

# MONTANA

**PUBLIC EMPLOYEES' RETIREMENT BOARD**  
**A COMPONENT UNIT OF THE STATE OF MONTANA**  
**COMPREHENSIVE ANNUAL FINANCIAL REPORT**  
**FOR THE FISCAL YEAR ENDED JUNE 30, 2023**

# ***STATE OF MONTANA***

## **Public Employees' Retirement Board** ***Component Unit of the State of Montana***

### **Annual Comprehensive Financial Report**

For the Fiscal Year Ended June 30, 2023



Prepared By:  
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# Table of Contents

## Introductory Section

Letter of Transmittal.....	5
Highlights .....	14
Public Employees' Retirement Board .....	16
Montana Public Employee Retirement Administration Organizational Chart.....	17
Professional Consultants .....	17

## Financial Section

Independent Auditor's Report.....	19
Management's Discussion & Analysis.....	23
Basic Financial Statements:	
<i>Statement of Fiduciary Net Position - Pension Trust Funds</i> .....	40
<i>(The notes to the financial statements are an integral part of this statement)</i>	
<i>Statement of Changes in Fiduciary Net Position - Pension Trust Funds</i> .....	42
<i>(The notes to the financial statements are an integral part of this statement)</i>	
<i>Notes to the Financial Statements</i> .....	44
Required Supplementary Information:	
Schedule of Changes in Multiple-Employer Plans Net Pension Liability/(Asset).....	100
Schedule of Changes in Single-Employer Plans Net Pension Liability/(Asset) .....	106
Schedule of Net Pension Liability/(Asset) for Multiple-Employer Plans .....	108
Schedule of Net Pension Liability/(Asset) for Single-Employer Plans .....	112
Schedule of Employer and Non-Employer (State) Contributions for Cost-Sharing Multiple-Employer Plans .....	114
Schedule of Employer Contributions for Single-Employer Plans .....	120
Notes to Required Supplementary Information (GASB No. 67) .....	122
Schedule of Investment Returns for Multiple-Employer Plans .....	124
Schedule of Investment Returns for Single-Employer Plans .....	125
Schedule of Total OPEB (Healthcare) Liability and Related Ratios, Last Ten Fiscal Years .....	126
Notes to Required Supplementary Information for OPEB (Healthcare).....	127
Notes to Required Supplementary Information (Funding) .....	128
Supporting Schedules:	
Schedule of Administrative Expenses .....	130
Schedule of Investment Expenses .....	131
Detail of Fiduciary Net Position (PERS-DBRP and PERS-DBEd) .....	132
Detail of Changes in Fiduciary Net Position (PERS-DBRP and PERS-DBEd) .....	133
Detail of Fiduciary Net Position (PERS-DCRP and PERS-DCEd) .....	134
Detail of Changes in Fiduciary Net Position (PERS-DCRP and PERS-DCEd) .....	135

# Table of Contents

## Investment Section

Board of Investments' Investment Letter .....	137
Report on Investment Activity .....	138
Total Rates of Annualized Returns by Asset Class .....	139
Fiscal Year 2023 Asset Allocations .....	143
Fiscal 2023 BOI Administrative Expenses, Fees, and Commissions .....	144
Schedule of Largest Holdings .....	145
Investment Summary .....	146

## Actuarial Section

Actuary's Certification .....	149
Summary of Actuarial Assumptions and Methods .....	154
Schedule of Active Member Valuation Data .....	160
Schedule of Active Member Composition .....	162
Schedule of Retiree Member Composition .....	163
Schedule of Beneficiary Member Composition .....	164
Schedule of Disabled Member Composition .....	165
Schedule of Converted Disabled Member Composition .....	166
Schedule of Retirees and Beneficiaries Added to and Removed from Rolls .....	168
Solvency Test .....	170
Schedule of Funding Progress .....	173
Summary of Actuarial (Gain)/Loss by Source .....	176

## Statistical Section

Summary of Statistical Data .....	179
Changes in Fiduciary Net Position, Last Ten Fiscal Years .....	180
History of Actuarial Liabilities .....	189
Schedule of Fair Values by Type of Investment, Last Ten Fiscal Years .....	192
Retirement Benefits Paid Out .....	200
Schedule of Contribution Rate History .....	201
History of Membership in Retirement Plans, Last Ten Fiscal Years .....	204
Schedule of Benefit Expenses and Refunds by Type, Last Ten Fiscal Years .....	206
Schedule of Distributions Processed, Last Ten Fiscal Years .....	210
Schedule of Retired Members by Type of Benefit .....	212
Average Benefit Payments, Last Ten Fiscal Years .....	218
Principal Participating Employers .....	228
Schedule of Participating Employers .....	231

### *Mission Statement of the PERB*

*The Montana Public Employees' Retirement Board, as fiduciaries, administers its retirement plans and trust funds, acting in the best interest of the members and beneficiaries.*

### *Mission Statement of the MPERA*

*The Montana Public Employee Retirement Administration efficiently provides quality benefits, education and service to help our plan members and beneficiaries realize a successful retirement.*

### VISION

To be the best through outstanding communication, education, customer service, and financial stability.

### VALUES

**Service** We strive to provide excellent service that is timely, accurate, thorough, and accessible. Members and employers should receive the best service possible.

**Integrity** We conduct business in an honest, ethical, and fair environment. We adhere to the highest standards of professional and ethical conduct.

**Respect** We acknowledge that our dedicated employees are essential to our success. We value the unique contributions of individuals and encourage mutual respect, civility, diversity, and personal development.

**Accountability** We take ownership and responsibility for our actions and their results. We are fiscally responsible and performance oriented.

**Innovation** We seek creative solutions to long-range situations and everyday issues. We are willing to embrace change and consider new ideas.

**Teamwork** We work together to achieve common goals. We are committed to sharing both risks and rewards; we value openness and flexibility.

### GOALS

Provide exceptional communication and education to our membership.

Utilize the most current technology effectively and efficiently to manage the MPERA.

Encourage teamwork and training to provide workflow continuity as staffing evolves.

Support the Montana State Legislature regarding laws impacting the MPERA and its members.

# **I N T R O D U C T O R Y S E C T I O N**

## MONTANA PUBLIC EMPLOYEE RETIREMENT ADMINISTRATION



GREG GIANFORTE  
GOVERNOR

DORE SCHWINDEN  
EXECUTIVE DIRECTOR

STATE OF MONTANA



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December 14, 2023

The Honorable Greg Gianforte  
Governor of Montana  
Room 204, State Capitol  
PO Box 200801  
Helena, MT 59620-0801

Dear Governor Gianforte:

The Public Employees' Retirement Board (PERB) and its staff, the Montana Public Employee Retirement Administration (MPERA), are pleased to submit this Annual Comprehensive Financial Report (ACFR) for the fiscal year ended June 30, 2023, in accordance with § 19-2-407, Montana Code Annotated. The purpose of this letter is to introduce the basic financial statements and provide an analytical overview of the trust funds' financial activities.

MPERA management uses a comprehensive framework of internal controls to ensure the accuracy, completeness, and fairness of all disclosures included in the presentation for which they are responsible. The cost of a control should not exceed the benefits to be derived, the objective is to provide reasonable, rather than absolute assurance, that the financial statements are free of any material misstatements. To the best of our knowledge and belief, the enclosed data is accurate in all material respects and is reported in a manner designed to present fairly the financial position and results of operations of the fiduciary funds administered by MPERA.

For financial reporting purposes, MPERA adheres to accounting principles generally accepted in the United States of America (U.S.). MPERA applies all applicable pronouncements of the Governmental Accounting Standards Board (GASB), including the Management's Discussion and Analysis (MD&A). Defined Benefit, Defined Contribution and Other Employee Benefit transactions are reported on the accrual basis of accounting. Investments are presented at fair value.

The external auditor conducted an independent audit of the basic financial statements in accordance with U.S. generally accepted auditing standards. This audit is described in the Independent Auditor's Report included in the Financial Section on page 19. Management provided the external auditors with full and unrestricted access to MPERA staff to facilitate independent validation of the integrity of the plans' financial reporting.

## INTRODUCTORY SECTION

The MD&A immediately follows the independent auditor's 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.

### Profile of the Public Employees' Retirement Board

The PERB is a fiduciary component unit Pension Trust Fund of the State of Montana financial reporting entity. For this reason, the financial statements contained in this report are also included in the State of Montana's ACFR. Fiduciary responsibility for the systems rests with the PERB, which consists of seven members, appointed by the Governor. The members are assigned five-year, staggered terms. They are required to approve a final budget before the beginning of the fiscal year. MPERA management develops the budget for all plans administered and presents it to the PERB. As governed by statute, the defined benefit administrative expenses may not exceed 1.5 percent of the total defined benefit plan retirement benefits paid. The defined contribution and the deferred compensation (457(b)) plan are also defined in statute and the funding is provided by the fees assessed on account balances.

The PERB oversees nine separate retirement plans, one Other Employee Benefit plan (457(b)), and one Other Post Employment Benefit (OPEB) plan:

- Public Employees' Retirement System - Defined Benefit Retirement Plan (PERS-DBRP) in its 78th year of operation
- Judges' Retirement System (JRS)
- Highway Patrol Officers' Retirement System (HPORS)
- Sheriffs' Retirement System (SRS)
- Game Wardens' and Peace Officers' Retirement System (GWPORS)
- Municipal Police Officers' Retirement System (MPORS)
- Firefighters' Unified Retirement System (FURS)
- Volunteer Firefighters' Compensation Act (VFCA)
- Public Employees' Retirement System-Defined Contribution Retirement Plan (PERS-DCRP)
- Deferred Compensation (457(b)) Plan (Other Employee Benefit plan)- may defer money into either a pre-tax account or an after-tax (Roth), or both.
- Public Employees' Retirement System - DCRP Disability OPEB (PERS-DCRP Disability OPEB is self-insured and provides a defined benefit disability payment for disabled members of the PERS-DCRP).

### Economic Condition and Outlook

#### Investments

The economic condition of the defined benefit plans is based primarily upon investment earnings. The plans are required by law to be maintained on an actuarially sound basis which protects participants' future benefits. A summary of the investment activity can be found in the *Investment Section* of this ACFR beginning on page 137.

<b>Annualized Time-Weighted Rates of Return (Net of Fees)</b>			
<b>Average of all Defined Benefit Plans</b>			
<b>1 Year</b>	<b>3 Year</b>	<b>5 Year</b>	<b>10 Year</b>
8.49%	9.86%	7.56%	8.17%

The investment portfolio mix at fair value under the CAPP as of June 30, 2023 for the PERS-DBRP:

<b>Domestic Equity</b>	<b>International Equity</b>	<b>Private Investments</b>	<b>Cash Equivalents (short-term)</b>	<b>Core and Non-Core Fixed Income</b>	<b>Real Estate</b>	<b>Real Assets</b>
28.42%	14.78%	17.34%	1.70%	19.60%	12.02%	6.14%

See MD&A, starting on page 23, and *Investment Section*, page 137, for more detailed analysis and information. The Plan’s investment outlook is long term, allowing the portfolio to take advantage of the favorable risk-return characteristics of domestic equities by placing more emphasis on this category.

**Funding**

The primary funding objectives of the PERB for the pension trust funds are to: 1) ensure that the systems are financially sound and pay all benefits promised using assets accumulated from required employer and member contributions and investment income; and 2) achieve a well-funded status with a range of safety to absorb market volatility without creating an Unfunded Actuarial Liability (UAL). PERB’s long-term goal is for all retirement systems to be 100% funded and up to 120% funded to allow a reserve in times of slow markets. The PERB’s short-term goal is to obtain actuarial soundness for the plans that do not amortize in 30 years or less.

The PERB has an annual actuarial valuation that calculates the funded status of each of the eight defined benefit plans and the PERS-DCRP Disability OPEB plan. The 2023 Valuation was performed by Cavanaugh Macdonald Consulting, LLC. They performed two valuations for the defined benefit plans. The actuarial funding valuation provides information that is used by the PERB to recommend funding increases or plan changes (i.e. contributions) or both to the Legislature to address financial sustainability. The contribution rates are statutorily set through the Legislature. The GASB 67/68 valuations provide the information for accounting purposes.

An experience study for the five-year period July 1, 2016 to June 30, 2021, was performed by Cavanaugh Macdonald Consulting, LLC and was presented to and approved by the PERB on May 12, 2022. The new assumptions were reflected in the June 30, 2022 actuarial valuations. The assumptions may be found in the *Actuarial Section* of this report beginning on page 150.

As of June 30, 2023, the Actuarial Funded Ratio of the defined benefit retirement systems is shown in the table on the next page, along with the GASB 67 accounting ratios. The Funded Ratio information also appears for the defined benefit retirement systems in the *Actuarial Section* of this report in the *Schedule of Funding Progress* on pages 174-175. The PERS-DCRP Disability OPEB *Schedule of Funding Progress* can be found on page 173. The accounting ratios for GASB 67 also

## INTRODUCTORY SECTION

appear in *Note A3* to the basic financial statements on page 47 and the required supplementary information in the *Financial Section* of this report.

(dollars in thousands)	Fiduciary Net Position	Valuation (Funding)	GASB 67 (Accounting)
		Funded Status	FNP as % of TPL
PERS-DBRP	\$ 6,920,861,726	74.77 %	73.93 %
JRS	\$ 130,857,089	181.03 %	178.92 %
HPORS	\$ 186,588,738	66.58 %	65.83 %
SRS	\$ 494,669,262	77.91 %	77.09 %
GWPORS	\$ 281,080,955	81.69 %	80.70 %
MPORS	\$ 585,859,582	72.65 %	71.65 %
FURS	\$ 643,702,271	82.12 %	81.00 %
VFCA	\$ 50,607,511	98.18 %	96.95 %
DC Disability OPEB	\$ 8,604,097	572.89 %	N/A

### 2023 Legislative Session

The 68th Session of the Montana Legislature adjourned Sine Die at Legislative Day 87 on May 2, 2023. During the 2023 Legislative Session, the PERB proposed a bill to generally revise retirement statutes and supported bills to address PERS, HPORS, SRS, and GWPORS funding concerns. This summary includes those bills and legislation proposed by others that impacted the retirement systems.

#### Generally Revise Laws on Administration of MPERA Systems (House Bill 74) –

House Bill 74, the PERB's general revisions bill, was signed by the Governor on May 4, 2023. Overall, this bill results from MPERA staff's biennial review of required legislative updates. House Bill 74 ushers into law provisions that:

- Clarify the PERB has the power to share limited information about an employee with an employer to benefit the administration of that member's retirement account;
- Amend existing statute to require the payment of a minor beneficiary's interest to a trust if a trust has been set up for the minor child for each defined benefit plan the Board administers;
- Eliminate the applicability of the PERB's compensation limit statute to part-time employees who retire;
- Exclude employer stipends for the purpose of facilitating work from home for employees as well as volunteer stipends paid to pure volunteers from the definition of "Compensation" in PERS;
- Clarify that pure volunteers and student interns are excluded from participation in PERS, however, for student interns who later become active members of the system, they are permitted to purchase PERS service credit for the periods of time in which they worked as a student intern;

- Provide for a streamlining of the account coordination process for members who transfer from the Teachers' Retirement System (TRS) to the Public Employees' Retirement System (PERS) and PERS to TRS;
- Clarify that the timeline for the filing of late amended annual certificates for purposes of VFCA member accreditation within the Volunteer Firefighters' Compensation Act (VFCA) is three (3) years from the original due date under statute;
- Allow for an immediate cancellation of a member's disability benefit upon agency notice that the member is no longer incapacitated and has returned to covered employment for all defined benefit systems;
- Revise the definition of "Sheriff" for purposes of participating in the Sheriffs' Retirement System (SRS). This amendment strikes the words "regularly acting" deputy sheriff and replaces it with the words "full time" deputy sheriff as regularly acting is not defined in the code and has caused confusion among various employers. This change aligns with Title 7 of the Montana Code at 7-32-202, MCA which prohibits reserve and auxiliary officers from participating in any retirement system for full-time law enforcement officers;
- Clarify that interest owed by a member for the purchase of previously refunded time will be calculated at the actuarially assumed rate of return for the system at redeposit beginning July 1, 2024.

**Provide Funding For Public Safety Systems (HB 119) –**

House Bill 119 passed second reading in the House on January 19, 2023. It was then re-referred to the House Appropriations Committee where it was heard and then tabled by the Committee on February 24, 2023. This bill would have increased the employer contribution rate in the Game Wardens' and Peace Officers' Retirement System (GWORS) to 10.56% and also provided for a one-time appropriation of general fund dollars to Sheriffs' Retirement System (SRS) of \$26.8 million, the Highway Patrol Officers' Retirement System (HPORS) of \$27.6 million, and GWORS of \$52.8 million.

**Generally Revise Pension Laws (HB 226) –**

House Bill 226's layered amortization provisions using closed amortization periods for legacy and contemporary unfunded liabilities for the PERS defined benefit system, as well the provisions creating a \$300 million Pension Special Trust Fund, were amended out of the bill in Senate Finance and Claims on April 27, 2023. Under these amendments and in lieu of these layered amortization provisions, a Special Select Committee on Public Employee Pensions was to be created consisting of four members of the House of Representatives, three of whom had to be appointed by the Speaker of the House and one of whom had to be appointed by the House Minority Leader as well as four members of the Senate, three of whom had to be appointed by the President of the Senate and one of whom had to be appointed by the Senate Minority Leader. The Committee was required to meet at least quarterly during each year of the interim and would have had the following objectives:

- assess the financial stability of Montana's Public Employee Retirement Systems;
- calculate the unfunded liability of the systems and the annual cost of the unfunded liability;
- formulate a plan to retire the unfunded liability, including freezing the growth of unfunded liability;
- review all funding structures, plan designs, and amortization policy options with a long-term goal of ensuring the financial soundness of the Public Employee Retirement Systems;

## INTRODUCTORY SECTION

- assess the benefits of the retirement systems and consider recommendations for changes for new employees;
- work with local and national retirement system officials with expertise in pension reform;
- prepare a report of findings and recommendations for submission to the 69<sup>th</sup> Legislature.

On May 1, 2023, the House voted 95-5 to not concur the above Senate amendments. A Free Conference Committee was then requested and convened to hear additional amendments to HB 226 on May 2, 2023. During this meeting of the Committee, the bill was further amended to increase the employer contribution rate in PERS to 9.29% in FY2024 and to 9.39% in FY2025. This contribution rate would have applied to the covered payroll of both the defined benefit and defined contribution plans with 7.9% of the employer rate transferred to a defined contribution member's account and the remainder going towards paying off the unfunded liability of the PERS Defined Benefit Plan. As a result of the Senate moving to Sine Die on May 2, 2023 before this Free Conference Committee Report could be adopted by the body, House Bill 226 died on May 2, 2023. After the Senate moved to Sine Die, the House then chose to pass consideration of the previous Senate amendments they had voted to not concur on May 1, 2023 resulting in all portions of the proposed bill failing to become law.

### **Generally Revise Public Investment laws (HB 228) –**

House Bill 228 amended investment requirements for the Montana Board of Investments (MBOI) related to public investments and requires MBOI to only take into account pecuniary factors when deciding where to invest pension plan funds and when voting shares held by the State. This bill codifies existing practices for the State's investment pools managed by MBOI. The bill passed the House on January 31, 2023 and the Senate on March 16, 2023 and the Governor signed this bill into law on April 19, 2023.

### **Generally Revise Pension Laws (HB 569) –**

House Bill 569 passed third Reading with Senate amendments concurred on May 2, 2023 and was signed into law by the Governor on May 22, 2023. Overall, the bill increases the employer contribution rate in the Game Wardens' and Peace Officers' Retirement System (GWPORS) to 10.56% for FY2024 and provides for a one-time appropriation of general fund dollars to the Sheriffs' Retirement System (SRS) of \$26.8 million, the Highway Patrol Officers' Retirement System (HPORS) of \$27.6 million, and Game Wardens' (GWPORS) of \$41.2 million. In addition, creates a layered amortization policy using closed amortization periods for legacy and contemporary unfunded liabilities in statute for the Judges' Retirement System (JRS) beginning in FY2024 and the SRS, GWPORS, and HPORS systems beginning in FY2025. Contemporary liabilities must be paid off using a closed amortization schedule of 25 years and any new contemporary liabilities accrued from year-to-year must be paid off using a closed amortization schedule of 10 years using an actuarially determined employer contribution (ADEC) rate calculated by the Board's actuary at each annual valuation. Further, any increase in ADEC rates within each of these systems is capped at 0.5% of the previous year's rate. Finally, the bill also changes the retirement eligibility criteria in HPORS and SRS from 20 years at any age to age 50 and 20 years for new hires entering each system on or after July 1, 2023.

### **Increase and Extend the PERS Supplemental Employer Contribution (SB 29) –**

Senate Bill 29 passed the Senate on January 24, 2023. It was then re-referred to the House Appropriations Committee where it was heard and then tabled by the Committee on April 13, 2023. Overall, the bill would have extended the PERS supplemental employer contribution by 0.1% for an additional 10 years beginning in FY2025.

### **Provide for Interim Study of PERS and TRS (SJ 4) –**

Senate Joint Resolution 4 passed the House as of February 6, 2023 and is a study bill that calls for the State Administration and Veteran's Affairs Interim Committee and the Legislative Finance Committee to form a joint committee to:

- study the financial stability of the Public Employees' Retirement System defined benefit plan and the Teachers' Retirement System;
- study the history of contributions from the general fund and other sources to the Public Employees' Retirement System defined benefit plan and the Teachers' Retirement System;
- investigate alternate approaches to funding and amortization policies and the actuarial impact of changes to the current plan policies;
- examine legislative education, oversight, and goals concerning the Public Employees' Retirement System defined benefit plan and the Teachers' Retirement System, including decision benchmarks or indicators for future action; and
- develop recommendations for a long-term strategic approach to funding the Public Employees' Retirement System defined benefit plan and the Teachers' Retirement System that will ensure the financial strength of the systems while also recognizing the responsibility placed on the taxpayers and citizens of this state.

This joint resolution will be priority ranked by the Legislature to determine whether or not resources will be allocated to it to allow for it to take place during the interim.

### **Add Benefit Policy Statement to Pension Systems (SB 18) –**

This bill was signed into law by the Governor on February 13, 2023 and codifies a benefit policy statement in each of the defined benefit plans the PERB administers that limits the ability of the Legislature to add additional benefits to a particular defined benefit system unless the system amortizes in 30 years or less and the additional benefit is projected to be fully funded in perpetuity. The bill codifies current PERB policy it has long adhered to.

## **Awards**

The Government Finance Officers Association of the United States and Canada (GFOA) awarded a Certificate of Achievement for Excellence in Financial Reporting to the Montana Public Employees' Retirement Board for its annual comprehensive financial report for the fiscal year ended June 30, 2022. This was the twenty-fifth consecutive year that the Montana Public Employees' Retirement Board has achieved this prestigious award. In order to be awarded a Certificate of Achievement, a government entity must publish an easily readable and efficiently organized annual comprehensive financial report. This report must satisfy both generally accepted accounting principles and applicable legal requirements. A Certificate of Achievement is valid for a period of one year only. We believe our current Annual Comprehensive Financial

## INTRODUCTORY SECTION

Report continues to meet the Certificate of Achievement Program's requirements and we are submitting it to the GFOA to determine its eligibility for another certificate.

In addition, MPERA was awarded the Public Pension Coordinating Council (PPCC) Public Pension Standards Award for 2023 in recognition of meeting the professional standards for plan administration set forth in the Public Pension Standards. This is the twenty-first year the PPCC is offering the PPCC Standards Award Program to public retirement systems and the eighteenth time MPERA has received the PPCC award. The Public Pension Standards are intended to reflect minimum expectations for public retirement system management and administration, as well as serve as a benchmark by which all defined benefit public plans should be measured.

### Acknowledgments

The compilation of this report reflects the effort of the MPERA Fiscal Services Bureau accounting staff. This report is intended to provide complete and reliable information to facilitate the management decision process, serve as a means of determining compliance with legal provisions, and to serve as a means of determining responsible stewardship of the plans' funds. MPERA received an unmodified opinion from our independent auditors on the financial statements included in this report. This opinion provides assurance that the financial statements can be relied upon.

We would like to take this opportunity to express our gratitude to the staff, the advisors, and the many people who have worked so diligently to assure the successful operation of the plans.

Respectfully submitted,

*/s/ Dore Schwinden*

Dore Schwinden, Executive Director  
Montana Public Employee  
Retirement Administration

*/s/ Maggie Peterson*

Maggie Peterson, President  
Montana Public Employees'  
Retirement Board



Government Finance Officers Association

Certificate of Achievement for Excellence in Financial Reporting

Presented to

Montana Public Employees' Retirement Board

For its Annual Comprehensive Financial Report For the Fiscal Year Ended

June 30, 2022

Christopher P. Morill Executive Director/CEO

AWARDS



Public Pension Coordinating Council

Recognition Award for Administration 2023

Presented to

Montana Public Employees' Retirement Administration

In recognition of meeting professional standards for plan 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. Winkler Program Administrator

## INTRODUCTORY SECTION

# Fiscal Year 2023 Highlights

<b>Membership</b> (Tables on Pages 73, 93 and 97)	<b>DB Plans</b>	<b>DC &amp; 457 Plans*</b>
Active Members	36,675	10,315
Inactive Vested Members	6,424	4,074
Inactive Non-vested Members	35,068	1,383
Service Retirement Members	29,766	224
Disability Retirement Members**	164	7
Survivor Benefits	655	3
<b>TOTAL</b>	<b>108,752</b>	<b>16,006</b>

\*The Inactive, Service, Disability, and Survivor are DC members, not 457 members, the PERB does not have that information.

\*\*The seven disability retirements in the DC and 457 Plans column are in the PERS-DCRP Disability OPEB Plan, which is a Defined Benefit Plan.

<b>Contributions</b>	<b>DB Plans</b>	<b>DC &amp; 457 Plans</b>
Employer	\$ 177,801,345	\$ 19,148,101
Plan Member (Employee)	\$ 152,747,632	\$ 43,953,538
State	\$ 1,402,108	\$ 121,009
Interest Reserve Buyback (Interest on Service Purchases)	\$ 264,959	
Retirement Incentive Program	\$ 455	
State Appropriation	\$ 81,167,619	
Non-vested Member Forfeitures (PERS-DCRP)		\$ 1,409,309
Miscellaneous Revenue	\$ 162,974	\$ 447,488
<b>TOTAL</b>	<b>\$ 413,547,092</b>	<b>\$ 65,079,445</b>

<b>Distributions</b>	<b>DB Plans</b>	<b>DC &amp; 457 Plans</b>
Benefits Paid (Includes \$90,699 DCRP Disability OPEB Plan)	\$ 669,359,442	
Refunds Paid (DB Plans) / Distributions Paid (DC & 457 Plans)	\$ 21,545,419	\$ 66,960,328

<b>Investments</b>	<b>DB Plans</b>	<b>DC &amp; 457 Plans</b>
Net Investment and Securities Lending Income	\$ 733,213,295	\$ 100,384,501
Investment Rate of Return (12-month period) <sup>1</sup>	8.49%	

<sup>1</sup>Actuarial investment rate of return is 7.30%

<b>Financial</b> (Note A3. Net Pension Liability of Employers, page 47)	<b>PERS-DBRP</b>	<b>All DB Plans</b>
Total Pension Liability	\$ 9,361,215,642	\$ 12,372,331,683
Fiduciary Net Position	\$ 6,920,861,726	\$ 9,294,227,134
Net Pension Liability	\$ 2,440,353,916	\$ 3,078,104,549
Ratio of Fiduciary Net Position to Total Pension Liability	73.93%	75.12%

<b>Funding</b> (Schedule of Funding Progress, pages 174 & 175)	<b>PERS-DBRP</b>	<b>All DB Plans</b>
Actuarial Value of Assets	\$ 6,999,338,415	\$ 9,403,042,045
Actuarial Accrued Liability (AAL)	\$ 9,361,215,642	\$ 12,372,624,355
Unfunded AAL (UAAL)	\$ 2,361,877,227	\$ 2,969,582,310
Ratio of Actuarial Assets to Actuarial Liabilities	74.77%	76.00%

## 2023 Operational Highlights

- Processed 1,652 new retirement applications
- Processed 1,869 refund applications
- Performed 110 virtual or in person education seminars to 2,038 members

## History of Actuarial Investment Rate of Return

July 1, 1964 through June 30, 1966	4.00 %
July 1, 1967 through June 30, 1968	4.50 %
July 1, 1969 through June 30, 1976	5.50 %
July 1, 1976 through June 30, 1982	7.00 %
July 1, 1982 through June 30, 1988	8.00 %
July 1, 1988 through June 30, 1993 Experience Study (1994)	8.00 %
July 1, 1993 through June 30, 1999 Experience Study (2000 valuations)	8.00 %
July 1, 1999 through June 30, 2003 Experience Study (2003)	8.00 %
July 1, 2003 through June 30, 2009 Experience Study (2010 valuations)	7.75 %
July 1, 2009 through June 30, 2016 Experience Study (2017 valuations)	7.65 %
July 1, 2016 through June 30, 2021 Experience Study (2022 valuations)	7.30 %

## History of Funded Ratios

Actuarial Valuation Date	PERS-DBRP	JRS	HPORS	SRS	GWPORS	MPORS	FURS	VFCA	DC Disability OPEB
6/30/2023	74.77%	181.03%	66.58%	77.91%	81.69%	72.65%	82.12%	98.18%	572.89%
6/30/2022	75.01%	173.90%	65.64%	78.64%	83.02%	71.26%	80.63%	91.40%	445.95%
6/30/2021	76.34%	176.55%	66.67%	83.40%	85.06%	74.31%	85.97%	99.98%	134.85%
6/30/2020	74.08%	162.86%	64.52%	81.24%	83.83%	70.76%	81.53%	87.15%	110.59%
6/30/2019	74.19%	161.23%	64.55%	81.56%	84.24%	69.23%	79.97%	84.76%	104.93%
6/30/2018	73.81%	161.29%	64.03%	81.04%	82.95%	67.69%	78.27%	82.76%	102.32%
6/30/2017	72.76%	167.06%	64.35%	80.74%	81.01%	68.66%	76.13%	80.56%	87.14%
6/30/2016	77.31%	166.48%	65.84%	83.21%	84.06%	68.79%	78.27%	80.21%	86.83%
6/30/2015	76.14%	163.65%	65.12%	82.62%	84.41%	65.98%	75.51%	75.38%	85.97%
6/30/2014	74.40%	155.07%	63.92%	81.25%	83.72%	62.98%	71.82%	82.37%	
6/30/2013	80.22%	142.82%	60.22%	77.36%	80.08%	58.37%	66.41%	74.79%	80.44%
6/30/2012	67.42%	136.81%	57.59%	74.34%	75.77%	54.77%	61.80%	73.40%	
6/30/2011	70.25%	141.13%	61.17%	76.43%	75.44%	55.23%	61.93%	74.39%	
6/30/2010	74.21%	144.13%	64.30%	81.36%	74.79%	57.19%	63.72%	77.01%	
6/30/2009	83.50%	147.98%	72.31%	89.64%	88.09%	62.08%	68.50%	81.16%	
6/30/2008	90.25%	157.32%	75.36%	97.51%	92.88%	64.82%	71.77%	84.14%	
6/30/2007	91.05%	156.74%	74.63%	97.28%	94.20%	63.88%	69.99%	81.84%	
6/30/2006	88.26%	139.42%	77.85%	94.86%	91.63%	60.43%	65.49%	72.89%	
6/30/2005	85.46%	137.73%	72.65%	93.17%	90.33%	57.68%	63.57%	69.25%	
6/30/2004	86.72%	129.98%	76.01%	94.90%	89.86%	57.48%	62.44%	69.94%	

## **Public Employees' Retirement Board**

*A Component Unit of the State of Montana  
as of June 30, 2023*



Left to right: Dave Galt, Rich Hickel, Sonja Woods, Maggie Peterson, Terry Halpin, Doug Kary, and Jason Strouf

**Maggie Peterson, President**

Anaconda, Experience in Investment Management  
PERS Board Representative - BOI since 5/31/2017  
Email: Maggie.Peterson@mt.gov

**Richard Hickel, Vice President**

Kalispell  
Member at Large  
Email: Richard.Hickel@mt.gov

**Doug Kary**

Billings  
Member at Large  
Email: Doug.Kary@mt.gov

**Terry Halpin**

Billings  
Active Public Employee  
Email: Terry.Halpin@mt.gov

**Dave Galt**

Helena  
Retired Public Employee  
Email: Dave.Galt@mt.gov

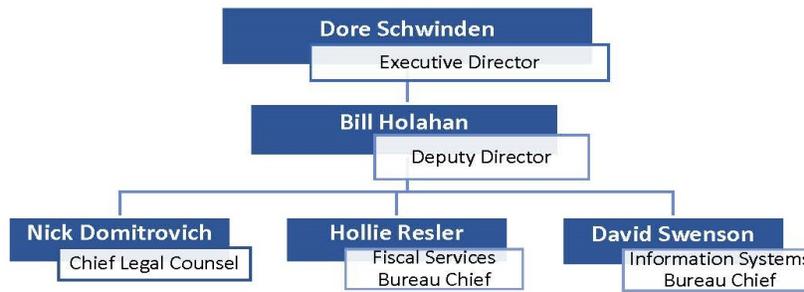
**Sonja Woods**

Miles City  
Active DC Plan Member  
Email: SonjaWoods@mt.gov

**Jason Strouf**

Miles City  
Active Public Employee  
Email: Jason.Strouf@mt.gov

*MPERA Management Staff as of June 30, 2022*



*Principal Professional Consultants*

**Cavanaugh Macdonald Consulting, LLC**  
 Consulting Actuary  
 3550 Busbee Pky, Ste 250  
 Kennesaw, GA 30144

**IceMiller**  
 Legal Tax Consultants  
 One American Square, Ste 2900  
 Indianapolis, IN 46282-0200

**RVK, Inc.**  
 Defined Contribution Investment Consultants  
 1211 SW 5th Avenue, Suite 900  
 Portland, OR 97204-3709

**Pension Benefit Information, LLC**  
 Death Validation Services  
 333 S 7th St, Ste 300  
 Minneapolis, MN 55402

**Sagitec Solutions, LLC**  
 Pension Systems Design  
 422 County Road D East  
 Saint Paul, MN 55117

**Faure Holden Attorney's at Law, P.C.**  
 Legal Services  
 1314 Central Avenue, PO Box 2466  
 Great Falls, MT 59403-2466

**Eide Bailly, LLP**  
 CPAs & Business Advisors  
 877 W. Main St., Ste. 800  
 Boise, ID 83702-5858

**MMRO - CoreVisory**  
 Disability Review Consultants  
 44090 W 12 Mile Road  
 Novi, MI 48377

**State of Montana  
 Legislative Audit Division**  
 Auditors  
 Room 160, State Capitol Building  
 Helena, MT 59620-1705

**Montana Board of Investments<sup>1</sup>**  
 Defined Benefit Plan and Defined Contribution Disability  
 OPEB Plan Investment Management  
 2401 Colonial Drive, 3rd Floor  
 Helena, MT 59620-0126

<sup>1</sup>The Defined Benefit Plans' *Schedule of Fees and Commissions* may be found in the *Investment Section* on page 144.

*Third Party Administrators (Defined Contribution and 457 Plans)<sup>1</sup>*

**Pacific Investment Management Company, LLC  
 (PIMCO)**  
 Newport Beach, CA

**State Street Bank and Trust Company**  
 Kansas City, MO

**Transamerica Premier  
 Life Insurance Company**  
 (Guaranteed Interest Contract (GIC) provider)  
 Baltimore, Maryland

**Prudential Insurance Company of America**  
 (Guaranteed Interest Contract (GIC) provider)  
 Newark, NJ

**Voya Retirement Insurance  
 & Annuity Company**  
 (Guaranteed Interest Contract (GIC) provider) Windsor,  
 CT

**Empower Retirement**  
 Defined Contribution & Deferred Compensation  
 Recordkeeper  
 Greenwood Village, CO

<sup>1</sup>More information on the Third Party Administrators may be found in Note A5. on pages 55 to 66, and on pages 96 to 99 of the *Financial Section*.

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**F I N A N C I A L  
S E C T I O N**

## LEGISLATIVE AUDIT DIVISION

Angus Maciver, Legislative Auditor  
Kenneth E. Varns, Legal Counsel



Deputy Legislative Auditors:  
Cindy Jorgenson  
William Soller  
Miki Cestnik

### INDEPENDENT AUDITOR'S REPORT

The Legislative Audit Committee  
of the Montana State Legislature:

#### **REPORT ON THE AUDIT OF FINANCIAL STATEMENTS**

##### *Opinion*

We have audited the financial statements of the Public Employees' Retirement Board, a fiduciary component unit of the state of Montana, which are comprised of the Statement of Fiduciary Net Position – Pension (And Other Employee Benefit) Trust Funds as of June 30, 2023, and the related Statement of Changes in Fiduciary Net Position – Pension (And Other Employee Benefit) Trust Funds for the fiscal year then ended, and the related notes to the financial statements.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Public Employees' Retirement Board (board) as of June 30, 2023, and the changes in net position for the fiscal year then ended in conformity with accounting principles generally accepted in the United States of America.

##### *Basis for Opinion*

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the board and to meet our other ethical responsibilities, in accordance with relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

##### *Responsibilities of Management for the Financial Statements*

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

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the board's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

### *Auditor's Responsibilities for the Audit of the Financial Statements*

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS and *Government Auditing Standards*, we:

- ◆ Exercise professional judgment and maintain professional skepticism throughout the audit.
- ◆ Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- ◆ Obtain an understanding of internal control relevant to the audit 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 board's internal control. Accordingly, no such opinion is expressed.
- ◆ Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- ◆ Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the board's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

### *Required Supplementary Information*

Accounting principles generally accepted in the United States of America require that the following required supplementary information be presented to supplement the basic financial statements:

- ◆ Management's Discussion and Analysis
- ◆ Schedule of Changes of Multiple-Employer Plans Net Pension Liability/(Asset)
- ◆ Schedule of Changes in Single Employer Plans Net Pension Liability/(Asset)
- ◆ Schedule of Net Pension Liability/(Asset) for Multiple-Employer Plans
- ◆ Schedule of Net Pension Liability/(Asset) for Single-Employer Plans
- ◆ Schedule of Employer and Non-Employer (State) Contributions for Cost-Sharing Multiple-Employer Plans

- ◆ Schedule of Employer Contributions for Single-Employer Plans
- ◆ Schedule of Investment Returns for Multiple-Employer Plans
- ◆ Schedule of Investment Returns for Single-Employer Plans
- ◆ Schedule of Total OPEB (Healthcare) Liability and Related Ratios, Last Ten Fiscal Years
- ◆ Related Notes

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

***Supplementary Information***

Our audit was conducted for the purpose of forming an opinion on the basic financial statements as a whole. The following supplementary information is presented for purposes of additional analysis and is not a required part of the financial statements:

- ◆ Schedule of Administrative Expenses
- ◆ Schedule of Investment Expenses
- ◆ Detail of Fiduciary Net Position (PERS-DBRP and PERS-DBEd)
- ◆ Detail of Changes in Fiduciary Net Position (PERS-DBRP and PERS-DBEd)
- ◆ Detail of Fiduciary Net Position (PERS-DCRP and PERS-DCEd)
- ◆ Detail of Changes in Fiduciary Net Position (PERS-DCRP and PERS-DCEd)

Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

***Other Information***

Our audit was conducted for the purpose of forming an opinion on the basic financial statements as a whole. The Introductory, Investment, Actuarial, and Statistical sections were presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information has

not been subjected to auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

In connection with our audit of the financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the financial statements, or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

#### **REPORT ON OTHER LEGAL AND REGULATORY REQUIREMENTS**

##### ***Other Reporting Required by Government Auditing Standards***

In accordance with *Government Auditing Standards*, we have also issued our report dated December 14, 2023, on our consideration of the board's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely 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* in considering the board's internal control over financial reporting and compliance. It is included in the Legislative Auditor's separately issued report (23-08).

Respectfully submitted,

*/s/ Cindy Jorgenson*

Cindy Jorgenson, CPA  
Deputy Legislative Auditor  
Helena, MT

December 14, 2023

# Public Employees’ Retirement Board

## *A Component Unit of the State of Montana*

### Management’s Discussion and Analysis

*This section presents management’s discussion and analysis of the Montana Public Employees’ Retirement Board’s (PERB) financial presentation and performance of the plans administered by the PERB for the fiscal year ending June 30, 2023. It is presented as a narrative overview and analysis and should be read in conjunction with the Letter of Transmittal included in the Introductory Section, the financial statements and other information presented in the Financial Section of this Component Unit Financial Report. Throughout this discussion and analysis, the units of measure (i.e., thousands) are approximate, being rounded up or down to the nearest tenth of the respective unit value.*

### *Financial Highlights*

<b>Summary Statement of Fiduciary Net Position - ALL PERB Pension Plans</b>						
(in thousands)	Defined Benefit Total		Percent Change	Defined Contribution Total		Percent Change
	2023	2022		2023	2022	
Total Assets	\$ 9,403,438	\$8,953,129	5.0 %	\$ 426,974	\$ 364,696	17.1 %
Deferred Outflow of Resources	318	339	(6.2) %	25	33	(24.2) %
Total Liabilities	99,861	96,436	3.6 %	645	677	(4.7) %
Deferred Inflow of Resources	424	156	171.8 %	33	15	120.0 %
<b>Total Fiduciary Net Position Restricted</b>	<b>\$ 9,303,471</b>	<b>\$ 8,856,876</b>	<b>5.0 %</b>	<b>\$ 426,321</b>	<b>\$ 364,037</b>	<b>17.1 %</b>

The Public Employees' Retirement Board's (PERB's) defined benefit plans combined total fiduciary net position increase of \$446.6 million in fiscal year 2023 was primarily attributed to an increase in the value of the investments of \$438.2 million.

The PERB's defined contribution plan combined total fiduciary net position increase of \$62.3 million in fiscal year 2023 was primarily attributed to the increase in the value of the investments of \$61.3 million. Investments in members' defined contribution assets are self-directed, as participants direct their investment allocation to the various investment options. Therefore, the impact to net investment earnings is a result of the members' investment choices with varying degrees of risk and return potential and the change in the investment values due to investment performance.

## FINANCIAL SECTION

### Summary Statement of Changes in Fiduciary Net Position - ALL PERB Pension Plans

(in thousands)	Defined Benefit Total		Percent Change	Defined Contribution Total		Percent Change
	2023	2022		2023	2022	
<b>Additions (by major source)</b>						
Contributions	\$ 413,547	\$ 386,236	7.1 %	\$ 38,814	\$ 37,546	3.4 %
Net Investment Earnings	733,213	(394,558)	285.8 %	46,628	(65,841)	170.8 %
<b>Total Additions</b>	<b>1,146,760</b>	<b>(8,322)</b>	<b>13879.9 %</b>	<b>85,442</b>	<b>(28,295)</b>	<b>402.0 %</b>
<b>Deductions (by type)</b>						
Benefits, Refunds and Transfers	693,817	653,926	6.1 %	22,208	19,635	13.1 %
Administrative Expenses and Other Expenses	7,492	6,885	8.8 %	950	985	(3.6) %
<b>Total Deductions</b>	<b>701,309</b>	<b>660,811</b>	<b>6.1 %</b>	<b>23,158</b>	<b>20,620</b>	<b>12.3 %</b>
<b>Increase / (Decrease) in Net Position</b>	<b>445,451</b>	<b>(669,133)</b>	<b>166.6 %</b>	<b>62,284</b>	<b>(48,915)</b>	<b>227.3 %</b>
<b>Beginning of Year Net Position</b>	<b>\$ 8,856,876</b>	<b>\$ 9,526,012</b>	<b>(7.0)%</b>	<b>\$ 364,037</b>	<b>\$ 412,952</b>	<b>(11.8)%</b>
<b>Prior Period Adjustments</b>	<b>1,144</b>	<b>(3)</b>	<b>38233.3 %</b>			
<b>End of Year Net Position</b>	<b>\$ 9,303,471</b>	<b>\$ 8,856,876</b>	<b>5.0 %</b>	<b>\$ 426,321</b>	<b>\$ 364,037</b>	<b>17.1 %</b>

The defined benefit plans combined revenues (additions to the plan net position) and expenses (deductions to plan net position) for fiscal year 2023 increased the net position \$1.11 billion, which can be primarily attributed to an increase in investment earnings of \$1.13 billion.

In analyzing the administrative expenses for all defined benefit systems, overall, the administrative expenses had an increase of \$692.9 thousand or an 11% increase. Of that increase \$569.2 thousand or 82% was personnel services for hiring of previously vacant positions. Further information on administrative expenses of the Plans may be found in the supplementary information schedules on page 130.

The defined contribution plan combined revenues and expenses for fiscal year 2023 increased the net position \$111.2 million, also primarily attributed to an increase in investment earnings of \$112.5 million.

As explained in further detail in *Note A1*, prior period adjustments were made during this fiscal year as a result of employer audits of payroll. The aggregated adjustments were \$1.1 million.

Governmental Accounting Standards Board (GASB) Statement No. 96, *Subscription-Based Information Technology Arrangements (SBITAs)*, as amended, took effect during the fiscal year ending June 30, 2023. No balance adjustments were required due to PERB's software arrangements being classified as either short-term or perpetually licensed per GASB standards and are under the State of Montana's \$100,000 threshold.

## *Financial Analysis of the Systems – Defined Benefit Plans*

### **Investments**

The State of Montana Board of Investments (BOI), as authorized by state law, invests the defined benefit plans' assets in the *Consolidated Asset Pension Pool (CAPP)* and the *Montana Short-Term Investment Pool (STIP)*. Each plan owns an equity position in the pools and receives proportionate investment income from the pools in accordance with respective ownership. Each plan's allocated share of the investment in the pool is shown in the *Statement of Fiduciary Net Position* of the plan. Investment gains and losses are reported in the *Statement of Changes in Fiduciary Net Position*.

### **Investment Performance**

As reported by the Montana Board of Investments (BOI) Chief Investment Officer Jon Putnam, the Public Employees' Retirement System (PERS) realized an 8.50% net return during the 2023 fiscal year. Net return performance for PERS since inception was 7.71% annualized. Returns over longer time frames compare favorably with the public fund, peer universe with 10-year returns ranked in the top decile. More importantly, long-term returns exceed the current PERS actuarial return rate of 7.30%. Similar returns were realized for all other MPERA retirement systems.

Returns across asset classes were mixed in fiscal year 2023. Some asset classes enjoyed strong returns as economic growth exceeded expectations. Conversely, a few suffered as global central banks raised interest rates to reduce inflation. Domestic Equity (18.87%), International Equity (12.48%), Real Assets (12.20%), Non-Core Fixed Income (8.03%), Cash (4.96%), and Private Investments (2.83%) posted positive returns. Real Estate (-2.10%) and Core Fixed Income (-0.83%) posted negative returns.

The asset allocation approved by the Montana Board of Investments (BOI) is designed to achieve the pension funds strategic objectives while minimizing risk. It provides a framework to capture gains over the long-term while protecting against unmanageable losses during periodic economic declines.

Going forward, the market faces multiple obstacles including rising geopolitical tensions, higher interest rates, demographic shifts, and slower global growth projections. Market uncertainty is elevated, thus making prudent diversification a critical pillar of the portfolio.

BOI continues to pursue attractive investment opportunities. We expect periods of extreme market volatility and continually mitigate risks to meet the liquidity needs of the pension plans. BOI believes that disciplined execution of our investment process will help us achieve the long-term objectives of the pension plans.

## *Analysis of the Individual Defined Benefit Plans*

In analyzing the Summary Statements for the individual Defined Benefit Plans, the following PERB expectations are used based on historical data.

- Contributions to increase by 3.5% based on increasing membership and potential pay increases.

## FINANCIAL SECTION

- Benefits to increase by 7% based on an increase in benefit recipients and the increase in the average recipient's benefit resulting from the guaranteed annual benefit adjustment (GABA) or the minimum benefit adjustment for non-GABA recipients.
- Administrative expenses to increase by 4%.
- Actuarial rate of return on investments of 7.30%.

### PERS-Defined Benefit Retirement Plan (PERS-DBRP) and Education

The PERS-DBRP fiduciary net position restricted for pension benefits as of June 30, 2023, the largest PERB defined benefit retirement fund, increased \$271.7 million from the prior fiscal year, a result of strong investment returns. Below is an individual analysis of significant changes to the PERS-DBRP:

<b>Summary of Fiduciary Net Position - PERS-DBRP</b>			
(dollars in thousands)	<u>2023</u>	<u>2022</u>	<u>% Change</u>
<b>Total Assets</b>	<b>\$ 6,996,405</b>	<b>\$ 6,722,511</b>	<b>4.1 %</b>
Deferred Outflow of Resources	318	339	(6.2)%
<b>Total Liabilities</b>	<b>74,797</b>	<b>72,874</b>	<b>2.6 %</b>
Deferred Inflow of Resources	424	156	171.8 %
<b>Total Net Position - restricted for pension benefits</b>	<b>\$ 6,921,502</b>	<b>\$ 6,649,820</b>	<b>4.1 %</b>

<b>Summary of Changes in Fiduciary Net Position - PERS-DBRP</b>			
(dollars in thousands)	<u>2023</u>	<u>2022</u>	<u>% Change</u>
<b>Additions (by major source)</b>			
Contributions	\$ 287,834	\$ 267,426	7.6 %
Investment Earnings	549,340	(295,900)	285.7 %
<b>Total Additions</b>	<b>837,174</b>	<b>(28,474)</b>	<b>3,040.1 %</b>
<b>Deductions (by type)</b>			
Benefits, Refunds and Transfers	559,398	527,386	6.1 %
Administrative Expenses and Other Expenses	6,246	5,709	9.4 %
<b>Total Deductions</b>	<b>565,644</b>	<b>533,095</b>	<b>6.1 %</b>
<b>Increase/(Decrease) in Net Position</b>	<b>\$ 271,530</b>	<b>\$ (561,569)</b>	<b>148.4 %</b>
<b>Beginning of Year Net Position</b>	<b>\$ 6,649,820</b>	<b>\$ 7,211,389</b>	<b>(7.8)%</b>
<b>Prior Period Adjustment</b>	<b>152</b>		
<b>End of Year Net Position</b>	<b>\$ 6,921,502</b>	<b>\$ 6,649,820</b>	<b>4.1 %</b>

- Contributions are anticipated to grow by 3.5% yearly per our actuarial assumption as a result of raises members receive, the increase in contributions in the current fiscal year was 7.6%. In addition to the anticipated yearly increase, there was an increase of 1,114, or 3.9%, of active members in the plan.
- For investment earnings refer to page 25 for discussion on the *Investment Performance* for fiscal year 2023.

**PERS-Defined Contribution Retirement Plan (PERS-DBRP) DISABILITY OPEB**

The DCRP Disability OPEB net position restricted for pension benefits as of June 30, 2023 increased from the prior fiscal year by \$1.4 million, a result of strong investment returns. Below is an individual analysis of the PERS-DCRP Disability OPEB:

<b>Summary of Fiduciary Net Position - DCRP Disability OPEB</b>			
(dollars in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Total Assets</b>	\$ 8,604	\$ 7,181	19.8 %
<b>Total Liabilities</b>			
<b>Total Net Position - restricted for pension benefits</b>	\$ 8,604	\$ 7,181	19.8 %

<b>Summary of Changes in Fiduciary Net Position - DCRP Disability OPEB</b>			
(dollars in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Additions (by major source):</b>			
Contributions	\$ 650	\$ 607	7.1 %
Investment Earnings	864	(1,090)	179.3 %
<b>Total Additions</b>	<b>1,514</b>	<b>(483)</b>	<b>413.5 %</b>
<b>Deductions (by type):</b>			
Benefits, Refunds and Transfers	91	129	(29.5)%
<b>Total Deductions</b>	<b>91</b>	<b>129</b>	<b>(29.5)%</b>
<b>Increase/(Decrease) in Net Position</b>	<b>1,423</b>	<b>\$ (612)</b>	<b>332.5 %</b>
<b>Beginning of Year Net Position</b>	<b>\$ 7,181</b>	<b>\$ 7,793</b>	<b>(7.9)%</b>
<b>End of Year Net Position</b>	<b>\$ 8,604</b>	<b>\$ 7,181</b>	<b>19.8 %</b>

- The employer contributions are 0.30% of the member's contributions, therefore, the increase is attributed to an increase of 20 active members contributing, as well as member salary increases.
- The plan's total net investment earnings increased from the prior fiscal year by 179.3%. The growth is because of strong returns as economic growth exceeded expectations.
- Benefits declined from the prior fiscal year, due to three members out of ten, or 30.0%, decrease in benefit recipients, a result of either death or conversion to a normal retirement.

**Judges Retirement System (JRS)**

The JRS net position restricted for pension benefits as of June 30, 2023, increased \$6.5 million from the prior fiscal year, a result of strong investment returns. Below is an individual analysis of the JRS:

<b>Summary of Fiduciary Net Position - JRS</b>			
(dollars in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Total Assets</b>	\$ 132,200	\$ 125,641	5.2 %
<b>Total Liabilities</b>	1,343	1,283	4.7 %
<b>Total Net Position - restricted for pension benefits</b>	\$ 130,857	\$ 124,358	5.2 %

## FINANCIAL SECTION

<b>Summary of Changes in Fiduciary Net Position - JRS</b>			
(dollars in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Additions (by major source):</b>			
Contributions	\$ 648	\$ 708	(8.5)%
Investment Earnings	10,331	(5,547)	286.2 %
<b>Total Additions</b>	<b>10,979</b>	<b>(4,839)</b>	<b>326.9 %</b>
<b>Deductions (by type):</b>			
Benefits, Refunds and Transfers	4,427	4,357	1.6 %
Administrative Expenses and Other Expenses	53	56	(5.4)%
<b>Total Deductions</b>	<b>4,480</b>	<b>4,413</b>	<b>1.5 %</b>
<b>Increase/(Decrease) in Net Position</b>	<b>\$ 6,499</b>	<b>\$ (9,252)</b>	<b>170.2 %</b>
<b>Beginning of Year Net Position</b>	<b>\$ 124,358</b>	<b>\$ 133,610</b>	<b>(6.9)%</b>
<b>End of Year Net Position</b>	<b>\$ 130,857</b>	<b>\$ 124,358</b>	<b>5.2 %</b>

- Contributions decreased from the prior fiscal year by \$60.3 thousand. The decrease is due to the temporary suspension of the employer contributions for the last two fiscal years 2022 and 2023. This suspension of employer contributions will continue into the present fiscal year 2024. After July 1, 2024, the employer contribution will be actuarially determined.

### Highway Patrol Officers' Retirement System (HPORS)

The HPORS net position restricted for pension benefits as of June 30, 2023, increased \$10.6 million from the prior fiscal year, a result of strong investment returns. Below is an individual analysis of the HPORS:

<b>Summary of Fiduciary Net Position - HPORS</b>			
(dollars in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Total Assets</b>	<b>\$ 188,542</b>	<b>\$ 177,792</b>	<b>6.0 %</b>
<b>Total Liabilities</b>	<b>1,954</b>	<b>1,852</b>	<b>5.5 %</b>
<b>Total Net Position - restricted for pension benefits</b>	<b>\$ 186,588</b>	<b>\$ 175,940</b>	<b>6.1 %</b>

<b>Summary of Changes in Fiduciary Net Position - HPORS</b>			
(dollars in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Additions (by major source):</b>			
Contributions	\$ 11,491	\$ 13,137	(12.5)%
Investment Earnings	14,637	(7,841)	286.7 %
<b>Total Additions</b>	<b>26,128</b>	<b>5,296</b>	<b>393.4 %</b>
<b>Deductions (by type):</b>			
Benefits, Refunds and Transfers	15,401	15,258	0.9 %
Administrative Expenses and Other Expenses	79	77	2.6 %
<b>Total Deductions</b>	<b>15,480</b>	<b>15,335</b>	<b>0.9 %</b>
<b>Increase/(Decrease) in Net Position</b>	<b>\$ 10,648</b>	<b>\$ (10,039)</b>	<b>206.1 %</b>
<b>Beginning of Year Net Position</b>	<b>\$ 175,940</b>	<b>\$ 185,979</b>	<b>(5.4)%</b>
<b>End of Year Net Position</b>	<b>\$ 186,588</b>	<b>\$ 175,940</b>	<b>6.1 %</b>

- The decrease in contributions is due to a decline of 17 active members contributing to the plan. The statutorily appropriated contribution from the HPORS retention fund received for fiscal year 2023 was \$2.0 million, a decrease of \$2.0 million from the prior fiscal year of \$4.0 million. This is recorded as *State Appropriations* on the financial statements.
- For investment earnings refer to page 25 for discussion on the *Investment Performance* for fiscal year 2023.
- A decrease in refunds of \$730.5 thousand is a result of refunds being processed for smaller dollar amounts.
- The decrease in refunds was offset by an increase in benefits of \$873.1 thousand because of a 3.6% increase in benefit recipients.

**Sheriffs' Retirement System (SRS)**

The SRS net position restricted for pension benefits as of June 30, 2023, increased \$34.5 million from the prior fiscal year, a result of strong investment returns. Below is an individual analysis of the SRS:

<b>Summary of Fiduciary Net Position - SRS</b>			
(dollars in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Total Assets</b>	\$ 500,014	\$ 465,243	7.5 %
<b>Total Liabilities</b>	5,345	5,048	5.9 %
<b>Total Net Position-restricted for pension benefits</b>	\$ 494,669	\$ 460,195	7.5 %

<b>Summary of Changes in Fiduciary Net Position - SRS</b>			
(dollars in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Additions (by major source):</b>			
Contributions	\$ 24,669	\$ 23,404	5.4 %
Investment Earnings	38,824	(20,641)	288.1 %
<b>Total Additions</b>	<b>63,493</b>	<b>2,763</b>	<b>2,198.0 %</b>
<b>Deductions (by type):</b>			
Benefits, Refunds and Transfers	29,375	27,040	8.6 %
Administrative Expenses and Other Expenses	266	239	11.3 %
<b>Total Deductions</b>	<b>29,641</b>	<b>27,279</b>	<b>8.7 %</b>
<b>Increase/(Decrease) in Net Position</b>	<b>\$ 33,852</b>	<b>\$ (24,516)</b>	<b>238.1 %</b>
<b>Beginning of Year Net Position</b>	<b>\$ 460,195</b>	<b>\$ 484,711</b>	<b>(5.1)%</b>
<b>Prior Period Adjustment</b>	622		
<b>End of Year Net Position</b>	<b>\$ 494,669</b>	<b>\$ 460,195</b>	<b>7.5 %</b>

- The \$1.3 million increase in contributions from the prior fiscal year, is attributed to an increase of 62 active members contributing to the plan.
- For investment earnings refer to page 25 for discussion on the *Investment Performance* for fiscal year 2023.
- The \$2.3 million increase in benefits from the prior fiscal year is due to an increase in benefit recipients receiving benefits, in addition to increase in the average recipient's benefit resulting from the guaranteed annual benefit adjustment (GABA).

## FINANCIAL SECTION

### Game Wardens' and Peace Officers' Retirement System (GWPORS)

The GWPORS net position restricted for pension benefits as of June 30, 2023, increased \$20.6 million from the prior fiscal year because of strong investment returns. Below is an individual analysis of the GWPORS:

<b>Summary of Fiduciary Net Position - GWPORS</b>			
(dollars in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Total Assets</b>	\$ 284,138	\$ 263,290	7.9 %
<b>Total Liabilities</b>	3,057	2,853	7.2 %
<b>Total Net Position-restricted for pension benefits</b>	\$ 281,081	\$ 260,437	7.9 %

<b>Summary of Changes in Fiduciary Net Position - GWPORS</b>			
(dollars in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Additions (by major source):</b>			
Contributions	\$ 11,754	\$ 11,016	6.7 %
Investment Earnings	21,971	(11,721)	287.4 %
<b>Total Additions</b>	<b>33,725</b>	<b>(705)</b>	<b>4,883.7 %</b>
<b>Deductions (by type):</b>			
Benefits, Refunds and Transfers	12,942	12,081	7.1 %
Administrative Expenses and Other Expenses	184	169	8.9 %
<b>Total Deductions</b>	<b>13,126</b>	<b>12,250</b>	<b>7.2 %</b>
<b>Increase/(Decrease) in Net Position</b>	<b>\$ 20,599</b>	<b>\$ (12,955)</b>	<b>259.0 %</b>
<b>Beginning of Year Net Position</b>	<b>\$ 260,437</b>	<b>\$ 273,392</b>	<b>(4.7)%</b>
<b>Prior Period Adjustment</b>	45		
<b>End of Year Net Position</b>	<b>\$ 281,081</b>	<b>\$ 260,437</b>	<b>7.9 %</b>

- The \$738.8 thousand increase in contributions is due to an increase of 40 active members contributing to the plan, a 4.1% increase from the prior fiscal year.
- For investment earnings refer to page 25 for discussion on the *Investment Performance* for fiscal year 2023.
- The \$1.2 million increase in benefits is a result of an increase of 45 benefit recipients, a 10.1% increase from the prior fiscal year.
- Although the number of refunds increased by 16 from the prior fiscal year, there was still a decrease of \$385.3 thousand due to refunds being processed for smaller dollar amounts.

**Montana Police Officers' Retirement System (MPORS)**

The MPORS net position restricted for pension benefits as of June 30, 2023, increased by \$43.2 million from the prior fiscal year because of strong investment returns. Below is an individual analysis of the MPORS:

<b>Summary of Fiduciary Net Position - MPORS</b>			
(dollars in thousands)	2023	2022	% Change
<b>Total Assets</b>	\$ 591,817	\$ 548,288	7.9 %
<b>Total Liabilities</b>	5,958	5,637	5.7 %
<b>Total Net Position - restricted for pension benefits</b>	\$ 585,859	\$ 542,651	8.0 %

<b>Summary of Changes in Fiduciary Net Position - MPORS</b>			
(dollars in thousands)	2023	2022	% Change
<b>Additions (by major source):</b>			
Contributions	\$ 35,450	\$ 32,618	8.7 %
Investment Earnings	44,606	(23,865)	286.9 %
<b>Total Additions</b>	<b>80,056</b>	<b>8,753</b>	<b>814.6 %</b>
<b>Deductions (by type):</b>			
Benefits, Refunds and Transfers	36,715	34,157	7.5 %
Administrative Expenses and Other Expenses	173	160	8.1 %
<b>Total Deductions</b>	<b>36,888</b>	<b>34,317</b>	<b>7.5 %</b>
<b>Increase/(Decrease) in Net Position</b>	\$ 43,168	\$ (25,564)	268.9 %
<b>Beginning of Year Net Position</b>	\$ 542,651	\$ 568,215	(4.5)%
<b>Prior Period Adjustment</b>	40		
<b>End of Year Net Position</b>	\$ 585,859	\$ 542,651	8.0 %

- Contributions increased from the prior fiscal year because of an increase of 21 active members contributing to the plan. In addition to the employer and member contributions, there is a statutorily appropriated contribution from the State's general fund and is reported as *State Appropriations* on the financial statements. This contribution increased by \$1.5 million from the prior fiscal year.
- For investment earnings refer to page 25 for discussion on the *Investment Performance* for fiscal year 2023.
- The increase in benefits from the prior year is due to the increase of 22 benefit recipients and the increase in the average recipient's benefit resulting from the guaranteed annual benefit adjustment (GABA) or the minimum benefit adjustment for non-GABA recipients.
- Refunds increased from the prior fiscal year because of eight more refund requests from prior fiscal year.

## FINANCIAL SECTION

### Firefighters' Unified Retirement System (FURS)

The FURS net position restricted for pension benefits as of June 30, 2023, increased by \$54.5 million, from the prior fiscal year, a result of strong investment returns. Below is an individual analysis of the FURS:

Summary of Fiduciary Net Position - FURS			
(dollars in thousands)	2023	2022	% Change
<b>Total Assets</b>	\$ 650,179	\$ 595,179	9.2 %
<b>Total Liabilities</b>	6,477	5,971	8.5 %
<b>Total Net Position - restricted for pension benefits<sup>1</sup></b>	\$ 643,702	\$ 589,208	9.2 %

Summary of Changes in Fiduciary Net Position - FURS			
(dollars in thousands)	2023	2022	% Change
<b>Additions:</b>			
Contributions	\$ 37,894	\$ 34,468	9.9 %
Investment Earnings	48,813	(25,987)	287.8 %
<b>Total Additions</b>	86,707	8,481	922.4 %
<b>Deductions:</b>			
Benefits, Refunds and Transfers	32,355	30,420	6.4 %
Administrative Expenses and Other Expenses	143	131	9.2 %
<b>Total Deductions</b>	32,498	30,551	6.4 %
<b>Increase/(Decrease) in Net Position</b>	\$ 54,209	\$ (22,070)	345.6 %
<b>Beginning of Year Net Position</b>	\$ 589,208	\$ 611,281	(3.6)%
<b>Prior Period Adjustment</b>	285	(3)	9,600.0 %
<b>End of Year Net Position</b>	\$ 643,702	\$ 589,208	9.2 %

- Contributions increased from the prior fiscal year because of an increase of 77, or 10.3%, in active members contributing to the plan. In addition to the employer and member contributions, there is a statutorily appropriated contribution from the State's general fund and is reported as *State Appropriations* on the financial statements. This appropriation increased by \$1.9 million from the prior fiscal year.
- For investment earnings refer to page 25 for discussion on the *Investment Performance* for fiscal year 2023.

**Volunteer Firefighters' Compensation Act (VFCA)**

The VFCA net position restricted for pension benefits as of June 30, 2023, an increase of \$3.5 million from the prior fiscal year, a result of strong investment returns. Below is an individual analysis of the VFCA:

<b>Summary of Fiduciary Net Position - VFCA</b>			
(dollars in thousands)	2023	2022	% Change
<b>Total Assets</b>	\$ 51,538	\$ 48,004	7.4 %
<b>Total Liabilities</b>	931	918	1.4 %
<b>Total Net Position-restricted for pension benefits</b>	\$ 50,607	\$ 47,086	7.5 %

<b>Summary of Changes in Fiduciary Net Position - VFCA</b>			
(dollars in thousands)	2023	2022	% Change
<b>Additions (by major source):</b>			
Contributions	\$ 3,156	\$ 2,852	10.7 %
Investment Earnings	3,827	(1,966)	294.7 %
<b>Total Additions</b>	6,983	886	688.1 %
<b>Deductions (by type):</b>			
Benefits, Refunds and Transfers	3,114	3,098	0.5 %
Administrative Expenses and Other Expenses	348	344	1.2 %
<b>Total Deductions</b>	3,462	3,442	0.6 %
<b>Increase/(Decrease) in Net Position</b>	\$ 3,521	\$ (2,556)	237.8 %
<b>Beginning of Year Net Position</b>	\$ 47,086	\$ 49,642	(5.1)%
<b>End of Year Net Position</b>	\$ 50,607	\$ 47,086	7.5 %

- Contributions increased from the prior fiscal year due to increased fire insurance premium taxes distributed to the VFCA from the general fund. This is a statutorily appropriated contribution from the State's general fund and is reported as a *Statutory Appropriation* on the financial statements.
- For investment earnings refer to page 25 for discussion on the *Investment Performance* for fiscal year 2023.

***Analysis of the Defined Contribution Plan***

The PERB administers a defined contribution plan the ***Public Employees' Retirement System-Defined Contribution Retirement Plan (PERS-DCRP)***.

The PERS-DCRP net position restricted for pension benefits as of June 30, 2023, increased by \$62.3 million from the prior fiscal year. A defined contribution plan's net position will change annually based on individual participant's decisions on contributions, claims and the investment mix that derives the investment return. On the top of the next page is an individual analysis of the PERS-DCRP:

## FINANCIAL SECTION

<b>Summary of Fiduciary Net Position - PERS- DCRP</b>			
(in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Total Assets</b>	\$ 426,974	364,696	17.1 %
Deferred Outflow of Resources	25	33	(24.2)%
<b>Total Liabilities</b>	<b>645</b>	<b>677</b>	<b>(4.7)%</b>
Deferred Inflow of Resources	33	15	120.0 %
<b>Total Net Position - restricted for pension benefits</b>	<b>\$ 426,321</b>	<b>\$ 364,037</b>	<b>17.1 %</b>

<b>Summary of Changes in Fiduciary Net Position - PERS-DCRP</b>			
(in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Additions (by major source):</b>			
Contributions	\$ 38,814	\$ 37,546	3.4 %
Investment Earnings	46,628	(65,841)	170.8 %
<b>Total Additions</b>	<b>85,442</b>	<b>(28,295)</b>	<b>402.0 %</b>
<b>Deductions (by type):</b>			
Refunds/Distributions	22,208	19,635	13.1 %
Administrative Expenses and Other Expenses	950	985	(3.6)%
<b>Total Deductions</b>	<b>23,158</b>	<b>20,620</b>	<b>12.3 %</b>
<b>Increase/(Decrease) in Net Position</b>	<b>\$ 62,284</b>	<b>\$ (48,915)</b>	<b>227.3 %</b>
<b>Beginning of Year Net Position</b>	<b>\$ 364,037</b>	<b>\$ 412,952</b>	<b>(11.8)%</b>
<b>End of Year Net Position</b>	<b>\$ 426,321</b>	<b>\$ 364,037</b>	<b>17.1 %</b>

- The plan reported a net investment earnings this fiscal year of \$46.6 million as opposed to net investment loss of \$65.8 million in the previous fiscal year. This is reflective of an increase in investment returns and members contributing to the plan.
- The number of recipients receiving distributions increased by 63 from the prior fiscal year. The increase in distributions was due to an increase in defined contribution members taking IRS permitted rollovers and periodic or lump sum distributions.
- The costs of administering the plan decreased from the prior fiscal year by \$35.5 thousand. To decrease the burden of the administrative expenses, a suspension of plan participant fees collected by the recordkeeper Empower Retirement™ was initiated. Instead, MPERA paid the recordkeeping fees out of the administrative expenses.

### *Analysis of the Deferred Compensation (457(b)) Plan*

The *Deferred Compensation (457(b))* plan is presented as an other employee benefit not a pension benefit.

The Deferred Compensation (457(b)) Plan net position available for plan benefits as of June 30, 2023, increased by \$33.9 million from prior fiscal year. This increase was primarily due to an increase in investment earnings reflective of strong investment returns. An individual analysis of the Plan is on the following page:

<b>Summary of Fiduciary Net Position - 457(b) Plan</b>			
(dollars in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Total Assets</b>	<b>\$ 600,839</b>	<b>567,532</b>	<b>5.9 %</b>
Deferred Outflow of Resources	9	13	(30.8)%
<b>Total Liabilities</b>	<b>419</b>	<b>1,057</b>	<b>(60.4)%</b>
Deferred Inflow of Resources	12	6	100.0 %
<b>Total Net Position - restricted for other employee benefits</b>	<b>\$ 600,417</b>	<b>\$ 566,482</b>	<b>6.0 %</b>

<b>Summary of Changes in Fiduciary Net Position - 457(b) Plan</b>			
(dollars in thousands)	<b>2023</b>	<b>2022</b>	<b>% Change</b>
<b>Additions:</b>			
Contributions	\$ 26,266	\$ 29,420	(10.7)%
Investment Earnings	53,757	(84,476)	163.6 %
<b>Total Additions</b>	<b>80,023</b>	<b>(55,056)</b>	<b>245.3 %</b>
<b>Deductions:</b>			
Refunds/Distributions	44,752	41,539	7.7 %
Administrative Expenses and Other Expenses	1,336	1,414	(5.5)%
<b>Total Deductions</b>	<b>46,088</b>	<b>42,953</b>	<b>7.3 %</b>
<b>Increase/(Decrease) in Net Position</b>	<b>\$ 33,935</b>	<b>\$ (98,009)</b>	<b>134.6 %</b>
<b>Beginning of the Year Net Position</b>	<b>566,482</b>	<b>\$ 664,494</b>	<b>(14.7)%</b>
<b>Prior Period Adjustment</b>		\$ (3)	
<b>End of Year Net Position</b>	<b>\$ 600,417</b>	<b>\$ 566,482</b>	<b>6.0 %</b>

- Contributions decreased \$3.2 million from the prior fiscal year, a result of a decrease of 136 members contributing to the plan.
- Distributions increased by 114 from prior fiscal year accounting for the \$3.2 million increase in distributions.
- The costs of administering the plan decreased by \$79.1 thousand from the prior year, a result of decreased membership.

## *Overview of the Financial Statements*

This discussion and analysis is intended to serve as an introduction to the PERB’s financial reporting which is comprised of the following components:

- (1) Basic Financial Statements,
- (2) Notes to the Basic Financial Statements,
- (3) Required Supplementary Information, and
- (4) Other Supplementary Schedules.

Collectively, this information presents the combined net position restricted for pension and other employee benefits for each of the plans administered by the PERB as of June 30, 2023. This financial information also summarizes the combined changes in net position restricted for pension

## FINANCIAL SECTION

and other employee benefits for the year then ended. The information in each of these components is briefly summarized as follows:

### (1) Basic Financial Statements

For the fiscal year ended June 30, 2023, basic financial statements are presented for the fiduciary funds administered by Montana Public Employee Retirement Administration, staff of the PERB. Fiduciary funds are used to pay for pension and other employee benefits and expenses. The fiduciary funds are comprised of eleven trust funds that consist of nine pension, one other post-employment benefit (OPEB), and one other employee benefit (457(b)).

- The Statement of Fiduciary Net Position is a point-in-time snapshot of the assets and liabilities and the resulting restricted fiduciary net position. This financial statement reflects the resources available to pay benefits to retirees and beneficiaries at the end of the reported fiscal year.
- The Statement of Changes in Fiduciary Net Position presents the changes in the restricted fiduciary net position during the fiscal year. Additions are mainly contributions from employers, members, and a non-employer contributing entity, including state appropriations and net investment earnings. Deductions include pension, disability, survivor and death benefit disbursements, distributions of contributions and interest, and administrative expenses.

### (2) Notes to the Basic Financial Statements

The Notes to the Basic Financial Statements are an integral part of the financial statements and provide additional information that is essential for a comprehensive understanding of the data provided in the financial statements. The information in the Notes to the Financial Statements is described as follows:

- **Note A** provides a summary of significant accounting policies including:
  - A1. Basis of Presentation and Basis of Accounting,
  - A2. Capital Assets,
  - A3. Net Pension Liability of Employers,
  - A4. Other Post-Employment Benefits (OPEB for Healthcare), and
  - A5. Method used to Value Investments.
- **Note B** provides information about litigation.
- **Note C** describes the membership and descriptions of each of the plans administered by the PERB. Summaries of benefit and contribution information are also provided.

### (3) Required Supplementary Information

The required supplementary information (RSI) consists of:

- Schedule of Changes in the Multiple-Employer and Single-Employer Plans Net Pension Liability / (Asset),
- Schedule of Net Pension Liability / (Asset) for Multiple-Employer and Single-Employer Plans,
- Schedule of Employer Contributions for Multiple-Employer and Single-Employer Plans, and
- Schedule of Investment Returns.

These schedules are intended to show information for the most recent ten years.

The RSI also contains related notes concerning actuarial information of the defined benefit pension plans; Other Post-Employment Benefits (OPEB) for the State Healthcare Benefits and related notes to the OPEB plan, which is administered by the State of Montana and where PERB is an employer. Finally, this discussion and analysis is also RSI in accordance with Governmental Accounting Standards Board (GASB) standards.

### (4) Other Supplementary Schedules

- Schedule of Administrative Expenses, and
- Schedule of Investment Expenses.

## *Actuarial Valuations and Funding Progress*

The PERB's consulting actuary conducts two actuarial valuations on an annual basis for each of the PERB defined benefit retirement plans and the DC Disability OPEB plan: one for GASB-compliant "financial reporting" purposes, and the other for "management" purposes. Results of each are highlighted in the following paragraphs.

### **GASB Statements No. 67 and No. 68 Actuarial Valuations**

This is the tenth year since the PERB implemented pension accounting and financial reporting standards authorized by the Governmental Accounting Standards Board (GASB). To comply with GASB Statement No. 67, *Financial Reporting for Pensions, an amendment of GASB Statement No. 25*, as amended (GASB-67), the PERB relied upon its consulting actuary to compute the total pension liability, net pension liability, pension income or expense, and deferred outflows and deferred inflows of resources for each of its defined benefit retirement funds as of June 30, 2023. The PERB's participating governmental employers are required to report their respective shares of these amounts in their financial statements in compliance with GASB Statement No. 68, *Accounting and Financial Reporting for Pensions, an amendment of GASB Statement No. 27*, as amended (GASB-68).

For PERB's largest cost-sharing, multiple-employer defined benefit plan, the Public Employees Retirement System (PERS), the June 30, 2023 actuarial valuation report in accordance with

## FINANCIAL SECTION

GASB-67 revealed a net pension liability of \$2.44 billion. This is an increase of \$62.5 million from the fiscal year 2022 net pension liability of \$2.38 billion. As a result of this June 30, 2023 actuarial valuation, the plan's fiduciary net position as a percentage of the total pension liability was 73.93%, increasing 0.27% from the ratio of 73.66% reported as of June 30, 2022.

Additional information on the actuarial valuation results for PERB's defined benefit retirement plans may be found in the *Financial Section* of this report in: *Note A3. Net Pension Liability of Employers* beginning on page 48 and in the *Required Supplementary Information (RSI)* beginning on page 100.

### Funding Actuarial Valuations

An actuarial valuation for management purposes of each of the defined benefit plans and the DCRP Disability OPEB plan is performed annually. The purpose of this particular actuarial valuation is to measure funding progress, and to ascertain the actuarial determined contribution, contribution sufficiency or deficiency, and other actuarial information necessary for monitoring funding position. The most recent actuarial valuation was performed for the fiscal year ending June 30, 2023.

The experience study performed during fiscal year 2022 for the five-year period of July 1, 2016 to June 30, 2021, resulted in changes to the demographic and economic actuarial assumptions and implementation of new actuarial factors. These were used in the June 30, 2023 actuarial valuation.

The PERB's funding objective is to meet long-term benefit obligations through investment income and contributions. Employer and member contributions and other contributions for some systems, and the income from investments provide the cash flow needed to finance future retirement benefits. The Actuarial Determined Contribution (ADC) is a critical component of funding for defined benefit plans. The ADC, as defined by GASB, is a target or recommended contribution to a defined benefit pension plan for the reporting period.

Investment earnings are also critical to the defined benefit plans' funding; investment losses deteriorate the plans' funding. The asset smoothing methods utilized by the plans limits the impacts to four years. The funding status in the latest valuation, increased for all plans.

As required by Article VIII, section 15, of the Montana Constitution and section 19-2-409, MCA, the public retirement plans are to be funded on an actuarially sound basis. Public pension plans are considered actuarially sound if the unfunded actuarial accrued liability amortization period is 30 years or less. According to the PERB's June 30, 2023 actuarial valuations, the unfunded liability of all plans amortize within the 30 years, with JRS being fully funded.

Additional information about the funding actuarial valuation results for each defined benefit fund may be found in the *Actuarial Section* of this report.

### Currently Known Facts, Conditions, or Decisions

The following are currently know facts, conditions, or decisions that are expected to have a significant effect on the System's financial position or results of operations.

During the 2023 Legislative Session, House Bill 569 was passed creating a layered amortization policy using closed amortization periods for legacy and contemporary unfunded liabilities in statute for the JRS beginning July 1, 2023 and the HPORS, SRS, and GWPORS systems beginning July 1, 2024.

House Bill 569 also increased the employer contribution rate in GWPORS to 10.56% from 9.00%. This is effective July 1, 2023 through July 30, 2024. Along with this rate increase for GWPORS, effective July 1, 2023, House Bill 569 provided for a one-time appropriation of State general fund dollars to SRS of \$26.8 million, HPORS of \$27.6 million, and GWPORS of \$41.2 million.

Finally, the bill also changes the retirement eligibility criteria in HPORS and SRS from 20 years at any age to age 50 and 20 years for new hires entering each system on or after July 1, 2023.

### *Subsequent Events*

MPERA has performed an evaluation of subsequent events and there are no material events identified.

### *Request for Information*

This financial report is intended to provide a general overview of the PERB's financial position as of June 30, 2023, and the results of the financial activities for fiscal year 2023. If you have any questions or comments concerning the contents of this report, please contact Montana Public Employee Retirement Administration:

- By mail at 100 N. Park, Suite 200, PO Box 200131, Helena, Montana 59620-0131,
- By telephone 1-406-444-3154 or toll-free 1-877-275-7372, or
- Via e-mail at [mpera@mt.gov](mailto:mpera@mt.gov)

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## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

### Statement of Fiduciary Net Position - Pension (And Other Employee Benefit) Trust Funds

as of June 30, 2023

	PERS-DBRP	PERS-DCRP DISABILITY OPEB	JRS	HPORS	SRS	GWPRS
<b>Assets</b>						
Cash and Short-term Investments	\$ 77,325,588	736,669	1,370,142	2,366,819	5,521,378	3,268,052
Securities Lending Collateral (Note A5)	70,366,674		1,330,372	1,893,971	5,026,940	2,856,719
<b>Receivables</b>						
Interest	338,375	3,194	5,516	9,468	25,595	14,596
Accounts Receivable	3,264,181	4,429	4,895	2,732	503,014	70,435
Receivable from Other Systems (Note A1)	888,746					
Due from Primary Government						
Notes Receivable	4,060					
<i>Total Receivables</i>	4,495,362	7,623	10,411	12,200	528,609	85,031
<b>Investments (Note A5)</b>						
Commingled Equity Securities		7,859,807				
CAPP Investment Pool	6,840,472,784		129,327,920	184,116,428	488,677,991	277,706,916
Defined Contributions Fixed Investments						
Defined Contributions Variable Investments						
Deferred Compensation Life Insurance						
<i>Total Investments</i>	6,840,472,784	7,859,807	129,327,920	184,116,428	488,677,991	277,706,916
<b>Capital Assets - Net of Accumulated Depreciation and Amortization</b>						
Property and Equipment	48,925		366	311	366	366
Intangible Assets	533,613		156,624	132,948	156,624	156,623
Intangible Right-to-use Assets	3,161,457		4,016	19,794	101,837	64,545
<i>Total Capital Assets</i>	3,743,995		161,006	153,053	258,827	221,534
<b>Total Assets</b>	6,996,404,403	8,604,099	132,199,851	188,542,471	500,013,745	284,138,252
Deferred Outflow of Resources - OPEB	317,757					
<b>Liabilities</b>						
Securities Lending Liability	70,366,674		1,330,372	1,893,971	5,026,940	2,856,719
Accounts Payable	463,491					
Payable to Other Systems (Note A1)			8,053	38,541	208,237	131,155
Contributions Received in Advance	17,620	2	28			155
Compensated Absences	524,712		105	502	2,710	1,707
Lease Liability	3,309,214		4,204	20,719	106,596	67,561
OPEB Liability	115,046					
<b>Total Liabilities</b>	74,796,757	2	1,342,762	1,953,733	5,344,483	3,057,297
Deferred Inflow of Resources - OPEB	423,593					
<i>Net Position - Restricted for Pensions</i>	\$ 6,921,501,810	8,604,097	130,857,089	186,588,738	494,669,262	281,080,955
<i>Net Position - Restricted for Benefits</i>						
<b>Total Fiduciary Net Position</b>	<b>\$ 6,921,501,810</b>	<b>8,604,097</b>	<b>130,857,089</b>	<b>186,588,738</b>	<b>494,669,262</b>	<b>281,080,955</b>

*The notes to the financial statements are an integral part of this statement.*

Defined Benefit and Disability OPEB Pension Plans			Defined Contribution Plan	Other Employee Benefit		Total Pension (and Other Employee Benefit) Trust Funds
MPORS	FURS	VFCA	PERS-DCRP	Deferred Compensation (457(b)) Plan	Total Defined Benefit and Disability OPEB Pension Plans	
6,128,649	6,706,119	3,704,852	107,128,268	5,349,735	1,333,499	113,811,502
5,759,267	6,328,248	484,102	94,046,293			94,046,293
25,418	28,040	1,974	452,176	16,103	4,713	472,992
210,509	182,950	3,547	4,246,692	268,737	209,370	4,724,799
			888,746			888,746
19,621,587	21,567,679		41,189,266			41,189,266
			4,060			4,060
19,857,514	21,778,669	5,521	46,780,940	284,840	214,083	47,279,863
			7,859,807			7,859,807
559,868,876	615,180,538	47,060,410	9,142,411,863	25,084,079	197,940,611	9,142,411,863
				395,748,335	401,026,856	223,024,690
					3,617	796,775,191
						3,617
559,868,876	615,180,538	47,060,410	9,150,271,670	420,832,414	598,971,084	10,170,075,168
328	324	298	51,284	5,294	2,747	59,325
140,233	138,411	127,485	1,542,561	127,484	151,160	1,821,205
62,537	47,333	155,481	3,617,000	374,172	166,299	4,157,471
203,098	186,068	283,264	5,210,845	506,950	320,206	6,038,001
591,817,404	650,179,642	51,538,149	9,403,438,016	426,973,939	600,838,872	10,431,250,827
			317,757	24,913	8,739	351,409
5,759,267	6,328,248	484,102	94,046,293			94,046,293
4,614			468,105	195,827	221,186	885,118
125,402	97,216	280,142	888,746			888,746
1,447	1,097		20,349	151		20,500
1,632	1,265	3,646	536,279	48,057	20,502	604,838
65,460	49,545	162,748	3,786,047	391,660	174,071	4,351,778
			115,046	9,020	3,164	127,230
5,957,822	6,477,371	930,638	99,860,865	644,715	418,923	100,924,503
			423,593	33,210	11,650	468,453
585,859,582	643,702,271	50,607,511	9,303,471,315	426,320,927		9,729,792,242
					600,417,038	600,417,038
<b>585,859,582</b>	<b>643,702,271</b>	<b>50,607,511</b>	<b>9,303,471,315</b>	<b>426,320,927</b>	<b>600,417,038</b>	<b>10,330,209,280</b>

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Statement of Changes in Fiduciary Net Position - Pension (And Other Employee Benefit) Trust Funds

for the year ended June 30, 2023

	PERS-DBRP	PERS-DCRP DISABILITY OPEB	JRS	HPORS	SRS	GWPORS
<b>Additions</b>						
<b>Contributions (Note C)</b>						
Employer	\$ 132,340,708	649,751		6,907,851	13,475,867	5,273,393
Plan Member	118,936,074		647,761	2,376,396	11,167,349	6,471,035
Interest Reserve Buyback	233,091			175	19,573	4,680
Retirement Incentive Program	455					
Miscellaneous Revenue	147,620	455	296	499	6,645	5,482
State Contributions	1,196,282			205,826		
State Appropriations	34,979,900			2,000,000		
Nonvested Member Forfeitures						
<i>Total Contributions</i>	287,834,130	650,206	648,057	11,490,747	24,669,434	11,754,590
<b>Investments (Note A5)</b>						
Net Appreciation (Depreciation)						
in Fair Value of Investments	583,825,386	846,968	10,987,229	15,558,441	41,239,217	23,341,237
Interest	3,052,885	21,945	49,296	83,404	222,657	122,618
Investment Expenses	(39,017,506)	(4,846)	(733,020)	(1,044,217)	(2,741,765)	(1,551,931)
<i>Net Investment Earnings</i>	547,860,765	864,067	10,303,505	14,597,628	38,720,109	21,911,924
Securities Lending Income						
Securities Lending Income	3,772,413		70,895	100,952	265,055	150,041
Securities Lending Rebate and Fees	(2,293,199)		(43,096)	(61,367)	(161,124)	(91,208)
<i>Net Securities Lending Income</i>	1,479,214		27,799	39,585	103,931	58,833
<b>Total Net Investment Earnings</b>	549,339,979	864,067	10,331,304	14,637,213	38,824,040	21,970,757
<b>Total Additions</b>	837,174,109	1,514,273	10,979,361	26,127,960	63,493,474	33,725,347
<b>Deductions (Note C)</b>						
Benefits	541,852,695	90,699	4,427,197	14,608,758	27,343,915	11,833,285
Refunds/Distributions	14,699,642			747,967	2,021,636	1,104,377
Transfers to Other Systems	336,442			43,799	9,324	4,609
Transfers to Montana University System Retirement Plan (MUS-RP)	328,675					
Transfers to Defined Contribution Retirement Plan (DCRP)	2,180,969					
Supplemental Insurance Payments						
OPEB Expenses	33,631					
Administrative Expenses	6,212,226		53,314	79,030	265,998	184,140
Miscellaneous Expenses						
<b>Total Deductions</b>	565,644,280	90,699	4,480,511	15,479,554	29,640,873	13,126,411
<b>Net Increase (Decrease)</b>	271,529,829	1,423,574	6,498,850	10,648,406	33,852,601	20,598,936
<b>Net Position</b>						
Beginning of Year	6,649,820,273	7,180,523	124,358,278	175,940,332	460,194,880	260,437,413
Prior Period Adjustments (Note A1)	151,708		(39)		621,781	44,606
<b>End of Year</b>	<b>\$ 6,921,501,810</b>	<b>8,604,097</b>	<b>130,857,089</b>	<b>186,588,738</b>	<b>494,669,262</b>	<b>281,080,955</b>

*The notes to the financial statements are an integral part of this statement.*

Defined Benefit and Disability OPEB Pension Plans				Defined Contribution Plan	Other Employee Benefit	
MPORS	FURS	VFCA	Total Defined Benefit and Disability OPEB Pension Plans	PERS-DCRP	Deferred Compensation 457(b) Plan	Total Pension (and Other Employee Benefit) Trust Funds
9,723,071	9,430,704		177,801,345	18,959,512	188,589	196,949,446
6,096,910	7,052,107		152,747,632	18,322,633	25,630,905	196,701,170
4,278	3,162		264,959			264,959
			455			455
741	1,236		162,974	1,472	446,016	610,462
			1,402,108	121,009		1,523,117
19,624,763	21,406,468	3,156,488	81,167,619			81,167,619
				1,409,309		1,409,309
<b>35,449,763</b>	<b>37,893,677</b>	<b>3,156,488</b>	<b>413,547,092</b>	<b>38,813,935</b>	<b>26,265,510</b>	<b>478,626,537</b>
47,415,431	51,878,732	4,069,127	779,161,768	37,554,994	37,636,615	854,353,377
232,061	255,850	19,952	4,060,668	9,174,700	16,913,982	30,149,350
(3,161,044)	(3,453,073)	(272,204)	(51,979,606)	(102,040)	(793,750)	(52,875,396)
<b>44,486,448</b>	<b>48,681,509</b>	<b>3,816,875</b>	<b>731,242,830</b>	<b>46,627,654</b>	<b>53,756,847</b>	<b>831,627,331</b>
305,665	333,896	26,326	5,025,243			5,025,243
(185,810)	(202,971)	(16,003)	(3,054,778)			(3,054,778)
<b>119,855</b>	<b>130,925</b>	<b>10,323</b>	<b>1,970,465</b>			<b>1,970,465</b>
44,606,303	48,812,434	3,827,198	733,213,295	46,627,654	53,756,847	833,597,796
80,056,066	86,706,111	6,983,686	1,146,760,387	85,441,589	80,022,357	1,312,224,333
33,957,906	32,131,050	3,113,937	669,359,442			669,359,442
2,748,037	223,760		21,545,419	22,208,021	44,752,307	88,505,747
8,754			402,928			402,928
			328,675			328,675
			2,180,969			2,180,969
		12,450	12,450			12,450
			33,631	(864)	(1,306)	31,461
173,427	142,815	335,940	7,446,890	964,499	321,549	8,732,938
				(13,988)	1,015,461	1,001,473
<b>36,888,124</b>	<b>32,497,625</b>	<b>3,462,327</b>	<b>701,310,404</b>	<b>23,157,668</b>	<b>46,088,011</b>	<b>770,556,083</b>
43,167,942	54,208,486	3,521,359	445,449,983	62,283,921	33,934,346	541,668,250
542,651,228	589,208,686	47,086,152	8,856,877,765	364,037,006	566,482,692	9,787,397,463
40,412	285,099		1,143,567			1,143,567
<b>585,859,582</b>	<b>643,702,271</b>	<b>50,607,511</b>	<b>9,303,471,315</b>	<b>426,320,927</b>	<b>600,417,038</b>	<b>10,330,209,280</b>

## **Public Employees' Retirement Board**

*A Component Unit of the State of Montana*

### **Notes to the Basic Financial Statements**

*for the Fiscal Year Ended June 30, 2023*

The Public Employees' Retirement Board (PERB) is an independent, seven-member board, appointed by the Governor. The members are assigned five-year, staggered terms. The PERB consists of:

- two members at large,
- two active defined benefit public employees,
- one active defined contribution public employee,
- one member experienced in investments, and
- one retired public employee.

The PERB approves the annual operating budget, developed by the Montana Public Employee Retirement Administration (MPERA) management, before the beginning of the fiscal year. As governed by statute, the PERB's defined benefit administrative expenses may not exceed 1.5 percent of total defined benefit plan retirement benefits paid. In addition, the PERB decides its legislative priorities, hires the executive director, establishes the policies and procedures that govern operations at MPERA, and hears and rules on appeal matters of disabilities, retirees, and members. Board members do not receive compensation for their service to MPERA but are reimbursed for necessary expenses incurred while serving.

The PERB oversees nine retirement plans, an OPEB, the related member education funds, and an other employee benefit plan. The Public Employees' Retirement System Defined Contribution Disability Other Post-Employment Benefit (PERS-DCRP Disability OPEB) is a trust fund providing a defined benefit for disabled members of the PERS-DCRP. The retirement plans are eight defined benefit plans and a defined contribution plan. The defined benefit retirement plans are:

- Public Employees' Retirement System (PERS-DBRP),
- Judges' Retirement System (JRS),
- Highway Patrol Officers' Retirement System (HPORS),
- Sheriffs' Retirement System (SRS),
- Game Wardens' and Peace Officers' Retirement System (GWPORS),
- Municipal Police Officers' Retirement System (MPORS),
- Firefighters' Unified Retirement System (FURS), and
- Volunteer Firefighters' Compensation Act (VFCA).

The defined contribution retirement plan is:

- Public Employees' Retirement System (PERS- DCRP).

The other employee benefit plan is:

- Deferred Compensation (457(b)) Plan

The PERS-DCRP was implemented July 1, 2002. All new PERS members have a 12-month window to file an irrevocable plan choice election. PERS members are provided education regarding their decision to participate in the Defined Benefit Retirement Plan (PERS-DBRP) or the Defined Contribution Retirement Plan (PERS-DCRP). If members are employees of the university system they have a third choice, the Montana University System Retirement Program (MUS-RP). Further education is provided for the members who choose the PERS-DCRP, including information on investment choices.

The PERB began oversight of the Deferred Compensation (457(b)) Plan on July 1, 1999. The Deferred Compensation Plan is available to all employees of the State of Montana, the Montana University System and contracting political subdivisions. This is an other employee benefit plan.

The MPERA, as a state agency, participates as an employer in the PERS-DBRP, PERS-DCRP and the Deferred Compensation Plan.

The assets of each plan are maintained separately, including member education funds. The assets may be used only for the payment of benefits to the members and administrative expenses of the appropriate plan, in accordance with the terms of each plan as prescribed in Title 19 of the Montana Code Annotated (MCA). The financial statements are presented by combining the PERS-DBRP and the DBRP Education Fund and by combining the PERS-DCRP and the DCRP Education Fund. A presentation of the individual funds is shown at the end of the financial section on pages 132 to 135.

## **NOTE A. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

### **A1. BASIS OF PRESENTATION AND BASIS OF ACCOUNTING**

#### **Basis of Presentation**

The PERB is a fiduciary component unit Pension and Other Employee Benefit Trust Fund of the State of Montana. The accompanying financial statements were prepared by MPERA, staff of the PERB, in accordance with generally accepted accounting principles (GAAP). In doing so, MPERA adheres to accounting and financial reporting standards established by the Governmental Accounting Standards Board (GASB). GASB is the independent, not-for-profit, standards-setting organization and the official source of GAAP for state and local governmental entities in the United States of America.

PERB's accounts are organized and presented as separate fiduciary funds. These funds are classified as pension and other employee benefit trust funds and are maintained for the exclusive benefit of the members and their beneficiaries.

#### **Basis of Accounting**

The basis of accounting indicates the timing of transactions or events for recognition in the financial statements. The PERB's financial statements are reported using fund accounting principles and the accrual basis of accounting. Plan member contributions, employer contributions, and related receivables are recognized as revenues in the accounting period in which they are

## FINANCIAL SECTION

earned and become measurable, pursuant to formal commitments and statutory requirements. Benefit payments and refunds/distributions are recognized in the accounting period in which they are due and payable in accordance with the terms of each plan. Administrative and other expenses, and the associated liabilities, are recognized in the period the liability is incurred. Administrative expenses are financed through investment earnings on the pension trust fund for the defined benefit plans. Interfund receivables and payables exist at year-end for defined benefit administrative expenses that are accounted for within PERS-DBRP and allocated to the other defined benefit funds at year-end.

### Prior Period Adjustments

Prior period adjustments relate to corrections of errors and changes in accounting policy from prior periods. The prior period adjustments for fiscal year (FY) 2023 were related to employer adjustments made for payroll incorrectly reported for FY1992 through FY2022 for PERS-DBRP (101 employers); and FY2018 through FY2022 for JRS (one employer), SRS (six employers), GWPORS (three employers), MPORS (eight employers), and FURS (eight employers). The reporting errors were initially reported in the employer, plan member and state contribution revenue accounts. On a monthly basis, these are adjusted out of the revenue accounts and are presented as Prior Period Adjustments on the basic *Statement of Changes in Fiduciary Net Position*.

### Significant Accounting Changes

Significant accounting policies are specific accounting principles and methods used and considered to be the most appropriate to use in current circumstances to fairly present the financial statements.

GASB Statement No. 96, *Subscription-Based Information Technology Arrangements* (SBITA) took effect starting with the FY ending June 30, 2023. The implementation of this standard establishes a single model for subscription accounting based on the foundational principle that long-term subscriptions are financings of the right-to-use an underlying asset. The standard requires recognition of certain right-to-use subscribed assets and liabilities for licensed software and hardware that previously were classified as inflows of resources or outflows of resources based on the payment provisions of the contract. The State of Montana has adopted a capitalization threshold of \$100,000. The software arrangements were classified as either short-term or perpetually licensed per GASB standards and are under the \$100,000 threshold.

## A2. CAPITAL ASSETS

- **Tangible Capital Assets**—MPERA has adopted a capitalization threshold used to identify whether assets purchased by MPERA are classified as capital assets or operating expenses that are expensed in the year purchased. Furniture and equipment with a cost equal to or greater than \$5,000, \$25,000 for building improvements, are recorded as tangible capital assets and depreciated based on the useful life of the asset. Equipment consists of a keyless door entry system. Building improvements consists of a remodel of the front office area.

Depreciation for tangible capital assets is computed using the straight-line method over the estimated useful life of the related assets according to the following schedule on the top of the next page:

Useful Lives of Tangible Capital Assets	
	<u>Years</u>
Building Improvements	7-20
Furniture and Equipment	3-10

Assets (other intangibles) valued at \$100,000 or more are recorded at cost less straight-line depreciation over the estimated useful life of five to ten years. The \$1,821,205 *Intangible Assets* in the *Total Pension (and Other Employee Benefit) Trust Funds* column on the *Statement of Fiduciary Net Position*, consists of the PERIS computer system. This intangible asset is amortized over 10 years.

- ***Intangible Right-to-use Lease Assets***—Lease liabilities represent MPERA's obligation to make lease payments arising from the contractual relationship. Lease liabilities are recognized at the lease commencement date based on the present value of the lease payments expected to be made during the lease term. The present value of the lease payments are discounted based on a borrowing rate determined by Montana Board of Investments.

MPERA has a right-to-use asset representing the building lease for MPERA's offices at the location of 100 North Park Avenue, Helena, MT. The lease is payable monthly and includes inflationary adjustments over the period of the lease. MPERA is required to make principal and interest payments through June 30, 2030. The agreement has a discount rate of 1.65%. The right-to-use asset and related accumulated amortization for the building contract are \$4,157,471 and \$692,612, respectively as of June 30, 2023. The building lease allows for a renewal option of one to five years, that MPERA is reasonably certain to exercise. MPERA has recognized the additional five years in the measurement of the lease liability. The lease provides for increases in future minimum annual rental payments based on an escalation scale of 3% per year.

Remaining principal and interest payments on the lease agreement are as follows, assuming exercising of the extension:

Fiscal Year	Principal	Interest	Total Amount
July 1, 2023 - June 30, 2024	\$276,049	\$64,122	\$340,171
July 1, 2024 - June 30, 2025	\$284,794	\$65,582	\$350,376
July 1, 2025 - June 30, 2026	\$300,105	\$60,782	\$360,887
July 1, 2026 - June 30, 2027	\$315,988	\$55,726	\$371,714
July 1, 2027 - June 30, 2032	\$1,839,573	\$193,113	\$2,032,686
July 1, 2032 - June 30, 2035	\$1,335,322	\$36,563	\$1,371,885

## FINANCIAL SECTION

### A3. NET PENSION LIABILITY OF EMPLOYERS

The net pension liability (the retirement systems' total pension liability determined in accordance with GASB Statement No. 67 less the fiduciary net position at fair value) as of June 30, 2023, is shown below in the *Schedule of Employers' Net Pension Liability (NPL)*.

Actuarial valuations of the ongoing systems involve estimates of the reported amounts and assumptions about probability of occurrence of events far into the future. The information used includes, but is not limited to, the plan provisions, employee data, and financial information provided by the PERB. Amounts determined regarding the NPL are subject to revision with each valuation as actual results are compared with past expectations and new estimates are made about the future. The most recent experience study was performed in 2022 using June 30, 2021 valuation data.

The reporting date for the retirement systems is June 30, 2023. Measurements as of the reporting date are based on the fair value of assets as of June 30, 2023 and the Total Pension Liability (TPL) is based on the results of an actuarial valuation date of June 30, 2023. No roll forward procedures were used.

The *Schedule of Employers' Net Pension Liability*, presented as Required Supplementary Information (RSI) following the Notes to the statements, displays multi-year trend information about whether the plan fiduciary net positions are increasing or decreasing over time relative to the TPL.

<b>Employers' Net Pension Liability / (Asset) as of June 30, 2023</b> (dollar amounts are in thousands)						
System	Total Pension Liability (a)	Plan Fiduciary Net Position <sup>1</sup> (b)	Employers' Net Pension Liability / (Asset) (a-b)	Plan Fiduciary Net Position as a % of the Total Pension Liability (b/a)	Covered Payroll (c)	Net Pension Liability / (Asset) as a % of Covered Payroll ((a-b)/c)
PERS-DBRP	\$ 9,361,216	\$ 6,920,862	\$ 2,440,354	73.93 %	\$ 1,453,317	167.92 %
JRS	73,135	130,857	(57,722)	178.92 %	8,561	(674.23)%
HPORS	283,435	186,589	96,846	65.83 %	18,005	537.90 %
SRS	641,662	494,669	146,993	77.09 %	102,450	143.48 %
GWPORS	348,304	281,081	67,223	80.70 %	58,393	115.12 %
MPORS	817,699	585,860	231,840	71.65 %	66,806	347.03 %
FURS	794,682	643,702	150,980	81.00 %	65,575	230.24 %
VFCA	52,198	50,608	1,590	96.95 %	N/A <sup>2</sup>	N/A <sup>2</sup>

<sup>1</sup>The PERS-DB Education Fund balance is not included in the GASB 67 reporting, this is a not a pension fund.  
<sup>2</sup>Covered payroll is not applicable to VFCA because members are unpaid volunteers.

Following on the top of the next page are the changes to the benefit terms used in the measurement of the TPL for June 30, 2023 as a result of House Bill 569 during the 2023 Legislative Session.

1. An unreduced retirement eligibility for HPORS was changed from 20 years of service at any age, to age 50 and 20 years of service for new hires entering the system on or after July 1, 2023. This change had no impact on the TPL.
2. Effective July 1, 2023, the retirement eligibility criteria in SRS for new hires first entering the system changes from 20 years at any age to age 50 and 20 years. This change had no impact on the TPL.

Below are the changes to the actuarial assumptions used in the measurement of the TPL for June 30, 2023.

1. The discount rate was increased from 5.55% to 7.30% for GWPORS. The municipal bond rate was not used in the measurement of the TPL for June 30, 2023. Therefore, the discount rate is the assumed long-term expected rate of return on investments.

A summary of the actuarial assumptions for the retirement plan's GASB No. 67 reporting as of the latest actuarial valuation on June 30, 2023 is shown in the *Notes to the RSI* on pages 122 and 123 and pages 128 and 129. The assumptions and methods used in the latest actuarial valuation are based on the most recent actuarial experience study for the five-year period July 1, 2016 to June 30, 2021.

### **Long-Term Expected Rate of Return on Investments**

The long-term expected rate of return on pension plan investments is reviewed as part of regular experience studies prepared for the Plans about every five years. The current long-term rate of return is based on analysis in the experience study report dated May 2, 2022, without consideration of the administrative expenses analysis shown in the experience study. Several factors are considered in evaluating the long-term rate of return assumption including long-term historical data, estimates inherent in current market data, and an analysis in which best-estimate ranges of expected future real rates of return (expected returns, net of investment expense and inflation), along with estimates of variability and correlations for each asset class. These ranges were combined to develop the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and then adding expected inflation. The assumption is intended to be a long-term assumption (30 to 50 years) and is not expected to change absent a significant change in the asset allocation, a change in the underlying inflation assumption, or a fundamental change in the market that alters expected returns in future years.

The target asset allocation and best estimates of arithmetic real rates of return for each major asset class included in the Plans target asset allocation as of June 30, 2023, are summarized in the following Target Allocations table on the top of the next page. While not relied on to develop the long-term expected rate of return, the actuary believes that if more recent arithmetic real rates of return were used, the current long-term expected rate of return would still be reasonable.

<b>Target Allocations as of June 30, 2023</b>		
Asset Class	Target Asset Allocation	Long-Term Expected Real Rate of Return Arithmetic Basis
Cash	3.0 %	(0.33)%
Domestic equities	30.0 %	5.90 %
International equities	17.0 %	7.14 %
Private investments	15.0 %	9.13 %
Real assets	5.0 %	4.03 %
Core fixed income	15.0 %	1.14 %
Non-core fixed income	6.0 %	3.02 %
Real estate	9.0 %	5.41 %
Totals	100.0 %	

**Single Discount Rate**

The discount rate used to measure the TPL for all Plans was 7.30%, which is the assumed long-term expected rate of return on investments. The projection of cash flows used to determine the discount rate assumed that member, employer, and state contributions will be made at the contribution rates specified in the applicable Montana statutes, which can only be changed by the Legislature. Based on those assumptions, the fiduciary net position of all the Plans, was projected to be available to make all the projected future benefit payments of the 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 TPL.

If, however, the fiduciary net position is projected to be depleted, the discount rate is determined as the single rate that will generate a present value of benefit payments equal to the sum of the present value determined by discounting all projected benefit payments through the date of depletion by the long term expected rate of return, and the present value determined by discounting those benefits after the date of depletion by a 20-year tax-exempt municipal bond (rating AA/Aa or higher) rate. The rate used, if necessary, for this purpose is the monthly average of the Bond Buyers General Obligation 20-year Municipal Bond Index Rate (formerly published monthly by the Board of Governors of the Federal Reserve System). The Municipal Bond Index Rate as of the measurement date is 3.66%. The discount rate determined does not use the municipal bond rate for any of the Plans.

**Sensitivity Analysis**

In accordance with GASB No. 67 regarding the disclosure of the sensitivity of the NPL to changes in the discount rate, the NPL of the participating employers is presented as using the discount rate of 7.30%, as well as what the employers’ NPL would be if it were calculated using a discount rate that is 1.00% lower (6.30%) or 1.00% higher (8.30%) than the current rate. The table that follows on the top of the next page, presents the sensitivity disclosures for each plan.

<b>Sensitivity of NPL / (Asset) based on Changes in Discount Rate as of June 30, 2023</b> (dollar amounts are in thousands)			
<b>System</b>	<b>1% Decrease 6.30%</b>	<b>Current Discount Rate 7.30%</b>	<b>1% Increase 8.30%</b>
PERS-DBRP	\$ 3,525,082	\$ 2,440,354	\$ 1,530,364
JRS	(50,730)	(57,722)	(63,760)
HPORS	136,375	96,846	65,100
SRS	238,788	146,993	72,294
GWPORS	119,726	67,223	24,442
MPORS	357,774	231,840	131,849
FURS	275,353	150,980	51,714
VFCA	7,220	1,590	(3,142)

As can be seen from the table, changes in the discount rate affect the measurement of the TPL. Lower discount rates produce a higher TPL and higher discount rates produce a lower TPL. Because the discount rate does not affect the measurement of assets, the percentage change in the NPL can be very significant for a relatively small change in the discount rate.

**Annual Money-Weighted Rate of Return**

The annual money-weighted rate of return on plan investments shows investment performance, net of pension plan investment expense, adjusted for the changing amounts actually invested. A schedule of the annual money-weighted rate of return for all Plans is presented below and in the RSI on pages 124 and 125.

<b>Annual Money-Weighted Rate of Return as of June 30, 2023</b>			
PERS-DBRP	8.42 %	GWPORS	8.47 %
JRS	8.44 %	MPORS	8.43 %
HPORS	8.37 %	FURS	8.45 %
SRS	8.46 %	VFCA	8.37 %

**A4. OTHER POST-EMPLOYMENT BENEFITS (OPEB FOR HEALTHCARE)**

**General Information Non-Trust Plan**

The State of Montana provides optional post-employment health care benefits in accordance with Section 2-18-704, MCA to the following employees and dependents who elect to continue coverage and pay administratively established contributions: (1) employees and dependents who retire under applicable retirement provisions and (2) surviving dependents of deceased employees. Medical, dental, and vision benefits are available through this plan. The State of Montana offers an OPEB plan that is not administered through a trust; as such, there are no plan assets accumulated to offset the total OPEB liability.

## FINANCIAL SECTION

The State of Montana pays for post-employment healthcare benefits on a pay-as-you-go basis. Section 2-18-812, MCA gives the Department of Administration authority to establish and amend the funding policy for the State group health insurance plan.

### Plan Description

The State of Montana Employee Group Benefits Plan, administered by the Montana Department of Administration, is considered a single-employer plan and MPERA is considered to be a participating employer in the plan. In accordance with GASB Statement No. 75, MPERA is required to recognize and report certain amounts associated with their employees and dependents that are eligible to receive health care through the State of Montana Employee Group Benefits Plan. This includes requirements to record and report each employers' proportionate share of the collective Total OPEB Liability, OPEB Expense, and Deferred Outflows and Deferred Inflows of Resources associated to OPEB.

In addition to the employee benefits, the following post-employment benefits are provided. The Montana Department of Administration established retiree medical premiums varying between \$484 and \$1,511 per month for calendar year 2023, depending on the medical plan selected, family coverage, and Medicare eligibility. Retirees pay 100% of the premiums for medical, dental, and vision. Depending on the coverage selected, administratively-established dental premiums vary between \$42.37 and \$71.27 per month and vision hardware premiums vary between \$7.64 and \$22.26. The plan provides different coinsurance amounts and deductibles depending on whether members use participating or non-participating providers. Once retiree members become Medicare eligible, the plan automatically processes claim reimbursement as the secondary insurer, even if the member is not enrolled in Medicare. A basic life insurance plan on the life of the retiree is also included with a retiree's core benefits until the retiree reaches age 65 or is eligible for Medicare.

### Employees covered by benefit terms

At December 31, 2022, MPERA had 47 active employees and one retired employee/spouse/surviving spouse covered by the benefit terms for a total of 48 covered employees.

The estimates were prepared based on an actuarial valuation as of the year ending December 31, 2022, rolled forward to the measurement date of March 31, 2023, for the Department of Administration. The resulting State of Montana Actuarial Valuation of Other Post-Employment Benefits (OPEB) contains the MPERA data and is available through the following address: Montana Department of Administration, State Accounting Division, Room 255, Mitchell Bldg, 125 N Roberts Street, PO Box 200102, Helena, MT 59620-0102.

### Schedule of Changes in Total OPEB Liability

At June 30, 2023, MPERA reported a liability of \$127,229 for its 0.410454% proportionate share of the total OPEB Liability. At June 30, 2022, MPERA reported a liability of \$428,080, for its 0.346248% proportionate share of the total OPEB Liability. MPERA's proportion of the total OPEB liability measurement is based upon MPERA's actuarially determined OPEB liability in comparison to the collective OPEB liability for the State's healthcare plan. MPERA's change in proportion is 0.064206%.

The following table presents the Other Items Related to and Changes in the Total OPEB Liability.

<b>Schedule of Changes in Total OPEB Liability</b>	
Balances at 6/30/2022	\$ 428,080
Changes for the year:	
Service Cost	23,058
Interest	14,804
Differences in experience	(182,312)
Changes of assumptions or other inputs	(148,566)
Benefit Payments (Contributions)	(7,835)
Net Changes	(300,851)
Balances as of 6/30/2023	\$ 127,229

**Actuarial assumptions and other inputs**

The total OPEB liability in the December 31, 2022 actuarial valuation, rolled forward to March 31, 2023, was determined using the following actuarial assumptions and other inputs, applied to all periods included in the measurement, unless otherwise specified.

Contributions:	\$ (7,835)
Actuarial valuation date	December 31, 2022
Actuarial measurement date <sup>(1)</sup>	March 31, 2023
Experience study period	January 1, 2022 through December 31, 2022
Actuarial cost method	Entry age normal funding method
Amortization method	Level percent of payroll, open basis
Remaining amortization period	20 years
Asset valuation method	Not applicable since no assets meet the definition of plan assets under GASB 75
Actuarial Assumptions:	
Discount rate	3.98%
Projected payroll increases	3.50%
Participation:	
Future retirees	40.00%
Future eligible spouses	70.00%
Marital status at retirement	70.00%
<sup>(1)</sup> Updated procedures were used to roll forward the total OPEB liability to the measurement date.	

**Mortality - Healthy:** For general members, healthy mortality follows the PUB-2010 General Employee table, projected generationally using MP-2021. For Safety members, healthy mortality follows the PUB-2010 Safety table, projected generationally using MP-2021.

**Mortality - Disabled:** For general retirees, disabled mortality follows the PUB-2010 General Disabled table set forward 1 year for males and females, projected generationally using MP-2021. For Safety retirees, disabled mortality follows the PUB-2010 Safety Disabled table set forward 1 year for males, projected generationally using MP-2021.

## FINANCIAL SECTION

### Changes in actuarial assumptions and methods since last measurement date

- The discount rate increased from 3.31% to 3.98%.

### Changes in benefit terms since last measurement date

- There were no changes in benefit terms since the last measurement date.

### Sensitivity Analysis

#### Sensitivity of the total OPEB liability to changes in the discount rate:

The following presents the total OPEB liability of MPERA, as well as MPERA's total OPEB liability calculated using a discount rate that is 1.00% lower (2.98%) or 1.00% higher (4.98%) than the current discount rate:

Discount Rate 3/31/2023	1% Decrease (2.98%)	Discount Rate (3.98%)	1% Increase (4.98%)
Total OPEB Liability	\$ 172,925	\$ 127,229	\$ 93,725

#### Sensitivity of the total OPEB liability to changes in the healthcare cost trend rates:

The following presents the total OPEB liability of MPERA, as well as MPERA's total OPEB liability calculated using healthcare cost trend rates that are 1.00% lower (6.5%) or 1.00% higher (9.0%) than the current healthcare cost trend rates:

Healthcare Rate 3/31/2023	1% Decrease	Current Rate (6.5% / 9.0%)	1% Increase
Total OPEB Liability	\$ 94,407	\$ 127,229	\$ 173,407

### OPEB Expense

For the year ended June 30, 2023, MPERA recognized OPEB expense of \$31,461.

### Deferred Outflows and Deferred Inflows of Resources Related to OPEB

At June 30, 2023, MPERA recorded deferred outflows and deferred inflows of resources related to OPEB from the following sources:

	Deferred Outflows of Resources	Deferred Inflow of Resources
Differences between expected and actual experience	\$ 86,361	\$ 196,670
Changes of assumptions or other inputs	375,492	343,366
*Benefit Payments associated with transactions subsequent to the measurement date of the total OPEB liability	2,084	
Total	\$ 463,937	\$ 540,036
*Amounts reported as deferred outflows of resources related to OPEB resulting from MPERA's benefit payments in FY2023 (April 1, 2023 through June 30, 2023) subsequent to the measurement date.		

Amounts reported as deferred outflows and inflows of resources related to OPEB will be recognized in future years as an increase or (decrease) to OPEB expense as follows:

Year ended June 30, 2023	Amount recognized as an Increase or (Decrease) to OPEB Expense
2024	\$ (6,401)
2025	\$ (6,401)
2026	\$ (6,401)
2027	\$ (6,401)
2028	\$ (6,401)
Thereafter	\$ (87,123)

**A5. METHOD USED TO VALUE INVESTMENTS**

According to Article VIII, section 13 of the Montana Constitution and section 19-2-504, MCA, the Montana Board of Investments (MBOI) has a fiduciary responsibility for investing the defined benefit plan assets on behalf of the defined benefit plan members. Investments are determined in accordance with the statutorily and constitutionally mandated “prudent expert principle.” Pursuant to Article VIII, section 15 of the Montana Constitution and sections 19-2-502 and 19-2-503, MCA, the PERB has a fiduciary responsibility for the administration of the pension trust funds. For the defined benefit pools, the PERB relies on the Investment Policy Statements (IPS) that are drafted and approved by the MBOI. Investments administered by the MBOI for the PERB are subject to MBOI's investment risk policies. The PERB does not have an investment policy of its own to address risks. MBOI's stand-alone financial statements and information on investment policies, investment activity, investment management fees, investment risks, and a listing of specific investments owned by the pooled asset accounts can be obtained from the Montana Board of Investments, 2401 Colonial Drive, 3rd Floor, P.O. Box 200126, Helena, MT 59620-0126 or MBOI's website <http://investmentmt.com>.

Investments are reported on the PERB's financial statements at fair value as of June 30, 2023 using quoted market prices, unless as otherwise indicated in this section.

The PERS-DCRP and Deferred Compensation plan’s Montana Fixed Fund is a stable value investment option administered and monitored by the PERB with input from the Employee Investment Advisory Committee and an investment consultant. The PERB has established an investment policy for the Montana Fixed Fund to identify objectives, investment guidelines, and outline the responsibility of the outside vendors; Pacific Investment Management Company, LLC (PIMCO) the stable value manager, State Street Bank and Trust Company (State Street) the custodial bank, and third party synthetic Guaranteed Interest Contract (GIC) providers, Transamerica Life Insurance Company (Transamerica), Prudential Insurance Company of America (Prudential), and Voya Retirement Insurance and Annuity Company (Voya). All money invested in the Montana Fixed Fund investment option of the PERS-DCRP, and deferred compensation plan money is in a Pooled Trust.

## FINANCIAL SECTION

For both the PERS-DCRP and deferred compensation plan, the third party recordkeeper, Empower Retirement™, tracks and reports the daily trading and valuations of all investment options including the assets held by the individual mutual fund companies.

In addition to the laws cited previously, the PERS-DCRP investments are also governed by section 19-3-2122, MCA and the deferred compensation plan investments are governed by section 19-50-102, MCA.

The PERB has a separate investment policy statement for the PERS-DCRP and deferred compensation plans. The investment policies are reviewed and revised, if necessary, by the PERB annually. The investment options are reviewed quarterly for compliance with the established investment policy statement. The PERS-DCRP and deferred compensation plan investments are reported at fair value as of June 30, 2023.

### BOI Pooled Investments

As of June 30, 2023, MBOI managed two major diversified pools for the investments of the retirement funds, Montana Short-Term Investment Pool (STIP) and Montana Consolidated Asset Pension Pool (CAPP). The MBOI also manages the investments of the PERS-DCRP Disability OPEB trust fund. The PERS-DCRP Disability OPEB has investments in STIP and under the Separately Managed Accounts (SMA) portion of the Unified Investment Program within the MBOI, which consists of a portfolio of commingled funds that are recorded under *Commingled Equity Securities* in the financial statements.

#### *Short-Term Investment Pool (STIP)*

The Montana Public Retirement Plans investment in the Short-Term Investment Pool (STIP) will provide the Plans with exposure to Cash related investments. STIP will be managed internally by MBOI utilizing an active investment strategy. STIP invests primarily in short-term, high quality, fixed income securities with a maximum maturity of 397 days or less. Variable securities shall have a maximum maturity of 2 years. STIP shall maintain a dollar-weighted average portfolio maturity of 120 days or less. This Pool is managed to preserve principal while providing 24-hour liquidity for state agency and local government participants.

*Consolidated Asset Pension Pool (CAPP)* – The Consolidated Asset Pension Pool (CAPP) invests directly in the underlying Pension Asset Classes (PACs) on behalf of the Montana Public Retirement Plans within the MBOI Board-approved asset allocation ranges. Each PAC has an underlying set of MBOI Board-approved investment objectives and investment guidelines. Below is a short description of each PAC within the CAPP. For liquidity purposes, each PAC and external manager has a limited amount of cash/cash equivalents. Except for the Cash PAC, it is invested in the State Street Short-Term Investment Fund (STIF), which invests in high quality short-term securities. For external managers, it is invested per MBOI established guidelines.

#### **CAPP's Underlying Asset Classes**

Domestic Equities	Real Estate
International Equities	Core Fixed Income
Private Investments	Non-Core Fixed Income
Real Assets	Cash

*Domestic Equities PAC* – Invests primarily in U.S. traded equity securities such as common stock. The type of portfolio structures utilized are separately managed accounts, commingled accounts, limited partnerships, or limited liability companies, and exchange traded funds.

*International Equities PAC* – Invests primarily in international equity securities that trade on foreign exchanges in developed and emerging markets. The type of portfolio structures utilized are separately managed accounts, commingled accounts, limited partnerships, or limited liability companies, and exchange traded funds.

*Private Investments PAC* – Invests in the entire capital structure of private companies. The type of portfolio structures includes private partnership interests, separate accounts, commingled funds and exchange traded funds. The investments typically have well-defined strategies such as buyout, venture, or distressed debt. Private investments are considered long-term. Exchange traded funds are utilized to minimize the cash position.

*Real Assets PAC* – Invests in inflation linked bonds, infrastructure, energy, timber, agriculture investments or other commodity related assets. The type of portfolio structure includes private partnership interests, separate accounts, commingled funds and exchange traded funds. Real Assets investments generally require a long-time horizon to realize the value of the asset.

*Real Estate PAC* – Invests primarily in real estate properties. The type of portfolio structures includes private investment partnership interests, real estate investment trusts (REITs), separate accounts, commingled funds and exchange traded funds. The funds typically have well-defined strategies such as core, value-add, or opportunistic. Real Estate investments generally require long-time horizon to realize the value of the assets. Exchange traded funds are utilized to minimize the cash position.

*Core Fixed Income PAC* - Invests primarily in marketable, publicly traded, investment grade fixed income securities denominated in U.S. dollars. The type of portfolio structures includes internally managed portfolios or externally managed separate accounts, commingled funds and limited partnerships.

*Non-Core Fixed Income PAC* – Invests primarily in marketable, publicly traded, high yield corporate debt, emerging market debt, convertible debt and preferred securities. The type of portfolio structures includes separately managed accounts, commingled accounts, and limited partnerships.

*Cash PAC* – Invests primarily in highly liquid, money-market type securities. The type of portfolio structures includes the internally managed Short Term Investment Pool (STIP) or cash vehicles managed through MBOI's custodian or other Security Exchange Commission registered U.S. government money market funds.

## FINANCIAL SECTION

<b>PERB Cash Equivalent and Investment Portfolio June 30, 2023</b>		
<u>Investment Pools</u>	<u>Fair Value</u>	<u>Net Asset Value (NAV)</u>
Short-Term Investment Pool	\$ 94,127,284	\$ 94,127,284
CAPP Investment Pool	9,142,411,863	9,142,411,863
Commingled Equity Securities <sup>1</sup>	7,859,807	
Total	<u>\$ 9,244,398,954</u>	<u>\$ 9,236,539,147</u>

<sup>1</sup> DC Disability OPEB is invested in commingled equity index funds.

Investments that are measured at fair value using the net asset value per share (or its equivalent) as a practical method are not classified in the fair value hierarchy. This is the case of the Consolidated Asset Pension Pool (CAPP), the Short-Term Investment Pool (STIP) and SMA investments.

*The Consolidated Asset Pension Pool, CAPP*, is a commingled internal investment pool managed and administered under the direction of MBOI as statutorily authorized by the Unified Investment Program. Only the retirement systems can participate in CAPP. On a monthly basis, redemptions are processed by MBOI to maintain required asset allocations and to provide liquidity for retirement benefits. The fair values of the investments in this category have been determined using the Net Asset Value (NAV) per share (or its equivalent) of the investment.

*STIP* is an external investment pool managed and administered under the direction of MBOI as statutorily authorized by the Unified Investment Program. It is a commingled pool for investment purposes and participant requested redemptions from the pool are redeemed the next business day. The fair values of the investments in this category have been determined using the NAV per share (or its equivalent) of the investment.

Accounts within *SMA* are invested primarily in investment grade, US dollar denominated fixed income securities and custodial bank interest bearing demand deposit accounts.

As of June 30, 2023, the PERB's portion of the defined benefit investment pools is presented in the table below:

<b>PERB Portions of MBOI Pools at June 30, 2023</b>		
<u>Investment</u>	<u>Fair Value June 30, 2023</u>	<u>PERB Portion June 30, 2023</u>
STIP	\$ 94,127,284	0.67%
CAPP	\$ 9,142,411,863	65.41%
SMA	\$ 7,859,807	0.45%

### Fair Value Measurement

The MBOI categorizes their fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the asset and give the highest priority to unadjusted quoted prices in active markets for identical assets of liabilities (level 1 measurements) and the lowest priority to unobservable inputs (level 3 measurements).

Level 1: Quoted prices for identical assets or liabilities in active markets that MBOI can access as of June 30.

Level 2: Prices are determined using inputs, other than quoted prices included within Level 1, which are observable for an asset or liability, either directly or indirectly. These inputs can include quoted prices for similar assets or liabilities in active or inactive markets, or market-corroborated inputs.

Level 3: Prices determined using unobservable inputs, which generally results in MBOI using the best information available and may include the MBOI's own data.

MBOI has cash and cash equivalents measured at cost. Other investments are measured at cost or net asset value (NAV) by MBOI.

Within SMA, the *PERS-DCRP Disability OPEB* trust fund invests in commingled equity index funds, recorded under *Commingled Equity Securities* in the financial statements. These SMA investment returns vary depending on the account specific investment allocations and the cash flows in and out of the account during the period.

The **Investment Risks** for the pooled investments and the SMA investments, in which the PERB participates in, are described in the following paragraphs. Investments are administered by MBOI, for the PERB, as part of the State of Montana's Unified Investment Program. The MBOI Board approves all Investment Policy Statements (IPS) and is responsible for setting investment risk policies. MBOI's stand-alone financial statements detail the investment risks associated with the securities held by the pools.

The CAPP as an internal investment pool, STIP as an external investment pool, and participant SMA investments, are subject to an element of risk in all risk categories, with the exception of CAPP having the only risk in foreign currency.

Custodial Credit Risk - Custodial credit risk is the risk that, in the event of the failure of the counterparty to a transaction, the MBOI will not be able to recover the value of the investment or collateral securities that are in the possession of an outside party. Per policy, the Board's custodial bank must be rated at a minimum at the sixth highest investment grade rating by at least two Nationally Recognized Rating Organizations (NRSROs) on an annual basis. As of June 30, 2023, all investments were recorded under the MBOI's name at their custodial bank. Therefore, MBOI is not subject to custodial credit risk.

Concentration of Credit Risk - Concentration of credit risk is the risk of loss attributable to the magnitude of any single investment per issuer name. Investments explicitly guaranteed by the U.S. Government are excluded from the concentration of credit risk requirement. Concentration of credit risk is addressed within all IPS's as set by the MBOI.

The STIP IPS limits concentration of credit risk exposure by limiting portfolio investment types to 3% in any issuer except for U.S. Treasury and U.S. Agency securities as well as any repurchase agreements with a financial institution.

## FINANCIAL SECTION

**Credit Risk** - Credit risk is defined as the risk that an issuer or other counter-party to an investment will not fulfill its obligation. With the exception of U.S. Government securities, the fixed income instruments in the investment pools and SMA have credit risk as measured by NRSRO ratings. Credit risk is contemplated for each individual portfolio in the IPS.

**Foreign Currency Risk** - Foreign currency risk is the risk that changes in the exchange rates will adversely affect the fair value of an investment. Per MBOI policy, there are maximum restrictions that can be held on non-U.S. securities in a foreign currency and only CAPP is allowed to have foreign currency exposure.

**Interest Rate Risk** - Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. The MBOI uses for CAPP and SMA the effective duration as a measure of interest rate risk for all fixed income portfolios and STIP uses the weighted average maturity (WAM).

According to the STIP investment policy “the STIP portfolio will minimize interest rate risk by:

- structuring the investment portfolio so securities mature to meet cash requirements for ongoing operations thereby normally avoiding the need to sell securities on the open market prior to maturity;
- maintaining a dollar-weighted average portfolio maturity (WAM) of 120 days or less (for this purpose, the date to the next coupon reset date will be used for all floating or variable rate securities), and
- STIP will maintain a reserve account.”

The PERB’s investments subject to credit and interest rate risk at June 30, 2023 are categorized in the table below. Credit risk is disclosed using the weighted credit quality rating by investment type. Interest rate risk is disclosed using weighted effective duration.

Investment	Fair Value 6/30/2023	Credit Quality Rating <sup>1</sup> 6/30/2023	Effective Duration 6/30/2023
CAPP	\$ 9,142,411,863	N/R	N/A
STIP	\$ 94,127,284	N/R	57 days WAM <sup>2</sup>
SMA <sup>3</sup>	\$ 7,859.807	N/R	N/A

<sup>1</sup>CAPP and SMA have security investment types that are rated for credit and interest rate risk as of June 30, 2023, refer to MBOI's UIP Financial Statements and IPSs for the investment types that are involved.  
<sup>2</sup>Weighted Average Maturity (WAM).  
<sup>3</sup>PERS-DCRP Disability OPEB is invested in the Separately Managed Accounts (SMA).

Although CAPP and STIP investments have been rated by investment security type, CAPP, as an internal investment pool, and STIP, as an external investment pool, have not been rated. The SMA investment is in a mutual fund as of June 30, 2023, as such, MBOI does not calculate a credit quality nor duration on mutual funds.

**Securities Lending Collateral**, governed under the provisions of state statutes, MBOI authorized the custodial bank, State Street Bank, to lend MBOI’s securities to broker-dealers and other entities with a simultaneous agreement to return the collateral for the same securities in the future. The

custodial bank is required to maintain minimum collateral requirements based on contractual requirements. On any day, including June 30th, the markets may move in a positive or negative direction resulting in under or over collateralization. The custodial bank compensates for market movement by recalculating on the following business day to meet the collateralization requirements. MBOI and the custodial bank split the earnings, 85% and 15% respectively, on security lending activities. MBOI retains all rights and risks of ownership during the loan period. The custodial bank indemnifies the MBOI's credit risk exposures to the borrowers. The custodial bank cannot sell collateral securities unless the borrower defaults. For PERB, CAPP and SMA participate in the security lending.

The custodial bank loaned the MBOI's public securities and received as collateral the following instruments of cash (U.S. and foreign currency), securities issued or guaranteed by the United States government, debt, bonds, U.S. and non-U.S. equities and certificates of deposit.

There were no restrictions imposed on the number of securities available to lend during the fiscal year. There were no failures by any borrowers to return loaned securities or pay distributions thereon during the period that result in a declaration and note of default of the borrower. There were no losses during the fiscal year resulting from a borrower default. As of June 30, 2023, no securities were recalled and not yet returned.

The collateral received under securities lending agreements where the pools and SMA can spend, pledge, or sell collateral without borrower default is included in the Statement of Fiduciary Net Position. Liabilities resulting from these transactions are also included in the Statement of Fiduciary Net Position. Costs associated with the securities lending transactions, including broker commissions, and lending fees paid to custodians are reported in the Statement of Changes in Fiduciary Net Position. Securities lending income reported for the fiscal year was \$5.0 million, and expenses were \$3.1 million.

### **Stable Value - Montana Fixed Fund**

The Montana Fixed Fund is a stable value investment option of the PERS-DCRP and the deferred compensation plan. It is administered through outside vendors, the stable value manager Pacific Investment Management Company LLC (PIMCO); the custodial bank, State Street Bank and Trust Company (State Street); and third-party synthetic Guaranteed Interest Contract (GIC) providers - Transamerica Life Insurance Company (Transamerica), Prudential Insurance Company of America (Prudential) and Voya Retirement Insurance and Annuity Company (Voya). The Montana Fixed Fund (the "Fund") employs a synthetic stable value strategy in which the stable value manager, PIMCO, manages a diversified bond portfolio and third-party insurers, Transamerica, Prudential, and Voya ("GIC Providers") promise to repay participants' principal investments, plus earnings in accordance with terms of the respective synthetic GIC contracts issued to the PERS-DCRP and deferred compensation plan for the Fund. Transamerica, Prudential, and Voya calculate a rate of interest to be applied to the contract value of the synthetic GIC for each calendar quarter called the "crediting rate", which helps smooth participants' earnings over time. The crediting rates are based on the investment manager's portfolio market value, yield, and duration in accordance with the terms of the respective contracts with the GIC providers. In addition to the synthetic GICs, the Fund's structure incorporates a money market-like liquidity strategy, and the custodial bank calculates a blended return of the individual crediting rates and the liquidity strategy for member

## FINANCIAL SECTION

investments. The custodial bank also calculates a Net Asset Value (NAV) that is based on the value invested in the GIC contracts, plus earning, and the liquidity strategy.

The PERS-DCRP and deferred compensation plans' stable value investments are determined by the plan accountant to be fully benefit responsive and measured at contract value. They do not participate in fair value changes.

All money invested in the Montana Fixed Fund of the PERS-DCRP and deferred compensation plan are held in a Pooled Trust. The Pooled Trust qualifies as a group trust under sections 401(a), including section 401(a)(24) and 501(a) of the Internal Revenue Code (IRC) of 1986, as amended. The Pooled Trust assets are invested by PIMCO and are held under a custodial agreement with State Street. The Pooled Trust assets are invested by PIMCO based on an investment guideline schedule described in the Montana Fixed Fund investment policy established by the PERB. Additional investment constraints are contained in the investment management agreement between PERB and PIMCO, and within the respective contracts issued by each GIC provider to the Pooled Trust. PERB's stand-alone investment policies for the Defined Contribution and Deferred Compensation (457(b)) plan, as well as the stable value options offered within each plan, may be obtained from the Public Employees' Retirement Board, 110 N. Park Avenue, 2nd Floor, P.O. Box 200131, Helena, MT 59620-0131 or PERB's website <https://mpera.mt.gov/Board/boardpolicies>.

The Montana Fixed Fund is subject to investment risks associated with synthetic GIC contracts and with the bond portfolio managed by PIMCO. These risks may include, but are not limited to, the following:

Credit Risk: Credit risk is the chance that bond issuer will fail to pay interest and principal in a timely manner or that negative perceptions of the issuer's ability to make such payments will cause the price of the bond to decline. Except for the U.S. Government securities, fixed income instruments have credit risk as measured by major credit rating services. Obligations of the U.S. Government or obligations explicitly guaranteed by the U.S. Government are not considered to have credit risk and do not require disclosure of credit quality. The total investments credit quality rating for Montana Fixed Fund is AA.

Interest Rate Risk: Interest rate risk is the chance that bond prices overall will decline because of rising interest rates. The bond account has low to moderate interest rate risk as it invests primarily in short-term and intermediate-term bonds, whose prices are less sensitive to interest rate changes than are the prices of long-term bonds. As of June 30, 2023, in accordance with GASB Statement No. 40, PIMCO has selected the effective duration method to disclose interest rate risk. The total effective duration for Montana Fixed Funds fixed income investments, as of June 30, 2023, is 3.80.

Foreign Currency Risk: Currency risk is the chance that the value of a foreign investment, measured in U.S. dollars, will decrease because of unfavorable changes in currency exchange rates. The Montana Fixed Fund may include securities subject to foreign currency risk.

Default Risk: Default risk is the chance that companies, or individuals will be unable to make the required payments on their debt obligations. With the Montana Fixed Fund being a separately

managed account for the benefit of MPERA participants, means that all risks in the account as well as gains and losses related to assets in the account are borne by individual participants.

**Derivative Risk:** Derivative risk arises when the underlying fund invests in derivatives, which may involve risks different from, and possibly greater than, those of investments directly in the underlying securities or assets. The Montana Fixed Fund may include derivatives subject to derivative risk.

**GIC Contract Risk:** GICs are issued by insurance companies, banks, and other financial institutions and are intended to help reduce the volatility of any associated fixed income investments. These investment contracts include terms and conditions that can cause withdrawals or transfers from the investment contracts to occur at the lower of the contract's value or the value of the associated fixed income investments. Examples of these terms include, but are not limited to: (1) a withdrawal from the contract or plan not in accordance with its stated withdrawal provisions; (2) the plan fails to be administered in accordance with the plan documents; (3) an event or condition such as the plan's change of control, termination, insolvency, loss of its tax-exempt status, change in laws or accounting rules applicable to plan; or (4) other events resulting in a material and adverse financial impact on the contract issuer as may be set out in the specific contract, such as changes in the tax code or applicable laws or regulations. Also, the contract counterparty could default, become insolvent, file for bankruptcy protection, or otherwise be deemed by the plan's auditor to no longer be financially responsible. There are a limited number of investment contract providers and, due to market conditions or other factors, enough contracts may not be available to obtain the desired amount of coverage.

**Variable Investments** for the PERS-DCRP and deferred compensation plan are held and managed in a selection of retail and institutional mutual funds, which cover all standard asset classes and categories. The selection of offered mutual funds is designed to provide participants with the ability to diversify investments and meet their individual investment goals and strategies. With advice from an independent investment analyst and assistance from the statutorily created Employee Investment Advisory Council (EIAC), the PERB conducts annual reviews of the offered mutual funds. The goal of the reviews is to ensure that the offered mutual funds meet standards established in the Investment Policy Statements adopted by the PERB. Each investment alternative is compared to its peers and an appropriate benchmark.

### **Life Insurance Investment Option**

Deferred Compensation plan participants previously had the option to direct a portion of their deferrals to a term life insurance policy provided through Allianz Life Insurance. The ability to invest in life insurance is allowed under the IRC and was offered to plan participants prior to life insurance being offered as a standard component of health insurance benefit packages. This investment option has been discontinued; however, plan participants who had previously elected this option may continue.

Available investment options in the PERS-DCRP and deferred compensation plan are listed on page 97. A current listing may also be obtained by contacting MPERA.

## FINANCIAL SECTION

The defined benefit investments, the defined contribution investments and the deferred compensation plan investments are valued as follows and on the next two pages as of June 30, 2023.

### PERB Defined Benefit Investments Measured at Fair Value

	Fair Value Measurements Using			
	June 30, 2023	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable (Level 3)
Investments by fair value level				
Commingled Equity Securities <sup>1</sup>	\$ 7,859,807	\$ 7,859,807		
Total Investments by fair value level	<u>\$ 7,859,807</u>	<u>\$ 7,859,807</u>		
<u>Investments measured at the net asset value (NAV)</u>				
CAPP Investment Pool	\$ 9,142,411,863			
Short-Term Investment Pool (STIP)	94,127,284			
Total investments measured at the NAV	<u>9,236,539,147</u>			
Total investments measured at fair value	<u>\$ 9,244,398,954</u>			

<sup>1</sup>The DC Disability OPEB trust fund is invested in commingled equity index funds measured at the Level 1 category in the fair value hierarchy.

### PERB Defined Benefit Investments Measured at Net Asset Value (NAV)

	June 30, 2023			
	Fair Value	Unfunded Commitments	Redemption Frequency (If Currently Eligible)	Redemption Notice Period
CAPP Investment Pool	\$ 9,142,411,863		Monthly, quarterly	45-90 days
Short-Term Investment Pool (STIP)	94,127,284		Daily	1 - 3 days
Total investments measured at the NAV	<u>\$ 9,236,539,147</u>			

**PERB Defined Contribution Investments**

Investments measured at the net asset value (NAV) <sup>1</sup>	June 30, 2023
Montana Fixed Fund (Stable Value Pool) <sup>2</sup>	\$ 25,084,079
Variable Pooled Investments <sup>3</sup>	395,748,335
Short-Term Investment Pool <sup>4</sup>	3,728,172
Total investments measured at the NAV	\$ 424,560,586
Total investments measured at fair value	\$ 424,560,586

<sup>1</sup> All investments are pooled and measured at net asset value (NAV) and not within the fair value level hierarchy.

<sup>2</sup> The Montana Fixed Fund is a stable value option that invests in cash, other liquid investments, and synthetic Guaranteed Investment Contract (GICs) that are fully benefit-responsive and is reported at contract value.

<sup>3</sup> The Variable Pooled Investments are all mutual funds measured at Net Asset Value (NAV).

<sup>4</sup> Short-Term Investment Pool (STIP) is an external investment pool managed and administered through Montana Board of Investments (MBOI) and fair values are determined using the Net Asset Value (NAV) per share for the investment.

**PERB Defined Contribution Investments  
Measured at Net Asset Value**

	June 30, 2023			
	Fair Value	Unfunded Commitments	Redemption Frequency (If Currently Eligible)	Redemption Notice Period
Montana Fixed Fund (Stable Value Pool) <sup>1</sup>	\$ 25,084,079		Daily	None
Variable Pooled Investments <sup>2</sup>	395,748,335		Daily	None
Short-Term Investment Pool <sup>3</sup>	3,728,172		Daily	1 - 3 days
Total investments measured at the NAV	\$ 424,560,586			

<sup>1</sup> The Montana Fixed Fund is a stable value option that invests in cash, other liquid investments, and synthetic Guaranteed Investment Contracts (GICs) that are fully benefit-responsive and are reported at contract value.

<sup>2</sup> The Variable Pooled Investments are all mutual funds measured at Net Asset Value (NAV).

<sup>3</sup> Short-Term Investment Pool (STIP) is an external investment pool managed and administered through Montana Board of Investments (MBOI).

The fair values are determined using the Net Asset Value (NAV) per share for the investment.

**PERB Deferred Compensation (457(b)) Plan Investments**

Investments measured at the net asset value (NAV) <sup>1</sup>	June 30, 2023
Montana Fixed Fund (Stable Value Pool) <sup>2</sup>	\$ 197,940,611
Variable Pooled Investments <sup>3</sup>	401,026,856
Short-Term Investment Pool <sup>4</sup>	1,058,528
Allianz Life Insurance Investment <sup>5</sup>	3,617
Total investments measured at the NAV	\$ 600,029,612
Total investments measured at fair value	\$ 600,029,612

<sup>1</sup> All investments are pooled and measured at net asset value (NAV) and not within the fair value level hierarchy.

<sup>2</sup> The Montana Fixed Fund is a stable value option that invests in cash, other liquid investments, and synthetic Guaranteed Investment Contract (GICs) that are fully benefit-responsive and is reported at contract value.

<sup>3</sup> The Variable Pooled Investments are all mutual funds measured at Net Asset Value (NAV).

<sup>4</sup> Short-Term Investment Pool (STIP) is an external investment pool managed and administered through Montana Board of Investments (MBOI) and fair values are determined using the Net Asset Value (NAV) per share for the investment.

<sup>5</sup> Term life insurance policy investment option provided through Allianz Life Insurance. This option was offered to deferred compensation plan participants prior to life insurance being offered as a standard component of health insurance benefit packages. This investment option has been discontinued; however, plan participants who had previously elected this option may continue.

**PERB Deferred Compensation (457(b)) Plan Investments  
Measured at Net Asset Value**

June 30, 2023

	Fair Value	Unfunded Commitments	Redemption Frequency (If Currently Eligible)	Redemption Notice Period
Montana Fixed Fund (Stable Value Pool) <sup>1</sup>	\$ 197,940,611		Daily	None
Variable Pooled Investments <sup>2</sup>	401,026,856		Daily	None
Short-Term Investment Pool <sup>3</sup>	1,058,528		Daily	1 - 3 days
Allianz Life Insurance Investment <sup>4</sup>	3,617			
Total investments measured at the NAV	\$ 600,029,612			

<sup>1</sup> The Montana Fixed Fund is a stable value option that invests in cash, other liquid investments, and synthetic Guaranteed Investment Contracts (GICs) that are fully benefit-responsive and are reported at contract value.

<sup>2</sup> The Variable Pooled Investments are all mutual funds measured at Net Asset Value (NAV).

<sup>3</sup> Short-Term Investment Pool (STIP) is an external investment pool managed and administered through Montana Board of Investments (MBOI).

<sup>4</sup> Term life insurance policy investment option provided through Allianz Life Insurance. This option was offered to deferred compensation plan participants prior to life insurance being offered as a standard component of health insurance benefit packages. This investment option has been discontinued; however, plan participants who had previously elected this option may continue.

The fair values are determined using the Net Asset Value (NAV) per share for the investment.

**NOTE B. LITIGATION**

Each of the plans administered by the PERB may be involved in various claims and legal actions arising in the ordinary course of business.

***Consolidated MPERB v. Lewis and Clark County and Montana Association of Counties (MACo), Lewis and Clark County, and Cascade County V. MPERB and MPERA.*** On May 1, 2020, the MPERB filed a Complaint for Declaratory Relief in the First Judicial District against Lewis and Clark County. This complaint asks the District Court to rule that Article VIII, § 15 of the Montana Constitution vests the Montana Public Employees' Retirement Board with the authority to: 1) actuarially determine the amount of the unfunded pension liabilities attributable to a component unit of the Lewis and Clark County that has terminated its participation in a MPERB-administered defined benefit plan; and 2) compel the payment of this unfunded pension liability upon this component unit's termination. On June 1, the MPERB filed its First Amended Complaint amending its original pleading to add a claim for breach of contract.

The MACo filed a Complaint for Declaratory Judgment, Injunctive Relief, and a Writ of Prohibition against the MPERB and MPERA in the First Judicial District Court of Lewis and Clark County related to the same underlying issue that caused MPERA to initiate its action against Lewis and Clark County. This Complaint asked the District Court to rule that: 1) Article VIII, § 15 of the Montana Constitution does not vest the MPERB with the authority to determine and collect unfunded pension liabilities owed to the PERS trust as a result of partial withdrawals of employees or reductions in force; 2) the 1947 Contract between the MPERB and Lewis and Clark County and Cascade County, as well as other similar agreements between the MPERB and all other Montana counties, does not vest the MPERB with the authority to determine and collect unfunded pension liabilities owed to the PERS trust as a result of partial withdrawals of employees or reductions in force; 3) MACo is entitled to a preliminary and permanent injunction enjoining the MPERB from assessing withdrawal penalties against Montana counties; and 4) MACo is entitled to a Writ of Prohibition barring the MPERB from assessing withdrawal penalties against Montana counties. On May 15, 2020, MACo filed a First Amended Complaint and added the additional parties of Lewis and Clark County and Cascade County to this action as plaintiffs as well as additional claims for breach of express and implied contract.

On May 13, 2020, Lewis and Clark County filed a motion to dismiss the MPERB's Complaint and followed that on June 18, 2020, with a motion to dismiss MPERB's 1st Amended Complaint. Likewise, on June 25, 2020, the MPERB filed a motion to dismiss, or in alternative a motion for partial summary judgement, several of the counts in the MACo suit. Both cases were subsequently consolidated into a single action by the Court on February 22, 2021.

On February 1, 2022, the district court ruled on respective motions of the parties. In the only real narrowing of the case, the District Court cited statute that the State cannot be held liable under theories of implied contract to dismiss the counties' claim against the MPERB for breach of the covenant of good faith and fair dealing. The parties filed their respective answers on February 25, 2022, and are now conducting discovery.

## FINANCIAL SECTION

In the opinion of management and legal counsel, the disposition of unfunded actuarial accrued liabilities owed to PERS in the consolidated Lewis and Clark County and the Montana Association of Counties (MACo) case, will have a material, adverse effect on the PERS plan's financial position as a whole should the Court rule against MPERA and the MPERB. An estimate of the potential liability for the Lewis and Clark County and MACo case cannot presently be made.

### NOTE C. PLAN DESCRIPTIONS, MEMBERSHIP CONTRIBUTION INFORMATION

The plans are established and amended statutorily by the Legislature. In all defined benefit plans (except VFCA), if a member leaves covered employment before retirement, the member contributions plus accrued interest (accumulated contributions) may be refunded to the member. If a member returns to service and repays the withdrawn accumulated contributions plus the interest the accumulated contributions would have earned had they remained on deposit, service credit is restored.

## DEFINED BENEFIT RETIREMENT PLANS

### PLAN DESCRIPTIONS

#### Public Employees' Retirement System-DBRP (PERS-DBRP)

The PERS-Defined Benefit Retirement Plan (DBRP) is a multiple-employer, cost-sharing plan established July 1, 1945, and governed by Title 19, chapters 2 & 3, Montana Code Annotated (MCA). This plan covers the State, local governments, certain employees of the Montana University System and school districts.

All new members are initially members of the PERS-DBRP and have a 12-month window during which they may choose to remain in the PERS-DBRP or join the PERS-DCRP by filing an irrevocable election. Members may not be members of both the defined benefit and defined contribution retirement plans. All new members from the universities also have a third option to join the university system's Montana University System Retirement Program (MUS-RP).

The PERS-DBRP provides retirement, disability, and death benefits to plan members and their beneficiaries. Benefits are established by state law and can only be amended by the Legislature. Benefits are based on eligibility, years of service, and highest average compensation. Member rights are vested after five years of service.

*Public Employees' Retirement System-DBRP Education Fund:* Education is provided to all members of the PERS regardless of plan choice as governed by section 19-3-112, MCA. The education must be presented with impartial and balanced information about plan choices, investments, and retirement planning.

The education program consists of ongoing transfer education for new members and investment/retirement planning education for all active members.

*Plan Membership Elections:* MPERA has included in the financial statements \$2,180,969 in *Transfers to Defined Contribution Retirement Plan (DCRP)* and \$328,675 in *Transfers to Montana University System - Retirement Plan (MUS-RP)*. These transfers reflect the DCRP and MUS-RP contributions of participants that filed elections during fiscal year 2023.

### **Public Employees' Retirement System - DCRP Disability OPEB (DCRP Disability OPEB)**

The DCRP Disability OPEB is considered a cost-sharing multiple-employer plan that provides an other post-employment defined benefit for the PERS-DCRP members.

All new PERS members are initially members of the PERS-DBRP and have a 12-month window during which they may choose to remain in the PERS-DBRP or join the PERS-DCRP by filing an irrevocable election. Members may not be members of both the defined benefit and defined contribution retirement plans. The PERS-DCRP provides disability benefits to eligible members who elect the PERS-DCRP.

The DCRP Disability OPEB Trust Fund was established on July 1, 2002, and is governed by section 19-3-2141, MCA. Benefits of this long-term disability plan are established by state law and can only be amended by the Legislature. This benefit is based on eligibility, years of service, and compensation. Member rights are vested after five years of service.

As of June 30, 2023, there are seven members receiving a benefit from the disability plan, three less than as of June 30, 2022.

### **Judges' Retirement System (JRS)**

The JRS is a single-employer defined benefit plan established in 1967, and governed by Title 19, chapters 2 & 5 of the MCA. This plan provides benefits for all Montana judges of the district courts, justices of the Supreme Court, the Chief Water Judge and the Associate Water Judge. Benefits are established by state law and can only be amended by the Legislature. The JRS provides retirement, disability, and death benefits to plan members and their beneficiaries. Benefits are based on eligibility, years of service, and compensation. Member rights are vested after five years of service.

### **Highway Patrol Officers' Retirement System (HPORS)**

The HPORS is a single-employer, defined benefit plan established July 1, 1945, and governed by Title 19, chapters 2 & 6 of the MCA. This plan provides retirement benefits to all members of the Montana Highway Patrol, including supervisory personnel. Benefits are established by state law and can only be amended by the Legislature. The HPORS provides retirement, disability, and death benefits to plan members and their statutory beneficiaries. Benefits are based on eligibility, years of service, and highest average compensation. Member rights for death and disability are vested immediately. All other rights are vested after five or ten years of service.

## FINANCIAL SECTION

*HPORS Deferred Retirement Option Program (DROP):* Eligible members of HPORS can participate in the DROP by filing a one-time irrevocable election with the PERB. The DROP is governed by Title 19, chapter 6, part 10. A member must have completed at least twenty years of membership service to be eligible. The member may elect to participate in the DROP for a minimum of one month and a maximum of 60 months and may participate in the DROP only once. A participant remains a member of the HPORS but will not receive membership service or service credit in the system for the duration of the member's DROP period. During participation in the DROP, all mandatory contributions continue to the retirement system, except the member contribution which goes to the member's DROP account. A monthly benefit is calculated based on salary and years of service to date as of the beginning of the DROP period. The monthly benefit is paid into the member's DROP account until the end of the DROP period. At the end of the DROP period, the participant may receive the balance of the DROP account in a lump-sum payment or in a direct rollover to another eligible plan, as allowed by the IRS. If the participant continues employment after the DROP period ends, they will again accrue membership service and service credit. The DROP account cannot be distributed until the employment is formally terminated. As of June 30, 2023, there were 16 DROP participants. Since program inception, a total of 39 members have participated in the DROP. The balance of the DROP accounts is \$6.9 million.

### **Sheriffs' Retirement System (SRS)**

The SRS is a multiple-employer, cost-sharing defined benefit plan established July 1, 1974, and governed by Title 19, chapters 2 & 7, MCA. This plan provides retirement benefits to all Department of Justice criminal and gambling investigators hired after July 1, 1993, all detention officers hired after July 1, 2005, and to all Montana sheriffs. Benefits are established by state law and can only be amended by the Legislature. The SRS provides retirement, disability, and death benefits to plan members and their beneficiaries. Benefits are based on eligibility, years of service, and highest average compensation. Member rights are vested after five years of service.

### **Game Wardens' and Peace Officers' Retirement System (GWPORS)**

The GWPORS is a multiple-employer, cost-sharing defined benefit plan established in 1963 and governed by Title 19, chapters 2 & 8, MCA. This plan provides retirement benefits to all persons employed as a game warden, warden supervisory personnel, or state peace officer. Benefits are established by state law and can only be amended by the Legislature. The GWPORS provides retirement, disability, and death benefits to plan members and their beneficiaries. Benefits are based on eligibility, years of service, and highest average compensation. Member rights are vested after five years of service.

### **Municipal Police Officers' Retirement System (MPORS)**

The MPORS is a multiple-employer, cost-sharing defined benefit plan established in 1974 and is governed by Title 19, chapters 2 & 9 of the MCA. This plan covers all municipal police officers employed by first- and second-class cities and other cities that adopt the plan. Benefits are established by state law and can only be amended by the Legislature. The MPORS provides retirement, disability, and death benefits to plan members and their statutory beneficiaries. Benefits

are based on eligibility, years of service, and compensation. Member rights for death and disability are vested immediately. All other rights are vested after five years of service.

***MPORS Deferred Retirement Option Plan (DROP):*** Eligible members of MPORS can participate in the DROP by filing a one-time irrevocable election with the PERB. The DROP is governed by Title 19, chapter 9, part 12, MCA. A member must have completed at least twenty years of membership service to be eligible. They may elect to participate in the DROP for a minimum of one month up to a maximum of 60 months and may participate in the DROP only once. A participant remains a member of the MPORS but will not receive membership service or service credit in the system for the duration of the member's DROP period. During participation in the DROP, all mandatory contributions continue to the retirement system. A monthly benefit is calculated based on salary and years of service as of the beginning of the DROP period. The monthly benefit is paid into the member's DROP account until the end of the DROP period. At the end of the DROP period, the participant may receive the balance of the DROP account in a lump-sum payment or in a direct rollover to another eligible plan, as allowed by the IRS. If the participant continues employment after the DROP period ends, they will again accrue membership service and service credit. The DROP account cannot be distributed until employment is formally terminated. As of June 30, 2023, there were 50 DROP participants. Since program inception, a total of 219 members have participated in the DROP. The balance of the DROP accounts is \$10.6 million.

### **Firefighters' Unified Retirement System (FURS)**

The FURS is a multiple-employer, cost-sharing defined benefit plan established in 1981, and governed by Title 19, chapters 2 & 13, MCA. This plan provides retirement benefits to firefighters employed by first- and second-class cities or by other cities and rural fire district departments that adopt the plan; and to firefighters hired by the Montana Air National Guard (MANG) on or after October 1, 2001. Benefits are established by state law and can only be amended by the Legislature. The FURS provides retirement, disability, and death benefits to plan members and their beneficiaries. Benefits are based on eligibility, years of service, and compensation. Member rights for death and disability are vested immediately. All other member rights are vested after five years of service.

### **Volunteer Firefighters' Compensation Act (VFCA)**

The VFCA is a multiple-employer, cost-sharing defined benefit plan. This compensation plan was established in 1965 and is governed by Title 19, chapter 17, MCA. All members are unpaid volunteers, and the State of Montana is the only contributor to the plan. Benefits are established by state law and can only be amended by the Legislature. The VFCA provides pension, disability, and survivorship benefits for all eligible volunteer firefighters who are members of qualified volunteer fire companies in unincorporated areas, towns or villages and includes volunteer fire departments, fire districts, and fire service areas under the laws of the State of Montana. Benefits are based on eligibility and years of service. Member rights are vested after ten years of credited service. VFCA also provides limited benefits for death or injuries incurred in the line of duty.

## FINANCIAL SECTION

A member who chooses to retire and draw a pension benefit may return to service with a volunteer fire department without loss of benefits. However, a returning retired member may not be considered an active member accruing credit for service.

VFCA is a qualified Length of Service Award Plan (LOSAP) under 457(e)(11)(B) of the Internal Revenue Service tax code. This is only for tax reporting purposes. This does not change any requirements of the program.

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**MEMBERS AND EMPLOYERS**

Membership in each plan as of June 30, 2023 is detailed in the following table. DROPs are included in plans as applicable. For PERS-DBRP and VFCA, inactive non-vested accounts are included. Only a Guaranteed Annual Benefit Adjustment (GABA) is included for defined benefit plans that have more than one employer and do not have a minimum benefit adjustment for retirees. Retirees are eligible for a GABA or a minimum benefit adjustment, depending on their election of GABA or Non-GABA at the time of hire.

Plan Membership as of Fiscal Year End June 30, 2023								
Type of Plan for Reporting Purposes as of Fiscal Year End June 30, 2023	Single-Employer Defined Benefit		Multi-Employer Defined Benefit					
	JRS	HPORS	PERS-DBRP	SRS	GWPORS	MPORS	FURS	VFCA
<b>Classification of Member</b>								
Active	60	235	29,622	1,543	1,017	862	826	2,510
Inactive: entitled to, but not yet receiving benefits or a refund:								
Vested	2	21	4,982	220	184	134	49	832
Non-Vested	2	47	24,636	981	593	239	106	8,464
Inactive members and beneficiaries currently receiving benefits:								
Service Retirements	69	357	24,914	837	475	900	680	1,534
Disability Retirements		4	86	31	2	27	13	1
Survivor benefits	5	9	554	23	13	28	17	6
<b>Total Membership</b>	<b>138</b>	<b>673</b>	<b>84,794</b>	<b>3,635</b>	<b>2,284</b>	<b>2,190</b>	<b>1,691</b>	<b>13,347</b>

Active Defined Benefit Membership by Employer Type						
Employer Type	PERS-DBRP		SRS		GWPORS	
	2023	2022	2023	2022	2023	2022
<b>As of Fiscal Year End June 30,</b>						
State Agencies	10,045	9,709				
Department of Justice			71	69		
Department of Corrections					729	688
Department Fish, Wildlife & Parks					116	112
Department of Livestock					44	49
Department of Transportation					84	86
Counties	5,568	5,457	1,472	1,412		
Cities and Towns	3,834	3,638				
Colleges and Universities	2,897	2,638			44	42
School Districts	5,907	5,745				
High Schools	70	73				
Other Agencies	1,301	1,248				
<b>Total</b>	<b>29,622</b>	<b>28,508</b>	<b>1,543</b>	<b>1,481</b>	<b>1,017</b>	<b>977</b>

Active Defined Benefit Membership by Employee Type								
Employee Type	JRS		HPORS		MPORS		FURS	
	2023	2022	2023	2022	2023	2022	2023	2022
<b>As of Fiscal Year End June 30,</b>								
GABA	58	57	235	252	860	837	824	747
Non-GABA	2	2			2	4	2	2
<b>Total</b>	<b>60</b>	<b>59</b>	<b>235</b>	<b>252</b>	<b>862</b>	<b>841</b>	<b>826</b>	<b>749</b>

## FINANCIAL SECTION

Participating Defined Benefit Employers										
Employer Type	PERS-DBRP		SRS		GWPORS		MPORS		FURS	
As of Fiscal Year End June 30,	2023	2022	2023	2022	2023	2022	2023	2022	2023	2022
State Agencies	33	33	1	1	4	4			1	1
Counties	55	55	56	56						
Cities and Towns	99	99					36	36	15	15
Colleges and Universities	5	5			3	3				
School Districts	242	243								
High Schools	5	5								
Other Agencies	112	113							12	11
<b>Total</b>	<b>551</b>	<b>553</b>	<b>57</b>	<b>57</b>	<b>7</b>	<b>7</b>	<b>36</b>	<b>36</b>	<b>28</b>	<b>27</b>

In the above table, the State Agency for SRS is the Department of Justice. The State Agencies for GWPORS are Department of Corrections, Department of Fish, Wildlife & Parks, Department of Livestock, and Department of Transportation. The State Agency for FURS is the Department of Military Affairs. JRS and HPORS are not listed as they have one employer each. JRS includes the State Agency - Supreme Court and HPORS includes the State Agency - Department of Justice.

HPORS DROP Participation		
As of June 30,	2023	2022
Participants Beginning of Year	13	18
Participants Added	5	2
Completed DROP	2	7
Participants End of Year	16	13
DROP Distributions	\$588,434	\$1,390,442

MPORS DROP Participation		
As of June 30,	2023	2022
Participants Beginning of Year	55	54
Participants Added	7	11
Completed DROP	12	10
Participants End of Year	50	55
DROP Distributions	\$2,214,839	\$2,142,204

The active membership and participating employers for **PERS-DCRP Disability OPEB** are represented in the following tables:

PERS-DCRP PARTICIPATING EMPLOYERS		
Employers	June 30, 2023	June 30, 2022
State Agencies	33	33
Counties	53	53
Cities and Towns	62	61
Universities	5	5
School Districts	136	137
High Schools	4	4
Other Agencies	55	51
<b>Total</b>	<b>348</b>	<b>344</b>

PERS-DCRP Active Membership by Employer Type		
Employer Type	June 30, 2023	June 30, 2022
State Agencies	1,599	1,603
Counties	574	551
Cities and Towns	423	419
Universities	169	167
High Schools	6	5
School Districts	392	400
Other Agencies	243	241
<b>Total</b>	<b>3,406</b>	<b>3,386</b>

**FY 2023 Schedule of Contribution Rates**

<b>System</b>	<b>Member</b>	<b>Employer</b>	<b>State</b>
<b>PERS-DBRP</b>	<b>7.9%</b> [19-3-315(1)(a), MCA]	<b>9.07%</b> State & University <b>8.97%</b> Local Governments <b>8.7%</b> School Districts (K-12) [19-3-316, MCA]	<b>0.1%</b> of Local Government payroll – paid from the General Fund <b>0.37%</b> School Districts (K-12) payroll – paid from the General Fund [19-3-319, MCA]
<b>PERS-DCRP</b>	<b>7.9%</b> [19-3-315(1)(a), MCA]	<b>9.07%</b> State & University <b>8.97%</b> Local Governments <b>8.7%</b> School Districts (K-12) [19-3-316, MCA]	<b>0.1%</b> of Local government payroll – paid from the General Fund <b>0.37%</b> School Districts (K-12) payroll – paid from the General Fund [19-3-319, MCA]
<b>PERS-DCRP Disability OPEB</b>		<b>0.3%</b> - an allocation of the DCRP employer contribution [19-3-2117, MCA]	
<b>JRS</b>	<b>7.0%</b> [19-5-402, MCA]	<b>0%</b> [19-5-404, MCA]	
<b>HPORS</b>	<b>13.0%</b> - hired prior to 7/01/97 & not electing GABA <b>13.05%</b> - hired after 6/30/97 & members electing GABA [19-6-402, MCA]	<b>28.15%</b> [19-6-404(1), MCA]	<b>10.18%</b> of salaries – paid from the General Fund [19-6-404(2), MCA]
<b>SRS</b>	<b>10.495%</b> [19-7-403, MCA]	<b>13.115%</b> [19-7-404, MCA]	
<b>GWPORS</b>	<b>10.56%</b> [19-8-502, MCA]	<b>9.0%</b> [19-8-504, MCA]	
<b>MPORS</b>	<b>7.0%</b> - hired after 6/30/75 & prior to 7/1/79 & not electing GABA [19-9-710(1)(a), MCA] <b>8.5%</b> - hired after 6/30/79 and prior to 7/1/97 & not electing GABA [19-9-710(1)(b), MCA] <b>9.0%</b> - hired after 6/30/97 & members electing GABA [19-9-710(1)(c), MCA & 19-9-710(2), MCA]	<b>14.41%</b> [19-9-703, MCA]	<b>29.37%</b> of salaries – paid from the General Fund [19-9-702, MCA]
<b>FURS</b>	<b>9.5%</b> - hired prior to 7/1/97 & not electing GABA [19-13-601(2)(a), MCA] <b>10.7%</b> - hired after 06/30/97 & members electing GABA [19-13-601(2)(b), MCA]	<b>14.36%</b> [19-13-605, MCA]	<b>32.61%</b> of salaries – paid from the General Fund [19-13-604, MCA]
<b>VFCA</b>			<b>5.0%</b> of fire insurance premium tax, paid from the General Fund [19-17-301, MCA]

## FINANCIAL SECTION

### CONTRIBUTIONS

Member and employer contribution rates are established by state law and may be amended only by the Legislature.

**Member contributions** are deducted from each member's salary and remitted by participating employers. An individual account is established for each member's contributions and interest allocations until a request for retirement or refund is processed.

- For **PERS-DBRP**, the 7.9% member contributions will be decreased to 6.9% on January 1 following actuary valuation results that show the amortization period has dropped below 25 years and would remain below 25 years following the reduction of both the additional employer and additional member contribution rates. There will be no reduction to the member contributions on January 1, 2024, due to the amortization period being 28 years at June 30, 2023.
- The **PERS-DBRP** employee education program is funded by 0.04% of the employer's contributions.
- For **HPORS**, **MPORS** and **FURS**, member contribution rates are dependent upon date of hire as a highway patrol officer, police officer, and firefighter, respectively.

**Employer contributions** for **PERS-DBRP** temporarily increased 1.0%, effective July 1, 2013. Further, employer contributions increase an additional 0.1% a year over 10 years beginning July 1, 2014, through 2024. The employer additional contributions, including the 0.27% added in 2007 and 2009, terminate on January 1 following actuary valuation results that show the amortization period has dropped below 25 years and would remain below 25 years following the reduction of both the additional employer and member contribution rates. Based on the June 30, 2023 actuarial valuation, the additional contributions will not be terminated on January 1, 2024.

- For **PERS-DBRP** (§19-3-1106, MCA), **HPORS** (§19-6-1101, MCA), **GWPORS** (§19-8-1201, MCA), **SRS** (§19-7-1101, MCA), **MPORS** (§19-9-1301), and **FURS** (§19-13-1101, MCA), employer contributions are required to be paid on working retiree compensation. Member contributions are not required for working retirees.
- Under section 19-3-2117, MCA the employers are the only contributors to the **DCRP Disability OPEB**. The employer contribution rate is 0.30% of a DCRP member's compensation, which is allocated to the long-term disability plan trust fund to provide disability benefits to eligible DCRP members.
- For the **JRS**, during the 2021 Legislative Session, Senate Bill 175 was passed temporarily suspending the employer contributions beginning the first full pay period occurring in July 2021 through the last full pay period occurring in June 2023.

During the 2023 Legislative Session, House Bill 569 was passed continuing with the 0% employer contribution for **JRS** through June 30, 2024.

- For the **SRS**, during the 2017 Legislative Session, House Bill 383 was passed temporarily increasing both the employee and employer contributions. Effective July 1, 2017, the employee contributions increased from 9.245% to 10.495%. The employer had an additional contribution increase of 3%, from 0.58% to 3.58%, for a total employer contribution rate of 13.115%. The employee contributions will return to 9.245% and the employer contributions will return to 9.535% when reducing the employee contribution and terminating the additional employer contributions will not cause the amortization period to exceed 25 years. These rates will continue through June 30, 2024.
- During the 2023 Legislative Session, House Bill 569 was passed increasing the employer contribution rate in **GWPORS** to 10.56% from 9.0%. This increase is effective July 1, 2023 through June 30, 2024.
- During the 2023 Legislative Session, House Bill 569 was passed creating a layered amortization policy using closed amortization periods for legacy and contemporary unfunded liabilities in statute for the **JRS** beginning July 1, 2023 and the **SRS**, **GWPORS**, and **HPORS** systems beginning July 1, 2024. Contemporary liabilities must be paid off using a closed amortization schedule of 25 years and any new contemporary liabilities accrued from year-to-year must be paid off using a closed amortization schedule of 10 years using an actuarially determined employer contribution (ADEC) rate calculated by the Board’s actuary at each annual valuation. Further, any increase in ADEC rates within each of these systems is capped at 0.5% of the previous year’s rate.

**Summary of Changes in Contribution Rates for fiscal year 2024 and Beyond:**

- The employer contribution rate increases on July 1, 2023, for PERS-DBRP and PERS-DCRP.
- Effective July 1, 2023, employer contributions will be 0% through June 30, 2024, for JRS. For July 1, 2024, and after, contribution rates will be actuarially determined.
- The employer contributions for GWPORS increase to 10.56% from 9.0% on July 1, 2023, through June 30, 2024. After July 1, 2024, the employer contributions will be actuarially determined for GWPORS, HPORS and SRS.

**State contributions and appropriations**

- **PERS-DBRP** receives a supplemental state appropriation from the general fund of the State of Montana. The total amount received for fiscal year 2023 was \$35.0 million. These are recorded as *State Appropriations* on the financial statements.
- For the **HPORS**, during the 2021 Legislative Session, House Bill 72 was passed for an additional funding source for the HPORS system from the Highway Patrol state special revenue account for recruitment and retention of HPORS members. Under provisions of this bill, it will transfer from the HPORS retention fund to the HPORS trust fund \$4 million by August 15, 2021, \$2 million by August 15, 2022 and \$500 thousand by August 15 for each fiscal year until the system is 100% funded. The total amount received for fiscal year 2023 was \$2 million. This is recorded as *State Appropriations* on the financial statements.

## FINANCIAL SECTION

- The State contributions for **MPORS** and **FURS**, are requested at the beginning of the fiscal year based on the previous fiscal year compensation and are due no later than November 1. The total amount received for fiscal year 2023 was \$19.6 million for MPORS and \$21.4 million for FURS. These are recorded as *State Appropriations* on the financial statements.
- The State is the only contributor to the **VFCA**. Contributions are 5% of fire insurance premium taxes collected on certain fire risks. The State Auditor makes annual payments from the general fund to the Volunteer Firefighters' Compensation Act fund. The total amount received for fiscal year 2023 was \$3.2 million and is recorded as *State Appropriations* on the financial statements.

## ADDITIONAL SERVICE PURCHASE DUE TO A REDUCTION IN FORCE

Section 19-2-706, MCA allows state and university system active employees of **PERS-DBRP**, **HPORS**, **SRS**, **GWPORS**, and **FURS** who are eligible for a service retirement and whose positions have been eliminated due to a reduction in force, to have their employer pay a portion of the total cost of purchasing up to three years of "1-for-5" additional service. The employer has up to ten years to complete payment for the service purchases and is charged the actuarially required rate of return as established by the PERB on the unpaid balance.

- The **PERS-DBRP** employees participating under section 19-2-706, MCA increased from 276 in fiscal year 2022 to 303 in fiscal year 2023. The contributions received (including interest) during fiscal year 2023 totaled \$630,146. These are recorded in the *Employer Contributions* on the financial statements. For the employer who chose a ten-year payment schedule before July 1, 2016, the outstanding balance at June 30, 2023, totaled \$4,060. This is recorded as *Notes Receivable* on the financial statements. For the employers who chose a ten-year payment schedule after July 1, 2016, the outstanding balance at June 30, 2023, totaled \$14,066. This is recorded as a service purchase in *Accounts Receivable* on the financial statements.
- Three **SRS** employees have taken advantage of this provision to date. All purchases are paid in full.
- No **HPORS**, **GWPORS**, or **FURS** employees have taken advantage of this provision to date.

## SUPPLEMENTAL PAYMENTS

- *Supplemental Benefit for Retirees*: Section 19-6-709, MCA provides eligible **Montana highway patrol officers** retired prior to July 1, 1991, or their survivors, an annual supplemental lump-sum payment distributed each September. This lump-sum payment is funded by a statutory appropriation requested by the PERB from the general fund. Factors impacting eligibility include the number of years the recipient has received a service retirement benefit or disability benefit, the recipient's age, and whether the recipient is employed in a position covered by a retirement system under Title 19.

- *VFCA Group Insurance Payments:* Supplemental payments are available to qualified volunteer fire companies that provide additional group medical insurance for their members in case of death or injury incurred while in the line of duty. The payment is made to the volunteer fire companies and is equal to \$75 per year for each mobile firefighting unit owned by the volunteer fire company, up to a maximum of two units.

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**FINANCIAL SECTION**

**DEFINED BENEFIT PLAN PROVISIONS**

System	Common provisions and terms			
	Compensation period for benefit calculation	Vesting	Eligibility	Benefit Multiplier
<b>PERS-DBRP</b>	<b>Member's highest average compensation (HAC):</b> * <b>Pre-7/01/2011</b> - consecutive 36 months; * <b>7/01/2011</b> - consecutive 60 months; * <b>7/01/2013</b> - 110% annual cap on HAC compensation.	5 years	<b>Pre-7/01/2011</b> * 30 years service, any age or * 5 years, age 60 or * any years, age 65  <b>7/01/2011</b> * 5 years, age 65, or * any years, age 70	<b>Pre-7/01/2011</b> * < 25 years: 1.78571% * 25 years or more: 2%  <b>7/01/11</b> * < 10 years: 1.5% * 10-29 years: 1.78571% * 30 years or more: 2%
<b>JRS</b>	<b>Member's current salary or highest average compensation (HAC):</b> * <b>Pre-7/01/1997 and non-GABA</b> - monthly compensation at retirement; * <b>7/01/1997 or electing GABA</b> - consecutive 36 months; * <b>7/01/2013</b> - 110% annual cap on HAC compensation.	5 years	5 years, age 60	* Up to 15 years: 3.33% * 15 years or more: 1.785% for each year > 15 years
<b>HPORS</b>	<b>Member's highest average compensation (HAC):</b> * Consecutive 36 months; * <b>7/01/2013</b> - 110% annual cap on HAC compensation.	<b>Pre-7/01/2013</b> 5 years  <b>7/01/2013</b> 10 years	<b>Pre-7/01/2023 Hires</b> 20 years, any age  <b>New Hires after 7/01/2023</b> 20 years, age 50	2.6% per year
<b>SRS</b>	<b>Member's highest average compensation (HAC):</b> * <b>Pre-7/01/2011</b> - consecutive 36 months; * <b>7/01/2011</b> - consecutive 60 months; * <b>7/01/2013</b> - 110% annual cap on HAC compensation.	5 years	<b>Pre-7/01/2023 Hires</b> 20 years, any age  <b>New Hires after 7/01/2023</b> 20 years, age 50	2.5% per year
<b>GWPORS</b>	<b>Member's highest average compensation (HAC):</b> * <b>Pre-7/01/2011</b> - consecutive 36 months; * <b>7/01/2011</b> - consecutive 60 months; * <b>7/01/2013</b> - 110% annual cap on HAC compensation.	5 years	* 20 years, age 50 or * 5 years, age 55	2.5% per year

**FINANCIAL SECTION**

System	Compensation period for benefit calculation	Vesting	Eligibility	Benefit Multiplier
<b>MPORS</b>	<b>Member's final average compensation (FAC):</b> * Pre-7/01/1977 - average monthly compensation at retirement. * 7/01/1977 - FAC last consecutive 36 months. * 7/1/2013 - 110% annual cap on FAC compensation.	5 years	* 20 years, any age or * 5 years, age 50	2.5% per year
<b>FURS</b>	<b>Member's compensation:</b> * Pre-7/01/1981 and no GABA - highest monthly compensation (HMC); * 7/01/1981 and GABA - HAC instead of HMC consecutive 36 months. * 7/1/2013 - 110% annual cap on HAC compensation.	5 years	* 20 years, any age or * 5 years, age 50	* Pre-7/1/1981 and no GABA: 2% per year if less than 20 years, and * 50% of HAC + 2% per additional year over 20 years  * Post 7/1/1981 and GABA: 2.5% per year
<b>VFCA</b>	No compensation	10 years	* 20 years, age 55 or * 10 years, age 60	* 10 - 20 years: \$8.75 per credited year * 20 years or more: \$7.50 per credited year * Post 7/01/2011, actuarially sound, and 30 years or more: \$7.50 per credited year

**Changes since last valuation:** Effective July 1, 2023, the retirement eligibility criteria in HPORS and SRS for new hires entering each system, changes from 20 years at any age to age 50 and 20 years.

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## FINANCIAL SECTION

System	Common provisions and terms	
	Working Retiree Limitations	Retirement Benefits - Form of Payment
<b>PERS-DBRP</b>	<p><b>(1) Pre-7/1/2011 and &lt; 65 years of age</b> * \$1 reduced for \$1 earned over 960 hours</p> <p><b>(2) &gt; 65 years of age and less than 70 1/2 retiree</b> \$1 reduced for \$1 earned in excess of: * 960 hour limit above; or * sum of benefit + PERS earnings that exceeds HAC adjusted for inflation.</p>	<ul style="list-style-type: none"> <li>• <b>Option 1</b>, single life annuity, balance to beneficiary</li> <li>• <b>Option 2</b>, 100% joint and survivor benefit</li> <li>• <b>Option 3</b>, 50% joint and survivor benefit</li> <li>• <b>Option 4</b>, a life annuity with period certain.</li> </ul> <p>Within 18 months of the death of or divorce from the contingent annuitant (CA), retiree can choose Option 1 or select new CA and/or a different option.</p> <p>* Trusts, estates, and charitable organizations as beneficiaries can only receive a lump-sum payment.</p>
<b>JRS</b>	N/A	
<b>HPORS</b>		* Life annuity, 100% continuation to surviving spouse or dependent children.
<b>GWPORS</b>	<p><b>Return on or after 7/1/2017:</b></p> <p><b>(1) &lt; 480 hours in a calendar year:</b></p> <ul style="list-style-type: none"> <li>• \$1 reduced for each \$3 &gt; \$5 thousand in year.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Option 1</b>, single life annuity, balance to beneficiary</li> <li>• <b>Option 2</b>, 100% joint and survivor benefit</li> <li>• <b>Option 3</b>, 50% joint and survivor benefit</li> <li>• <b>Option 4</b>, a life annuity with period certain.</li> </ul>
<b>SRS</b>	<p><b>(2) 480 or more hours in a calendar year:</b></p> <ul style="list-style-type: none"> <li>• become active member of the system;</li> <li>• retirement benefit stops.</li> </ul> <p>* Employer and state contributions are paid on working retirees.</p>	<p>Within 18 months of the death of or divorce from the contingent annuitant (CA), retiree can choose Option 1 or select new CA and/or a different option.</p> <p>* Trusts, estates, and charitable organizations as beneficiaries can only receive a lump-sum payment.</p>
<b>MPORS</b>		* Life annuity, 100% continuation to surviving spouse or dependent children.
<b>FURS</b>		* Life annuity, 100% continuation to surviving spouse or dependent children.
<b>VFCA</b>	N/A	N/A

Continued on next page

**FINANCIAL SECTION**

System	Working Retiree Limitations	Retirement Benefits - Form of Payment
<b>HPORS DROP</b>	N/A	<p><b>During DROP employment:</b></p> <ul style="list-style-type: none"> <li>* MPORS receives monthly DROP accruals, including GABA; plus</li> <li>* interest at assumed rate of return.</li> <li>* HPORS receives monthly DROP accruals, including contributions; plus</li> <li>* interest at assumed rate of return.</li> </ul> <p><b>Post DROP employment:</b></p> <ul style="list-style-type: none"> <li>* no retirement or DROP payment;</li> <li>* DROP account accrues interest.</li> </ul> <p><b>Termination of Post DROP employment:</b></p> <ul style="list-style-type: none"> <li>* retirement benefit;</li> <li>* Additional benefit based on member's service credit and HAC after DROP;</li> <li>* DROP benefit.</li> </ul>
<b>MPORS DROP</b>	N/A	<p><b>Termination of Post DROP employment:</b></p> <ul style="list-style-type: none"> <li>* retirement benefit;</li> <li>* Additional benefit based on member's service credit and HAC after DROP;</li> <li>* DROP benefit.</li> </ul>

System	Common provisions and terms	
	Service Credit	Membership Service
<b>PERS-DBRP</b>	<p>* <b>Service credit</b> determines benefit.</p> <p>* <b>1 month</b> of service credit = 160 compensated hours. This includes certain transferred and purchased service.</p> <p>* Eligible active members may purchase 1 for 5 service credit.</p>	<p>* <b>Membership service</b> determines vesting and benefits.</p> <p>* <b>1 month</b> of membership service = any month any service reported by employer..</p> <p>* Eligible member may purchase membership service.</p>
<b>JRS</b>		
<b>HPORS</b>		
<b>SRS</b>		
<b>GWPORS</b>		
<b>MPORS</b>		
<b>FURS</b>		
<b>VFCA</b>	<p><b>1 year of credit for service:</b></p> <ul style="list-style-type: none"> <li>• serve with same fire company entire fiscal year, and</li> <li>• minimum 30 hours training.</li> </ul> <p>* Fractional years are not credited.</p>	N/A

## FINANCIAL SECTION

Common provisions and terms		
System	Compensation	Withdrawal of member contributions
<b>PERS-DBRP</b>	<b>Compensation generally means:</b> * all remuneration paid; * excluding certain allowances, benefits, and lump sum payments; * specifically defined in law and differs amongst the systems. * <b>7/1/2013</b> - Bonuses paid are not compensation or pensionable.	<b>Upon termination, a member is eligible to:</b> * forfeit right to monthly benefit. * withdraw member contributions + interest. * rollover >\$200 refunds within 90 days.
<b>JRS</b>		
<b>HPORS</b>		
<b>SRS</b>		
<b>GWPORS</b>		
<b>MPORS</b>		
<b>FURS</b>		
<b>VFCA</b>	N/A	N/A

Common provisions and terms		
System	Contributions	Member contributions interest credited
<b>PERS-DBRP</b>	* Member contributions are made through an "employer pickup" pretax arrangement.	* Interest is credited to member accounts at the rates determined by the Board. * The fiscal year 2023 interest rate credited to member accounts was 0.32%.
<b>JRS</b>		
<b>HPORS</b>		
<b>SRS</b>		
<b>GWPORS</b>		
<b>MPORS</b>		
<b>FURS</b>	* Member contributions: <b>None</b> * Employer contributions: 0.30% of member compensation	
<b>PERS-DCRP</b>		
<b>Disability OPEB</b>		
<b>VFCA</b>	N/A	N/A

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**FINANCIAL SECTION**

System	Early Retirement Benefit	Second Retirement Benefit
<b>PERS-DBRP</b>	<p>Actuarially reduced:</p> <ul style="list-style-type: none"> <li>* <b>Pre-7/01/2011:</b> <ul style="list-style-type: none"> <li>• 5 years membership service, age 50 or</li> <li>• 25 years membership service, any age</li> </ul> </li> <li>* <b>7/01/2011:</b> <ul style="list-style-type: none"> <li>• 5 years membership service, age 55</li> </ul> </li> </ul>	<p><b><u>Requires returning to PERS-covered employment:</u></b></p> <p><b>Retire before 1/01/2016</b></p> <p>&lt; <b>2 years</b> additional service credit:</p> <ul style="list-style-type: none"> <li>* refunded member contributions plus interest;</li> <li>* no service credit;</li> <li>* same benefit previously paid to the member; and</li> <li>* GABA immediately in January.</li> </ul> <p><b>At least 2 years</b> additional service credit:</p> <ul style="list-style-type: none"> <li>* recalculated retirement benefit based on provisions in effect at second retirement; and</li> <li>* GABA on the recalculated benefit in January after receipt of new benefit for 12 months.</li> </ul> <p><b>Retire on or after 1/01/2016:</b></p> <p>&lt; <b>5 years</b> additional service credit</p> <ul style="list-style-type: none"> <li>* refunded member contributions plus interest;</li> <li>* no service credit;</li> <li>* same benefit previously paid to the member; and</li> <li>* GABA immediately in January.</li> </ul> <p><b>At least 5 years</b> of additional service credit:</p> <ul style="list-style-type: none"> <li>* same retirement benefit prior to the return;</li> <li>* second retirement benefit for post return to based on rehired date laws in effect; and</li> <li>* GABA starts on both benefits in January after receipt for 12 months.</li> </ul>
<b>JRS</b>	N/A	N/A
<b>MPORS</b>	<ul style="list-style-type: none"> <li>* 5 years membership service, age 50</li> </ul>	<p><b>MPORS Initial Second Retirement:</b> Age 50, re-employed in a MPORS position.</p> <p><b>Return prior to 7/01/2017:</b></p> <ul style="list-style-type: none"> <li>* &lt; 20 years of membership service: <ul style="list-style-type: none"> <li>• repay benefits; and</li> <li>• new benefit based on total service.</li> </ul> </li> <li>* &gt; 20 years of membership service: <ul style="list-style-type: none"> <li>• receives initial benefit; and</li> <li>• new retirement benefit based on new service credit and FAC.</li> </ul> </li> </ul>

Continued on next page

## FINANCIAL SECTION

System	Early Retirement Benefit	Second Retirement Benefit
<b>HPORS</b>	<p><b>Actuarially reduced from age 60 when discontinued from service other than for cause:</b></p> <p>* <b>Pre-7/01/2013</b> - 5 years of membership service</p> <p>* <b>7/01/2013</b> - 10 years of membership service</p>	<p><b>Return on or after July 1, 2017:</b></p> <p>* <b>&gt; 480 hours in a calendar year and &lt; 5 years service credit:</b></p> <ul style="list-style-type: none"> <li>• no service credit;</li> <li>• refunded member contributions;</li> <li>• same retirement benefit previously paid, and</li> <li>• GABA immediately in January.</li> </ul> <p>* <b>&gt; 480 hours in a calendar year and at least 5 years of service credit:</b></p> <ul style="list-style-type: none"> <li>• is awarded service credit for period of reemployment;</li> <li>• same retirement benefit previously paid;</li> <li>• a second retirement benefit for post return calculated based on rehired date laws in effect;</li> <li>• GABA starts on the initial benefit in January and second one 12 months later.</li> </ul> <p>* <b>No</b> eligibility for a disability benefit.</p>
<b>SRS</b>	<p><b>Actuarially reduced from age 60 or 20 years of membership service:</b></p> <p>* 5 years membership service, age 50</p>	
<b>GWPORS</b>	<p>* 5 years of membership service, age 55</p>	
<b>MPORS</b>	<p>* 5 years membership service, age 50</p>	
<b>FURS</b>	<p>* 5 years of membership service, age 50</p>	
<b>VFCA</b>	N/A	N/A

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System	Post Retirement Benefit Increases		
	Guaranteed Annual Benefit Adjustment (GABA)	GABA Waiting Period	Minimum Benefit Adjustment
<b>PERS-DBRP</b>	<ul style="list-style-type: none"> <li>• Pre-7/01/2007 - 3.0%</li> <li>• 7/01/2007 through 6/30/2013 - 1.5%</li> <li>• 7/01/2013 -                             <ul style="list-style-type: none"> <li>(a) 1.5% for each year if PERS is funded at or above 90%;</li> <li>(b) 1.5% is reduced by 0.1% for each 2% PERS is funded below 90%; and,</li> <li>(c) 0% whenever the amortization period for PERS is 40 years or more.</li> </ul> </li> </ul>	1 year	N/A
<b>JRS</b>	7/01/1997 or elected GABA - 3%	1 year	<b>Pre-7/01/1997 and did not elect GABA:</b> Benefits increase same as salary of sitting judge.
<b>HPORS</b>	7/01/1997 or elected GABA - 3.0%  7/01/2013 - 1.5%	Pre-7/01/2013 - 1 year  7/01/2013 - 3 years	<b>Pre-7/01/1997 and did not elect GABA:</b> 2% x service credits x base salary of probationary officer.  Limited to 5.0% over current benefit and may not exceed 60% of base salary of probationary officer.
<b>SRS</b>	Pre-7/01/2007 - 3%  7/01/2007 - 1.5%	1 year	N/A
<b>GWPORS</b>	Pre-7/01/2007 - 3.0%  7/01/2007 - 1.5%	1 year	N/A
<b>MPORS</b>	7/01/1997 or elected GABA - 3.0%	1 year	<b>Pre-7/01/1997 and did not elect GABA -</b> 1/2 of monthly salary of new officer
<b>FURS</b>	7/01/1997 or elected GABA - 3.0%	1 year	<b>Pre-7/01/1997 and did not elect GABA -</b> 1/2 of monthly salary of new firefighter
<b>VFCA</b>	N/A	N/A	N/A

## FINANCIAL SECTION

System	Disability	Survivor
	Eligibility & Benefit Formula	Eligibility & Benefit Formula
<b>PERS-DBRP</b>	<p>* 5 years of membership service</p> <p><b>Pre-2/24/1991 and did not make a contrary election -</b> Greater of:</p> <ul style="list-style-type: none"> <li>• (90% of 1.785% of HAC) x service credit, or</li> <li>• 25% of HAC</li> </ul> <p><b>2/24/1991 to 7/01/2011 -</b></p> <ul style="list-style-type: none"> <li>• <b>&lt; 25 years membership service:</b> 1.758% of HAC x service credit, or</li> <li>• <b>At least 25 years membership service:</b> 2% of HAC x service credit</li> </ul> <p><b>7/01/2011 -</b></p> <ul style="list-style-type: none"> <li>• <b>&lt; 10 years membership service:</b> 1.5% of HAC x years of service credit</li> <li>• <b>Between 10 and 30 years membership service:</b> 1.785% of HAC x service credit</li> <li>• <b>&gt; 30 years membership service:</b> 2% of HAC x service credit</li> </ul>	<p><b>Vested member's status at time of death:</b></p> <ul style="list-style-type: none"> <li>• active;</li> <li>• receiving disability benefit for less than six months;</li> <li>• continuously disabled without receiving a disability benefit; or</li> <li>• inactive.</li> </ul> <p><b>Hired prior to 7/01/2011 -</b></p> <p><b>Age 50 or 25 years membership service</b></p> <ul style="list-style-type: none"> <li>• actuarial equivalent of accrued benefit at death; or,</li> </ul> <p><b>&lt; Age 50 and &lt; 25 years membership service</b></p> <ul style="list-style-type: none"> <li>• actuarial equivalent of the accrued early benefit paid at age 50.</li> </ul> <p><b>Hired on or after 7/01/2011 -</b></p> <p><b>Age 55</b></p> <ul style="list-style-type: none"> <li>• actuarial equivalent of accrued benefit at death; or</li> </ul> <p><b>&lt; Age 55</b></p> <ul style="list-style-type: none"> <li>• actuarial equivalent of accrued early benefit paid at age 55.</li> </ul>
<b>PERS-DCRP Disability OPEB</b>	<p>* Any age 5 years of membership service</p> <p><b>Hired prior to 7/1/2011, or hired prior to 2/24/1991 -</b></p> <ul style="list-style-type: none"> <li>• <b>&lt; 25 years membership service:</b> 1.785% of HAC x service credit, or</li> <li>• <b>Least 25 years of membership service:</b> 2% of HAC x service credit; and</li> <li>• Benefit payable to later of age 65 or for five years.</li> </ul> <p><b>Hired on or after July 1, 2011 -</b></p> <ul style="list-style-type: none"> <li>• <b>Between 5 and 10 years membership service:</b> 1.5% of HAC x years of service credit;</li> <li>• <b>Between 10 and 30 years membership service:</b> 1.785% of HAC x years service credit;</li> <li>• <b>30 or more years membership service:</b> 2% of HAC x years of service credit;</li> </ul> <ul style="list-style-type: none"> <li>• Benefit payable to age 70 for disabilities occurring prior to age 65, or &lt; five years for disabilities occurring after age 65.</li> <li>• <b>No distributions from individual defined contribution account while being paid from the PERS-DCRP Disability OPEB.</b></li> <li>• Participants may choose to receive a distribution from their individual account instead of applying for and receiving a disability benefit.</li> </ul>	<p><b>Survivor's benefit:</b> Disability benefits cease after death of a member, and their beneficiary is entitled to the member's vested defined contribution account balance.</p> <p><b>Form of payment:</b></p> <ul style="list-style-type: none"> <li>• Normal form of payment is an annuity.</li> <li>• No other forms of payment are available</li> </ul>

**FINANCIAL SECTION**

	<b>Disability</b>	<b>Survivor</b>
<b>System</b>	<b>Eligibility &amp; Benefit Formula</b>	<b>Eligibility &amp; Benefit Formula</b>
<b>JRS</b>	<p><b>Duty-related disability:</b></p> <ul style="list-style-type: none"> <li>• Any amount of membership service</li> <li>• Greater of 50% of salary or 50% of HAC</li> </ul> <p><b>Non-duty-related disability:</b></p> <ul style="list-style-type: none"> <li>• 5 years membership service</li> <li>• Actuarial equivalent of normal retirement at disability</li> </ul>	<p><b>Duty-related death:</b></p> <ul style="list-style-type: none"> <li>• service retirement benefit on date of death.</li> </ul> <p><b>Non-duty-related death:</b></p> <ul style="list-style-type: none"> <li>• vested member;</li> <li>• refund of member's contributions, <b>or</b></li> <li>• actuarial equivalent of service retirement at death.</li> <li>• Retired members without contingent annuitant, payment made to member's designated beneficiary = accumulated contributions reduced by any retirement benefits already paid.</li> </ul>
<b>HPORS</b>	<p><b>Duty-related disability:</b></p> <ul style="list-style-type: none"> <li>• Any active member</li> <li>• <b>&lt; 20 years membership service:</b> 50% of HAC, or</li> <li>• <b>&gt; 20 years membership service:</b> 2.6% of HAC x years of service credit</li> </ul> <p><b>Regular disability:</b></p> <ul style="list-style-type: none"> <li>• Any vested member</li> <li>• Actuarial equivalent of service retirement benefit at age 60.</li> </ul>	<p><b>Duty-related deaths:</b></p> <ul style="list-style-type: none"> <li>• active member;</li> <li>• 50% HAC to spouse or dependent child.</li> </ul> <p><b>Non-duty-related death:</b></p> <ul style="list-style-type: none"> <li>• active or inactive member;</li> <li>• actuarial equivalent of early retirement benefit to spouse or dependent child.</li> <li>* Retired members without spouse or dependent child, payment made to member's designated beneficiary will be = accumulated contributions reduced by any retirement benefits already paid.</li> </ul>
<b>HPORS DROP</b>	N/A	<p><b>Death Before the End of DROP Period:</b></p> <ul style="list-style-type: none"> <li>* DROP and regular benefit to spouse or dependent child.</li> <li>* If no surviving spouse or dependent children, member's designated beneficiary receives balance of member's retirement account and a lump-sum payment of the member's DROP Benefit.</li> </ul>

**FINANCIAL SECTION**

System	Disability	Survivor
	Eligibility & Benefit Formula	Eligibility & Benefit Formula
<b>SRS</b>	<p><b>Duty-related disability:</b></p> <ul style="list-style-type: none"> <li>Any active member with any membership service</li> <li><b>&lt; 20 years membership service:</b> 50% of HAC, or</li> <li><b>&gt; 20 years membership service:</b> 2.5% of HAC x years of service credit</li> </ul> <p><b>Non-duty-related disability:</b></p> <ul style="list-style-type: none"> <li>Any vested member with 5 years membership service</li> <li>Actuarial equivalent of the normal retirement benefit at disability.</li> </ul>	<p><b>Duty-related death:</b></p> <ul style="list-style-type: none"> <li>any active member</li> <li>lump-sum payment of member contributions; <b>or</b></li> <li>benefit to the designated beneficiary that is <b>greater of:</b> <ul style="list-style-type: none"> <li>50% of HAC; <b>or</b></li> <li>&gt; 20 years = 2.5% x HAC x service credit</li> </ul> </li> </ul> <p><b>Non-duty-related death:</b></p> <ul style="list-style-type: none"> <li>any member</li> <li>lump-sum refund of member contributions; <b>or</b></li> <li>benefit = 2.5% of HAC x service credit;</li> <li>actuarially reduced from age 60 or 20 years membership service, whichever provides the greater benefit.</li> </ul> <ul style="list-style-type: none"> <li>Retired members without contingent annuitant, payment made to designated beneficiary = accumulated contributions reduced by any retirement benefits already paid.</li> </ul>
<b>GWPORS</b>	<p><b>Duty-related disability:</b></p> <ul style="list-style-type: none"> <li>Vested active member</li> <li><b>&lt; 20 years</b> of membership service 50% of HAC; <b>or</b></li> <li><b>&gt; 20 years</b> of membership service: 2.5% of HAC x years of service credit</li> </ul> <p><b>Regular disability:</b></p> <ul style="list-style-type: none"> <li>vested member</li> <li>actuarial equivalent of normal retirement benefit disability.</li> </ul>	<p><b>Duty-related death:</b></p> <ul style="list-style-type: none"> <li>* active member</li> <li>* benefit to designated beneficiary</li> <li><b>&lt; 25 years</b> membership service: 50% of HAC, <b>or</b></li> <li><b>&gt; 25 years</b> membership service: 2.5% x HAC x service credit</li> </ul> <p><b>Non-duty-related death:</b></p> <ul style="list-style-type: none"> <li>any member</li> <li>lump-sum refund of member contributions; <b>or</b></li> <li>actuarial equivalent of service benefit at death.</li> </ul> <ul style="list-style-type: none"> <li>Effective July 1, 2017, beneficiaries of GWPORS members who die prior to retirement are eligible for either a lump-sum benefit or a monthly survivor benefit. The monthly survivor benefit may be paid out as an option 1, 2, 3, or 4, at the survivor's discretion. Previously, statute provided for lump-sum payments only.</li> </ul>

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**FINANCIAL SECTION**

<b>System</b>	<b>Disability</b>	<b>Survivor</b>
	<b>Eligibility &amp; Benefit Formula</b>	<b>Eligibility &amp; Benefit Formula</b>
<b>MPORS</b>	<ul style="list-style-type: none"> <li>• Any active member</li> <li>• &lt; 20 years of membership service: 50 % of FAC</li> <li>• &gt; 20 years of membership service: 2.5% of FAC x years of service credit</li> </ul>	<ul style="list-style-type: none"> <li>• Any active member;</li> <li>• benefit to spouse of dependent child:               <ul style="list-style-type: none"> <li>• &lt; 20 years of membership service: 50 % of FAC</li> <li>• &gt; 20 years of membership service: 2.5% of member's FAC x years of service credit</li> </ul> </li> <li>• In absence of a spouse or child, accumulated contributions minus any benefits already paid will be paid to member's designated beneficiary.</li> </ul>
<b>MPORS DROP</b>	<ul style="list-style-type: none"> <li>• If a member becomes disabled during DROP Period, member will not be eligible for MPORS disability benefits.</li> </ul>	<p><b>Death Before the End of DROP Period:</b></p> <ul style="list-style-type: none"> <li>• DROP and regular benefit to spouse or dependent child.</li> <li>• In absence of surviving spouse or dependent children, then member's designated beneficiary receives balance of member's retirement account and a lump-sum payment of the member's DROP Benefit.</li> </ul>
<b>FURS</b>	<ul style="list-style-type: none"> <li>• Any active member</li> <li>• <b>The greater of:</b> <ul style="list-style-type: none"> <li>• 50% of HAC, <b>or</b></li> <li>• 2.5% of HAC x years of service credit</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Any active or inactive member;</li> <li>• benefit to spouse or dependent child:               <ul style="list-style-type: none"> <li>• &lt; <b>20 years</b> of membership service                   <ul style="list-style-type: none"> <li>• 50% of HAC.</li> </ul> </li> <li>• &gt; <b>20 years</b> of membership service retirement benefit at date of death.</li> </ul> </li> </ul>
<b>VFCA</b>	<p><b>Duty-related disability:</b></p> <ul style="list-style-type: none"> <li>• Any current member on a fire company's roster</li> <li>• Monthly benefit <b>greater of:</b> <ul style="list-style-type: none"> <li>• \$87.50 per month, <b>or</b></li> <li>• (\$8.75 per month x years of credited service up to 20 years) + (\$7.50 per month x years of credit service from 21 years up to 30 years)</li> </ul> </li> <li>• <b>Post 7/01/2011, actuarially sound, and 30 years or more:</b> <ul style="list-style-type: none"> <li>• Additional \$7.50 per month per year</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 10 years credited service or a retired member</li> <li>• Benefit to surviving spouse or dependent child for total of 40 months includes payments to retired member prior to death.</li> </ul>

## **DEFINED CONTRIBUTION RETIREMENT PLAN**

### **PLAN DESCRIPTION**

#### **Public Employees' Retirement System-DCRP (PERS-DCRP)**

The PERS-Defined Contribution Retirement Plan (DCRP) is a multiple-employer plan established July 1, 2002, and governed by Title 19, chapters 2 & 3, MCA. This plan is available to eligible employees of the State, Montana University System, local governments, and school districts. All new PERS members are initially members of the PERS-DBRP and have a 12-month window during which they may choose to transfer to the PERS-DCRP or remain in the PERS-DBRP by filing an irrevocable election. If an election is not filed, the member remains in the PERS-DBRP. Members may not be members of both the defined contribution and defined benefit retirement plans. The PERS-DCRP provides retirement, disability, and death benefits to plan members and their beneficiaries.

*DCRP Education Fund:* The DCRP Education Fund (DCEd), as governed by section 19-3-112, MCA, was established to provide funding for the required education programs for members who have joined the PERS-DCRP. The DCEd was funded by 0.04% of the employers' contributions in fiscal year 2023.

*DCRP Disability Fund:* The DCRP Disability Fund (DC Disability), as governed by section 19-3-2141, MCA, provides disability benefits to eligible members who elect the PERS-DCRP. The DCRP Disability Fund received 0.3% of the employers' contribution in fiscal year 2023. The DC Disability OPEB is reported on the financial statements under the column heading *PERS-DCRP Disability OPEB*.

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MEMBERSHIP AND EMPLOYERS

Plan Membership as of Fiscal Year End June 30, 2023	
Type of Plan for Reporting Purposes as of Fiscal Year End June 30, 2023	Multi-Employer Defined Contribution
Plan Designation	PERS-DCRP
Classification of Member	
Active	3,406
Inactive: entitled to, but not yet receiving benefits or a refund:	
Vested	1,066
Non-Vested	1,383
Inactive members and beneficiaries currently receiving benefits:	
Service Retirements	224
Disability Retirements	7
Survivor benefits	3
<b>Total Membership</b>	<b>6,089</b>

Participating Defined Contribution Employers		
Employer Type	PERS-DCRP	
As of Fiscal Year End June 30,	2023	2022
State Agencies	33	33
Counties	53	53
Cities and Towns	62	61
Colleges and Universities	5	5
School Districts	136	137
High Schools	4	4
Other Agencies	55	51
<b>Total</b>	<b>348</b>	<b>344</b>

PERS-DCRP Active Membership by Employer Type		
Employer Type	June 30, 2023	June 30, 2022
State Agencies	1,599	1,603
Counties	574	551
Cities	423	419
Universities	169	167
High Schools	6	5
School Districts	392	400
Other Agencies	243	241
<b>Total</b>	<b>3,406</b>	<b>3,386</b>

## FINANCIAL SECTION

### CONTRIBUTIONS

#### Public Employees' Retirement System-DCRP (PERS-DCRP)

Assets of the PERS-DCRP are required to be held in trusts, custodial accounts or insurance company contracts for the exclusive benefit of participants and their beneficiaries. Empower Retirement™ is the recordkeeper for the plan.

Member and employer contribution rates are established by state law and may be amended only by the Legislature. (Reference Schedule of Contribution Rates on page 75).

**Member contributions** are deducted from each member's salary and remitted by participating employers. The entire amount of the member's contribution is credited to the individual account and maintained by the recordkeeper.

The 7.9% member contributions will be decreased to 6.9% on January 1 following actuary valuation results for the PERS-DBRP that show the amortization period has dropped below 25 years and would remain below 25 years following the reduction of both the additional employer and additional member contribution rates. There is no reduction to the member contributions on January 1, 2024.

The total **employer contribution** rate of 9.07% is allocated as follows: 8.73% to the member's retirement account, 0.04% to the defined contribution education fund, 0.3% to the long-term disability plan.

Employer contributions temporarily increased 1.0%, effective July 1, 2013. Further, employer contributions increase an additional 0.1% a year over 10 years beginning July 1, 2014, through 2024. The employer additional contributions, including the 0.27% added in 2007 and 2009, terminate on January 1 following actuary valuation results that show the amortization period of the PERS-DBRP has dropped below 25 years and would remain below 25 years following the reduction of both the additional employer and member contribution rates. Based on the June 30, 2023 actuarial valuation, the additional contributions will not be terminated on January 1, 2024.

### DEFINED CONTRIBUTION SUMMARY OF BENEFITS

	PERS-DCRP
Eligibility for benefit	<ul style="list-style-type: none"><li>Termination of Service</li></ul>
Vesting	<ul style="list-style-type: none"><li>Immediate for participant's contributions and attributable income;</li><li>5 years of membership service for the employer's contributions to individual accounts and attributable income.</li></ul>
Benefit	<ul style="list-style-type: none"><li>Depends upon eligibility and individual account balance;</li><li>Various payout options are available, including:<ul style="list-style-type: none"><li>taxable lump sums,</li><li>periodic payments per participant direction; and</li><li>IRS-permitted rollovers.</li></ul></li></ul>

## OTHER EMPLOYEE BENEFIT PLAN

### Deferred Compensation (457(b)) Plan

#### PLAN DESCRIPTION

The Deferred Compensation (457(b)) Plan is an Other Employee Benefit Plan established in 1974. The Deferred Compensation Plan is governed by Title 19, chapter 50, MCA, in accordance with Internal Revenue Code (IRC) §457. This plan is available to all employees of the State, Montana University System, and contracting political subdivisions.

Assets of the Deferred Compensation Plan are required to be held in trusts, custodial accounts, or insurance company contracts for the exclusive benefit of participants and their beneficiaries. Empower Retirement™ is the recordkeeper for the plan. Participants elect to defer a portion of their salary designating the amount to be contributed, within IRC limitations, either pre-tax deferral or designated Roth contribution. Most employers do not contribute to this plan on behalf of their employees. Distribution of deferred salary is not allowed to employees until separation from service, retirement, or death. Unforeseen hardship distributions may be allowed while a participant is still employed, provided IRS-specified criteria are met. The 33 State Agencies are represented as one employer.

#### MEMBERSHIP AND EMPLOYERS

Plan Membership as of Fiscal Year End June 30, 2023	
Classification of Members	Number of Members
Active:	6,909
Inactive: entitled to, but not yet receiving benefits or a refund: Vested	3,008
<b>Total Membership</b>	<b>9,917</b>

Participating Other Employee Benefit Employers		
Employer Type	Deferred Compensation (457(b)) Plan	
	2023	2022
<b>As of Fiscal Year End June 30,</b>		
State Agencies	1	1
Counties	10	9
Cities and Towns	20	20
Colleges and Universities	5	5
School Districts	18	18
Other Agencies	19	18
<b>Total</b>	<b>73</b>	<b>71</b>

## FINANCIAL SECTION

### CONTRIBUTIONS

The **Deferred Compensation (457(b)) Plan** is an other employee benefit plan designed to supplement retirement savings. Participants designate the amount to contribute with IRC limitations; either pre-tax deferral or designated Roth contribution. Most employers do not contribute to this plan on behalf of their employees.

### SUMMARY OF BENEFITS

	<b>Deferred Compensation (457(b)) Plan</b>
<b>Eligibility for benefit</b>	<ul style="list-style-type: none"><li>• Not available to participant until separation from service, retirement, or death.</li><li>• Unforeseen hardship distributions may be allowed while a participant is still employed, provided IRS-specified criteria are met.</li></ul>
<b>Vesting</b>	<ul style="list-style-type: none"><li>• Participants are fully vested in their accounts immediately.</li></ul>
<b>Benefit</b>	<ul style="list-style-type: none"><li>• Lump sum or periodic benefit payment, at the option of the participant.</li><li>• Based on individual account balances and plan provisions.</li><li>• IRS permitted rollovers are also possible.</li></ul>

## DEFINED CONTRIBUTION AND DEFERRED COMPENSATION INVESTMENTS

Among the offered investment options, the participants of the:

- **PERS-DCRP** direct their contributions and their portion of employer's contributions.
- **Deferred Compensation Plan** direct their deferred salary.

Participants may invest in any or all the offered options and transfer between options daily, if desired. The investment options offered are selected by the PERB in compliance with the **PERS-DCRP** or **Deferred Compensation** Investment Policy Statement, the advice of an independent investment consultant, and assistance from the statutorily created Employee Investment Advisory Council.

The offered investment options fall into two primary types: (1) the variable investment options and (2) the fixed investment option.

**Variable investments:** The variable investment options include a variety of Large, Mid and Small Cap mutual funds, as well as a fixed income bond fund and Target Date Retirement Funds. Options range from conservative to aggressive. The mutual funds cover all standard asset classes and categories. These are presented on the following page.

## FINANCIAL SECTION

<b>PERS-DCRP Investment Options as of June 30, 2023</b>	<b>Deferred Compensation (457(b)) Plan Investment Options as of June 30, 2023</b>
<b>International Stock Funds</b> <ul style="list-style-type: none"> <li>• American Funds New Perspective R6</li> <li>• Oakmark International I</li> <li>• Vanguard Total International Stock Index Adm</li> <li>• Invesco Developing Markets Y</li> </ul>	<b>International Stock Funds</b> <ul style="list-style-type: none"> <li>• Vanguard Total Intl Stock Index - Adm</li> <li>• Artisan International Inv</li> <li>• Dodge &amp; Cox International Stock</li> <li>• American Funds New Perspective R6</li> <li>• Invesco Developing Markets Y</li> </ul>
<b>Small Company Stock Funds</b> <ul style="list-style-type: none"> <li>• Vanguard Small Cap Growth Index Instl</li> <li>• Vanguard Small Cap Index Signal Instl</li> <li>• BlackRock Advantage Small Cap Core K</li> </ul>	<b>Small Company Stock Funds</b> <ul style="list-style-type: none"> <li>• Vanguard Small Cap Growth Index Instl</li> <li>• Vanguard Small Cap Index Instl</li> <li>• Neuberger Berman Genesis-Trust</li> </ul>
<b>Mid-Sized Company Stock Funds</b> <ul style="list-style-type: none"> <li>• Janus Henderson Enterprise - N</li> <li>• MFS Mid-Cap Value R6</li> <li>• Vanguard Mid-Cap Index - Adm</li> </ul>	<b>Mid-Sized Company Stock Funds</b> <ul style="list-style-type: none"> <li>• Janus Henderson Enterprise - N</li> <li>• MFS Mid-Cap Value R6</li> <li>• Vanguard Mid-Cap Index - Adm</li> </ul>
<b>Large Company Stock Funds</b> <ul style="list-style-type: none"> <li>• Alger Capital Appreciation Z</li> <li>• Black Rock Equity Index - Collective F</li> <li>• Vanguard Equity Income - Adm</li> <li>• JP Morgan US Equity R6</li> </ul>	<b>Large Company Stock Funds</b> <ul style="list-style-type: none"> <li>• Vanguard Equity Income Adm</li> <li>• Fidelity Contrafund</li> <li>• Vanguard Institutional Index I</li> <li>• Parnassus Core Equity Inst</li> </ul>
<b>Balanced Funds</b> <ul style="list-style-type: none"> <li>• Vanguard Balanced Index - I</li> </ul>	<b>Balanced Funds</b> <ul style="list-style-type: none"> <li>• Vanguard Balanced Index I</li> </ul>
<b>Bond Funds</b> <ul style="list-style-type: none"> <li>• PGIM Total Return Bond R6</li> <li>• Neuberger Berman High Income Bond - I</li> <li>• Vanguard Total Bond Market Index - Adm</li> </ul>	<b>Bond Funds</b> <ul style="list-style-type: none"> <li>• Vanguard Total Bond Market Index - Adm</li> <li>• Neuberger Berman High Income Bond Inv</li> <li>• PGIM Total Return Bond R6</li> </ul>
<b>Target Date Funds</b> <ul style="list-style-type: none"> <li>• T. Rowe Price Retirement - Balanced and 2005 through 2065</li> </ul>	<b>Target Date Funds</b> <ul style="list-style-type: none"> <li>• T. Rowe Price Retirement - Balanced and 2005 through 2065</li> </ul>
<b>Fixed Investment Options</b> <ul style="list-style-type: none"> <li>• Montana Fixed Fund</li> </ul>	<b>Fixed Investment Options</b> <ul style="list-style-type: none"> <li>• Montana Fixed Fund</li> </ul>

In addition to the investments listed, Deferred Compensation plan participants previously had the option to direct a portion of their deferrals to a term life insurance policy provided through Allianz Life Insurance. The ability to invest in life insurance is allowed under the IRC and was offered to plan participants prior to life insurance being offered as a standard component of health insurance benefit packages. This investment option has been discontinued; however, plan participants who had previously elected this option may continue.

**Fixed Investment: Montana Fixed Fund.** The Montana Fixed Fund is a stable value investment option, administered and managed by outside vendors:

- Pacific Investment Management Company LLC (PIMCO), Stable Value Manager;
- State Street Bank and Trust Company (State Street), Custodial Bank; and
- Third-party synthetic Guaranteed Interest Contract (GIC) providers
  - Transamerica Life Insurance Company (Transamerica),
  - The Prudential Insurance Company of America (Prudential), and
  - Voya Retirement Insurance and Annuity Company (Voya).

When participants invest in the Montana Fixed Fund option, they are guaranteed a fixed rate of return, which is adjusted in accordance with the terms of the respective GIC provider contracts.

## FINANCIAL SECTION

The Montana Fixed Fund employs a synthetic stable value strategy where the stable value manager, PIMCO, manages a diversified bond portfolio and third-party insurers, Transamerica, Prudential, and Voya, guarantee the participants' principal investments and earnings in accordance with the respective contracts with the GIC providers. The third-party insurers set a fixed quarterly rate of return based on the stable value manager's portfolio yield, duration, market value and the contracts provide assurance that future credited income will not be below zero.

All money invested in the Montana Fixed Fund from the **PERS-DCRP** and **Deferred Compensation Plan** is held in a Pooled Trust. The Pooled Trust qualifies as a group trust under sections 401(a), including section 401(a)(24) and 501(a), of the IRC of 1986, as amended. The Pooled Trust assets are invested by PIMCO and are held under a custodial agreement with State Street. The Pooled Trust assets are invested by PIMCO based on an investment guideline schedule described in the Montana Fixed Fund investment policy established by the PERB. Additional investment constraints are contained in the investment management agreement between PIMCO and the PERB, and in the respective contracts issued by the Pooled Trust by each GIC provider.

**Administrative expenses and revenues:** Expenses for the **PERS-DCRP** and **Deferred Compensation Plan** can generally be classified as 1) administrative, including miscellaneous or 2) investment management. Following is a summary of revenues and expenses.

**Administrative funding:** The PERB charges **PERS-DCRP** and **Deferred Compensation** participants an administrative fee on participants' account balances to fund the plan's expenses. On a quarterly basis, the recordkeeper withholds the fee from each plan participant's account. Empower Retirement™ withholds a portion of the fee collected from the participant to pay their recordkeeping fee and submits the remainder to the PERB. The PERB records this as *Miscellaneous Revenue* for each plan in the financial statements. Based on MPERA Board Admin Policy 13 and 14, the PERB reviews the fees every year. Due to cash balances being greater than paying 12 months of administrative fees, the PERB has suspended charging PERS-DCRP participant fees for the fiscal years 2021 through 2023.

**Recordkeeping fees:** The recordkeeper, Empower Retirement™, charges a set fee to the PERB for all **PERS-DCRP** and **Deferred Compensation** plan participants. These amounts are recorded as *Miscellaneous Expense* in the financial statements. Beginning in fiscal year 2021, the PERB approved a fee suspension for the PERS-DCRP participants. With the fee suspension, MPERA pays the recordkeeping fees out of the administrative expenses.

**Montana Fixed Fund fees:** The Montana Fixed Fund's crediting rate is declared net of expenses. Fees on the fund are charged by each of the five providers, PIMCO, State Street, Transamerica, Prudential, and Voya. The fees are defined under each contract for specific services. The fees charged by PIMCO and State Street for the externally managed fixed investments are classified as *Investment Expense*. The fees charged by Transamerica, Prudential and Voya are classified as *Miscellaneous Expense*.

**Mutual funds/variable investments fees:** The variable investments have investment management fees and some may have additional administrative fees. These fees are not presented

in the financial statements. Mutual fund earnings are declared net of expenses, both investment management and administrative expenses, in accordance with the Securities and Exchange Commission and other regulatory authorities. Current reporting standards for mutual fund companies do not require costs be made available in the detailed cost reports.

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## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Required Supplementary Information

#### Schedule of Changes in Multiple-Employer Plans Net Pension Liability / (Asset)

as of June 30, 2023

Last 10 Fiscal Years

Fiscal Year	2023	2022	2021	2020
<b>PERS-DBRP</b>				
<b>Total pension liability</b>				
Service cost	\$ 116,475,831	\$ 142,664,846	\$ 129,099,681	\$ 123,083,106
Interest	647,039,932	618,424,612	604,750,489	593,858,382
Changes of benefit terms				
Differences between expected and actual experience	130,314,212	30,957,025	29,025,581	(39,377,503)
Changes of assumptions		(261,124,637)	265,843,313	274,029,096
Benefit payments	(544,698,781)	(512,042,746)	(476,443,132)	(449,601,997)
Refunds of Contributions	(14,699,642)	(15,343,596)	(12,712,759)	(11,922,673)
Net change in total pension liability	\$ 334,431,552	\$ 3,535,504	\$ 539,563,173	\$ 490,068,411
Total pension liability-beginning	9,026,784,090	9,023,248,586	8,483,685,413	7,993,617,002
Total pension liability-ending (a)	\$ 9,361,215,642	\$ 9,026,784,090	\$ 9,023,248,586	\$ 8,483,685,413
<b>Plan fiduciary net position</b>				
Contributions - employer	\$ 131,911,929	\$ 120,533,342	\$ 121,135,718	\$ 111,991,380
Contributions - non-employer	36,176,182	35,760,593	35,389,005	35,008,859
Contributions - member	119,169,165	110,597,557	111,246,724	105,009,017
Net investment income	549,305,530	(295,902,497)	1,593,110,118	157,977,027
Benefit payments	(544,698,781)	(512,042,746)	(476,443,132)	(449,601,997)
Administrative expense	(5,353,261)	(4,731,110)	(4,397,338)	(4,059,627)
Refunds of Contributions	(14,699,642)	(15,343,596)	(12,712,759)	(11,922,673)
Other	151,708	471	(2,775,478)	(2,234,266)
Net change in plan fiduciary net position	\$ 271,962,830	\$ (561,127,986)	\$ 1,364,552,858	\$ (57,832,280)
Plan fiduciary net position - beginning	6,648,898,896	7,210,026,882	5,845,474,024	5,903,306,304
Beginning of Year Adjustment				
Plan fiduciary net position - ending (b)	\$ 6,920,861,726	\$ 6,648,898,896	\$ 7,210,026,882	\$ 5,845,474,024
Net pension liability / (asset) - ending (a-b)	\$ 2,440,353,916	\$ 2,377,885,194	\$ 1,813,221,704	\$ 2,638,211,389
<b>SRS</b>				
<b>Total pension liability</b>				
Service cost	\$ 13,728,258	\$ 15,250,824	\$ 14,037,982	\$ 12,507,758
Interest	43,519,630	38,408,616	36,191,606	34,355,938
Changes of benefit terms				
Differences between expected and actual experience	16,670,907	17,344,637	7,498,812	2,236,018
Changes of assumptions		(4,397,121)	19,856,295	19,507,195
Benefit payments	(27,353,239)	(25,034,608)	(24,708,608)	(21,481,264)
Refunds of Contributions	(2,021,636)	(2,005,091)	(1,505,592)	(1,565,536)
Net change in total pension liability	\$ 44,543,920	\$ 39,567,257	\$ 51,370,495	\$ 45,560,109
Total pension liability-beginning	597,118,496	557,551,239	506,180,744	460,620,635
Total pension liability-ending (a)	\$ 641,662,416	\$ 597,118,496	\$ 557,551,239	\$ 506,180,744
<b>Plan fiduciary net position</b>				
Contributions - employer	\$ 13,482,512	\$ 12,703,407	\$ 11,896,985	\$ 11,175,181
Contributions - non-employer				
Contributions - member	11,186,922	10,700,220	9,684,410	9,114,615
Net investment income	38,824,040	(20,640,856)	105,980,311	10,181,906
Benefit payments	(27,353,239)	(25,034,608)	(24,708,608)	(21,481,264)
Administrative expense	(265,998)	(239,263)	(1,048,685)	(294,988)
Refunds of Contributions	(2,021,636)	(2,005,091)	(1,505,592)	(1,565,536)
Other	621,781	117,496	(58,008)	(58,008)
Net change in plan fiduciary net position	\$ 34,474,382	\$ (24,516,191)	\$ 100,416,317	\$ 7,071,906
Plan fiduciary net position - beginning	460,194,880	484,711,071	384,294,754	377,222,848
Plan fiduciary net position - ending (b)	\$ 494,669,262	\$ 460,194,880	\$ 484,711,071	\$ 384,294,754
Net pension liability / (asset) - ending (a-b)	\$ 146,993,154	\$ 136,923,616	\$ 72,840,168	\$ 121,885,990

## FINANCIAL SECTION

2019	2018	2017	2016	2015	2014
\$ 123,618,712	\$ 132,567,233	\$ 144,475,909	\$ 132,620,813	\$ 138,049,956	\$ 137,452,701
585,204,569	552,036,737	507,380,846	486,830,869	476,777,225	456,406,491
(147,536,263)	170,344,495	55,782,342	12,254,313	(11,276,266)	
(422,444,896)	(395,338,673)	354,960,213			
(12,360,997)	(12,619,498)	(366,354,719)	(344,103,875)	(333,401,463)	(307,741,308)
		(12,252,007)	(10,379,388)		
\$ 126,481,125	\$ 446,990,294	\$ 683,992,584	\$ 277,222,732	\$ 270,149,452	\$ 286,117,884
7,867,135,877	7,420,145,583	6,736,152,999	6,458,930,267	6,188,780,815	5,902,662,931
\$ 7,993,617,002	\$ 7,867,135,877	\$ 7,420,145,583	\$ 6,736,152,999	\$ 6,458,930,267	\$ 6,188,780,815
\$ 107,257,974	\$ 106,650,985	\$ 103,537,059	\$ 102,327,838	\$ 100,175,856	\$ 95,820,397
34,641,994	34,659,174	28,757,463	30,800,371	34,466,719	34,561,721
101,713,235	102,075,271	100,768,139	97,342,719	95,424,031	92,160,048
320,879,899	478,690,356	591,434,954	101,199,856	225,106,692	732,253,062
(422,444,896)	(395,338,673)	(366,354,719)	(344,103,875)	(333,401,463)	(307,741,308)
(3,806,945)	(4,168,771)	(4,472,084)	(3,858,330)	(3,483,531)	(3,522,346)
(12,360,997)	(12,619,498)	(12,252,007)	(10,379,388)		
(2,567,968)	(2,474,018)	(1,706,733)	(1,580,302)		
\$ 123,312,296	\$ 307,474,826	\$ 439,712,072	\$ (28,251,111)	\$ 118,288,304	\$ 643,531,574
5,779,994,008	5,472,519,182	5,032,807,110	5,061,058,221	4,942,769,917	4,299,238,343
\$ 5,903,306,304	\$ 5,779,994,008	\$ 5,472,519,182	\$ 5,032,807,110	\$ 5,061,058,221	\$ 4,942,769,917
\$ 2,090,310,698	\$ 2,087,141,869	\$ 1,947,626,401	\$ 1,703,345,889	\$ 1,397,872,046	\$ 1,246,010,898
\$ 12,249,276	\$ 11,484,473	\$ 19,186,527	\$ 18,802,901	\$ 12,574,185	\$ 15,117,708
32,403,605	30,388,560	27,621,242	22,900,429	25,664,435	23,976,049
		(1,494,604)			
2,866,788	4,714,268	(170,781)	749,213	(194,994)	
		(94,881,687)	56,788,521	43,058,238	(49,542,278)
(19,512,312)	(18,052,544)	(16,700,117)	(15,476,437)	(15,280,070)	(13,943,335)
(1,438,814)	(1,490,014)	(1,383,061)	(1,028,890)		
\$ 26,568,543	\$ 27,044,743	\$ (67,822,481)	\$ 82,735,737	\$ 65,821,794	\$ (24,391,856)
434,052,092	407,007,349	474,829,830	392,094,093	326,272,299	350,664,155
\$ 460,620,635	\$ 434,052,092	\$ 407,007,349	\$ 474,829,830	\$ 392,094,093	\$ 326,272,299
\$ 10,572,559	\$ 10,366,141	\$ 7,562,105	\$ 7,316,674	\$ 6,902,448	\$ 6,689,311
8,615,935	8,469,282	7,188,857	6,982,217	6,623,175	6,447,179
20,396,435	29,157,838	35,511,246	6,063,591	13,041,786	41,789,437
(19,512,312)	(18,052,544)	(16,700,117)	(15,476,437)	(15,280,070)	(13,943,335)
(246,523)	(432,091)	(387,378)	(322,584)	(247,405)	(203,493)
(1,438,814)	(1,490,014)	(1,383,061)	(1,028,890)		
(44,792)	(48,421)	(33,489)	(77,778)		
\$ 18,342,488	\$ 27,970,191	\$ 31,758,163	\$ 3,456,793	\$ 11,039,934	\$ 40,779,099
358,880,360	330,910,169	299,152,006	295,695,213	284,655,279	243,876,180
\$ 377,222,848	\$ 358,880,360	\$ 330,910,169	\$ 299,152,006	\$ 295,695,213	\$ 284,655,279
\$ 83,397,787	\$ 75,171,732	\$ 76,097,180	\$ 175,677,824	\$ 96,398,880	\$ 41,617,020

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Required Supplementary Information

#### Schedule of Changes in Multiple-Employer Plans Net Pension Liability / (Asset)

as of June 30, 2023

Last 10 Fiscal Years

Fiscal Year	2023	2022	2021	2020
<b>GWPORS</b>				
<b>Total pension liability</b>				
Service cost	\$ 13,480,972	\$ 10,138,942	\$ 12,315,331	\$ 8,029,455
Interest	23,304,867	21,166,541	19,379,138	18,535,089
Changes of benefit terms				
Differences between expected and actual experience	11,463,147	(1,278,907)	4,926,763	(2,026,639)
Changes of assumptions	(99,900,321)	89,102,385	(68,688,250)	85,967,147
Benefit payments	(11,837,894)	(10,617,274)	(9,282,705)	(8,247,117)
Refunds of Contributions	(1,104,377)	(1,463,999)	(870,457)	(1,200,125)
<b>Net change in total pension liability</b>	<b>\$ (64,593,606)</b>	<b>\$ 107,047,688</b>	<b>\$ (42,220,180)</b>	<b>\$ 101,057,810</b>
Total pension liability / (asset) - beginning	412,897,681	305,849,993	348,070,173	247,012,363
<b>Total pension liability / (asset) - ending (a)</b>	<b>\$ 348,304,075</b>	<b>\$ 412,897,681</b>	<b>\$ 305,849,993</b>	<b>\$ 348,070,173</b>
<b>Plan fiduciary net position</b>				
Contributions - employer	\$ 5,278,875	\$ 4,940,955	\$ 5,411,275	\$ 4,868,538
Contributions - non-employer				
Contributions - member	6,475,715	6,074,793	6,392,898	5,803,119
Net investment income	21,970,757	(11,720,230)	59,127,888	5,583,071
Benefit payments	(11,837,894)	(10,617,274)	(9,282,705)	(8,247,117)
Administrative expense	(184,140)	(168,880)	(234,188)	(240,254)
Refunds of Contributions	(1,104,377)	(1,463,999)	(870,457)	(1,200,125)
Other	44,606		(62,854)	(4,006)
<b>Net change in plan fiduciary net position</b>	<b>\$ 20,643,542</b>	<b>\$ (12,954,635)</b>	<b>\$ 60,481,857</b>	<b>\$ 6,563,226</b>
Plan fiduciary net position - beginning	260,437,413	273,392,048	212,910,191	206,346,965
Plan fiduciary net position - ending (b)	\$ 281,080,955	\$ 260,437,413	\$ 273,392,048	\$ 212,910,191
<b>Net pension liability / (asset) - ending (a-b)</b>	<b>\$ 67,223,120</b>	<b>\$ 152,460,268</b>	<b>\$ 32,457,945</b>	<b>\$ 135,159,982</b>
<b>MPORS</b>				
<b>Total pension liability</b>				
Service cost	\$ 15,772,131	\$ 15,919,004	\$ 14,219,088	\$ 12,709,957
Interest	56,668,432	51,744,471	49,760,988	47,714,970
Changes of benefit terms				
Differences between expected and actual experience	3,108,321	1,400,754	(1,960,505)	(1,029,413)
Changes of assumptions		(6,045,237)	27,835,016	27,713,282
Benefit payments	(33,966,660)	(31,856,925)	(29,790,973)	(27,866,365)
Refunds of Contributions	(2,748,037)	(2,299,882)	(5,797,580)	(2,327,658)
<b>Net change in total pension liability</b>	<b>\$ 38,834,187</b>	<b>\$ 28,862,185</b>	<b>\$ 54,266,034</b>	<b>\$ 56,914,773</b>
Total pension liability / (asset) - beginning	778,865,103	750,002,918	695,736,884	638,822,111
<b>Total pension liability / (asset) - ending (a)</b>	<b>\$ 817,699,290</b>	<b>\$ 778,865,103</b>	<b>\$ 750,002,918</b>	<b>\$ 695,736,884</b>
<b>Plan fiduciary net position</b>				
Contributions - employer	\$ 9,723,812	\$ 8,916,384	\$ 8,534,618	\$ 8,272,676
Contributions - non-employer	19,624,763	18,122,207	17,347,097	16,685,125
Contributions - member	6,101,188	5,579,938	5,453,705	5,214,262
Net investment income	44,606,303	(23,865,392)	121,593,538	11,657,780
Benefit payments	(33,966,660)	(31,856,925)	(29,790,973)	(27,866,365)
Administrative expense	(173,427)	(160,164)	(204,819)	(240,967)
Refunds of Contributions	(2,748,037)	(2,299,882)	(5,797,580)	(2,327,658)
Other	40,412		(71,006)	(22,301)
<b>Net change in plan fiduciary net position</b>	<b>\$ 43,208,354</b>	<b>\$ (25,563,834)</b>	<b>\$ 117,064,580</b>	<b>\$ 11,372,552</b>
Plan fiduciary net position - beginning	542,651,228	568,215,062	451,150,482	439,777,930
Plan fiduciary net position - ending (b)	\$ 585,859,582	\$ 542,651,228	\$ 568,215,062	\$ 451,150,482
<b>Net pension liability / (asset) - ending (a-b)</b>	<b>\$ 231,839,708</b>	<b>\$ 236,213,875</b>	<b>\$ 181,787,856</b>	<b>\$ 244,586,402</b>

## FINANCIAL SECTION

2019	2018	2017	2016	2015	2014
\$ 8,004,271	\$ 8,097,630	\$ 8,624,297	\$ 8,403,076	\$ 8,008,155	\$ 7,849,828
17,617,514	16,018,113	14,268,596	12,910,129	12,398,209	11,258,354
(4,728,366)	4,780,923	3,742,704	2,705,238	730,818	
(7,349,795)	(6,522,921)	5,877,594	(5,068,318)	(5,351,847)	(5,229,489)
(1,000,919)	(1,105,281)	(5,809,910)	(1,035,917)		
\$ 12,542,705	\$ 21,268,464	\$ 25,667,364	\$ 17,884,584	\$ 15,785,335	\$ 13,878,693
234,469,658	213,201,194	187,533,830	169,649,246	153,863,911	139,985,218
\$ 247,012,363	\$ 234,469,658	\$ 213,201,194	\$ 187,533,830	\$ 169,649,246	\$ 153,863,911
\$ 4,686,260	\$ 4,613,066	\$ 4,463,631	\$ 4,278,385	\$ 4,088,117	\$ 3,762,217
5,565,627	5,512,148	5,278,141	5,035,648	4,924,265	4,461,889
11,124,693	15,573,117	18,589,670	3,166,704	6,434,871	20,069,398
(7,349,795)	(6,522,921)	(5,809,910)	(5,068,318)	(5,351,847)	(5,229,489)
(202,040)	(369,184)	(328,699)	(269,496)	(200,745)	(161,663)
(1,000,919)	(1,105,281)	(1,035,917)	(1,065,541)		
611	(19,293)	(549)	(30,640)		
\$ 12,824,437	\$ 17,681,652	\$ 21,156,367	\$ 6,046,742	\$ 9,894,661	\$ 22,902,352
193,522,528	175,840,876	154,684,509	148,637,767	138,743,106	115,840,754
\$ 206,346,965	\$ 193,522,528	\$ 175,840,876	\$ 154,684,509	\$ 148,637,767	\$ 138,743,106
\$ 40,665,398	\$ 40,947,130	\$ 37,360,318	\$ 32,849,321	\$ 21,011,479	\$ 15,120,805
\$ 12,020,270	\$ 12,248,910	\$ 12,267,430	\$ 12,022,841	\$ 12,083,166	\$ 11,794,994
43,960,204	41,949,138	39,632,065	37,887,975	36,830,426	35,011,854
23,127,175	640,064	(5,057,920)	(3,546,948)	(2,014,310)	
(26,220,684)	(24,566,646)	16,011,685	(21,960,690)	(22,743,995)	(20,527,874)
(3,636,764)	(2,675,247)	(23,474,602)	(1,240,208)		
\$ 49,250,201	\$ 27,596,219	\$ 38,335,171	\$ 23,162,970	\$ 24,155,287	\$ 26,278,974
589,571,910	561,975,691	523,640,520	500,477,550	476,322,263	450,043,289
\$ 638,822,111	\$ 589,571,910	\$ 561,975,691	\$ 523,640,520	\$ 500,477,550	\$ 476,322,263
\$ 7,853,234	\$ 7,757,950	\$ 7,091,246	\$ 6,927,587	\$ 6,629,915	\$ 6,459,488
15,990,599	15,840,158	13,960,572	13,751,561	13,432,838	13,048,938
5,037,799	5,046,352	4,465,630	4,384,573	4,291,826	4,133,021
22,635,730	33,237,702	39,775,778	7,112,851	14,471,898	45,230,427
(26,220,684)	(24,566,646)	(23,474,602)	(21,960,690)	(22,743,995)	(20,527,874)
(189,981)	(350,328)	(339,344)	(273,951)	(212,017)	(166,807)
(3,636,764)	(2,675,247)	(1,043,487)	(1,240,208)		
(6,299)	(37,861)	(491)	(131,634)		
\$ 21,463,634	\$ 34,252,080	\$ 40,435,302	\$ 8,570,089	\$ 15,870,465	\$ 48,177,193
418,314,296	384,062,216	343,626,914	335,056,825	319,186,360	271,009,167
\$ 439,777,930	\$ 418,314,296	\$ 384,062,216	\$ 343,626,914	\$ 335,056,825	\$ 319,186,360
\$ 199,044,181	\$ 171,257,614	\$ 177,913,475	\$ 180,013,606	\$ 165,420,725	\$ 157,135,903

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Required Supplementary Information

#### Schedule of Changes in Multiple-Employer Plans Net Pension Liability / (Asset)

as of June 30, 2023

Last 10 Fiscal Years

Fiscal Year	2023	2022	2021	2020
<b>FURS</b>				
<b>Total pension liability</b>				
Service cost	\$ 18,266,315	\$ 16,569,879	\$ 15,001,370	\$ 13,086,953
Interest	54,760,901	48,124,314	45,515,522	43,027,646
Changes of benefit terms				
Differences between expected and actual experience	5,949,425	7,640,949	4,272,499	3,445,064
Changes of assumptions		9,287,822	26,277,324	25,851,699
Benefit payments	(32,131,050)	(30,353,865)	(28,529,988)	(26,838,506)
Refunds of Contributions	(223,760)	(66,244)	(93,251)	(61,799)
Net change in total pension liability	\$ 46,621,831	\$ 51,202,855	\$ 62,443,476	\$ 58,511,057
Total pension liability / (asset) - beginning	748,060,423	696,857,568	634,414,092	575,903,035
Total pension liability / (asset) - ending (a)	\$ 794,682,254	\$ 748,060,423	\$ 696,857,568	\$ 634,414,092
<b>Plan fiduciary net position</b>				
Contributions - employer	\$ 9,431,940	\$ 8,590,809	\$ 8,051,622	\$ 7,887,237
Contributions - non-employer	21,406,468	19,436,204	18,274,536	17,807,526
Contributions - member	7,055,269	6,440,593	6,091,044	5,938,345
Net investment income	48,812,434	(25,986,717)	129,637,798	12,246,535
Benefit payments	(32,131,050)	(30,353,865)	(28,529,988)	(26,838,506)
Administrative expense	(142,815)	(130,922)	(180,813)	(224,096)
Refunds of Contributions	(223,760)	(66,244)	(93,251)	(61,799)
Other	285,099	(3,046)	93,985	(7,444)
Net change in plan fiduciary net position	\$ 54,493,585	\$ (22,073,188)	\$ 133,344,933	\$ 16,747,798
Plan fiduciary net position - beginning	589,208,686	611,281,874	477,936,941	461,189,143
Plan fiduciary net position - ending (b)	\$ 643,702,271	\$ 589,208,686	\$ 611,281,874	\$ 477,936,941
Net pension liability / (asset) - ending (a-b)	\$ 150,979,983	\$ 158,851,737	\$ 85,575,694	\$ 156,477,151
<b>VFCA</b>				
<b>Total pension liability</b>				
Service cost	\$ 740,838	\$ 129,066	\$ 153,567	\$ 125,315
Interest	3,758,541	3,488,300	3,483,301	3,460,874
Changes of benefit terms				
Differences between expected and actual experience	(1,484,412)	(4,317,470)	143,313	375,549
Changes of assumptions		5,154,975	1,285,591	1,344,856
Benefit payments	(3,126,387)	(3,109,995)	(3,115,695)	(3,065,017)
Refunds of Contributions				
Net change in total pension liability	\$ (111,420)	\$ 1,344,876	\$ 1,950,077	\$ 2,241,577
Total pension liability / (asset) - beginning	52,309,218	50,964,342	49,014,265	46,772,688
Total pension liability / (asset) - ending (a)	\$ 52,197,798	\$ 52,309,218	\$ 50,964,342	\$ 49,014,265
<b>Plan fiduciary net position</b>				
Contributions - employer				
Contributions - non-employer	\$ 3,156,488	\$ 2,851,975	\$ 2,591,791	\$ 2,486,772
Contributions - member				
Net investment income	3,827,198	(1,965,536)	10,628,290	1,045,894
Benefit payments	(3,126,387)	(3,109,995)	(3,115,695)	(3,065,017)
Administrative expense	(335,940)	(331,750)	(357,814)	(414,114)
Refunds of Contributions				
Other			(13,350)	(11,337)
Net change in plan fiduciary net position	\$ 3,521,359	\$ (2,555,306)	\$ 9,733,222	\$ 42,198
Plan fiduciary net position - beginning	47,086,152	49,641,458	39,908,236	39,866,038
Plan fiduciary net position - ending (b)	\$ 50,607,511	\$ 47,086,152	\$ 49,641,458	\$ 39,908,236
Net pension liability / (asset) - ending (a-b)	\$ 1,590,287	\$ 5,223,066	\$ 1,322,884	\$ 9,106,029

## FINANCIAL SECTION

2019	2018	2017	2016	2015	2014
\$ 12,421,310	\$ 11,819,193	\$ 12,162,734	\$ 11,519,465	\$ 11,066,391	\$ 10,608,895
41,022,969	37,983,963	35,230,726	33,514,243	32,580,262	30,847,306
(931,198)	14,798,655	893,628	(1,162,342)	(159,885)	
(25,626,191)	(23,863,193)	16,915,553	(20,896,200)	(19,747,008)	(19,052,130)
(89,824)	(173,278)	(168,422)	(46,128)		
\$ 26,797,066	\$ 40,565,340	\$ 42,698,583	\$ 22,929,038	\$ 23,739,760	\$ 22,404,071
549,105,969	508,540,629	465,842,046	442,913,008	419,173,248	396,769,177
\$ 575,903,035	\$ 549,105,969	\$ 508,540,629	\$ 465,842,046	\$ 442,913,008	\$ 419,173,248
\$ 7,323,532	\$ 7,053,165	\$ 6,499,776	\$ 6,163,464	\$ 6,100,252	\$ 6,006,863
16,566,861	16,127,433	14,438,412	13,969,719	13,572,990	12,767,624
5,527,363	5,314,833	4,925,425	4,751,806	4,710,082	4,697,333
23,722,343	34,284,721	40,838,569	7,311,946	14,640,156	45,464,858
(25,626,191)	(23,863,193)	(22,335,636)	(20,896,200)	(19,747,008)	(19,052,130)
(170,851)	(329,234)	(320,213)	(259,560)	(197,110)	(153,622)
(89,824)	(173,278)	(168,422)	(46,128)		
1,405	13,978	(485)	(2,424)		
\$ 27,254,638	\$ 38,428,425	\$ 43,877,426	\$ 10,992,623	\$ 19,079,362	\$ 49,730,926
433,934,505	395,506,080	351,628,654	340,636,031	321,556,669	271,825,743
\$ 461,189,143	\$ 433,934,505	\$ 395,506,080	\$ 351,628,654	\$ 340,636,031	\$ 321,556,669
\$ 114,713,892	\$ 115,171,464	\$ 113,034,549	\$ 114,213,392	\$ 102,276,977	\$ 97,616,579
\$ 112,527	\$ 92,294	\$ 267,843	\$ 282,498	\$ 221,969	\$ 237,639
3,434,677	3,461,285	3,336,579	3,355,483	2,851,618	2,843,095
(173,854)	(930,963)	(791,792)	(1,141,179)	6,173,245	
(2,996,808)	(2,944,046)	2,281,533	(2,623,011)	(618,854)	
		(2,858,443)		(2,379,353)	(2,294,676)
\$ 376,542	\$ (321,430)	\$ 2,235,720	\$ (126,209)	\$ 6,248,625	\$ 786,058
46,396,146	46,717,576	44,481,856	44,608,065	38,359,440	37,573,382
\$ 46,772,688	\$ 46,396,146	\$ 46,717,576	\$ 44,481,856	\$ 44,608,065	\$ 38,359,440
\$ 2,370,454	\$ 2,212,113	\$ 2,064,561	\$ 2,036,297	\$ 1,913,482	\$ 1,818,237
2,070,508	3,126,746	3,836,835	622,331	1,479,954	4,815,491
(2,996,808)	(2,944,046)	(2,858,443)	(2,623,011)	(2,379,353)	(2,294,676)
(296,866)	(293,142)	(288,897)	(241,726)	(180,466)	(136,079)
(10,875)	(2,478)	(6,897)	(14,436)		
\$ 1,136,413	\$ 2,099,193	\$ 2,747,159	\$ (220,545)	\$ 833,617	\$ 4,202,973
38,729,625	36,630,432	33,883,273	34,103,818	33,270,201	29,067,228
\$ 39,866,038	\$ 38,729,625	\$ 36,630,432	\$ 33,883,273	\$ 34,103,818	\$ 33,270,201
\$ 6,906,650	\$ 7,666,521	\$ 10,087,144	\$ 10,598,583	\$ 10,504,247	\$ 5,089,239

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Required Supplementary Information

#### Schedule of Changes in Single-Employer Plans Net Pension Liability / (Asset)

as of June 30, 2023

Last 10 Fiscal Years

Fiscal Year	2023	2022	2021	2020
<b>JRS</b>				
<b>Total pension liability</b>				
Service Cost	\$ 1,908,017	\$ 2,021,754	\$ 1,896,963	\$ 1,748,288
Interest	5,301,061	5,099,382	4,948,543	4,842,414
Changes of benefit terms				
Differences between expected and actual experience	(2,569,357)	(2,781,784)	376,265	(261,841)
Changes of assumptions		(1,467,198)	1,869,369	1,911,905
Benefit payments	(4,427,197)	(4,356,996)	(4,204,547)	(4,038,362)
Net change in total pension liability	\$ 212,524	\$ (1,484,842)	\$ 4,886,593	\$ 4,202,404
Total pension liability / (asset) - beginning	72,922,865	74,407,707	69,521,114	65,318,710
Total pension liability / (asset) - ending (a)	\$ 73,135,389	\$ 72,922,865	\$ 74,407,707	\$ 69,521,114
<b>Plan fiduciary net position</b>				
Contributions - employer	\$ 296	\$ 79,282	\$ 2,139,151	\$ 1,988,166
Contributions - non-employer				
Contributions - member	647,761	629,033	589,463	560,108
Net investment income	10,331,304	(5,547,031)	29,149,599	2,827,148
Benefit payments	(4,427,197)	(4,356,996)	(4,204,547)	(4,038,362)
Administrative expense	(53,314)	(55,643)	(126,331)	(157,040)
Other	(39)		(3,374)	15
Net change in plan fiduciary net position	\$ 6,498,811	\$ (9,251,355)	\$ 27,543,961	\$ 1,180,035
Plan fiduciary net position - beginning	124,358,278	133,909,633	106,065,672	104,885,637
Plan fiduciary net position - ending (b) <sup>1</sup>	\$ 130,857,089	\$ 124,358,278	\$ 133,609,633	\$ 106,065,672
Net pension liability / (asset) - ending (a-b)	\$ (57,721,700)	\$ (51,435,413)	\$ (59,201,926)	\$ (36,544,558)
<b>HPORS</b>				
<b>Total pension liability</b>				
Service Cost	\$ 4,354,555	\$ 4,089,414	\$ 7,578,028	\$ 3,336,846
Interest	19,702,342	18,597,426	16,742,334	17,688,311
Changes of benefit terms				
Differences between expected and actual experience	1,537,638	(2,487,197)	1,912,795	(993,030)
Changes of assumptions		(2,749,503)	(125,247,098)	141,054,951
Benefit payments	(14,652,557)	(13,742,508)	(13,710,171)	(12,684,315)
Refund of Contributions	(747,967)	(1,515,412)	(2,026,383)	(331,169)
Net change in total pension liability	\$ 10,194,011	\$ 2,192,220	\$ (114,750,495)	\$ 148,071,594
Total pension liability / (asset) - beginning	273,240,808	271,048,588	385,799,083	237,727,489
Total pension liability / (asset) - ending (a)	\$ 283,434,819	\$ 273,240,808	\$ 271,048,588	\$ 385,799,083
<b>Plan fiduciary net position</b>				
Contributions - employer	\$ 6,908,350	\$ 6,639,274	\$ 6,423,043	\$ 6,002,897
Contributions - non-employer	2,205,826	4,213,133	224,258	226,239
Contributions - member	2,376,571	2,284,710	2,206,028	2,169,955
Net investment income	14,637,213	(7,840,616)	41,276,714	4,100,741
Benefit payments	(14,652,557)	(13,742,508)	(13,710,171)	(12,684,315)
Administrative expense	(79,030)	(77,306)	(342,178)	(163,315)
Refund of Contributions	(747,967)	(1,515,412)	(2,026,383)	(331,169)
Other			(39,963)	(130,951)
Net change in plan fiduciary net position	\$ 10,648,406	\$ (10,038,725)	\$ 34,011,348	\$ (809,918)
Plan fiduciary net position - beginning	175,940,332	185,979,057	151,967,709	152,777,627
Plan fiduciary net position - ending (b)	\$ 186,588,738	\$ 175,940,332	\$ 185,979,057	\$ 151,967,709
Net pension liability / (asset) - ending (a-b)	\$ 96,846,081	\$ 97,300,476	\$ 85,069,531	\$ 233,831,374

## FINANCIAL SECTION

	2019	2018	2017	2016	2015	2014
\$	1,771,629	\$ 1,664,039	\$ 1,628,290	\$ 1,578,705	\$ 1,652,926	\$ 1,593,854
	4,457,587	4,502,928	4,043,662	3,986,420	3,933,947	3,824,389
	2,743,465	(2,900,423)	862,189	(1,341,333)	(1,032,091)	
	(3,846,157)	(3,872,322)	3,864,700	(3,416,023)	(3,040,988)	(3,022,512)
\$	5,126,524	\$ (605,778)	\$ 6,844,506	\$ 807,769	\$ 1,513,794	\$ 2,395,731
	60,192,186	60,797,964	53,953,458	53,145,689	51,631,895	49,236,164
\$	65,318,710	\$ 60,192,186	\$ 60,797,964	\$ 53,953,458	\$ 53,145,689	\$ 51,631,895
\$	(281)	\$ 1,084,880	\$ 1,800,105	\$ 1,807,493	\$ 1,683,990	\$ 1,651,483
	516,777	575,050	488,208	729,180	534,091	481,461
	5,687,228	8,467,204	10,368,402	1,778,748	3,842,387	12,420,597
	(3,846,157)	(3,872,322)	(3,554,335)	(3,416,023)	(3,040,988)	(3,022,512)
	(122,618)	(264,496)	(253,789)	(197,445)	(135,815)	(100,567)
		6,737	(674)	(2,742)		
\$	2,234,949	\$ 5,997,053	\$ 8,847,917	\$ 699,211	\$ 2,883,665	\$ 11,430,462
	102,650,688	96,653,635	87,805,718	87,106,507	84,222,842	72,792,380
\$	104,885,637	\$ 102,650,688	\$ 96,653,635	\$ 87,805,718	\$ 87,106,507	\$ 84,222,842
\$	(39,566,927)	\$ (42,458,502)	\$ (35,855,671)	\$ (33,852,260)	\$ (33,960,818)	\$ (32,590,947)
\$	3,453,066	\$ 3,643,015	\$ 3,664,857	\$ 3,798,553	\$ 3,598,464	\$ 3,464,399
	16,926,240	16,293,615	15,121,088	14,545,022	14,112,116	13,517,924
	2,412,675	589,270	2,773,680	18,339	1,855,618	
			7,892,479		267,336	
	(12,062,607)	(11,545,732)	(11,036,794)	(10,482,414)	(10,000,856)	(9,443,007)
	(582,438)	(321,840)	(244,597)	(93,811)		
\$	10,146,936	\$ 8,658,328	\$ 18,170,713	\$ 7,785,689	\$ 9,832,678	\$ 7,539,316
	227,580,553	218,922,225	200,751,512	192,965,823	183,133,145	175,593,829
\$	237,727,489	\$ 227,580,553	\$ 218,922,225	\$ 200,751,512	\$ 192,965,823	\$ 183,133,145
\$	5,844,909	\$ 5,858,493	\$ 5,782,258	\$ 5,915,644	\$ 5,839,336	\$ 5,735,507
	233,139	250,150	262,884	242,749		
	2,002,319	2,386,526	1,949,795	1,917,487	1,624,327	1,458,042
	8,268,830	12,282,824	15,098,813	2,605,256	5,738,373	18,678,284
	(12,062,607)	(11,545,732)	(11,036,794)	(10,482,414)	(10,000,856)	(9,443,007)
	(127,400)	(256,309)	(248,124)	(197,034)	(144,253)	(109,140)
	(582,438)	(321,840)	(244,597)	(93,811)		
	2,007	8,067	(466)	(2,276)		
\$	3,578,759	\$ 8,662,179	\$ 11,563,769	\$ (94,399)	\$ 3,056,927	\$ 16,319,686
	149,198,868	140,536,689	128,972,920	129,067,319	126,010,392	109,690,706
\$	152,777,627	\$ 149,198,868	\$ 140,536,689	\$ 128,972,920	\$ 129,067,319	\$ 126,010,392
\$	84,949,862	\$ 78,381,685	\$ 78,385,536	\$ 71,778,592	\$ 63,898,504	\$ 57,122,753

## FINANCIAL SECTION

**Public Employees' Retirement Board**  
*A Component Unit of the State of Montana*  
**Required Supplementary Information**  
**Schedule of Net Pension Liability / (Asset) for Multiple-Employer Plans**  
**as of June 30, 2023**  
 Last 10 Fiscal Years

Fiscal Year	2023	2022	2021	2020
<b>PERS-DBRP</b>				
Total Pension Liability	\$ 9,361,215,642	\$ 9,026,784,090	\$ 9,023,248,586	\$ 8,483,685,413
Plan Fiduciary Net Position	6,920,861,726	6,648,898,896	7,210,026,882	5,845,474,024
Multiple-Employers' Net Pension Liability / (Asset)	<u>\$ 2,440,353,916</u>	<u>\$ 2,377,885,194</u>	<u>\$ 1,813,221,704</u>	<u>\$ 2,638,211,389</u>
Plan fiduciary net position as a percentage of the total pension liability	73.93%	73.66%	79.91%	68.90%
Covered Payroll	\$ 1,453,317,132	\$ 1,349,882,543	\$ 1,361,589,739	\$ 1,280,557,497
Net pension liability / (asset) as a percentage of covered payroll <sup>1</sup>	167.92%	176.15%	133.17%	206.02%
<b>SRS</b>				
Total Pension Liability	\$ 641,662,416	\$ 597,118,496	\$ 557,551,239	\$ 506,180,744
Plan Fiduciary Net Position	494,669,262	460,194,880	484,711,071	384,294,754
Multiple-Employers' Net Pension Liability / (Asset)	<u>\$ 146,993,154</u>	<u>\$ 136,923,616</u>	<u>\$ 72,840,168</u>	<u>\$ 121,885,990</u>
Plan fiduciary net position as a percentage of the total pension liability	77.09%	77.07%	86.94%	75.92%
Covered Payroll	\$ 102,449,725	\$ 96,370,364	\$ 90,869,369	\$ 84,942,848
Net pension liability / (asset) as a percentage of covered payroll	143.48%	142.08%	80.16%	143.49%
<b>GWPORS</b>				
Total Pension Liability	\$ 348,304,075	\$ 412,897,681	\$ 305,849,993	\$ 348,070,173
Plan Fiduciary Net Position	281,080,955	260,437,413	273,392,048	212,910,191
Multiple-Employers' Net Pension Liability / (Asset)	<u>\$ 67,223,120</u>	<u>\$ 152,460,268</u>	<u>\$ 32,457,945</u>	<u>\$ 135,159,982</u>
Plan fiduciary net position as a percentage of the total pension liability	80.70%	63.08%	89.39%	61.17%
Covered Payroll	\$ 58,393,246	\$ 54,286,855	\$ 60,022,906	\$ 53,825,163
Net pension liability / (asset) as a percentage of covered payroll	115.12%	280.84%	54.08%	251.11%

## FINANCIAL SECTION

2019	2018	2017	2016	2015	2014
\$ 7,993,617,002	\$ 7,867,135,877	\$ 7,420,145,583	\$ 6,736,152,999	\$ 6,458,930,267	\$ 6,188,780,815
<u>5,903,306,304</u>	<u>5,779,994,008</u>	<u>5,472,519,182</u>	<u>5,032,807,110</u>	<u>5,061,058,221</u>	<u>4,942,769,917</u>
<u>\$ 2,090,310,698</u>	<u>\$ 2,087,141,869</u>	<u>\$ 1,947,626,401</u>	<u>\$ 1,703,345,889</u>	<u>\$ 1,397,872,046</u>	<u>\$ 1,246,010,898</u>
73.85%	73.47%	73.75%	74.71%	78.36%	79.87%
\$ 1,247,343,733	\$ 1,230,105,350	\$ 1,232,066,537	\$ 1,185,646,179	\$ 1,154,866,605	\$ 1,120,266,025
167.58%	169.67%	158.08%	143.66%	121.04%	111.22%
\$ 460,620,635	\$ 434,052,092	\$ 407,007,349	\$ 474,829,830	\$ 392,094,093	\$ 326,272,299
<u>377,222,848</u>	<u>358,880,360</u>	<u>330,910,169</u>	<u>299,152,006</u>	<u>295,695,213</u>	<u>284,655,279</u>
<u>\$ 83,397,787</u>	<u>\$ 75,171,732</u>	<u>\$ 76,097,180</u>	<u>\$ 175,677,824</u>	<u>\$ 96,398,880</u>	<u>\$ 41,617,020</u>
81.89%	82.68%	81.30%	63.00%	75.41%	87.24%
\$ 80,461,048	\$ 77,587,294	\$ 74,581,258	\$ 70,593,304	\$ 68,045,517	\$ 64,672,635
103.65%	96.89%	102.03%	248.86%	141.67%	64.35%
\$ 247,012,363	\$ 234,469,658	\$ 213,201,194	\$ 187,533,830	\$ 169,649,246	\$ 153,863,911
<u>206,346,965</u>	<u>193,522,528</u>	<u>175,840,876</u>	<u>154,684,509</u>	<u>148,637,767</u>	<u>138,743,106</u>
<u>\$ 40,665,398</u>	<u>\$ 40,947,130</u>	<u>\$ 37,360,318</u>	<u>\$ 32,849,321</u>	<u>\$ 21,011,479</u>	<u>\$ 15,120,805</u>
83.54%	82.54%	82.48%	82.48%	87.61%	90.17%
\$ 51,676,963	\$ 50,823,150	\$ 49,381,004	\$ 47,108,310	\$ 44,884,739	\$ 41,636,566
78.69%	80.57%	75.66%	69.73%	46.81%	36.32%

## FINANCIAL SECTION

**Public Employees' Retirement Board**  
*A Component Unit of the State of Montana*  
**Required Supplementary Information**  
**Schedule of Net Pension Liability / (Asset) for Multiple-Employer Plans**  
**as of June 30, 2023**  
 Last 10 Fiscal Years

Fiscal Year	2023	2022	2021	2020
<b>MPORS</b>				
Total Pension Liability	\$ 817,699,290	\$ 778,865,103	\$ 750,002,918	\$ 695,736,884
Plan Fiduciary Net Position	585,859,582	542,651,228	568,215,062	451,150,482
Multiple-Employers' Net Pension Liability / (Asset)	<u>\$ 231,839,708</u>	<u>\$ 236,213,875</u>	<u>\$ 181,787,856</u>	<u>\$ 244,586,402</u>
Plan fiduciary net position as a percentage of the total pension liability	71.65%	69.67%	75.76%	64.84%
Covered Payroll	\$ 66,806,214	\$ 61,329,209	\$ 59,216,593	\$ 56,783,680
Net pension liability / (asset) as a percentage of covered payroll	347.03%	385.16%	306.99%	430.73%
<b>FURS</b>				
Total Pension Liability	\$ 794,682,254	\$ 748,060,423	\$ 696,857,568	\$ 634,414,092
Plan Fiduciary Net Position	643,702,271	589,208,686	611,281,874	477,936,941
Multiple-Employers' Net Pension Liability / (Asset)	<u>\$ 150,979,983</u>	<u>\$ 158,851,737</u>	<u>\$ 85,575,694</u>	<u>\$ 156,477,151</u>
Plan fiduciary net position as a percentage of the total pension liability	81.00%	78.76%	87.72%	75.34%
Covered Payroll	\$ 65,574,963	\$ 59,394,409	\$ 56,281,681	\$ 53,858,929
Net pension liability / (asset) as a percentage of covered payroll	230.24%	267.45%	152.05%	290.53%
<b>VFCA</b>				
Total Pension Liability	\$ 52,197,798	\$ 52,309,218	\$ 50,964,342	\$ 49,014,265
Plan Fiduciary Net Position	50,607,511	47,086,152	49,641,458	39,908,236
Multiple-Employers' Net Pension Liability / (Asset)	<u>\$ 1,590,287</u>	<u>\$ 5,223,066</u>	<u>\$ 1,322,884</u>	<u>\$ 9,106,029</u>
Plan fiduciary net position as a percentage of the total pension liability	96.95%	90.02%	97.40%	81.42%
Covered Payroll	N/A	N/A	N/A	N/A
Net pension liability / (asset) as a percentage of covered payroll	N/A	N/A	N/A	N/A

2019	2018	2017	2016	2015	2014
\$ 638,822,111	\$ 589,571,910	\$ 561,975,691	\$ 523,640,520	\$ 500,477,550	\$ 476,322,263
<u>439,777,930</u>	<u>418,314,296</u>	<u>384,062,216</u>	<u>343,626,914</u>	<u>335,056,825</u>	<u>319,186,360</u>
<u>\$ 199,044,181</u>	<u>\$ 171,257,614</u>	<u>\$ 177,913,475</u>	<u>\$ 180,013,606</u>	<u>\$ 165,420,725</u>	<u>\$ 157,135,903</u>
68.84%	70.95%	68.34%	65.62%	66.95%	67.01%
\$ 54,282,431	\$ 52,035,958	\$ 48,603,580	\$ 47,233,801	\$ 45,736,127	\$ 44,426,617
366.68%	329.11%	366.05%	381.11%	361.69%	353.70%
<hr/>					
\$ 575,903,035	\$ 549,105,969	\$ 508,540,629	\$ 465,842,046	\$ 442,913,008	\$ 419,173,248
<u>461,189,143</u>	<u>433,934,505</u>	<u>395,506,080</u>	<u>351,628,654</u>	<u>340,636,031</u>	<u>321,556,669</u>
<u>\$ 114,713,892</u>	<u>\$ 115,171,464</u>	<u>\$ 113,034,549</u>	<u>\$ 114,213,392</u>	<u>\$ 102,276,977</u>	<u>\$ 97,616,579</u>
80.08%	79.03%	77.77%	75.48%	76.91%	76.71%
\$ 50,756,445	\$ 47,934,517	\$ 45,208,091	\$ 43,118,925	\$ 41,627,233	\$ 39,891,869
226.01%	240.27%	250.03%	264.88%	245.70%	244.70%
<hr/>					
\$ 46,772,688	\$ 46,396,146	\$ 46,717,576	\$ 44,481,856	\$ 44,608,065	\$ 38,359,440
<u>39,866,038</u>	<u>38,729,625</u>	<u>36,630,432</u>	<u>33,883,273</u>	<u>34,103,818</u>	<u>33,270,201</u>
<u>\$ 6,906,650</u>	<u>\$ 7,666,521</u>	<u>\$ 10,087,144</u>	<u>\$ 10,598,583</u>	<u>\$ 10,504,247</u>	<u>\$ 5,089,239</u>
85.23%	83.48%	78.41%	76.17%	76.45%	86.73%
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Required Supplementary Information

#### Schedule of Net Pension Liability / (Asset) for Single-Employer Plans

**as of June 30, 2023**

Last 10 Fiscal Years

Fiscal Year	2023	2022	2021	2020
<b>JRS</b>				
Total Pension Liability	\$ 73,135,389	\$ 72,922,865	\$ 74,407,707	\$ 69,521,114
Plan Fiduciary Net Position	<u>130,857,089</u>	<u>124,358,278</u>	<u>133,609,633</u>	<u>106,065,672</u>
Single-Employers' Net Pension Liability / (Asset)	<u>\$ (57,721,700)</u>	<u>\$ (51,435,413)</u>	<u>\$ (59,201,926)</u>	<u>\$ (36,544,558)</u>
Plan fiduciary net position as a percentage of the total pension liability	178.92%	170.53%	179.56%	152.57%
Covered Payroll	\$ 8,561,115	\$ 8,408,166	\$ 8,281,631	\$ 8,001,462
Net pension liability / (asset) as a percentage of covered payroll	(674.23)%	(611.73)%	(714.86)%	(456.72)%
<b>HPORS</b>				
Total Pension Liability	\$ 283,434,819	\$ 273,240,808	\$ 271,048,588	\$ 385,799,083
Plan Fiduciary Net Position	<u>186,588,738</u>	<u>175,940,332</u>	<u>185,979,057</u>	<u>151,967,709</u>
Single-Employers' Net Pension Liability / (Asset)	<u>\$ 96,846,081</u>	<u>\$ 97,300,476</u>	<u>\$ 85,069,531</u>	<u>\$ 233,831,374</u>
Plan fiduciary net position as a percentage of the total pension liability	65.83%	64.39%	68.61%	39.39%
Covered Payroll	\$ 18,004,509	\$ 17,274,748	\$ 16,630,576	\$ 15,607,832
Net pension liability / (asset) as a percentage of covered payroll	537.90%	563.25%	511.52%	1,498.17%

2019	2018	2017	2016	2015	2014
\$ 65,318,710	\$ 60,192,186	\$ 60,797,964	\$ 53,953,458	\$ 53,145,689	\$ 51,631,895
<u>104,885,637</u>	<u>102,650,688</u>	<u>96,653,635</u>	<u>87,805,718</u>	<u>87,106,507</u>	<u>84,222,842</u>
<u>\$ (39,566,927)</u>	<u>\$ (42,458,502)</u>	<u>\$ (35,855,671)</u>	<u>\$ (33,852,260)</u>	<u>\$ (33,960,818)</u>	<u>\$ (32,590,947)</u>
160.58%	170.54%	158.98%	162.74%	163.90%	163.12%
\$ 7,382,476	\$ 7,290,904	\$ 6,974,470	\$ 6,920,367	\$ 6,524,569	\$ 6,354,763
(535.96)%	(582.35)%	(514.10)%	(489.17)%	(520.51)%	(512.86)%
<hr/>					
\$ 237,727,489	\$ 227,580,553	\$ 218,922,225	\$ 200,751,512	\$ 192,965,823	\$ 183,133,145
<u>152,777,627</u>	<u>149,198,868</u>	<u>140,536,689</u>	<u>128,972,920</u>	<u>129,067,319</u>	<u>126,010,392</u>
<u>\$ 84,949,862</u>	<u>\$ 78,381,685</u>	<u>\$ 78,385,536</u>	<u>\$ 71,778,592</u>	<u>\$ 63,898,504</u>	<u>\$ 57,122,753</u>
64.27%	65.56%	64.19%	64.25%	66.89%	68.81%
\$ 15,177,612	\$ 15,251,339	\$ 14,778,975	\$ 15,275,964	\$ 14,549,378	\$ 14,149,269
559.71%	513.93%	530.39%	469.88%	439.18%	403.72%

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Required Supplementary Information

#### Schedule of Employer and Non-Employer (State) Contributions for Cost-Sharing Multiple-Employer Plans

**as of June 30, 2023**

(in thousands)

Last 10 Fiscal Years

Fiscal Year	2023	2022	2021	2020
<b>PERS-DBRP</b>				
Actuarially Determined Contribution	\$ 171,317	\$ 156,294	\$ 164,931	\$ 156,152
Actual Contributions in Relation to the Actuarially Determined Contribution				
Employer Contributions	131,912	120,533	121,136	111,991
Non-Employer Contributions (State)	36,176	35,761	35,389	35,009
<b>Total Contributions</b>	<b>\$ 168,088</b>	<b>\$ 156,294</b>	<b>\$ 156,525</b>	<b>\$ 147,000</b>
<b>Contribution Deficiency / (Excess)</b>	<b>\$ 3,229</b>	<b>\$ 0</b>	<b>\$ 8,406</b>	<b>\$ 9,152</b>
Covered Payroll	\$ 1,453,317	\$ 1,349,883	\$ 1,361,590	\$ 1,280,557
Contributions as a Percentage of Covered Payroll	11.57%	11.58%	11.50%	11.48%
<b>SRS</b>				
Actuarially Determined Contribution	\$ 13,760	\$ 12,703	\$ 11,897	\$ 11,175
Actual Contributions in Relation to the Actuarially Determined Contribution				
Employer Contributions	13,482	12,703	11,897	11,175
Non-Employer Contributions (State)				
<b>Total Contributions</b>	<b>\$ 13,482</b>	<b>\$ 12,703</b>	<b>\$ 11,897</b>	<b>\$ 11,175</b>
<b>Contribution Deficiency / (Excess)</b>	<b>\$ 278</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>
Covered Payroll	\$ 102,450	\$ 96,370	\$ 90,869	\$ 84,943
Contributions as a Percentage of Covered Payroll	13.16%	13.18%	13.09%	13.16%

2019	2018	2017	2016	2015	2014
\$ 152,663	\$ 141,310	\$ 132,295	\$ 133,128	\$ 131,424	\$ 137,681
107,258	106,651	103,537	102,328	100,176	95,820
34,642	34,659	28,758	30,800	34,467	34,562
<u>\$ 141,900</u>	<u>\$ 141,310</u>	<u>\$ 132,295</u>	<u>\$ 133,128</u>	<u>\$ 134,643</u>	<u>\$ 130,382</u>
<u>\$ 10,763</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ (3,219)</u>	<u>\$ 7,299</u>
\$ 1,247,344	\$ 1,230,105	\$ 1,232,067	\$ 1,185,646	\$ 1,154,867	\$ 1,120,266
11.38%	11.49%	10.74%	11.23%	11.66%	11.64%
\$ 10,573	\$ 10,366	\$ 10,095	\$ 8,640	\$ 9,737	\$ 9,779
10,573	10,366	7,562	7,317	6,902	6,689
<u>\$ 10,573</u>	<u>\$ 10,366</u>	<u>\$ 7,562</u>	<u>\$ 7,317</u>	<u>\$ 6,902</u>	<u>\$ 6,689</u>
<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 2,533</u>	<u>\$ 1,323</u>	<u>\$ 2,835</u>	<u>\$ 3,090</u>
\$ 80,461	\$ 77,587	\$ 74,581	\$ 70,593	\$ 68,046	\$ 64,673
13.14%	13.36%	10.14%	10.36%	10.14%	10.34%

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Required Supplementary Information

#### Schedule of Employer and Non-Employer (State) Contributions for Cost-Sharing Multiple-Employer Plans

**as of June 30, 2023**

(in thousands)

Last 10 Fiscal Years

Fiscal Year	2023	2022	2021	2020
<b>GWPORS</b>				
Actuarially Determined Contribution	\$ 8,006	\$ 5,100	\$ 5,754	\$ 5,350
Actual Contributions in Relation to the Actuarially Determined Contribution				
Employer Contributions	5,279	4,941	5,411	4,869
Non-Employer Contributions (State)				
<b>Total Contributions</b>	<b>\$ 5,279</b>	<b>\$ 4,941</b>	<b>\$ 5,411</b>	<b>\$ 4,869</b>
<b>Contribution Deficiency / (Excess)</b>	<b>\$ 2,727</b>	<b>\$ 159</b>	<b>\$ 343</b>	<b>\$ 481</b>
Covered Payroll	\$ 58,393	\$ 54,287	\$ 60,023	\$ 53,825
Contributions as a Percentage of Covered Payroll	9.04%	9.10%	9.02%	9.05%
<b>MPORS</b>				
Actuarially Determined Contribution	\$ 29,349	\$ 27,039	\$ 25,882	\$ 24,958
Actual Contributions in Relation to the Actuarially Determined Contribution				
Employer Contributions	9,724	8,917	8,535	8,273
Non-Employer Contributions (State)	19,625	18,122	17,347	16,685
<b>Total Contributions</b>	<b>\$ 29,349</b>	<b>\$ 27,039</b>	<b>\$ 25,882</b>	<b>\$ 24,958</b>
<b>Contribution Deficiency / (Excess)</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>
Covered Payroll	\$ 66,806	\$ 61,329	\$ 59,217	\$ 56,784
Contributions as a Percentage of Covered Payroll	43.93%	44.09%	43.71%	43.95%

2019	2018	2017	2016	2015	2014
\$ 5,285	\$ 5,213	\$ 5,495	\$ 4,707	\$ 5,256	\$ 4,976
4,686	4,613	4,464	4,278	4,088	3,762
<u>\$ 4,686</u>	<u>\$ 4,613</u>	<u>\$ 4,464</u>	<u>\$ 4,278</u>	<u>\$ 4,088</u>	<u>\$ 3,762</u>
<u>\$ 599</u>	<u>\$ 600</u>	<u>\$ 1,031</u>	<u>\$ 429</u>	<u>\$ 1,168</u>	<u>\$ 1,214</u>
\$ 51,677	\$ 50,823	\$ 49,381	\$ 47,108	\$ 44,885	\$ 41,637
9.07%	9.08%	9.04%	9.08%	9.11%	9.04%
\$ 23,844	\$ 23,598	\$ 21,052	\$ 20,679	\$ 17,229	\$ 17,922
7,853	7,758	7,091	6,928	6,630	6,459
15,991	15,840	13,961	13,751	13,433	13,049
<u>\$ 23,844</u>	<u>\$ 23,598</u>	<u>\$ 21,052</u>	<u>\$ 20,679</u>	<u>\$ 20,063</u>	<u>\$ 19,508</u>
<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ (2,834)</u>	<u>\$ (1,586)</u>
\$ 54,282	\$ 52,036	\$ 48,604	\$ 47,234	\$ 45,736	\$ 44,427
43.93%	45.35%	43.31%	43.78%	43.87%	43.91%

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Required Supplementary Information

#### Schedule of Employer and Non-Employer (State) Contributions for Cost-Sharing Multiple-Employer Plans

**as of June 30, 2023**

(in thousands)

Last 10 Fiscal Years

Fiscal Year	2023	2022	2021	2020
<b>FURS</b>				
Actuarially Determined Contribution	\$ 30,838	\$ 28,027	\$ 26,326	\$ 25,695
Actual Contributions in Relation to the Actuarially Determined Contribution				
Employer Contributions	9,432	8,591	8,052	7,887
Non-Employer Contributions (State)	21,406	19,436	18,274	17,808
<b>Total Contributions</b>	<b>\$ 30,838</b>	<b>\$ 28,027</b>	<b>\$ 26,326</b>	<b>\$ 25,695</b>
<b>Contribution Deficiency / (Excess)</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>
Covered Payroll	\$ 65,575	\$ 59,394	\$ 56,282	\$ 53,859
Contributions as a Percentage of Covered Payroll	47.03%	47.19%	46.78%	47.71%
<b>VFCA</b>				
Actuarially Determined Contribution	\$ 3,156	\$ 2,852	\$ 2,592	\$ 2,487
Actual Contributions in Relation to the Actuarially Determined Contribution				
Employer Contributions				
Non-Employer Contributions (State)	3,156	2,852	2,592	2,487
<b>Total Contributions</b>	<b>\$ 3,156</b>	<b>\$ 2,852</b>	<b>\$ 2,592</b>	<b>\$ 2,487</b>
<b>Contribution Deficiency / (Excess)</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>	<b>\$ 0</b>
Covered Payroll	N/A	N/A	N/A	N/A
Contributions as a Percentage of Covered Payroll	N/A	N/A	N/A	N/A

2019	2018	2017	2016	2015	2014
\$ 23,890	\$ 23,181	\$ 20,938	\$ 20,133	\$ 13,279	\$ 13,699
7,323	7,053	6,500	6,163	6,100	6,007
16,567	16,128	14,438	13,970	13,573	12,767
<u>\$ 23,890</u>	<u>\$ 23,181</u>	<u>\$ 20,938</u>	<u>\$ 20,133</u>	<u>\$ 19,673</u>	<u>\$ 18,774</u>
<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ (6,394)</u>	<u>\$ (5,075)</u>
\$ 50,756	\$ 47,935	\$ 45,208	\$ 43,119	\$ 41,627	\$ 39,892
47.07%	48.36%	46.32%	46.69%	47.26%	47.06%
\$ 2,370	\$ 2,212	\$ 2,065	\$ 2,037	\$ 890	\$ 1,116
2,370	2,212	2,065	2,036	1,913	1,818
<u>\$ 2,370</u>	<u>\$ 2,212</u>	<u>\$ 2,065</u>	<u>\$ 2,036</u>	<u>\$ 1,913</u>	<u>\$ 1,818</u>
<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 1</u>	<u>\$ (1,023)</u>	<u>\$ (702)</u>
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Required Supplementary Information

#### Schedule of Employer Contributions

#### for Single-Employer Plans

as of June 30, 2023

(in thousands)

Last 10 Fiscal Years

Fiscal Year	2023	2022	2021	2020
<b>JRS</b>				
Actuarially Determined Contribution				
Actual Contributions in Relation to the Actuarially Determined Contribution:				
Employer Contributions	\$ 0	\$ 79	\$ 2,139	\$ 1,988
<b>Total Contributions</b>	<b>\$ 0</b>	<b>\$ 79</b>	<b>\$ 2,139</b>	<b>\$ 1,988</b>
<b>Contribution Deficiency / (Excess)</b>	<b>\$ 0</b>	<b>\$ (79)</b>	<b>\$ (2,139)</b>	<b>\$ (1,988)</b>
Covered Payroll	\$ 8,561	\$ 8,408	\$ 8,282	\$ 8,001
Contributions as a Percentage of Covered Payroll	0.00%	0.94%	25.83%	24.85%
<b>HPORS</b>				
Actuarially Determined Contribution	\$ 10,070	\$ 10,852	\$ 7,273	\$ 6,934
Actual Contributions in Relation to the Actuarially Determined Contribution:				
Employer Contributions	9,114	10,852	6,647	6,229
<b>Total Contributions</b>	<b>\$ 9,114</b>	<b>\$ 10,852</b>	<b>\$ 6,647</b>	<b>\$ 6,229</b>
<b>Contribution Deficiency / (Excess)</b>	<b>\$ 956</b>	<b>\$ 0</b>	<b>\$ 626</b>	<b>\$ 705</b>
Covered Payroll	\$ 18,005	\$ 17,275	\$ 16,631	\$ 15,608
Contributions as a Percentage of Covered Payroll	50.62%	62.82%	39.97%	39.91%

2019	2018	2017	2016	2015	2014
\$ 0	\$ 1,085	\$ 1,800	\$ 1,807	\$ 1,684	\$ 1,651
<u>\$ 0</u>	<u>\$ 1,085</u>	<u>\$ 1,800</u>	<u>\$ 1,807</u>	<u>\$ 1,684</u>	<u>\$ 1,651</u>
<u>\$ 0</u>	<u>\$ (1,085)</u>	<u>\$ (1,800)</u>	<u>\$ (1,807)</u>	<u>\$ (1,684)</u>	<u>\$ (1,651)</u>
\$ 7,382	\$ 7,291	\$ 6,974	\$ 6,920	\$ 6,525	\$ 6,355
0.00%	14.88%	25.81%	26.11%	25.81%	25.98%
<hr/>					
\$ 6,668	\$ 6,530	\$ 6,045	\$ 6,158	\$ 5,706	\$ 6,121
6,078	6,109	6,045	6,158	5,839	5,736
<u>\$ 6,078</u>	<u>\$ 6,109</u>	<u>\$ 6,045</u>	<u>\$ 6,158</u>	<u>\$ 5,839</u>	<u>\$ 5,736</u>
<u>\$ 590</u>	<u>\$ 421</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ (133)</u>	<u>\$ 385</u>
\$ 15,178	\$ 15,251	\$ 14,779	\$ 15,276	\$ 14,549	\$ 14,149
40.05%	40.05%	40.90%	40.31%	40.13%	40.54%

## FINANCIAL SECTION

### Public Employees' Retirement Board

A Component Unit of the State of Montana

#### Notes to the Required Supplementary Information

The information presented in the **GASB Statement No. 67** required supplementary schedules was determined as part of the actuarial valuations for accounting purposes at the dates indicated. Certain prior year amounts were reclassified to conform to current years' presentation.

Valuation date: June 30, 2022

Key Methods and Assumptions Used to Determine the Actuarially Determined Contribution (ADC) for fiscal year end 2023:

Timing	ADC are determined on the valuation date payable in the fiscal year beginning immediately following the valuation date
Actuarial cost method	Entry age Normal
Amortization method	Level percentage of payroll, open
Remaining amortization period	30 years
Asset valuation method	4-year smoothed market
Wage Inflation	3.50%
Inflation	2.75%
Salary increases	3.50%, including inflation
Investment rate of return	7.30%, net of pension plan investment and administrative expense, including inflation
Mortality (Active Participants) - General	PUB-2010 General Amount Weighted Employee Mortality projected to 2021 for males and females. Projected generationally using MP-2021.
Mortality (Disabled Retirees) - General	PUB-2010 General Amount Weighted Disabled Retiree mortality table, projected to 2021, set forward 1 year for both males and females.
Mortality (Contingent Survivor) - General	PUB-2010 General Amount Weighted Contingent Survivor Mortality projected to 2021 with ages set forward 1 year for males and females. Projected generationally using MP-2021.
Mortality (Healthy Retiree) - General	PUB-2010 General Amount Weighted Healthy Retiree Mortality Table projected to 2021, with ages set forward one year and adjusted 104% for males and 103% for females. Projected generationally using MP-2021.
Mortality (Active) - Safety	PUB 2010 Safety Amount Weighted Employee Mortality projected to 2021 for males and females. Projected generationally using MP-2021.
Mortality (Healthy Retiree) - Safety	PUB 2010 Safety Amount Weighted Healthy Retiree Mortality Table projected to 2021, set forward one year for males and adjusted 105% for males and 100% for females. Projected generationally using MP-2021.
Mortality (Contingent Survivor) - Safety	PUB 2010 Safety Amount Weighted Contingent Survivor Mortality projected to 2021, set forward one year for males. Projected generationally using MP-2021.
Mortality (Disabled Retiree) - Safety	PUB 2010 Safety Amount Weighted Disabled Retiree Mortality projected to 2021, set forward one year for males.

**Public Employees' Retirement Board**

A Component Unit of the State of Montana

**Notes to Required Supplementary Information**

**Changes of assumptions:** The following changes have been made to the actuarial assumptions and methods for GASB Statement No. 67:

2015

1. PERS-DBRP assumptions related to the Guaranteed Annual Benefit Adjustment (GABA) for members hired on or after July 1, 2013 were added.
2. HPORS DROP accounts are assumed to earn the actuarial rate of return.
3. An additional 15% of HPORS active members are assumed to elect DROP for each of the first six years following DROP eligibility. These members are assumed to elect to participate in the DROP for five years or until age 60 is earlier.

2017

1. The discount rate was lowered from 7.75% to 7.65%.
2. The inflation rate was reduced from 3.00% to 2.75%.
3. The wage inflation rate was reduced from 4.00% to 3.50%.
4. The non-disabled mortality and withdrawal assumptions were updated.
5. The salary merit scale was updated.

2020

1. The discount rate was lowered from 7.65% to 7.34% for all systems except GWPORS and HPORS. The discount rate for GWPORS was lowered from 7.65% to 5.65% and HPORS discount rate was lowered from 7.65% to 4.43%.
2. The investment rate of return was lowered from 7.65% to 7.34%.
3. The inflation rate was reduced from 2.75% to 2.40%.

2021

1. The discount rate was lowered from 7.34% to 7.06% for all systems except GWPORS and HPORS. The discount rate for GWPORS was increased from 5.65% to 7.06% and HPORS' discount rate was increased from 4.43% to 7.06%.
2. The investment rate of return was lowered from 7.34% to 7.06%.

2022

1. The discount rate was raised from 7.06% to 7.30% for all systems except GWPORS. The discount rate for GWPORS was lowered from 7.06% to 5.55%.
2. The investment rate of return was raised from 7.06% to 7.30%.
3. The payroll growth rate was reduced from 3.50% to 3.25%.
4. All mortality tables were updated to the PUB 2010 tables for general employees and public safety employees.
5. Updated the rates of withdrawal, retirement, disability and merit increase scales.
6. The inflation rate was increased from 2.40% to 2.75%.

2023

1. The discount rate for GWPORS was increased from 5.55% to 7.30%.

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Required Supplementary Information

#### Schedule of Investment Returns for Multiple-Employer Plans

*as of June 30, 2023*

Last 10 Fiscal Years

	Year Ended June 30	PERS-DBRP	SRS	GWPORS
Annual money-weighted rate of return, net investment expense	<b>2023</b>	<b>8.42 %</b>	<b>8.46 %</b>	<b>8.47 %</b>
	2022	(4.17)%	(4.27)%	(4.30)%
	2021	27.72 %	27.71 %	27.70 %
	2020	2.71 %	2.70 %	2.69 %
	2019	5.64 %	5.70 %	5.73 %
	2018	8.88 %	8.83 %	8.82 %
	2017	11.94 %	11.96 %	11.97 %
	2016	2.04 %	2.05 %	2.09 %
	2015	4.60 %	4.59 %	4.59 %
	2014	17.18 %	17.15 %	17.12 %

	Year Ended June 30	MPORS	FURS	VFCA
Annual money-weighted rate of return, net investment expense	<b>2023</b>	<b>8.43 %</b>	<b>8.45 %</b>	<b>8.37 %</b>
	2022	(4.29)%	(4.32)%	(4.09)%
	2021	27.81 %	27.79 %	27.78 %
	2020	2.72 %	2.71 %	2.73 %
	2019	5.56 %	5.59 %	5.59 %
	2018	8.86 %	8.85 %	8.97 %
	2017	11.92 %	11.93 %	11.89 %
	2016	2.18 %	2.19 %	1.85 %
	2015	4.66 %	4.66 %	4.63 %
	2014	17.16 %	17.15 %	17.23 %

**Public Employees' Retirement Board**  
*A Component Unit of the State of Montana*  
**Required Supplementary Information**  
**Schedule of Investment Returns for Single-Employer Plans**  
*as of June 30, 2023*  
 Last 10 Fiscal Years

	Year Ended June 30	JRS	HPORS
Annual money-weighted rate of return, net investment expense	<b>2023</b>	<b>8.44 %</b>	<b>8.37 %</b>
	2022	(4.21)%	(4.21)%
	2021	27.73 %	27.73 %
	2020	2.72 %	2.73 %
	2019	5.65 %	5.64 %
	2018	8.87 %	8.89 %
	2017	11.96 %	11.92 %
	2016	2.03 %	2.02 %
	2015	4.60 %	4.61 %
	2014	17.17 %	17.19 %

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Required Supplementary Information

#### Schedule of Total OPEB (Healthcare) Liability and Related Ratios, Last Ten Fiscal Years<sup>1</sup>

Fiscal Year	2023	2022	2021	2020	2019	2018
<b>Total OPEB Liability</b>						
Service cost	\$ 23,058	\$ 35,000	\$ 6,461	\$ 4,763	\$ 6,271	\$ 27,891
Interest	14,804	12,271	3,503	2,892	6,096	29,728
Changes of benefit terms						
Difference between expected and actual experience	(182,312)		64,160	22,201		(69,725)
Changes of assumptions or other inputs	(148,566)	(139,054)	317,547	(5,706)	8,460	(4,363)
Benefit payments	(7,835)	9,102	(3,636)	(1,826)	(5,220)	25,170
Net change in total OPEB liability	\$ (300,851)	\$ (82,681)	\$ 388,035	\$ 22,324	\$ 15,607	\$ 8,701
Total OPEB liability - Beginning	428,080	510,761	122,726	100,402	84,795	76,094
Total OPEB liability - Ending	\$ 127,229	\$ 428,080	\$ 510,761	\$ 122,726	\$ 100,402	\$ 84,795
Proportionate Share of Total OPEB Liability	0.41045%	0.36426%	0.34625%	0.25924%	0.18026%	0.16805%
Covered employee payroll	\$ 4,480,616	\$ 4,048,080	\$ 4,283,180	\$ 4,151,855	\$ 3,909,710	\$ 3,703,606
Total OPEB liability as a percentage of covered employee payroll	2.84%	10.57%	11.92%	2.96%	2.57%	2.29%

<sup>1</sup> Schedules are intended to present information for 10 years. Additional years will be displayed as they become available.

The information above presents the funding progress of the Healthcare OPEB Plan specifically for MPERA as a State of Montana employer and is determined by the State of Montana.

At June 30, 2023 (reporting date), the most recent actuarial valuation available was performed by the State of Montana for current year 2023 as of December 31, 2022. The measurement date is March 31, 2023. This actuarial valuation is performed every two years with the next valuation to be performed as of January 1, 2024 for the calendar year ending December 31, 2024. The State of Montana finances claims on a pay-as-you-go basis and does not advance fund the OPEB liability. This is the OPEB obligation for MPERA as a State of Montana employer and is determined by the State of Montana.

**Public Employees’ Retirement Board**

*A Component Unit of the State of Montana*

**Notes to Required Supplementary Information for OPEB (Healthcare)**

Actuarial valuation date	December 31, 2022
Actuarial measurement date <sup>1</sup>	March 31, 2023
Experience study period	January 1, 2022 through December 31, 2022
Actuarial cost method	Entry age normal funding method
Amortization method	Level percent of payroll, open basis
Remaining amortization period	20 years
Asset valuation method	Not applicable because no assets meeting the definition of plan assets under GASB 75
<b><i>Actuarial assumptions:</i></b>	
Discount rate	3.98%
Projected payroll increases	3.50%
Participation:	
Future retirees	40.00%
Future eligible spouses	70.00%
Marital status at retirement	70.00%

<sup>1</sup> Update procedures were used to roll forward the total OPEB liability to the measurement date.

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Notes to the Required Supplementary Information

The information presented in the required supplementary schedules was determined as part of the actuarial valuations for **funding** purposes at the dates indicated. Additional information as of latest actuarial valuation follows:

	PERS-DBRP	JRS	HPORS
Valuation date	June 30, 2023	June 30, 2023	June 30, 2023
Actuarial cost method	Entry Age	Entry Age	Entry Age
Amortization method	Level percentage of payroll, open	Legacy Base as of June 30, 2023 over a closed 25-year period Contemporary Bases over a closed 10-year period	Legacy Base as of June 30, 2023 over a closed 25-year period Contemporary Bases over a closed 10-year period
Remaining amortization period in years:			
Unfunded Liability	28	25	25
Unfunded Credit			
Asset valuation method	4-Year smoothed market	4-Year smoothed market	4-Year smoothed market
<b>Actuarial assumptions:</b>			
Investment rate of return compounded annually (net of investment expense)	7.30%	7.30%	7.30%
Projected salary increases			
General Wage Growth*	3.50%	3.50%	3.50%
Merit	0% - 4.8%	None	1.0% - 6.4%
*Includes inflation at	2.75%	2.75%	2.75%
Benefit Adjustments			
GABA	3% if hired prior to July 1, 2007; or 1.5% if hired between July 1, 2007 and June 30, 2013; or 0% to 1.5% if hired on or after July 1, 2013; after 1 year	3% after 1 yr	3% after 1 year or 1.5% after 3 years if hired on or after July 1, 2013
Non-GABA	N/A	Biennial increase to salary of active member in like position	2% per yr service, not to exceed 5% of current benefit, for probationary officer's base pay

<b>SRS</b>	<b>GWPORS</b>	<b>MPORS</b>	<b>FURS</b>	<b>VFCA</b>
June 30, 2023	June 30, 2023	June 30, 2023	June 30, 2023	June 30, 2023
Entry Age	Entry Age	Entry Age	Entry Age	Entry Age
Legacy Base as of June 30, 2023 over a closed 25-year period	Legacy Base as of June 30, 2023 over a closed 25-year period	Level percentage of payroll, open	Level percentage of payroll, open	Level percent of inflation, open
Contemporary Bases over a closed 10-year period	Contemporary Bases over a closed 10-year period			
25	25	21	10	1
				Based on Actual Contributions
4-Year smoothed market	4-Year smoothed market	4-Year smoothed market	4-Year smoothed market	4-Year smoothed market
7.30%	7.30%	7.30%	7.30%	7.30%
3.50%	3.50%	3.50%	3.50%	N/A
1.0% - 6.4%	1.0% - 6.4%	1.0% - 6.4%	1.0% - 6.4%	N/A
2.75%	2.75%	2.75%	2.75%	2.75%
3% or 1.5% for new hires on or after July 1, 2007, after 1 year	3% or 1.5% for new hires on or after July 1, 2007, after 1 year	3% after 1 yr	3% after 1 yr	N/A
N/A	N/A	50% newly confirmed officer	50% newly confirmed firefighter	N/A

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Schedule of Administrative Expenses

**Year Ended June 30, 2023**

	Defined Benefit Plans	PERS-DBRP Education Fund	Defined Contribution PERS-DCRP	Deferred Compensation (457 (b)) Plan
<b>Personal Services</b>				
Salaries	\$ 2,537,636	\$ 474,476	\$ 252,596	\$ 99,061
Board Members' Per Diem	2,288	\$ 35,102	208	104
Employee Benefits	843,337	158,199	84,047	31,264
<b>Total Personal Services</b>	<b>3,383,261</b>	<b>667,777</b>	<b>336,851</b>	<b>130,429</b>
<b>Other Services</b>				
Consulting and Professional Services	610,187	4,065	374,786	52,075
IT Consulting and Professional Services	580,742		52,795	26,397
Legal Fees and Court Costs	6,225		212	70
Audit Fees	125,323		10,002	5,001
Medical Services	20,660		2,296	
Records Storage	4,426		402	201
Computer Processing	148,522	30,519	18,311	6,104
Printing and Photocopy Charges	22,256	4,284	1,648	491
Warrant Writing Services	56,016		5,092	2,546
Other	267,691	3,916	24,953	12,085
<b>Total Other Services</b>	<b>1,842,048</b>	<b>42,784</b>	<b>490,497</b>	<b>104,970</b>
<b>Communications</b>				
Postage and Mailing	46,827	24,733	6,754	5,755
Telephone	58,555	12,032	7,219	2,407
<b>Total Communications</b>	<b>105,382</b>	<b>36,765</b>	<b>13,973</b>	<b>8,162</b>
<b>Other Expenses</b>				
Supplies and Materials	240,158	48,618	29,488	9,887
Travel	24,143	3,711	2,715	1,078
Rent	14,241	2,926	1,756	585
Repairs and Maintenance				
Compensated Absences	74,868	4,738	376	(29)
OPEB Expenses	35,459	(1,828)	(863)	(1,305)
Miscellaneous	868,365	87,105	88,842	66,466
<b>Total Other Expenses</b>	<b>1,257,234</b>	<b>145,270</b>	<b>122,314</b>	<b>76,682</b>
<b>Total Administrative Expenses</b>	<b>\$ 6,587,925</b>	<b>\$ 892,596</b>	<b>\$ 963,635</b>	<b>\$ 320,243</b>

**Public Employees' Retirement Board**

*A Component Unit of the State of Montana*

**Schedule of Investment Expenses**

**Year Ended June 30, 2023**

<b>Plan</b>	<b>Investment Manager</b>	<b>Fees</b>
PERS-DBRP	Board of Investments	\$ 39,017,506
PERS-DCRP DISABILITY OPEB	Board of Investments	4,846
JRS	Board of Investments	733,020
HPORS	Board of Investments	1,044,217
SRS	Board of Investments	2,741,765
GWPORS	Board of Investments	1,551,931
MPORS	Board of Investments	3,161,044
FURS	Board of Investments	3,453,073
VFCA	Board of Investments	272,204
DC	PIMCO	55,015
	State Street Bank	14,405
	Transamerica	14,392
	Prudential	14,370
	Voya	3,858
457(b)	PIMCO	427,991
	State Street Bank	112,047
	Transamerica	111,946
	Prudential	111,771
	Voya	29,995
<b>Total Investment Expense</b>		<b>\$ 52,875,396</b>

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Detail of Fiduciary Net Position (PERS-DBRP and PERS-DBEd)

**as of June 30, 2023**

	PERS-DBRP	PERS-DBEd	TOTAL
<b>Assets</b>			
Cash and Short-term Investments	\$ 76,515,726	\$ 809,862	\$ 77,325,588
Securities Lending Collateral	70,366,674		70,366,674
Receivables			
Interest	335,101	3,274	338,375
Accounts Receivables	3,259,530	4,651	3,264,181
Receivable from Other Systems	888,746		888,746
Due from Primary Government			
Notes Receivable	4,060		4,060
<i>Total Receivables</i>	4,487,437	7,925	4,495,362
Investments, at fair value			
CAPP Participant Pool	6,840,472,784		6,840,472,784
<i>Total Investments</i>	6,840,472,784		6,840,472,784
Property and Equipment	39,254	9,671	48,925
Intangible Assets	533,613		533,613
Intangible Right-to-use Assets	2,413,112	748,345	3,161,457
<i>Total Capital Assets - Net Accumulated Depreciation and Amortization</i>	2,985,979	758,016	3,743,995
<b>Total Assets</b>	6,994,828,600	1,575,803	6,996,404,403
<b>Deferred Outflow of Resources - OPEB</b>	249,351	68,406	317,757
<b>Liabilities</b>			
Securities Lending Liability	70,366,674		70,366,674
Accounts Payable	409,764	53,727	463,491
Contributions Received in Advance	17,590	30	17,620
Compensated Absences	473,621	51,091	524,712
Lease Liability	2,525,894	783,320	3,309,214
OPEB Liability	90,279	24,767	115,046
<b>Total Liabilities</b>	73,883,822	912,935	74,796,757
<b>Deferred Inflow of Resources - OPEB</b>	332,403	91,190	423,593
<b>Net Position Restricted for Pension Benefits</b>	<b>\$ 6,920,861,726</b>	<b>\$ 640,084</b>	<b>\$ 6,921,501,810</b>

**Public Employees' Retirement Board**

*A Component Unit of the State of Montana*

**Detail of Changes in Fiduciary Net Position (PERS-DBRP and PERS-DBEd)  
for the Fiscal Year Ended June 30, 2023**

	PERS-DBRP	PERS-DBEd	TOTAL
<b>Additions</b>			
<b>Contributions</b>			
Employer	\$ 131,763,854	\$ 576,854	\$ 132,340,708
Plan Member	118,936,074		118,936,074
Interest Reserve Buyback	233,091		233,091
Retirement Incentive Program	455		455
Miscellaneous Revenue	147,620		147,620
State Contributions	1,196,282		1,196,282
State Appropriations	34,979,900		34,979,900
<i>Total Contributions</i>	287,257,276	576,854	287,834,130
<b>Investment Income</b>			
Net Appreciation (Depreciation) in Fair Value of Investments	583,824,255	1,131	583,825,386
Interest	3,019,567	33,318	3,052,885
Dividends			
Investment Expenses	(39,017,506)		(39,017,506)
<i>Net Investment Income</i>	547,826,316	34,449	547,860,765
<b>Securities Lending Income</b>			
Securities Lending Income	3,772,413		3,772,413
Securities Lending Rebate and Fees	(2,293,199)		(2,293,199)
<i>Net Securities Lending Income</i>	1,479,214		1,479,214
<b>Total Net Investment Income</b>	549,305,530	34,449	549,339,979
<b>Total Additions</b>	836,562,806	611,303	837,174,109
<b>Deductions</b>			
Benefits	541,852,695		541,852,695
Refunds/Distributions	14,699,642		14,699,642
Transfers to Other Systems	336,442		336,442
Transfers to MUS-RP	328,675		328,675
Transfers to DCRP	2,180,969		2,180,969
OPEB Expenses	35,459	(1,828)	33,631
Administrative Expenses	5,317,802	894,424	6,212,226
<b>Total Deductions</b>	564,751,684	892,596	565,644,280
<b>Net Increase (Decrease)</b>	271,811,122	(281,293)	271,529,829
<b>Net Position Restricted for Pension Benefits</b>			
<b>Beginning of Year</b>	<b>6,648,898,896</b>	<b>921,377</b>	<b>6,649,820,273</b>
<b>Prior Year Adjustments</b>	<b>151,708</b>		<b>151,708</b>
<b>End of Year</b>	<b>\$ 6,920,861,726</b>	<b>\$ 640,084</b>	<b>\$ 6,921,501,810</b>

## FINANCIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Detail of Fiduciary Net Position (PERS-DCRP, PERS-DCEd) as of June 30, 2023

	PERS-DCRP	PERS-DCEd	TOTAL
<b>Assets</b>			
Cash and Short-term Investments	\$ 5,196,939	\$ 152,796	\$ 5,349,735
Securities Lending Collateral			
Receivables			
Interest	15,527	576	16,103
Accounts Receivables	268,147	590	268,737
Receivable from Other Systems			
<i>Total Receivables</i>	283,674	1,166	284,840
Investments			
Defined Contributions Fixed Investments	25,084,079		25,084,079
Defined Contributions Variable Investments	395,748,335		395,748,335
<i>Total Investments</i>	420,832,414		420,832,414
Property and Equipment,	4,269	1,025	5,294
Intangible Assets	127,484		127,484
Intangible Right to use Assets	291,023	83,149	374,172
Total Capital Assets - Net Accumulated Depreciation and Amortization	422,776	84,174	506,950
<b>Total Assets</b>	426,735,803	238,136	426,973,939
<b>Deferred Outflow of Resources - OPEB</b>	22,369	2,544	24,913
<b>Liabilities</b>			
Securities Lending Liability			
Accounts Payable	192,705	3,122	195,827
Contributions Received in Advance	151		151
Compensated Absences	45,940	2,117	48,057
Lease Liability	304,625	87,035	391,660
OPEB Liability	8,099	921	9,020
<b>Total Liabilities</b>	551,520	93,195	644,715
<b>Deferred Inflow of Resources - OPEB</b>	29,819	3,391	33,210
<b>Net Position Restricted for Pension Benefits</b>	<b>\$ 426,176,833</b>	<b>\$ 144,094</b>	<b>\$ 426,320,927</b>

**Public Employees' Retirement Board**

*A Component Unit of the State of Montana*

**Detail of Changes in Fiduciary Net Position (PERS-DCRP, PERS-DCEd)  
for the Fiscal Year Ended June 30, 2023**

	PERS-DCRP	PERS-DCEd	TOTAL
<b>Additions</b>			
<b>Contributions</b>			
Employer <sup>1</sup>	\$ 18,862,740	\$ 96,772	\$ 18,959,512
Plan Member	18,322,633		18,322,633
Miscellaneous Revenue	1,472		1,472
Non-Employer 19-3-319 MCA	121,009		121,009
Nonvested Member Forfeitures	1,409,309		1,409,309
<i>Total Contributions</i>	38,717,163	96,772	38,813,935
<b>Investment Income</b>			
Net Appreciation (Depreciation) in Fair Value of Investments	37,554,964	30	37,554,994
Interest	9,170,195	4,505	9,174,700
Investment Expenses	(102,040)		(102,040)
<i>Net Investment Earnings</i>	46,623,119	4,535	46,627,654
<b>Securities Lending Income</b>			
Securities Lending Income			
Securities Lending Rebate and Fees			
<i>Net Securities Lending Income</i>			
<b>Total Net Investment Earnings</b>	46,623,119	4,535	46,627,654
<b>Total Additions</b>	85,340,282	101,307	85,441,589
<b>Deductions</b>			
Distributions	22,208,021		22,208,021
OPEB Expenses	3,343	(4,207)	(864)
Administrative Expenses	922,715	41,784	964,499
Miscellaneous Expenses	(13,988)		(13,988)
<b>Total Deductions</b>	23,120,091	37,577	23,157,668
<b>Net Increase (Decrease)</b>	62,220,191	63,730	62,283,921
<b>Net Position Restricted for Pension Benefits</b>			
<b>Beginning of Year</b>	<b>363,956,642</b>	<b>80,364</b>	<b>364,037,006</b>
<b>Prior Year Adjustments</b>			
<b>End of Year</b>	<b>\$ 426,176,833</b>	<b>\$ 144,094</b>	<b>\$ 426,320,927</b>

<sup>1</sup>Employer contributions include State contributions that are listed separately on the main financial statements of this section.

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# MONTANA

## BOARD OF INVESTMENTS

### PERS Annual Report Investment Letter

*For the fiscal year ended June 30, 2023*

The Public Employees' Retirement System (PERS) realized an 8.50% net return during the 2023 fiscal year. Net return performance for PERS since inception was 7.71% annualized. Returns over longer frames compare favorably with the public fund, peer universe with 10-year returns ranked in the top decile. More importantly, long-term returns exceed the current PERS actuarial return rate of 7.30%. Similar returns were realized for all other MPERA retirement systems.

Returns across asset classes were mixed in fiscal year 2023. Some asset classes enjoyed strong returns as economic growth exceeded expectations. Conversely, a few suffered as global central banks raised interest rates to reduce inflation. Domestic Equity (18.87%), International Equity (12.48%), Real Assets (12.20%), Non-Core Fixed Income (8.03%), Cash (4.96%), and Private Investments (2.83%) posted positive returns. Real Estate (-2.10%) and Core Fixed Income (-0.83%) posted negative returns.

The asset allocation approved by the Montana Board of Investments (BOI) is designed to achieve the pension funds strategic objectives while minimizing risk. It provides a framework to capture gains over the long-term while protecting against unmanageable losses during periodic economic declines.

Going forward, the market faces multiple obstacles including rising geopolitical tensions, higher interest rates, demographic shifts, and slower global growth projections. Market uncertainty is elevated, thus making prudent diversification a critical pillar of the portfolio.

BOI continues to pursue attractive investment opportunities. We expect periods of extreme market volatility and continually mitigate risks to meet the liquidity needs of the pension plans. BOI believes that disciplined execution of our investment process will help us achieve the long-term objectives of the pension plans.

Respectfully submitted,

*/s/ Jon Putnam*

Jon Putnam, CFA, FRM, CAIA  
Chief Investment Officer  
Montana Board of Investments

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P.O. BOX 200126, HELENA, MT 59620 - 0126  
406-444-0001 | INVESTMENTMT.COM

# Public Employees' Retirement Board

*A Component Unit of the State of Montana*

## Report on Investment Activity

### Introduction

The Montana Constitution and various Montana statutes govern the investment activity of the retirement funds administered by the Public Employees' Retirement Board (PERB). The "prudent expert principle" contained in the Montana Constitution and Montana statute requires the fiduciaries of the funds, including the Montana Board of Investments (MBOI), to discharge their duties in the same manner that a prudent expert acting in a fiduciary capacity with the same resources, familiar with like matters, and under the same circumstances, exercises in the conduct of an enterprise of a similar character with similar objectives.

The prudent expert principle permits diversification of the holdings of the fund to minimize the risk of loss and maximize the rate of return. The opportunity to diversify among various asset classes enables a fund to reduce volatility and increase returns.

The BOI prepares and provides for the PERB information related to the defined benefit plan investments, including the PERS-DCRP Disability OPEB Plan. The Montana Public Employee Retirement Administration (MPERA), staff of the PERB, is responsible for the presentation of the report of investment activity.

### Investment Goals and Objectives

The goals influencing the investment activity for the PERB are two-fold. The first is to realize compounded rates of return sufficient to fund benefits as provided for in statute. The second is to provide services at the lowest possible cost to employers and members. The investment objective of MBOI is the achievement of a total rate of return greater than the assumed actuarial return over the long term.

In addition, MBOI seeks to outperform the appropriate market benchmarks for each asset class year to year and provide returns comparable to those attained by similar public fund peers.

To calculate the PERB's defined benefit plan investment returns, State Street Bank, MBOI's custodial bank and an independent third party, uses the time-weighted total rate of return method.

### Risk Tolerance

In view of the long-term horizon of the pension plans, subject to the need for sufficient liquidity to pay benefits, all funds have an above-average ability to assume risk.

### Investment Management and Results

The funds of each defined benefit system are invested by MBOI as part of the Unified Investment Program. The portfolio is broadly diversified between the various asset classes including, but not limited to, stocks, bonds, real estate, and private investments. A complete list of portfolio information is available through MBOI. State Street Bank compiles the rates of return for the investments. The total rates of return for fiscal year 2023 are reported by the MBOI for each

## INVESTMENT SECTION

defined benefit fund. The following tables are a summary of the information received from the MBOI.

### TOTAL RATES OF ANNUALIZED RETURN BY ASSET CLASS

12-Month Period ending June 30, 2023

Asset Class	<u>INDEX</u>	<u>PERS-DBRP</u>	<u>JRS</u>	<u>HPORS</u>	<u>SRS</u>
Cash Equivalents (STIP)		3.77 %	3.77 %	3.77 %	3.77 %
Short Term Custom Benchmark <sup>2</sup>	3.94 %				
<b>Total Plan</b>		<b>8.50 %</b>	<b>8.48 %</b>	<b>8.50 %</b>	<b>8.50 %</b>
<b>Index Composite<sup>1</sup></b>		<b>10.30 %</b>	<b>10.28 %</b>	<b>10.29 %</b>	<b>10.29 %</b>

	<u>INDEX</u>	<u>GWPORS</u>	<u>MPORS</u>	<u>FURS</u>	<u>VFCA</u>
Cash Equivalents (STIP)		3.77 %	3.77 %	3.77 %	3.77 %
Short Term Custom Benchmark <sup>2</sup>	3.94%				
<b>Total Plan</b>		<b>8.50 %</b>	<b>8.50 %</b>	<b>8.50 %</b>	<b>8.46 %</b>
<b>Index Composite<sup>1</sup></b>		<b>10.29 %</b>	<b>10.32 %</b>	<b>10.33 %</b>	<b>10.27 %</b>

<sup>1</sup> From inception to 3/31/2017:

The portfolio weighted average of S&P 1500 Super Composite, MSCI ACWI ex US IMI Net, S&P 1500 + 4% Qtr Lag, LIBOR 1 Month, Bloomberg U.S. Aggregate, and NCREIF ODCE 1 Qtr Lag (Net)

From 4/1/2017 to present:

Equity and Cash Equivalents weighted average of CAPP Custom Benchmark and Short Term Custom Benchmark

<sup>2</sup> From inception to 4/30/2018: LIBOR 1 Month

5/1/2018 to present: Federal Reserve US Treasury 1M Constant Maturity Index

The rates of return are provided by State Street Bank, the MBOI's custodial bank for the plans. Performance calculations were prepared using time-weighted rates of return and are reported net of all management fees and expenses, unless otherwise indicated.

## INVESTMENT SECTION

### TOTAL RATES OF ANNUALIZED RETURN BY ASSET CLASS

Three-Year Period ending June 30, 2023

Asset Class	<u>INDEX</u>	<u>PERS-DBRP</u>	<u>JRS</u>	<u>HPORS</u>	<u>SRS</u>
Cash Equivalents (STIP)		1.41 %	1.41 %	1.41 %	1.41 %
Short Term Custom Benchmark <sup>2</sup>	1.39 %				
<b>Total Plan</b>		<b>9.86 %</b>	<b>9.86 %</b>	<b>9.87 %</b>	<b>9.87 %</b>
<b>Index Composite<sup>1</sup></b>		<b>8.63 %</b>	<b>8.62 %</b>	<b>8.64 %</b>	<b>8.63 %</b>

	<u>INDEX</u>	<u>GWPORS</u>	<u>MPORS</u>	<u>FURS</u>	<u>VFCA</u>
Cash Equivalents (STIP)		1.41 %	1.41 %	1.41 %	1.41 %
Short Term Custom Benchmark <sup>2</sup>	1.39 %				
<b>Total Plan</b>		<b>9.86 %</b>	<b>9.85 %</b>	<b>9.85 %</b>	<b>9.85 %</b>
<b>Index Composite<sup>1</sup></b>		<b>8.62 %</b>	<b>8.62 %</b>	<b>8.62 %</b>	<b>8.63 %</b>

<sup>1</sup> From inception to 3/31/2017:

The portfolio weighted average of S&P 1500 Super Composite, MSCI ACWI ex US IMI Net, S&P 1500 + 4% Qtr Lag, LIBOR 1 Month, Bloomberg U.S. Aggregate, and NCREIF ODCE 1 Qtr Lag (Net)

From 4/1/2017 to present:

Equity and Cash Equivalents weighted average of CAPP Custom Benchmark and Short Term Custom Benchmark

<sup>2</sup> From inception to 4/30/2018: LIBOR 1 Month

5/1/2018 to present: Federal Reserve US Treasury 1M Constant Maturity Index

The rates of return are provided by State Street Bank, the MBOI's custodial bank for the plans. Performance calculations were prepared using time-weighted rates of return and are reported net of all management fees and expenses, unless otherwise indicated.

## INVESTMENT SECTION

### TOTAL RATES OF ANNUALIZED RETURN BY ASSET CLASS

Five-Year Period ending June 30, 2023

<b>Asset Class</b>	<b><u>INDEX</u></b>	<b><u>PERS-DBRP</u></b>	<b><u>JRS</u></b>	<b><u>HPORS</u></b>	<b><u>SRS</u></b>
Cash Equivalents (STIP)		1.64 %	1.64 %	1.64 %	1.64 %
Short Term Custom Benchmark <sup>2</sup>	1.54 %				
<b>Total Plan</b>		<b>7.56 %</b>	<b>7.56 %</b>	<b>7.57 %</b>	<b>7.56 %</b>
<b>Index Composite<sup>1</sup></b>		<b>6.49 %</b>	<b>6.49 %</b>	<b>6.50 %</b>	<b>6.49 %</b>

	<b><u>INDEX</u></b>	<b><u>GWPORS</u></b>	<b><u>MPORS</u></b>	<b><u>FURS</u></b>	<b><u>VFCA</u></b>
Cash Equivalents (STIP)		1.64 %	1.64 %	1.64 %	1.64 %
Short Term Custom Benchmark <sup>2</sup>	1.54 %				
<b>Total Plan</b>		<b>7.56 %</b>	<b>7.56 %</b>	<b>7.56 %</b>	<b>7.56 %</b>
<b>Index Composite<sup>1</sup></b>		<b>6.48 %</b>	<b>6.48 %</b>	<b>6.48 %</b>	<b>6.49 %</b>

<sup>1</sup> From inception to 3/31/2017:

The portfolio weighted average of S&P 1500 Super Composite, MSCI ACWI ex US IMI Net, S&P 1500 + 4% Qtr Lag, LIBOR 1 Month, Bloomberg U.S. Aggregate, and NCREIF ODCE 1 Qtr Lag (Net)

From 4/1/2017 to present:

Equity and Cash Equivalents weighted average of CAPP Custom Benchmark and Short Term Custom Benchmark

<sup>2</sup> From inception to 4/30/2018: LIBOR 1 Month

5/1/2018 to present: Federal Reserve US Treasury 1M Constant Maturity Index

The rates of return are provided by State Street Bank, the MBOI's custodial bank for the plans. Performance calculations were prepared using time-weighted rates of return and are reported net of all management fees and expenses, unless otherwise indicated.

## INVESTMENT SECTION

### TOTAL RATES OF ANNUALIZED RETURN BY ASSET CLASS

Ten-Year Period ending June 30, 2023

Asset Class	<u>INDEX</u>	<u>PERS-DBRP</u>	<u>JRS</u>	<u>HPORS</u>	<u>SRS</u>
Cash Equivalents (STIP)		1.12 %	1.12 %	1.12 %	1.12 %
Short Term Custom Benchmark <sup>2</sup>	1.07 %				
<b>Total Plan</b>		<b>8.17 %</b>	<b>8.17 %</b>	<b>8.18 %</b>	<b>8.17 %</b>
<b>Index Composite<sup>1</sup></b>		<b>7.90 %</b>	<b>7.90 %</b>	<b>7.91 %</b>	<b>7.90 %</b>

	<u>INDEX</u>	<u>GWPORS</u>	<u>MPORS</u>	<u>FURS</u>	<u>VFCA</u>
Cash Equivalents (STIP)		1.12 %	1.12 %	1.12 %	1.12 %
Short Term Custom Benchmark <sup>2</sup>	1.07 %				
<b>Total Plan</b>		<b>8.17 %</b>	<b>8.18 %</b>	<b>8.18 %</b>	<b>8.17 %</b>
<b>Index Composite<sup>1</sup></b>		<b>7.89 %</b>	<b>7.89 %</b>	<b>7.90 %</b>	<b>7.90 %</b>

<sup>1</sup> From inception to 3/31/2017:

The portfolio weighted average of S&P 1500 Super Composite, MSCI ACWI ex US IMI Net, S&P 1500 + 4% Qtr Lag, LIBOR 1 Month, Bloomberg U.S. Aggregate, and NCREIF ODCE 1 Qtr Lag (Net)

From 4/1/2017 to present:

Equity and Cash Equivalents weighted average of CAPP Custom Benchmark and Short Term Custom Benchmark

<sup>2</sup> From inception to 4/30/2018: LIBOR 1 Month

5/1/2018 to present: Federal Reserve US Treasury 1M Constant Maturity Index

The rates of return are provided by State Street Bank, the MBOI's custodial bank for the plans. Performance calculations were prepared using time-weighted rates of return and are reported net of all management fees and expenses, unless otherwise indicated.

**Asset Allocation**

Asset allocation is the main determinant of investment returns, and will therefore impact the MBOI’s success in meeting long-term investment objectives. The asset allocation table below represents a diversified mix of asset classes designed to meet the long-term return needs of the plans while balancing this objective with risk and liquidity considerations. The actual asset mix as of fiscal year end 2023 is listed in the table below, along with the approved allocation ranges for the short term investment pool (STIP), the eight underlying asset classes of the CAPP and CAPP STIP.

<b>Fiscal Year 2023 ASSET ALLOCATION</b>					
	Allocation Range	Actual Investment		Allocation Range	Actual Investment
<b>PERS-DBRP</b>			<b>GWPORS</b>		
STIP	0% to 5%	1.00%	STIP	0% to 5%	1.00%
Domestic Equity	23% to 35%	28.42%	Domestic Equity	23% to 35%	28.41%
International Equities	10% to 20%	14.78%	International Equities	10% to 20%	14.78%
Private Investments	12% to 20%	17.34%	Private Investments	12% to 20%	17.34%
Real Assets	3% to 9%	6.14%	Real Assets	3% to 9%	6.15%
Real Estate	7% to 15%	12.02%	Real Estate	7% to 15%	12.02%
Core Fixed Income	9% to 19%	13.17%	Core Fixed Income	9% to 19%	13.17%
Non-Core Fixed Income	5% to 9%	6.43%	Non-Core Fixed Income	5% to 9%	6.43%
Cash Equivalents (CAPP STIP)	0% to 5%	0.70%	Cash Equivalents (CAPP STIP)	0% to 5%	0.70%
<b>JRS</b>			<b>MPORS</b>		
STIP	0% to 5%	1.00%	STIP	0% to 5%	1.03%
Domestic Equity	23% to 35%	28.42%	Domestic Equity	23% to 35%	28.40%
International Equities	10% to 20%	14.78%	International Equities	10% to 20%	14.78%
Private Investments	12% to 20%	17.34%	Private Investments	12% to 20%	17.33%
Real Assets	3% to 9%	6.14%	Real Assets	3% to 9%	6.14%
Real Estate	7% to 15%	12.02%	Real Estate	7% to 15%	12.02%
Core Fixed Income	9% to 19%	13.17%	Core Fixed Income	9% to 19%	13.17%
Non-Core Fixed Income	5% to 9%	6.43%	Non-Core Fixed Income	5% to 9%	6.43%
Cash Equivalents (CAPP STIP)	0% to 5%	0.70%	Cash Equivalents (CAPP STIP)	0% to 5%	0.70%
<b>HPORS</b>			<b>FURS</b>		
STIP	0% to 5%	1.00%	STIP	0% to 5%	1.03%
Domestic Equity	23% to 35%	28.42%	Domestic Equity	23% to 35%	28.40%
International Equities	10% to 20%	14.78%	International Equities	10% to 20%	14.78%
Private Investments	12% to 20%	17.34%	Private Investments	12% to 20%	17.33%
Real Assets	3% to 9%	6.14%	Real Assets	3% to 9%	6.14%
Real Estate	7% to 15%	12.02%	Real Estate	7% to 15%	12.02%
Core Fixed Income	9% to 19%	13.17%	Core Fixed Income	9% to 19%	13.17%
Non-Core Fixed Income	5% to 9%	6.43%	Non-Core Fixed Income	5% to 9%	6.43%
Cash Equivalents (CAPP STIP)	0% to 5%	0.70%	Cash Equivalents (CAPP STIP)	0% to 5%	0.70%
<b>SRS</b>			<b>VFCA <sup>1</sup></b>		
STIP	0% to 5%	1.06%	STIP	0% to 5%	1.04%
Domestic Equity	23% to 35%	28.39%	Domestic Equity	23% to 35%	28.40%
International Equities	10% to 20%	14.78%	International Equities	10% to 20%	14.78%
Private Investments	12% to 20%	17.33%	Private Investments	12% to 20%	17.33%
Real Assets	3% to 9%	6.14%	Real Assets	3% to 9%	6.14%
Real Estate	7% to 15%	12.01%	Real Estate	7% to 15%	12.02%
Core Fixed Income	9% to 19%	13.16%	Core Fixed Income	9% to 19%	13.16%
Non-Core Fixed Income	5% to 9%	6.43%	Non-Core Fixed Income	5% to 9%	6.43%
Cash Equivalents (CAPP STIP)	0% to 5%	0.70%	Cash Equivalents (CAPP STIP)	0% to 5%	0.70%

<sup>1</sup> VFCA Retirement Plan Actual Investment % reflects the STIP investment amount for VFCA Supplemental Plan being included.

## INVESTMENT SECTION

### PERS-DCRP Disability OPEB

Pursuant to MPERA and MBOI’s plan to provide diversification of PERS-DCRP Disability OPEB assets, the assets were further diversified into longer term asset classes during the fiscal year ending June 30, 2016. In prior fiscal years, the assets had been solely invested in the STIP.

### Investment Management Fees

The State Legislature sets the management fees MBOI charges. The maximum fee is set at the aggregate level at the beginning of each year. The MBOI management fees are allocated to the pools and separately managed accounts according to their proportionate share of the total Unified Investment Program.

Fiscal 2023 MBOI Administrative Expense, Fees, and Commissions										
	PERS	PERS-DC Disability OPEB	JRS	HPORS	SRS	GWPORS	MPORS	FURS	VFCA	TOTAL
<b>CAPP</b>	\$38,920,770		\$731,441	\$1,041,545	\$2,734,632	\$1,548,003	\$3,153,610	\$3,444,877	\$271,615	\$51,846,493
<b>STIP</b>	96,736		1,579	2,672	7,133	3,928	7,434	8,196	589	128,267
<b>SMI<sup>1</sup></b>		\$4,846								4,846
<b>Totals</b>	<b>\$39,017,506</b>	<b>\$4,846</b>	<b>\$733,020</b>	<b>\$1,044,217</b>	<b>\$2,741,765</b>	<b>\$1,551,931</b>	<b>\$3,161,044</b>	<b>\$3,453,073</b>	<b>\$272,204</b>	<b>\$51,979,606</b>

<sup>1</sup>SMI is the acronym for Separately Managed Investments, which PERS-DC Disability OPEB is invested in Equity Investments.

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**Public Employees' Retirement Board**  
*A Component Unit of the State of Montana*  
**Largest Holdings (by portfolio fair value) as of June 30, 2023**

Pension % Ownership of CAPP & Cash Equivalents			
PERS' shares represent 48.94% of the Pension Asset Class at fair value.	GWPORS' shares represent 1.99% of the Pension Asset Class at fair value.		
JRS' shares represent 0.93% of the Pension Asset Class at fair value.	MPORS' shares represent 4.01% of the Pension Asset Class at fair value.		
HPORS' shares represent 1.32% of the Pension Asset Class at fair value.	FURS' shares represent 4.40% of the Pension Asset Class at fair value.		
SRS' shares represent 3.50% of the Pension Asset Class at fair value.	VFCA's shares represent 0.34% of the Pension Asset Class at fair value.		

Par Value	Domestic Equity	Fair Value	Par Value	International Equity	Fair Value
1,287,836	APPLE INC	\$ 249,801,549	20,500,610	ACWI EX US SUPERFUN	\$ 683,884,707
575,603	MICROSOFT CORP	196,015,846	8,030,046	BLACKROCK ACWI EX US SMALL CAP	135,248,407
1,428,693	ISHARES CORE S+P TOTAL US STOC	139,783,323	1,596,066	ISHARES CORE MSCI EAFE ETF	107,734,455
751,477	AMAZON.COM INC	97,962,542	1,370,288	ISHARES CORE MSCI EMERGING MAR	67,541,496
201,105	NVIDIA CORP	85,071,437	19,470,265	STATE STREET BANK + TRUST CO	19,470,265
172,731	ISHARES CORE S+P 500 ETF	76,987,934	758,000	TAIWAN SEMICONDUCTOR MANUFAC	14,018,783
686,900	ISHARES CORE S+P SMALL CAP ETF	68,449,585	179,614	HDFC BANK LTD ADR	12,519,096
232,180	TESLA INC	60,777,759	3,091,539	WALMART DE MEXICO SAB DE CV	12,237,811
484,796	ALPHABET INC CL A	58,030,081	351,623	RELX PLC	11,716,818
437,206	ALPHABET INC CL C	52,888,810	65,892	CIE FINANCIERE RICHEMO A REG	11,169,197

Par Value	Private Investments	Fair Value	Par Value	Real Assets	Fair Value
64,551,220	OCP ASIA FUND III LP	\$ 75,301,903	46,675,730	KIMMERIDGE ENERGY EXPLOR FD V	\$ 82,601,059
63,385,136	TREE LINE DIRECT LENDING III	64,879,631	84,683,985	TSY INFL IX N/B	77,938,132
60,000,000	DEERPATH CAPITAL ADVANTAGE IV	62,243,640	53,822,166	ITE RAIL FUND LP	53,926,097
40,391,332	CRESCENT ASIA CONS AND DVF II	61,205,914	35,882,456	MOLPUS WOODLANDS FUND III LP	47,278,724
35,956,312	LEVINE LEICHTMAN CAPITAL VI LP	53,130,485	26,165,990	COPENHAGEN INFRASTRUCTURE IV	44,184,408
40,959,311	SUMERU EQUITY PARTNERS III LP	52,917,341	36,956,526	CBRE MSHLL INFRA INVESTMENTS	37,085,616
36,928,558	VERITAS CAPITAL FUND VII, L.P	52,653,107	32,235,587	EQT INFRASTRUCTURE V	36,998,846
10,470,659	GRIDIRON CAPITAL FUND III	51,976,183	24,359,331	TRILANTIC ENERGY PARTNERS II	35,609,785
12,892,489	VERITAS CAPITAL FD VI LP	49,265,643	23,653,333	ORM TIMBER FUND III LLC	34,424,423
37,972,225	ODYSSEY INVESTMENT PRTNS FD VI	48,732,870	30,737,001	DENHAM INTL POWER FUND LP	33,935,924

Par Value	Real Estate	Fair Value	Par Value	Core Fixed Income	Fair Value
85,243,528	STOCKBRIDGE NICHE LOGISTICS FD	\$ 129,458,750	651,520,000	US TREASURY N/B	\$ 554,957,035
1,024,487	CENTERSQUARE DOMESTIC REIT MU6	125,638,374	112,000,000	FEDERAL FARM CREDIT BANK	94,237,820
16,011,470	FIDELITY ADVISOR SER IV	108,717,885	55,000,000	FEDERAL HOME LOAN BANK	49,838,350
63,224	HEITMAN AMERICA RE TRUST LP	91,145,146	50,634,562	FINANCE OF AMERICA STRUCTURED	46,751,484
40,406	PRISA LP	91,132,599	32,674,672	STATE STREET BANK + TRUST CO	32,674,672
5,820,497	552992935 JPM STRATEGIC PROPRT	80,385,823	32,000,000	BANK OF AMERICA CORP	28,784,070
67,739,130	OCP ASIA OPPOR FUND US LP	67,547,903	32,495,744	FRESB MULTIFAMILY MORTGAGE PAS	28,771,598
61,676,995	EW SILVER BOW HOLDINGS LLC	62,273,843	30,264,297	FANNIE MAE	27,828,040
80,000,000	AG CREDO III	59,576,160	29,221,315	TSY INFL IX N/B	27,113,953
4,736	UBS TRUMBULL PROPERTY FUND	49,813,497	22,000,000	CAPITAL ONE FINANCIAL CO	20,303,420

Par Value	Non-Core Fixed Income	Fair Value	Par Value	Cash Equivalents	Fair Value
21,889,804	STATE STREET BANK + TRUST CO	\$ 21,889,804	245,411,043	SHORT TERM INVESTMENT POOL	\$ 245,411,043
9,394,000	FORD MOTOR CREDIT CO LLC	8,843,325	1,509,720	STATE STREET BANK + TRUST CO	1,509,720
8,812,775	TRANSDIGM INC	8,614,144			
171,035,000	REPUBLIC OF SOUTH AFRICA <sup>1</sup>	8,495,536			
9,553,000	CCO HLDGS LLC/CAP CORP	8,429,004			
7,672,000	TENET HEALTHCARE CORP	7,568,052			
5,153,315	BANK OF AMERICA CORP	6,707,389			
6,762,000	CAESARS ENTERTAIN INC	6,696,791			
4,332,974	WELLS FARGO + COMPANY	6,075,550			
6,405,000	IRON MOUNTAIN INC	5,980,293			

<sup>1</sup> Shares/Par Value issued in local currency, Fair Value translated in base currency

A complete list of the portfolio holdings can be obtained by contacting the Montana Board of Investments.

## INVESTMENT SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Investment Summary

*as of June 30, 2023*

*(in thousands)*

Type of Investment	PERS-DBRP <sup>1</sup>		JRS		HPORS		SRS	
	Fair value	% of Total Fair Value	Fair Value	% of Total Fair Value	Fair Value	% of Total Fair Value	Fair Value	% of Total Fair Value
<i>Fixed Income</i>								
Core Fixed Income	\$ 910,132	13.17 %	\$ 17,208	13.17 %	\$ 24,497	13.17 %	\$ 65,019	13.16 %
Non-Core Fixed Income	444,516	6.43 %	8,404	6.43 %	11,964	6.43 %	31,756	6.43 %
Cash Equivalents	48,417	0.70 %	915	0.70 %	1,303	0.70 %	3,459	0.70 %
<i>Equities</i>								
Domestic Equity	1,963,039	28.42 %	37,114	28.42 %	52,837	28.42 %	140,238	28.39 %
International Equity	1,021,354	14.78 %	19,310	14.78 %	27,490	14.78 %	72,965	14.78 %
<i>Alternative Investments</i>								
Private Investments	1,197,875	17.34 %	22,647	17.34 %	32,242	17.34 %	85,575	17.33 %
Real Assets	424,563	6.14 %	8,027	6.14 %	11,427	6.14 %	30,330	6.14 %
Real Estate	830,577	12.02 %	15,703	12.02 %	22,356	12.02 %	59,336	12.01 %
<i>Short Term Investments</i>								
Short Term Investments Pool (STIP) <sup>1</sup>	68,909	1.00 %	1,296	1.00 %	1,844	1.00 %	5,237	1.06 %
<b>Total</b>	<b>\$ 6,909,382</b>	<b>100.00 %</b>	<b>\$ 130,624</b>	<b>100.00 %</b>	<b>\$ 185,960</b>	<b>100.00 %</b>	<b>\$ 493,915</b>	<b>100.00 %</b>

<sup>1</sup> These figures only include those of the PERS-Defined Benefit Retirement Plan, whereas the financial statements include the total in the Defined Benefit Retirement Plan and the Defined Benefit Education Program.

<sup>2</sup> The figures for VFCA Retirement Plan also includes VFCA Supplemental Plan STIP.

**Public Employees' Retirement Board**  
*A Component Unit of the State of Montana*  
**Investment Summary**  
*as of June 30, 2023*  
*(in thousands)*

Type of Investment	GWPORS		MPORS		FURS		VFCA <sup>2</sup>	
	Fair value	% of Total Fair Value	Fair Value	% of Total Fair Value	Fair Value	% of Total Fair Value	Fair Value	% of Total Fair Value
<i>Fixed Income</i>								
Core Fixed Income	\$ 36,949	13.17 %	\$ 74,491	13.17 %	\$ 81,850	13.17 %	\$ 6,262	13.16 %
Non-Core Fixed Income	18,046	6.43 %	36,382	6.43 %	39,976	6.43 %	3,058	6.43 %
Cash Equivalents	1,966	0.70 %	3,963	0.70 %	4,354	0.70 %	333	0.70 %
<i>Equities</i>								
Domestic Equity	79,695	28.41 %	160,668	28.40 %	176,541	28.40 %	13,505	28.40 %
International Equity	41,465	14.78 %	83,594	14.78 %	91,853	14.78 %	7,027	14.78 %
<i>Alternative Investments</i>								
Private Investments	48,631	17.34 %	98,042	17.33 %	107,728	17.33 %	8,241	17.33 %
Real Assets	17,236	6.15 %	34,749	6.14 %	38,182	6.14 %	2,921	6.14 %
Real Estate	33,719	12.02 %	67,980	12.02 %	74,696	12.02 %	5,714	12.02 %
<i>Short Term Investments</i>								
Short Term Investments Pool (STIP) <sup>2</sup>	2,771	1.00 %	5,839	1.03 %	6,371	1.03 %	493	1.04 %
<b>Total</b>	<b>\$ 280,478</b>	<b>100.00 %</b>	<b>\$ 565,708</b>	<b>100.00 %</b>	<b>\$ 621,551</b>	<b>100.00 %</b>	<b>\$ 47,554</b>	<b>100.00 %</b>

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**Cavanaugh Macdonald**  
 CONSULTING, LLC  
*The experience and dedication you deserve*

October 27, 2023

Public Employees' Retirement Board  
 100 North Park Avenue, Suite 200  
 Helena, Montana 59620

Dear Members of the Board:

At your request, we have conducted the June 30, 2023 valuation for each of the eight funded pension programs administered by the Public Employees' Retirement Board. Actuarial valuations are performed annually. This valuation reflects the benefit provisions and contribution rates in effect as of July 1, 2023.

***Valuation Results***

The calculations have been made on a basis consistent with our understanding of the Systems' funding requirements and goals. The funding objective for each System is to pay the Normal Cost plus an amount that amortizes the Unfunded Actuarial Liability over a period of not more than 30 years. Our valuations demonstrate that the projected income stream from the expected contributions are sufficient to pay the Normal Costs and amortize the Unfunded Actuarial Liability as a level percentage of future payroll for the following six Systems. The amortization periods are shown below.

- Public Employees' Retirement System (PERS) 28 years
- Highway Patrol Officers' Retirement System (HPORS) 25 years
- Municipal Police Officers' Retirement System (MPORS) 21 years
- Firefighters' Unified Retirement System (FURS) 10 years
- Sheriffs' Retirement System (SRS) 25 years
- Game Wardens' and Peace Officers' Retirement System (GWPORS) 25 years

Member, employer, and state contribution are determined by statute for PERS, MPORS and FURS. Beginning with the June 30, 2023 actuarial valuation, HPORS, SRS, GWPORS and Judges' Retirement System (JRS) will contribute an actuarially determined contribution rate that is effective one year following the valuation date. The new policy will use a layered amortization approach with a 25-year closed amortization period for the legacy unfunded liability and 10-year

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Public Employees' Retirement Board  
 October 27, 2023  
 Page 2

closed amortization periods for contemporary unfunded liabilities. The employer contribution rates effective for the year July 1, 2024 through June 30, 2025 for these System are shown below:

- Highway Patrol Officers' Retirement System (HPORS) 34.40%
- Sheriffs' Retirement System (SRS) 12.074%
- Game Wardens' and Peace Officers' Retirement System (GWPORS) 9.62%
- Judges Retirement System (JRS) 0.00%

The amortization periods using the Market Value of Assets for all of the Systems are shown below:

- Public Employees' Retirement System (PERS) 29 years
- Highway Patrol Officers' Retirement System (HPORS) 25 years
- Municipal Police Officers' Retirement System (MPORS) 22 years
- Firefighters' Unified Retirement System (FURS) 11 years
- Sheriffs' Retirement System (SRS) 25 years
- Game Wardens' and Peace Officers' Retirement System (GWPORS) 25 years

The employer contribution rates using the Market Value of Assets for the Systems now contributing an actuarially determined contribution rate are shown below:

- Highway Patrol Officers' Retirement System (HPORS) 38.77%
- Sheriffs' Retirement System (SRS) 12.714%
- Game Wardens' and Peace Officers' Retirement System (GWPORS) 10.33%
- Judges Retirement System (JRS) 0.00%

The Unfunded Actuarial Liability for the Volunteer Firefighters' Compensation Act (VFCA) is expected to be amortized over 1 year using the Actuarial Value of Assets and over 1 year using the Market Value of Assets.

The changes in funded status (on an Actuarial Value of Assets basis) for each System are shown below:

	<u>2022</u>	<u>2023</u>
PERS	75%	75%
JRS	174%	181%
HPORS	66%	67%
SRS	79%	78%
GWPORS	83%	82%
MPORS	71%	73%
FURS	81%	82%
VFCA	91%	98%



Public Employees' Retirement Board  
October 27, 2023  
Page 3

The asset values used to determine unfunded liabilities are not market values but less volatile market related values. A smoothing technique is applied to market values to determine the market related values. Due to net investment losses, which are being recognized over four years, the Actuarial Value of Assets as of June 30, 2023 are more than the Market Value of Assets for all of the Systems. If the Market Value of Assets had been used to determine the funded status for these, the funded status of each of the Systems would have been lower compared to using the Actuarial Value of Assets.

HB 454 requires the PERS actuarial valuation to determine whether certain funded status and amortization thresholds are met. Once met, certain temporary employer and member contributions are discontinued. Based upon our June 30, 2023 valuation results, temporary employer and member contributions must remain in place.

At the request of the Board, we also performed a valuation as of June 30, 2023 of the PERS Long Term Disability Plan under the Defined Contribution Plan. As of June 30, 2023, the Plan has an Actuarial Surplus. The funded ratio is 573%.

#### *Assumptions and Methods*

The actuarial assumptions used in the valuations are based on an experience study for the five-year period ending June 30, 2021. The assumptions and methods used for funding purposes conform to the parameters set by accounting principles of the United States of America as promulgated by the Governmental Accounting Standards Board. In addition, the assumptions and methods used for funding purposes meet the parameters set forth by Actuarial Standards of Practice.

The actuarial assumptions reflect our understanding of the likely future experience of the System, and the assumptions as a whole represent the best estimate for the future experience of the System. Future actuarial results may differ significantly from the current results presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. Determinations for purposes other than meeting these requirements may be significantly different from the results in this letter. Accordingly, additional determinations may be needed for other purposes.

In order to prepare the results in this report, we have utilized actuarial models that were developed to measure liabilities and develop actuarial costs. These models include tools that we have produced and tested, along with commercially available valuation software that we have reviewed to confirm the appropriateness and accuracy of the output. In utilizing these models, we develop and use input parameters and assumptions about future contingent events along with recognized actuarial approaches to develop the needed results.



Public Employees' Retirement Board  
October 27, 2023  
Page 4

### *Reliance on Others*

In preparing the actuarial valuations, we relied on information supplied by the staff of the Public Employee Retirement Administration. This information includes, but is not limited to, plan provisions, employee data, and financial information. We performed an informal examination of the obvious characteristics of the data for reasonableness and consistency in accordance with Actuarial Standard of Practice No. 23.

### *Supporting Schedules*

The following schedules in this Actuarial Section were provided by Cavanaugh Macdonald Consulting to support these actuarial results:

- Schedule of Active Member Composition
- Schedule of Retiree Member Composition
- Schedule of Disabled Member Composition
- Schedule of Converted Disabled Member Composition
- Schedule of Beneficiary Member Composition

Other information presented in this Actuarial Section as of June 30, 2023, and in various parts of the Financial and Statistical Sections is based on information found in our actuarial valuation reports. Numbers reported for years prior to the fiscal year ending June 30, 2016 were developed by the prior actuary and are reported per their valuation reports.

### *Certification*

This is to certify that the undersigned are Members of the American Academy of Actuaries and meet the qualification standards of the American Academy of Actuaries to render the actuarial opinion contained herein. They have experience in performing valuations for public retirement systems. The valuations were prepared in accordance with generally recognized and accepted actuarial principles and practices which are consistent with the Code of Professional Conduct and applicable Actuarial Standards of Practice set out by the Actuarial Standards Board. The actuarial calculations were performed by qualified actuaries in accordance with accepted actuarial procedures, based on the current provisions of the retirement system and on actuarial assumptions that are internally consistent and reasonably based on the actual experience of the System.

Public Employees' Retirement Board  
October 27, 2023  
Page 5

This letter was prepared exclusively for the Public Employees' Retirement Board for the purpose described herein. Other users of this letter are not intended users as defined in the Actuarial Standards of Practice, and Cavanaugh Macdonald Consulting LLC assumes no duty or liability to any other user.

Respectfully submitted,

*/s/ Todd B. Green*

Todd B. Green, ASA, EA, FCA, MAAA  
President

*/s/ Bryan Hoge*

Bryan Hoge, FSA, EA, FCA, MAAA  
Consulting Actuary

*/s/ Beverly V. Bailey*

Beverly V. Bailey, ASA, EA, FCA, MAAA  
Senior Actuary

## **Public Employees' Retirement Board**

*A Component Unit of the State of Montana*

### **Summary of Actuarial Assumptions and Methods**

#### **Background**

The results of the actuarial valuation are based upon the assumptions and funding policies adopted by the Public Employees' Retirement Board (PERB) and statutory funding requirements. Assumptions and methods are reviewed against actual experience at least once every five years through the completion of the Actuarial Experience Study. In general, the assumptions and methods used in the June 30, 2023 valuation are based on the most recent actuarial experience study for the five-year period July 1, 2016 to June 30, 2021. The recommendations were formed on the basis of recent experience of the plans and on the current expectations of future economic conditions. The actuarial methods, assumptions, factors, and any changes in the actuarial assumptions are described in this section.

#### **Records and Data**

The data used in the valuation consists of financial information; records of age, sex, service, salary, contribution rates, and account balances of contributing members; and records of age, sex, and amount of benefit for retired members and beneficiaries. All data supplied to the actuary by Montana Public Employee Retirement Administration (MPERA) was accepted for valuation purposes without audit.

#### **Valuation Date**

The valuation date is June 30 of each year. This is the date as of which the actuarial present value of future benefits and the actuarial value of assets are determined.

#### **Actuarial Cost Method**

The actuarial valuation was prepared using the entry age actuarial cost method. Under this method, the actuarial present value of the projected benefits is determined for each member and allocated as a level percentage of the member's projected compensation between entry age and assumed exit age. The portion of the actuarial present value allocated to the current valuation year is called the Normal Cost. The normal cost is first calculated for each individual member. The normal cost rate is defined to equal the total of the individual normal costs, divided by the total pay rate. The normal cost is the theoretical contribution rate, which will meet the ongoing costs of a group of average new employees. The portion of the actuarial present value of future benefits allocated to prior years of service is called the actuarial accrued liability. The portion of the actuarial liability in excess of plan assets is amortized to develop an additional cost or savings which is added to each year's employer normal cost. The unfunded actuarial accrued liability represents the difference between the actuarial accrued liability and the actuarial value of assets as of the valuation date. Actuarial gains and losses are directly reflected in the size of the unfunded actuarial liability.

**Actuarial Value of Assets**

Asset values were supplied by MPERA and were accepted without audit by the actuary. The Actuarial Value of Assets is the current market value, adjusted by a four-year smoothing of gains and losses on a market value basis. The asset adjustment method lessens the volatility in asset values that could occur because of fluctuations in market conditions. Each year's gain or loss is determined as the difference between the actual market return and the expected market return using the assumed rate of investment return.

**Investment Return**

The actuarial assumption for the rate of investment return is 7.30%, consisting of a price inflation assumption of 2.75% and a real rate of return assumption of 4.55%. The future investment earnings of the assets of the plans are assumed to accrue at an annual rate of 7.30%, net of both investment-related and administrative expenses.

**Administrative Expenses and Investment Expenses**

The administrative and investment expenses of the systems are assumed to be funded by investment earnings in excess of 7.30% per year.

With the most recent experience study as of June 30, 2021, the administrative expense ratio averaged 0.08%, therefore a long-term administrative expense ratio of 0.08% is included in the net investment return assumption. In past valuations, the administrative expense assumption was added to the total actuarial contribution rate.

**Amortization of the Unfunded Actuarial Liability (UAL)**

The unfunded actuarial liability is amortized as a level percentage of the projected payroll for PERS, MPORS and FURS. The VFCA is amortized as a level dollar because there is no payroll.

During the 2023 Legislative Session, House Bill 569 was signed into law which states that an actuarially determined contribution rate will be developed and contributed beginning fiscal year end 2025. The new policy will use a layered amortization approach with a 25-year closed amortization period for the legacy unfunded liability and 10-year closed amortization periods for contemporary unfunded liabilities for JRS, HPORS, SRS and GWPORS.

**Interest on Member Contributions**

Interest on member contributions at the time of the valuation was assumed to accrue at the most recent actual rate adopted by the PERB, or a rate of 0.32% per annum, compounded annually. With an exception of VFCA, which has no member contributions.

**Capital Preservation Premium on MPORS DROP Accounts**

Effective July 1, 2009, the interest earned on MPORS DROP accounts changed from the actual trust fund earnings with a floor of zero to the actuarial assumed rate of return.

**Future Salaries**

Estimates of future salaries are based on two types of assumptions. Rates of increase in the general wage level of the membership are directly related to inflation, while individual salary changes due to promotion and longevity, referred to as the merit scale, occur even in the absence of inflation.

## ACTUARIAL SECTION

The assumed increase in future salaries due to general wage growth is 3.50% per year for all plans. The merit scale is based on years of service and is in addition to the wage growth. The merit scale is calculated independently for each plan based on the factors applicable to the plan. VFCA is excluded from this calculation because members are unpaid volunteers.

### Probability of Marriage and Dependent Children

The probability of marriage assumption is 100% of all non-retired members. Male spouses are assumed to be three years older than female spouses for all systems.

If death occurs in active status, all members are assumed to have an eligible surviving spouse with no dependent children.

### Mortality

The mortality assumptions among contributing members, terminated vested members, service retired members, and beneficiaries are different for the general employee plans (PERS-DBRP and JRS) and for the public safety plans (HPORS, SRS, GWPORS, MPORS, and FURS). See the differences in the following tables.

<b>General Employee Plans PERS-DBRP and JRS</b>	
Mortality (Active) - General	PUB-2010 General Amount Weighted Employee Mortality projected to 2021 for males and females. Projected generationally using MP-2021.
Mortality (Disabled) - General	PUB-2010 General Amount Weighted Disabled Retiree Mortality table set forward one year for both males and females.
Mortality (Contingent Survivor) - General	PUB-2010 General Amount Weighted Contingent Survivor Mortality projected to 2021 with ages set forward one year for males and females. Projected generationally using MP-2021.
Mortality (Healthy) - General	PUB-2010 General Amount Weighted Health Retiree Mortality table projected to 2021, with ages set forward one year and adjusted 104% for males and 103% for females. Projected generationally using MP-2021.

<b>Public Safety Plans HPORS, SRS, GWPORS, MPORS, and FURS</b>	
Mortality (Active) - Public Safety	PUB-2010 Safety Amount Weighted Employee Mortality projected to 2021 for males and females. Projected generationally using MP-2021.
Mortality (Disabled) - Public Safety	PUB-2010 Safety Amount Weighted Disabled Retiree Mortality projected to 2021, set forward one year for males.
Mortality (Contingent Survivor) - Public Safety	PUB-2010 Safety Amount Weighted Contingent Survivor Mortality projected to 2021, with ages set forward one year for males. Projected generationally using MP-2021.
Mortality (Healthy) - Public Safety	PUB-2010 Safety Amount Weighted Health Retiree Mortality table projected to 2021, set forward one year for males and adjusted 105% for males and 100% for females. Projected generationally using MP-2021.

### Service Retirement

The assumed rates of service retirement used in the valuations are dependent upon age and years of service and differ between plans. The rates are based on the actual experience of the individual plans.

**Disablement**

The assumed rates of disablement are dependent upon age and differ between plans. It is further assumed that 75% of all disabilities are duty related for HPORS, SRS, and GWPORS. For JRS it is assumed that 10% of all disabilities are duty-related and 90% are assumed to be non-duty related. For PERS and VFCA all disabilities are assumed to be duty related. For MPORS and FURS there is no distinction between duty and non-duty related disabilities. It is assumed that all disabilities are permanent and that no disabled member will recover and return to work.

**Other Terminations of Membership**

The assumed rates of termination, other than for retirement, death, or disability, are calculated individually for each plan. The JRS does not assume termination for any reason other than retirement, death, or disability.

**Terminating Members Electing a Refund**

It is assumed that all terminating members that are non-vested will receive an immediate withdrawal of their member accumulated contributions. The probability of a terminating, vested member electing a refund of the member account balance is based on age and is different for each plan as described in the actuarial valuation. The actuary estimates the present value of future benefits for terminated vested members based on the greater of the present value of their deferred benefit at age 60 or their available contribution account. These assumptions do not apply to the JRS or VFCA.

**Replacement of Terminated Members**

The ages at entry and distribution by sex of future members are assumed to average the same as those of the present members they replace. If the number of active members should increase, it is further assumed that the average entry age of the larger group will be the same, from an actuarial standpoint, as that of the present group. Under these assumptions, the normal cost rates for active members will not vary with the termination of present members.

**Actuarial Factors**

Retirement actuarial factors are used in determining joint, survivor and period certain annuities.

**Records with no Birth Date**

New records with no birth date are assumed to be 37 years old. Records that are not new and have no birth date used the same birth date as the prior year's valuation.

**Active Records with a Salary Less than \$1,000**

These members are included in the active counts, however the pay of these members is not included in the Valuation Projected Salaries. The liability for these members is their accumulated member contribution payable on the valuation date. This assumption does not apply to the JRS or VFCA.

**Changes Since Last Valuation**

There have been no assumption, benefit, contribution or method changes since the last valuation for MPORS, FURS, and VFCA. The PERS-DBRP, JRS, HPORS, SRS, and GWPORS experienced contribution changes:

## ACTUARIAL SECTION

- For the PERS-DBRP, an employer supplemental contribution of 0.10% increase each fiscal year through 2024. For fiscal years beginning after June 30, 2024, the supplemental employer contribution will equal 2.27% of compensation.
- For the JRS, during the 2023 Legislative Session, House Bill (HB) 569 was passed requiring an actuarial determined contribution rate be contributed beginning fiscal year 2025 (July 1, 2024 - June 30, 2025). Per HB 569, for the period July 1, 2023 through June 30, 2024 the employer contribution will be 0.00%.
- For the HPORS, during the 2021 Legislative Session, House Bill 72 was passed for an additional funding source for the HPORS plan from the Highway Patrol state special revenue account used for recruitment and retention of HPORS members. Effective July 1, 2021, HB 72 requires the state special revenue fund to transfer to the HPORS trust fund \$4 million by August 15, 2021, \$2 million by August 15, 2022, and \$500 thousand by August 15 for each fiscal year thereafter until the system is 100% funded.
- During the 2023 Legislative Session, House Bill 569 was passed. Beginning with the June 30, 2023 valuation, the contribution rates will be effective July 1 of the following year for JRS, HPORS, SRS and GWPORS.

The HPORS and SRS experienced benefit changes:

- Since the June 30, 2022 valuation, House Bill 569 has been signed into law which changes retirement eligibility in the HPORS and SRS from 20 years of service at any age, to age 50 and 20 years of service for new hires entering the system on or after July 1, 2023. This change had no impact on the actuarial valuation results for June 30, 2023.

The JRS, HPORS, SRS and GWPORS experienced method changes:

- During the 2023 Legislative session, House Bill 569 was passed which states that an actuarially determined contribution rate will be developed and contributed beginning fiscal year 2025. The new policy will use a layered amortization approach with a 25-year closed amortization period for the legacy unfunded liability and 10-year closed amortization periods for contemporary unfunded liabilities. In addition, this bill provides for a one-time appropriation of general fund dollars to the HPORS of \$27.6 million, to the SRS of \$26.8 million, and \$41.2 million to the GWPORS, which were contributed in July 2023.

Besides the HPORS and SRS change in benefits, there were no changes in any of the other Plans' provisions since the last valuation. Please refer to Note C of the Notes to the Financial Statements in the *Financial Section* for the Plan Provisions of all Defined Benefit, Defined Contribution and Deferred Compensation (457(b)) Plans.

### Actuarial Audit

The PERB has periodic audits performed to monitor the quality of actuarial services performed. The last actuarial audit was performed January of 2015 by Cavanaugh Macdonald Consulting, LLC, acting as an independent auditing actuary prior to becoming PERB's actuary. The audit was limited to reviewing then actuary Cheiron's work in preparing the June 30, 2014 actuarial valuation for the PERS-DBRP.

All results shown for valuations from July 1, 2009 to June 30, 2015 were derived from reports prepared by the prior actuary, Cheiron.

**Calculations Based on the Market Value of Assets**

Section 19-2-407, MCA requires the actuarial report to show how market performance is affecting the actuarial funding of the retirement systems. With the passing of House Bill 569 during the 2023 Legislative Session, if the market value of assets was used: the JRS employer contribution rate would be 0.00%, the HPORS employer contribution rate would be 38.77%; the SRS employer contribution rate would be 12.714%; and, the GWPORS employer contribution rate would be 10.33%. In the following table, the effect on each one of the defined benefit retirement systems is shown using the market value of assets.

At June 30, 2023				
System	Market Value of Assets		Actuarial Value of Assets	
	Funded Ratio	Amortization Period in Years	Funded Ratio	Amortization Period in Years
PERS-DBRP	73.93 %	29	74.77 %	28
JRS	178.92 %	0	181.03 %	0
HPORS	65.83 %	N/A	66.58 %	25
SRS	77.09 %	N/A	77.91 %	25
GWPORS	80.70 %	N/A	81.69 %	25
MPORS	71.65 %	22	72.65 %	21
FURS	81.00 %	11	82.12 %	10
VFCA	96.41 %	1	98.18 %	1

At June 30, 2023, the market value of assets for:

- **PERS-DBRP** was \$78.5 million less than the actuarial value of assets.
- **JRS** was \$1.5 million less than the actuarial value of assets. Since **JRS** has a surplus, it has zero years to amortize the unfunded actuarial liability.
- **HPORS** was \$2.1 million less than the actuarial value of assets.
- **SRS** was \$5.2 million less than the actuarial value of assets.
- **GWPORS** was \$3.5 million less than the actuarial value of assets.
- **MPORS** was \$8.2 million less than the actuarial value of assets.
- **FURS** was \$8.9 million less than the actuarial value of assets.
- **VFCA** was \$928.2 thousand less than the actuarial value of assets.

These differences are due to the smoothing of investment gains and losses over a four-year period.

At June 30, 2023, the valuation of the **PERS-DCRP Disability OPEB Plan** is performed based on the market value of assets. As of June 30, 2023, the statutory contribution rates are sufficient to amortize the unfunded actuarial liability, and the funded ratio is 572.89%. The Plan’s assets saw a return of 11.58% on an annualized market value basis. This was more than the assumed rate of return of 7.30%. The actuarial value of assets is set equal to the market value of assets.

A copy of the June 30, 2023 actuarial valuation reports for each Plan are available at our website, <http://mpera.mt.gov>.

## ACTUARIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Schedule of Active Member Valuation Data

System	Valuation Date	Number Members (a)	Number ERs (b)	Covered Payroll (c)	Average Annual Pay <sup>1</sup> (c/a)	% Pay Increase
<b>PERS-DBRP</b>	<b>June 30, 2023</b>	<b>29,622</b>	<b>551</b>	<b>\$ 1,453,317,132</b>	<b>\$ 49,062</b>	<b>3.61%</b>
	June 30, 2022	28,508	553	1,349,882,543	47,351	0.95%
	June 30, 2021	29,028	553	1,361,589,739	46,906	6.37%
	June 30, 2020	29,039	548	1,280,557,497	44,098	2.20%
	June 30, 2019	28,908	546	1,247,343,733	43,149	0.48%
	June 30, 2018	28,646	544	1,230,105,350	42,942	2.45%
	June 30, 2017	29,395	539	1,232,066,537	41,914	0.36%
	June 30, 2016	28,390	535	1,185,646,179	41,763	2.11%
	June 30, 2015	28,237	539	1,154,866,605	40,899	2.25%
	June 30, 2014	28,229	541	1,129,109,402	39,998	2.90%
<b>JRS</b>	<b>June 30, 2023</b>	<b>60</b>	<b>1</b>	<b>8,561,115</b>	<b>142,685</b>	<b>0.12%</b>
	June 30, 2022	59	1	8,408,166	142,511	(1.91)%
	June 30, 2021	57	1	8,281,631	145,292	5.32%
	June 30, 2020	58	1	8,001,462	137,956	8.38%
	June 30, 2019	58	1	7,382,476	127,284	(3.98)%
	June 30, 2018	55	1	7,290,904	132,562	6.44%
	June 30, 2017	56	1	6,974,470	124,544	(1.02)%
	June 30, 2016	55	1	6,920,367	125,825	6.07%
	June 30, 2015	55	1	6,524,569	118,629	2.67%
	June 30, 2014	55	1	6,354,763	115,541	(0.58)%
<b>HPORS<sup>2</sup></b>	<b>June 30, 2023</b>	<b>235</b>	<b>1</b>	<b>18,004,509</b>	<b>76,615</b>	<b>11.76%</b>
	June 30, 2022	252	1	17,274,748	68,551	0.58%
	June 30, 2021	244	1	16,630,576	68,158	1.75%
	June 30, 2020	233	1	15,607,832	66,986	2.39%
	June 30, 2019	232	1	15,177,612	65,421	(0.05)%
	June 30, 2018	233	1	15,251,339	65,456	0.98%
	June 30, 2017	228	1	14,778,975	64,820	(5.80)%
	June 30, 2016	222	1	15,275,964	68,811	13.98%
	June 30, 2015	241	1	14,549,378	60,371	(2.29)%
	June 30, 2014	229	1	14,149,269	61,787	0.35%
<b>SRS</b>	<b>June 30, 2023</b>	<b>1,543</b>	<b>57</b>	<b>102,449,725</b>	<b>66,396</b>	<b>2.04%</b>
	June 30, 2022	1,481	57	96,370,364	65,071	7.06%
	June 30, 2021	1,495	57	90,869,369	60,782	7.48%
	June 30, 2020	1,502	57	84,942,848	56,553	2.20%
	June 30, 2019	1,454	57	80,461,048	55,338	1.92%
	June 30, 2018	1,429	57	77,587,294	54,295	3.01%
	June 30, 2017	1,415	57	74,581,258	52,708	1.84%
	June 30, 2016	1,364	57	70,593,304	51,755	1.61%
	June 30, 2015	1,336	57	68,045,517	50,932	2.93%
	June 30, 2014	1,307	57	64,672,635	49,482	2.72%

<sup>1</sup> Average Annual Pay is based on Covered Payroll. Prior to FY2016, the prior actuary Cheiron used annualized salaries and not actual covered payroll.

<sup>2</sup> The number of members for HPORS and MPORS includes the DROP members.

This schedule uses the number of members and number of employers that are found in the Financial Section of this report and not the adjusted actuarial numbers used in the *Schedule of Active Member Composition*.

The last actuarial valuation was performed as of June 30, 2023.

<b>System</b>	<b>Valuation Date</b>	<b>Number Members (a)</b>	<b>Number ERs (b)</b>	<b>Covered Payroll (c)</b>	<b>Average Annual Pay<sup>1</sup> (c/a)</b>	<b>% Pay Increase</b>
<b>GWPORS</b>	<b>June 30, 2023</b>	<b>1,017</b>	<b>7</b>	<b>\$ 58,393,246</b>	<b>\$ 57,417</b>	<b>3.33%</b>
	June 30, 2022	977	7	54,286,855	55,565	(5.30)%
	June 30, 2021	1,023	7	60,022,906	58,673	12.60%
	June 30, 2020	1,033	7	53,825,163	52,106	2.95%
	June 30, 2019	1,021	7	51,676,963	50,614	0.58%
	June 30, 2018	1,010	7	50,823,150	50,320	3.13%
	June 30, 2017	1,012	7	49,381,004	48,795	2.44%
	June 30, 2016	989	7	47,108,310	47,632	5.38%
	June 30, 2015	993	7	44,884,739	45,201	3.68%
	June 30, 2014	955	7	41,636,566	43,598	7.25%
<b>MPORS<sup>2</sup></b>	<b>June 30, 2023</b>	<b>862</b>	<b>36</b>	<b>66,806,214</b>	<b>77,501</b>	<b>6.28%</b>
	June 30, 2022	841	36	61,329,209	72,924	1.35%
	June 30, 2021	823	34	59,216,593	71,952	5.04%
	June 30, 2020	829	33	56,783,680	68,497	1.71%
	June 30, 2019	806	33	54,282,431	67,348	1.86%
	June 30, 2018	787	33	52,035,958	66,119	(1.10)%
	June 30, 2017	727	33	48,603,580	66,855	(0.64)%
	June 30, 2016	702	32	47,233,801	67,285	2.10%
	June 30, 2015	694	32	45,736,127	65,902	3.10%
	June 30, 2014	695	32	44,426,617	63,923	4.26%
<b>FURS</b>	<b>June 30, 2023</b>	<b>826</b>	<b>28</b>	<b>65,574,963</b>	<b>79,389</b>	<b>0.11%</b>
	June 30, 2022	749	27	59,394,409	79,298	3.42%
	June 30, 2021	734	27	56,281,681	76,678	4.64%
	June 30, 2020	735	27	53,858,929	73,277	4.24%
	June 30, 2019	722	27	50,756,445	70,300	1.34%
	June 30, 2018	691	27	47,934,517	69,370	4.04%
	June 30, 2017	678	27	45,208,091	66,679	(0.41)%
	June 30, 2016	644	26	43,118,925	66,955	0.85%
	June 30, 2015	627	26	41,627,233	66,391	2.52%
	June 30, 2014	616	25	39,891,869	64,760	4.06%
<b>VFCA</b>	<b>June 30, 2023</b>	<b>2,510</b>				
	June 30, 2022	2,233				
	June 30, 2021	2,031				
	June 30, 2020	2,401				
	June 30, 2019	2,249				
	June 30, 2018	2,029				
	June 30, 2017	1,957				
	June 30, 2016	1,895				
	June 30, 2015	1,977				
	June 30, 2014	1,935				

Covered payroll is not applicable. Members are unpaid volunteers and do not contribute to the fund.

# ACTUARIAL SECTION

## Public Employees' Retirement Board

*A Component Unit of the State of Montana*

### Schedule of Active Member Composition

as of June 30, 2023

	PERS-DBRP	JRS	HPORS <sup>1</sup>	SRS	GWPORS	MPORS <sup>1</sup>	FURS	VFCA <sup>2</sup>	PERS-DCRP
<b>Total Count</b>	29,614	60	220	1,543	1,017	809	826	2,510	3,406
<b>Average Age</b>	46.8	58.4	37.8	38.5	40.8	37.0	38.9	43.3	46.8
<b>Average Service</b>	8.2	9.9	8.5	6.7	7.5	7.2	9.7	6.2	7.4
<b>Average Salary</b>	\$ 50,153	\$ 147,064	\$ 73,583	\$ 67,538	\$ 59,247	\$ 78,141	\$ 83,919	N/A	\$ 61,201
<b>Under Age 25</b>									
<b>Number Members</b>	1,444		10	166	84	42	46	284	72
<b>Average Salary</b>	\$ 30,526		\$ 65,114	\$ 50,393	\$ 39,903	\$ 56,366	\$ 48,555	N/A	\$ 41,145
<b>Ages 25-29</b>									
<b>Number Members</b>	2,277		42	277	147	141	103	259	238
<b>Average Salary</b>	\$ 41,917		\$ 64,243	\$ 59,596	\$ 48,794	\$ 65,654	\$ 66,102	N/A	\$ 52,580
<b>Ages 30-34</b>									
<b>Number Members</b>	2,839		39	249	144	186	140	313	375
<b>Average Salary</b>	\$ 47,876		\$ 70,210	\$ 65,814	\$ 55,147	\$ 73,429	\$ 70,250	N/A	\$ 61,065
<b>Ages 35-39</b>									
<b>Number Members</b>	3,267	2	40	230	128	158	182	251	411
<b>Average Salary</b>	\$ 51,224	\$ 147,677	\$ 72,065	\$ 73,445	\$ 59,849	\$ 82,598	\$ 82,689	N/A	\$ 61,472
<b>Ages 40-44</b>									
<b>Number Members</b>	3,428	6	45	182	142	131	137	303	459
<b>Average Salary</b>	\$ 53,339	\$ 147,677	\$ 81,362	\$ 75,592	\$ 62,973	\$ 88,831	\$ 94,944	N/A	\$ 68,129
<b>Ages 45-49</b>									
<b>Number Members</b>	3,379	3	22	138	112	77	123	271	420
<b>Average Salary</b>	\$ 54,094	\$ 180,753	\$ 80,761	\$ 79,841	\$ 68,332	\$ 87,620	\$ 100,522	N/A	\$ 68,203
<b>Ages 50-54</b>									
<b>Number Members</b>	3,619	6	13	133	114	54	62	244	465
<b>Average Salary</b>	\$ 55,437	\$ 147,768	\$ 82,626	\$ 71,413	\$ 69,509	\$ 85,768	\$ 109,284	N/A	\$ 67,102
<b>Ages 55-59</b>									
<b>Number Members</b>	3,746	17	7	100	82	14	22	206	411
<b>Average Salary</b>	\$ 54,540	\$ 135,364	\$ 77,067	\$ 71,768	\$ 66,837	\$ 97,716	\$ 106,385	N/A	\$ 60,024
<b>Ages 60-64</b>									
<b>Number Members</b>	3,556	13	2	56	51	4	8	164	356
<b>Average Salary</b>	\$ 52,265	\$ 151,892	\$ 83,256	\$ 67,026	\$ 66,242	\$ 74,111	\$ 81,766	N/A	\$ 56,623
<b>Ages 65-69</b>									
<b>Number Members</b>	1,406	5		11	10	2	3	118	141
<b>Average Salary</b>	\$ 45,840	\$ 148,145		\$ 60,236	\$ 57,367	\$ 102,038	\$ 83,045	N/A	\$ 47,435
<b>Age 70 &amp; Over</b>									
<b>Number Members</b>	653	8		1	3			97	58
<b>Average Salary</b>	\$ 33,030	\$ 149,631		\$ 191,031	\$ 58,504			N/A	\$ 37,517

<sup>1</sup> The number of members for HPORS does not include 15 DROP members; MPORS does not include 51 DROP members.

<sup>2</sup> Average Salary is not applicable to VFCA, members are unpaid volunteers.

The last actuarial valuation was performed as of June 30, 2023.

**Public Employees' Retirement Board**  
*A Component Unit of the State of Montana*  
**Schedule of Retiree Member Composition**  
as of June 30, 2023

	PERS-DBRP	JRS	HPORS	SRS	GWPORS	MPORS	FURS	VFCA
<b>Total Count</b>	24,429	68	336	786	457	826	640	1,534
<b>Average Age</b>	73.4	77.1	70.0	66.1	66.1	66.5	69.1	72.9
<b>Average Age at Retirement</b>	61.4	65.1	50.9	54.8	58.0	50.5	53.0	60.4
<b>Average Service at Retirement</b>	20.2	15.9	22.0	18.5	16.8	20.4	23.1	46.8
<b>Average Annual Benefit</b>	\$ 21,611	\$ 60,736	\$ 40,538	\$ 32,198	\$ 25,718	\$ 36,427	\$ 47,188	\$ 2,032
<b>Under Age 45</b>								
Number Members	36		1	7		7	4	
Average Annual Benefit	\$ 6,680		\$ 32,877	\$ 31,545		\$ 46,000	\$ 44,261	
<b>Ages 45-49</b>								
Number Members	29		10	34	1	19	13	
Average Annual Benefit	\$ 14,041		\$ 38,229	\$ 37,795	\$ 6,591	\$ 41,483	\$ 45,667	
<b>Ages 50-54</b>								
Number Members	155		28	77	36	93	57	
Average Annual Benefit	\$ 26,042		\$ 42,416	\$ 37,714	\$ 32,678	\$ 36,795	\$ 43,564	
<b>Ages 55-59</b>								
Number Members	531		48	93	77	142	74	64
Average Annual Benefit	\$ 29,625		\$ 41,277	\$ 29,207	\$ 27,671	\$ 33,741	\$ 47,794	\$ 2,523
<b>Ages 60-64</b>								
Number Members	2,544	3	46	130	102	140	103	202
Average Annual Benefit	\$ 24,150	\$ 54,104	\$ 38,327	\$ 31,866	\$ 24,905	\$ 35,527	\$ 49,472	\$ 2,169
<b>Ages 65-69</b>								
Number Members	5,655	7	31	162	111	114	103	320
Average Annual Benefit	\$ 22,445	\$ 45,009	\$ 41,448	\$ 31,716	\$ 25,325	\$ 34,273	\$ 53,383	\$ 2,071
<b>Ages 70-74</b>								
Number Members	6,062	22	35	141	61	134	86	375
Average Annual Benefit	\$ 22,830	\$ 62,633	\$ 43,674	\$ 33,046	\$ 20,933	\$ 38,239	\$ 51,816	\$ 1,990
<b>Ages 75-79</b>								
Number Members	4,367	17	54	81	36	86	77	269
Average Annual Benefit	\$ 21,337	\$ 70,309	\$ 42,673	\$ 30,952	\$ 23,345	\$ 43,993	\$ 49,849	\$ 1,968
<b>Ages 80 &amp; Over</b>								
Number Members	5,050	19	83	61	33	91	123	304
Average Annual Benefit	\$ 17,341	\$ 56,817	\$ 38,023	\$ 28,437	\$ 29,413	\$ 32,718	\$ 36,759	\$ 1,905

The last actuarial valuation was performed as of June 30, 2023.

# ACTUARIAL SECTION

## Public Employees' Retirement Board

*A Component Unit of the State of Montana*

### Schedule of Beneficiary Member Composition

as of June 30, 2023

	PERS-DBRP	JRS	HPORS	SRS	GWPORS	MPORS	FURS	VFCA
<b>Total Count</b>	554	5	9	23	13	28	17	6
<b>Average Age</b>	64.8	76.6	58.7	58.5	56.1	64.1	73.5	67.2
<b>Average Service at Retirement</b>	18.2	14.1	10.2	13.7	12.6	11.8	14.5	29.6
<b>Average Annual Benefit</b>	\$ 13,748	\$ 33,527	\$ 23,477	\$ 28,664	\$ 13,072	\$ 30,093	\$ 31,542	\$ 1,468
<b>Under Age 45</b>								
<b>Number Members</b>	72			4	4	3	1	
<b>Average Annual Benefit</b>	\$ 7,646			\$ 19,440	\$ 14,344	\$ 22,819	\$ 35,128	
<b>Ages 45-49</b>								
<b>Number Members</b>	20		2	4	1	2	1	1
<b>Average Annual Benefit</b>	\$ 7,694		\$ 31,557	\$ 21,888	\$ 12,311	\$ 24,411	\$ 34,699	\$ 1,260
<b>Ages 50-54</b>								
<b>Number Members</b>	28		2	3		2	2	
<b>Average Annual Benefit</b>	\$ 12,025		\$ 21,035	\$ 22,363		\$ 25,642	\$ 32,668	
<b>Ages 55-59</b>								
<b>Number Members</b>	45		1	2	1	2		1
<b>Average Annual Benefit</b>	\$ 14,417		\$ 7,447	\$ 44,199	\$ 4,189	\$ 34,331		\$ 2,190
<b>Ages 60-64</b>								
<b>Number Members</b>	79		2	1	2	3	1	
<b>Average Annual Benefit</b>	\$ 12,353		\$ 20,097	\$ 71,823	\$ 20,012	\$ 27,472	\$ 25,054	
<b>Ages 65-69</b>								
<b>Number Members</b>	85	1		2	1	4	1	1
<b>Average Annual Benefit</b>	\$ 15,732	\$ 74,926		\$ 48,360	\$ 18,875	\$ 33,815	\$ 31,319	\$ 1,470
<b>Ages 70-74</b>								
<b>Number Members</b>	90	2	1	2	2	3	2	1
<b>Average Annual Benefit</b>	\$ 15,479	\$ 18,350	\$ 17,242	\$ 13,504	\$ 8,514	\$ 34,678	\$ 34,760	\$ 1,155
<b>Ages 75-79</b>								
<b>Number Members</b>	53	1	1	3	2	5	2	2
<b>Average Annual Benefit</b>	\$ 16,174	\$ 18,686	\$ 41,225	\$ 38,496	\$ 10,066	\$ 31,333	\$ 41,425	\$ 1,365
<b>Ages 80 &amp; Over</b>								
<b>Number Members</b>	82	1		2		4	7	
<b>Average Annual Benefit</b>	\$ 16,626	\$ 37,325		\$ 13,724		\$ 31,754	\$ 27,472	

The last actuarial valuation was performed as of June 30, 2023.

**Public Employees' Retirement Board**

*A Component Unit of the State of Montana*

**Schedule of Disabled Member Composition**

as of June 30, 2023

	PERS-DBRP	JRS	HPORS	SRS	GWPORS	MPORS	FURS	VFCA	PERS-DCRP
<b>Total Count</b>	86		4	31	2	27	13	1	7
<b>Average Age</b>	55.4		38.7	50.9	48.0	43.9	41.9	71.5	56.9
<b>Average Age at Disablement</b>	48.1		32.8	43.2	43.1	38.6	35.2	60.5	49.4
<b>Average Service at Retirement</b>	14.0		7.8	10.7	18.5	10.4	7.3	2.3	14.0
<b>Average Annual Benefit</b>	\$ 13,647		\$ 33,517	\$ 34,705	\$ 20,736	\$ 37,178	\$ 32,812	\$ 1,050	\$ 11,250
<b>Under Age 45</b>									
<b>Number Members</b>	6		3	4		15	10		
<b>Average Annual Benefit</b>	\$ 5,845		\$ 31,074	\$ 25,593		\$ 35,789	\$ 31,420		
<b>Ages 45-49</b>									
<b>Number Members</b>	5		1	8	2	12	3		
<b>Average Annual Benefit</b>	\$ 17,009		\$ 40,845	\$ 32,900	\$ 20,736	\$ 38,914	\$ 37,454		
<b>Ages 50-54</b>									
<b>Number Members</b>	21			13					3
<b>Average Annual Benefit</b>	\$ 13,471			\$ 39,086					\$ 9,488
<b>Ages 55-59</b>									
<b>Number Members</b>	48			6					2
<b>Average Annual Benefit</b>	\$ 15,345			\$ 33,694					\$ 12,505
<b>Ages 60-64</b>									
<b>Number Members</b>	6								2
<b>Average Annual Benefit</b>	\$ 5,684								\$ 12,638
<b>Ages 65-69</b>									
<b>Number Members</b>									
<b>Average Annual Benefit</b>									
<b>Ages 70-74</b>									
<b>Number Members</b>								1	
<b>Average Annual Benefit</b>							\$ 1,050		
<b>Ages 75-79</b>									
<b>Number Members</b>									
<b>Average Annual Benefit</b>									
<b>Ages 80 &amp; Over</b>									
<b>Number Members</b>									
<b>Average Annual Benefit</b>									

The last actuarial valuation was performed as of June 30, 2023.

## ACTUARIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Schedule of Converted Disabled Member Composition

as of June 30, 2023

	PERS-DBRP	JRS	HPORS	SRS	GWPORS	MPORS	FURS	VFCA
<b>Total Count</b>	485	1	21	51	18	74	40	
<b>Average Age</b>	72.1	64.5	63.9	68.2	68.9	65.6	69.2	
<b>Average Age at Disablement</b>	51.2	57.1	44.4	46.7	51.2	42.1	45.0	
<b>Average Service at Retirement</b>	14.7	15.1	11.2	10.5	14.4	11.4	15.2	
<b>Average Annual Benefit</b>	\$ 13,639	\$ 71,569	\$ 31,712	\$ 26,857	\$ 23,812	\$ 31,707	\$ 34,831	
<b>Under Age 45</b>								
<b>Number Members</b>								
<b>Average Annual Benefit</b>								
<b>Ages 45-49</b>								
<b>Number Members</b>								
<b>Average Annual Benefit</b>								
<b>Ages 50-54</b>								
<b>Number Members</b>			4	2	2	18	2	
<b>Average Annual Benefit</b>			\$ 33,997	\$ 17,413	\$ 23,793	\$ 35,499	\$ 42,938	
<b>Ages 55-59</b>								
<b>Number Members</b>			4	3	2	7	6	
<b>Average Annual Benefit</b>			\$ 29,778	\$ 26,853	\$ 15,903	\$ 33,585	\$ 43,217	
<b>Ages 60-64</b>								
<b>Number Members</b>	96	1	6	10	3	10	4	
<b>Average Annual Benefit</b>	\$ 15,896	\$ 71,569	\$ 31,347	\$ 29,044	\$ 21,923	\$ 32,730	\$ 31,512	
<b>Ages 65-69</b>								
<b>Number Members</b>	115		1	17	2	11	7	
<b>Average Annual Benefit</b>	\$ 13,795		\$ 37,958	\$ 28,958	\$ 20,099	\$ 30,508	\$ 31,414	
<b>Ages 70-74</b>								
<b>Number Members</b>	117		3	10	4	13	11	
<b>Average Annual Benefit</b>	\$ 13,268		\$ 31,593	\$ 25,672	\$ 26,004	\$ 28,227	\$ 36,507	
<b>Ages 75-79</b>								
<b>Number Members</b>	82		1	8	3	7	7	
<b>Average Annual Benefit</b>	\$ 12,948		\$ 31,754	\$ 24,082	\$ 27,485	\$ 30,939	\$ 30,793	
<b>Ages 80 &amp; Over</b>								
<b>Number Members</b>	75		2	1	2	8	3	
<b>Average Annual Benefit</b>	\$ 11,847		\$ 29,136	\$ 22,252	\$ 28,398	\$ 28,232	\$ 28,326	

The last actuarial valuation was performed as of June 30, 2023.

Converted disabilities include those members who are disabled, but have reached normal retirement age and are no longer recorded as disabled by MPERA.

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# ACTUARIAL SECTION

## Public Employees' Retirement Board

*A Component Unit of the State of Montana*

### Schedule of Retirees and Beneficiaries

#### Added to and Removed from Rolls

Year Ended	Added		Removed		End of Year <sup>4</sup>	Benefits <sup>2</sup>	Average Annual Benefit <sup>3</sup>	% Benefit Increase/Decrease
	No. <sup>5</sup>	Annual Benefits <sup>1</sup>	No.	Annual Benefits <sup>1</sup>				
<b>PERS-DBRP</b>								
June 30, 2023	1,352	\$ 45,566,417	837	\$ 15,612,670	25,643	\$ 541,852,695	\$ 21,131	(1.27)%
June 30, 2022	1,601	43,334,437	937	13,451,522	25,128	509,232,157	21,402	4.93 %
June 30, 2021	1,434	37,085,432	854	13,001,858	24,536	476,443,132	20,396	3.68 %
June 30, 2020	1,334	35,688,702	623	11,730,454	23,956	449,601,997	19,673	4.98 %
June 30, 2019	1,304	38,000,460	615	11,418,582	23,245	422,444,896	18,739	11.09 %
June 30, 2018	1,403	37,846,436	652	9,454,423	22,556	395,338,673	16,869	(3.33)%
June 30, 2017	1,312	31,596,750	840	9,548,655	21,805	366,354,719	17,450	(3.04)%
June 30, 2016	1,318	19,195,422	666	4,630,708	21,333	344,103,875	17,997	6.21 %
June 30, 2015	1,255	18,427,160	655	4,854,984	20,681	319,501,818	16,945	4.41 %
June 30, 2014	1,226	15,851,006	596	4,376,529	20,081	296,183,076	16,230	4.21 %
<b>JRS</b>								
June 30, 2023	3	163,222	2	83,148	75	4,427,197	59,029	(1.15)%
June 30, 2022	2	253,644	1	140,470	74	4,356,996	59,717	3.55 %
June 30, 2021	4	259,015	3	121,652	73	4,204,547	57,670	1.50 %
June 30, 2020	1	283,156	2	136,494	72	4,038,362	56,816	4.00 %
June 30, 2019	7	298,135	4	167,376	73	3,846,157	54,632	7.38 %
June 30, 2018	5	501,241	3	325,448	70	3,723,271	50,875	(2.86)%
June 30, 2017	5	261,004	5	119,595	68	3,554,335	52,372	(3.51)%
June 30, 2016	5	319,842	4	71,398	68	3,416,023	54,279	8.33 %
June 30, 2015	2	71,326	2	14,415	67	3,040,988	50,105	3.91 %
June 30, 2014	3	171,535	1	65,592	67	3,022,512	48,221	2.31 %
<b>HPORS</b>								
June 30, 2023	16	1,015,468	7	370,905	366	14,608,758	39,915	2.50 %
June 30, 2022	11	770,018	19	677,199	357	13,735,628	38,941	0.60 %
June 30, 2021	21	911,598	19	520,647	352	13,710,171	38,708	4.36 %
June 30, 2020	16	653,049	8	305,228	350	12,684,315	37,090	5.45 %
June 30, 2019	15	961,821	11	445,997	342	12,062,607	35,172	8.48 %
June 30, 2018	19	879,739	12	336,121	338	11,545,732	32,424	(2.07)%
June 30, 2017	23	673,416	21	171,465	331	11,036,794	33,109	(3.17)%
June 30, 2016	13	371,167	11	61,783	329	10,482,414	34,193	4.55 %
June 30, 2015	14	366,606	9	57,749	327	9,932,134	32,707	3.31 %
June 30, 2014	17	408,119	5	32,946	322	9,344,441	31,658	4.16 %
<b>SRS</b>								
June 30, 2023	68	2,673,775	14	604,935	894	27,343,915	30,586	0.01 %
June 30, 2022	56	2,179,167	21	535,921	840	24,995,215	30,583	(3.12)%
June 30, 2021	62	1,941,486	15	481,500	810	24,708,608	31,568	9.03 %
June 30, 2020	50	2,012,640	13	344,882	763	21,481,264	28,954	3.17 %
June 30, 2019	56	1,846,051	11	407,249	726	19,512,312	28,065	10.95 %
June 30, 2018	42	1,633,338	9	332,445	681	18,052,544	25,295	(4.85)%
June 30, 2017	39	1,429,635	11	310,474	648	16,700,117	26,583	(1.16)%
June 30, 2016	54	1,008,978	11	114,283	620	15,476,437	26,896	3.50 %
June 30, 2015	50	791,307	6	60,636	577	14,019,543	25,986	2.12 %
June 30, 2014	35	643,063	5	26,764	533	12,732,103	25,446	2.07 %

<sup>1</sup> These amounts are based on annual benefit totals which include lump sum death benefit payouts.

<sup>2</sup> Includes death benefit payments for active members.

<sup>3</sup> Based on June monthly benefit totals.

<sup>4</sup> For HPORS and MPORS, End of Year does not include DROP.

<sup>5</sup> For JRS, restating the Added for FY2021, originally reported as 5. However should have been only 4 for a End of Year total of 73

Due to MPERA's new computer system, beginning with FY2017, the amounts are calculated differently.

The last actuarial valuation was performed as of June 30, 2023.

Year Ended	Added		Removed		End of Year <sup>4</sup>	Benefits <sup>2</sup>	Average Annual Benefit <sup>3</sup>	% Benefit Increase
	No.	Annual Benefits <sup>1</sup>	No.	Annual Benefits <sup>1</sup>				
<b>GWORS</b>								
June 30, 2023	58	\$ 1,440,579	15	\$ 303,612	488	\$ 11,833,285	\$ 24,249	(1.32)%
June 30, 2022	34	1,294,984	6	148,100	445	10,587,005	24,572	3.57 %
June 30, 2021	43	1,110,967	3	157,349	424	9,282,705	23,725	3.87 %
June 30, 2020	44	1,055,522	6	233,544	384	8,247,117	22,841	1.45 %
June 30, 2019	39	956,899	5	151,172	346	7,349,795	22,513	14.64 %
June 30, 2018	38	770,585	2	105,878	312	6,522,921	19,638	(11.54)%
June 30, 2017	31	745,929	5	135,340	276	5,809,910	22,199	(2.77)%
June 30, 2016	23	338,386	4	22,118	250	5,068,318	22,832	(2.02)%
June 30, 2015	35	419,935	7	53,794	231	4,550,326	23,302	4.66 %
June 30, 2014	26	283,359	3	21,306	203	3,979,269	22,265	1.49 %
<b>MPORS</b>								
June 30, 2023	46	2,675,894	27	1,300,152	952	33,957,906	35,670	2.35 %
June 30, 2022	52	2,654,332	36	1,211,433	933	31,824,571	34,851	0.99 %
June 30, 2021	42	1,938,190	23	1,057,256	889	29,790,973	34,510	5.64 %
June 30, 2020	43	1,747,930	23	913,909	870	27,866,365	32,668	3.05 %
June 30, 2019	45	1,961,332	7	898,114	850	26,220,684	31,701	7.70 %
June 30, 2018	32	1,690,900	11	756,092	812	24,566,646	29,434	(2.59)%
June 30, 2017	32	1,551,779	9	420,615	791	23,474,602	30,215	(0.47)%
June 30, 2016	39	834,722	15	80,036	768	21,960,690	30,357	3.10 %
June 30, 2015	43	877,021	15	125,552	744	20,560,131	29,443	2.08 %
June 30, 2014	19	462,040	13	109,127	716	19,449,550	28,842	4.50 %
<b>FURS</b>								
June 30, 2023	36	2,416,237	24	847,199	716	32,131,050	44,876	2.26 %
June 30, 2022	41	2,529,928	30	912,228	704	30,345,902	43,885	4.30 %
June 30, 2021	39	2,091,336	24	669,339	693	28,529,988	42,074	2.97 %
June 30, 2020	38	1,846,971	21	803,489	678	26,838,506	40,862	4.20 %
June 30, 2019	19	2,199,976	10	611,402	661	25,626,191	39,215	11.53 %
June 30, 2018	31	1,781,433	9	354,340	652	23,863,193	35,161	(3.37)%
June 30, 2017	23	1,614,614	14	488,405	630	22,335,636	36,389	0.95 %
June 30, 2016	26	761,390	14	95,141	621	20,896,200	36,047	1.38 %
June 30, 2015	27	621,742	13	95,699	609	19,745,267	35,558	6.60 %
June 30, 2014	26	705,387	18	101,960	595	18,871,929	33,356	3.87 %
<b>VFCA</b>								
June 30, 2023	73	130,265	53	107,982	1,544	3,113,937	2,017	(0.50)%
June 30, 2022	62	138,208	65	126,558	1,524	3,097,695	2,027	(2.92)%
June 30, 2021	64	135,668	63	104,447	1,525	3,115,695	2,088	3.67 %
June 30, 2020	75	172,884	39	111,994	1,524	3,065,017	2,014	(0.67)%
June 30, 2019	72	170,647	58	104,169	1,488	2,996,808	2,028	3.29 %
June 30, 2018	85	158,944	49	83,074	1,474	2,944,046	1,963	(2.44)%
June 30, 2017	51	319,633	38	67,063	1,438	2,858,443	2,012	0.50 %
June 30, 2016	92	268,898	38	41,145	1,425	2,623,011	2,002	13.55 %
June 30, 2015	78	83,963	39	38,318	1,371	2,368,553	1,763	0.69 %
June 30, 2014	77	81,473	30	26,715	1,332	2,280,876	1,751	0.16 %

# ACTUARIAL SECTION

## Public Employees' Retirement Board

*A Component Unit of the State of Montana*

### Solvency Test

(in thousands)

System	Valuation Date	Aggregate Accrued Liabilities for				Portion of Accrued Liabilities Covered by Reported Asset		
		1	2	3	1	2	3	
		Active Member Accounts <sup>1</sup>	Retirees and Beneficiaries	Active Members (ER Financed Portion)	Actuarial Value of Assets			
<b>PERS-DBRP</b>	<b>6/30/2023</b>	<b>\$ 934,531</b>	<b>\$ 6,201,796</b>	<b>\$ 2,224,889</b>	<b>\$ 6,999,338</b>	<b>100%</b>	<b>98%</b>	<b>0%</b>
	6/30/2022	916,114	5,967,163	2,143,507	6,770,814	100	98	0
	6/30/2021	928,430	5,548,658	2,057,541	6,514,976	100	100	2
	6/30/2020	924,143	5,289,852	2,020,008	6,099,398	100	98	0
	6/30/2019	898,554	5,028,352	2,030,132	5,903,191	100	100	0
	6/30/2018	876,608	4,718,929	2,134,547	5,705,236	100	100	5
	6/30/2017	882,835	4,423,430	2,272,120	5,514,027	100	100	9
	6/30/2016	842,772	3,955,400	1,989,751	5,247,685	100	100	23
	6/30/2015	841,907	3,687,451	1,940,945	4,926,516	100	100	20
	6/30/2014	838,145	3,436,212	1,903,147	4,595,805	100	100	17
<b>JRS</b>	<b>6/30/2023</b>	<b>5,863</b>	<b>45,018</b>	<b>22,255</b>	<b>132,394</b>	<b>100%</b>	<b>100%</b>	<b>366%</b>
	6/30/2022	5,382	46,254	21,287	126,815	100	100	353
	6/30/2021	5,001	45,503	17,956	120,865	100	100	392
	6/30/2020	4,764	43,547	19,623	110,639	100	100	318
	6/30/2019	4,174	43,861	17,040	104,918	100	100	334
	6/30/2018	4,329	39,714	18,698	101,192	100	100	306
	6/30/2017	4,372	38,351	15,380	97,066	100	100	353
	6/30/2016	4,494	35,673	14,587	91,152	100	100	350
	6/30/2015	4,667	33,210	14,024	84,934	100	100	336
	6/30/2014	4,623	32,776	13,201	78,463	100	100	311
<b>HPORS</b>	<b>6/30/2023</b>	<b>15,057</b>	<b>223,905</b>	<b>44,473</b>	<b>188,716</b>	<b>100%</b>	<b>78%</b>	<b>0%</b>
	6/30/2022	15,411	209,648	48,182	179,361	100	78	0
	6/30/2021	13,982	199,935	38,165	168,056	100	77	0
	6/30/2020	13,311	196,850	35,754	158,658	100	74	0
	6/30/2019	13,070	185,306	38,429	152,851	100	75	0
	6/30/2018	12,976	175,574	41,271	147,144	100	76	0
	6/30/2017	12,288	163,885	43,297	141,236	100	79	0
	6/30/2016	12,535	146,267	44,524	133,869	100	83	0
	6/30/2015	12,102	133,628	47,252	125,676	100	85	0
	6/30/2014	11,507	126,478	45,416	117,226	100	84	0
<b>SRS</b>	<b>6/30/2023</b>	<b>68,382</b>	<b>390,707</b>	<b>182,574</b>	<b>499,906</b>	<b>100%</b>	<b>100%</b>	<b>22%</b>
	6/30/2022	66,071	354,858	176,189	469,549	100	100	28
	6/30/2021	64,537	322,525	138,177	438,036	100	100	37
	6/30/2020	62,479	300,677	130,086	400,720	100	100	29
	6/30/2019	57,884	279,198	125,616	377,387	100	100	32
	6/30/2018	55,236	254,965	126,515	353,904	100	100	35
	6/30/2017	51,998	239,648	119,741	332,169	100	100	34
	6/30/2016	47,826	213,000	112,321	310,510	100	100	44
	6/30/2015	46,500	193,359	109,054	288,269	100	100	44
	6/30/2014	45,595	176,538	103,944	264,945	100	100	41

<sup>1</sup>Active Member Accounts include regular and additional contributions with interest, and excludes all accounts of inactive members.

The last actuarial valuation was performed as of June 30, 2023.

		Aggregate Accrued Liabilities for				Portion of Accrued Liabilities Covered by Reported Asset		
		1	2	3				
System	Valuation Date	Active Member Accounts <sup>1</sup>	Retirees and Beneficiaries	Active Members (ER Financed Portion)	Actuarial Value of Assets	1	2	3
<b>GWPORS</b>	<b>6/30/2023</b>	<b>\$ 44,794</b>	<b>\$ 171,178</b>	<b>\$ 132,332</b>	<b>\$ 284,543</b>	<b>100%</b>	<b>100%</b>	<b>52%</b>
	6/30/2022	45,643	148,131	126,701	266,067	100	100	57
	6/30/2021	44,689	131,732	114,435	247,392	100	100	62
	6/30/2020	43,619	113,801	107,325	221,949	100	100	60
	6/30/2019	41,429	100,024	103,677	206,504	100	100	63
	6/30/2018	39,605	88,621	101,851	190,849	100	100	61
	6/30/2017	39,205	77,897	100,540	176,311	100	100	59
	6/30/2016	36,111	65,912	88,984	160,555	100	100	66
	6/30/2015	34,396	58,648	79,116	145,314	100	100	66
	6/30/2014	32,779	50,062	71,753	129,429	100	100	65
<b>MPORS</b>	<b>6/30/2023</b>	<b>43,782</b>	<b>521,742</b>	<b>252,176</b>	<b>594,019</b>	<b>100%</b>	<b>100%</b>	<b>11%</b>
	6/30/2022	42,816	498,624	237,425	555,005	100	100	6
	6/30/2021	42,904	447,236	204,471	516,144	100	100	13
	6/30/2020	42,767	412,367	210,964	471,328	100	100	8
	6/30/2019	43,542	397,171	197,153	441,565	100	100	0
	6/30/2018	43,686	374,355	193,014	413,608	100	99	0
	6/30/2017	42,364	346,374	173,832	386,259	100	99	0
	6/30/2016	38,543	308,635	171,768	356,985	100	100	6
	6/30/2015	37,193	297,235	162,758	328,025	100	98	0
	6/30/2014	36,950	276,306	161,052	298,722	100	95	0
<b>FURS</b>	<b>6/30/2023</b>	<b>59,030</b>	<b>480,451</b>	<b>255,202</b>	<b>652,590</b>	<b>100%</b>	<b>100%</b>	<b>44%</b>
	6/30/2022	56,109	460,310	233,161	603,180	100	100	37
	6/30/2021	54,685	412,744	178,744	555,517	100	100	49
	6/30/2020	52,250	395,697	164,347	499,180	100	100	31
	6/30/2019	49,752	371,528	157,823	463,085	100	100	26
	6/30/2018	45,908	353,334	148,999	429,095	100	100	20
	6/30/2017	44,351	331,701	146,236	397,633	100	100	15
	6/30/2016	43,046	292,423	131,203	365,259	100	100	23
	6/30/2015	41,278	274,505	126,051	333,629	100	100	14
	6/30/2014	38,805	260,538	119,670	300,949	100	100	1
<b>VFCA</b>	<b>6/30/2023</b>		<b>25,133</b>	<b>27,357</b>	<b>51,536</b>	<b>N/A</b>	<b>100%</b>	<b>96%</b>
	6/30/2022		25,044	27,561	48,078	N/A	100	83
	6/30/2021		25,834	19,303	45,131	N/A	100	99
	6/30/2020		25,817	22,052	41,717	N/A	100	72
	6/30/2019		25,295	21,905	40,009	N/A	100	67
	6/30/2018		25,061	21,245	38,321	N/A	100	62
	6/30/2017		24,509	21,363	36,955	N/A	100	58
	6/30/2016		22,884	21,126	35,302	N/A	100	59
	6/30/2015		22,161	22,157	33,405	N/A	100	51
	6/30/2014		18,888	19,088	31,281	N/A	100	65

Active member accounts are not applicable. Members are unpaid volunteers.

## ACTUARIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Solvency Test

(in thousands)

System	Valuation Date <sup>1</sup>	Aggregate Accrued Liabilities for				Actuarial Value of Assets	Portion of Accrued Liabilities Covered by Reported Asset		
		1	2	3	1		2	3	
		Active Member Accounts	Disabled Members	Active Members (ER Financed Portion)					
<b>PERS-DCRP</b>	<b>6/30/2023</b>	N/A	\$ 431	\$ 1,070	\$ 8,604	100%	100%	763%	
<b>DISABILITY</b>	6/30/2022	N/A	633	977	7,181	100	100	670	
<b>OPEB</b>	6/30/2021	N/A	821	4,958	7,793	100	100	141	
	6/30/2020	N/A	765	4,437	5,753	100	100	112	
	6/30/2019	N/A	822	4,074	5,137	100	100	106	
	6/30/2018	N/A	507	3,847	4,455	100	100	103	
	6/30/2017	N/A	215	3,752	3,457	100	100	86	
	6/30/2016	N/A	401	3,190	3,118	100	100	85	
	6/30/2015	N/A	405	2,830	2,781	100	100	84	
	6/30/2013	N/A	294	2,421	2,184	100	100	78	

<sup>1</sup> The actuarial valuation for the PERS-DCRP Disability OPEB is performed on an annual basis. There were two years between the first two valuations due to the timing of the first valuation.

The last actuarial valuation was performed as of June 30, 2023.

**Public Employees’ Retirement Board**

*A Component Unit of the State of Montana*

**Schedule of Funding Progress for PERS-OPEB DCRP Disability OPEB**

(in thousands)

System	Actuarial Valuation Date <sup>1</sup>	Actuarial Value of Assets	Actuarial Accrued Liability (AAL)	Unfunded AAL (UAAL)	Funded Ratio %	Covered Payroll	UAAL as a Percentage of Covered Payroll
<b>PERS-DCRP</b>							
<b>DISABILITY OPEB</b>	<b>6/30/2023</b>	<b>\$ 8,604</b>	<b>\$ 1,502</b>	<b>\$ (7,102)</b>	<b>572.89%</b>	<b>\$ 211,859</b>	<b>(3.35)%</b>
	6/30/2022	7,181	1,610	(5,570)	445.95	196,004	(2.84)
	6/30/2021	7,793	5,779	(2,014)	134.85	188,710	(1.07)
	6/30/2020	5,753	5,203	(551)	110.59	165,359	(0.33)
	6/30/2019	5,137	4,896	(241)	104.93	149,924	(0.16)
	6/30/2018	4,455	4,354	(101)	102.32	139,066	(0.07)
	6/30/2017	3,457	3,967	510	87.14	129,158	0.39
	6/30/2016	3,118	3,591	473	86.83	114,883	0.41
	6/30/2015	2,781	3,235	454	85.97	113,750	0.40
	6/20/2013	2,184	2,715	531	80.44	90,128	0.59

<sup>1</sup> The actuarial valuation for the PERS-DCRP Disability OPEB is performed on an annual basis. There were two years between the first two valuations due to the timing of the first valuation.

The last actuarial valuation was performed as of June 30, 2023.

## ACTUARIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Schedule of Funding Progress

(in thousands)

System	Actuarial Valuation Date	Actuarial Value of Assets <sup>1</sup> (a)	Actuarial Accrued Liability (AAL) -Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio % (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
<b>PERS-DBRP</b>	<b>6/30/2023</b>	<b>\$ 6,999,338</b>	<b>\$ 9,361,216</b>	<b>\$ 2,361,877</b>	<b>74.77%</b>	<b>\$ 1,453,317</b>	<b>162.52%</b>
	6/30/2022	6,770,814	9,026,784	2,255,971	75.01	1,349,883	167.12
	6/30/2021	6,514,976	8,534,629	2,019,652	76.34	1,361,590	148.33
	6/30/2020	6,099,398	8,234,003	2,134,605	74.08	1,280,557	166.69
	6/30/2019	5,903,191	7,957,038	2,053,847	74.19	1,247,344	164.66
	6/30/2018	5,705,236	7,730,084	2,024,848	73.81	1,230,105	164.61
	6/30/2017	5,514,027	7,578,385	2,064,358	72.76	1,232,067	167.55
	6/30/2016	5,247,685	6,787,923	1,540,238	77.31	1,185,646	129.91
	6/30/2015	4,926,516	6,470,303	1,543,787	76.14	1,154,867	133.68
	6/30/2014	4,595,805	6,177,505	1,581,700	74.40	1,129,109	140.08
<b>JRS</b>	<b>6/30/2023</b>	<b>132,394</b>	<b>73,135</b>	<b>(59,258)</b>	<b>181.03</b>	<b>8,561</b>	<b>(692.19)</b>
	6/30/2022	126,815	72,923	(53,892)	173.90	8,408	(640.96)
	6/30/2021	120,865	68,460	(52,404)	176.55	8,282	(632.75)
	6/30/2020	110,639	67,934	(42,705)	162.86	8,001	(533.75)
	6/30/2019	104,918	65,075	(39,843)	161.23	7,382	(539.73)
	6/30/2018	101,192	62,741	(38,451)	161.29	7,291	(527.38)
	6/30/2017	97,066	58,104	(38,962)	167.06	6,974	(558.68)
	6/30/2016	91,152	54,754	(36,398)	166.48	6,920	(525.99)
	6/30/2015	84,934	51,901	(33,033)	163.65	6,525	(506.26)
	6/30/2014	78,463	50,600	(27,863)	155.07	6,355	(438.47)
<b>HPORS</b>	<b>6/30/2023</b>	<b>188,716</b>	<b>283,435</b>	<b>94,719</b>	<b>66.58</b>	<b>18,005</b>	<b>526.07</b>
	6/30/2022	179,361	273,241	93,880	65.64	17,275	543.44
	6/30/2021	168,056	252,082	84,025	66.67	16,631	505.24
	6/30/2020	158,658	245,915	87,257	64.52	15,608	559.05
	6/30/2019	152,851	236,805	83,954	64.55	15,178	553.13
	6/30/2018	147,144	229,822	82,678	64.03	15,251	542.12
	6/30/2017	141,236	219,470	78,234	64.35	14,779	529.36
	6/30/2016	133,869	203,326	69,457	65.84	15,276	454.68
	6/30/2015	125,676	192,983	67,307	65.12	14,549	462.62
	6/30/2014	117,226	183,400	66,174	63.92	14,149	467.69
<b>SRS</b>	<b>6/30/2023</b>	<b>499,906</b>	<b>641,662</b>	<b>141,756</b>	<b>77.91</b>	<b>102,450</b>	<b>138.37</b>
	6/30/2022	469,549	597,118	127,570	78.64	96,370	132.38
	6/30/2021	438,036	525,239	87,203	83.40	90,869	95.97
	6/30/2020	400,720	493,242	92,522	81.24	84,943	108.92
	6/30/2019	377,387	462,698	85,311	81.56	80,461	106.03
	6/30/2018	353,904	436,715	82,811	81.04	77,587	106.73
	6/30/2017	332,169	411,387	79,218	80.74	74,581	106.22
	6/30/2016	310,510	373,146	62,636	83.21	70,593	88.73
	6/30/2015	288,269	348,912	60,643	82.62	68,046	89.12
	6/30/2014	264,945	326,077	61,132	81.25	64,673	94.53

Expressing Actuarial Value of Assets as a percentage of the Actuarial Accrued Liability provides one indication of the plan's funding status on a going-concern basis. Analysis of this percentage over time indicates whether the plan is becoming financially stronger or weaker. Generally, the greater the funded ratio, the stronger the plan.

<sup>1</sup> Refer to the "Notes to the Required Supplementary Information" for the Actuarial Asset Valuation Method (Page 128).

## ACTUARIAL SECTION

System	Actuarial Valuation Date	Actuarial Value of Assets <sup>1</sup> (a)	Actuarial Accrued Liability (AAL) -Entry Age (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio % (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
<b>GWPORS</b>	<b>6/30/2023</b>	<b>\$ 284,543</b>	<b>\$ 348,304</b>	<b>\$ 63,762</b>	<b>81.69%</b>	<b>\$ 58,393</b>	<b>109.19%</b>
	6/30/2022	266,067	320,475	54,408	83.02	54,287	100.22
	6/30/2021	247,392	290,856	43,464	85.06	60,023	72.41
	6/30/2020	221,949	264,745	42,796	83.83	53,825	79.51
	6/30/2019	206,504	245,130	38,626	84.24	51,677	74.75
	6/30/2018	190,849	230,077	39,228	82.95	50,823	77.19
	6/30/2017	176,311	217,642	41,331	81.01	49,381	83.70
	6/30/2016	160,555	191,007	30,452	84.06	47,108	64.64
	6/30/2015	145,314	172,160	26,846	84.41	44,885	59.81
	6/30/2014	129,429	154,595	25,166	83.72	41,637	60.44
<b>MPORS</b>	<b>6/30/2023</b>	<b>594,019</b>	<b>817,699</b>	<b>223,680</b>	<b>72.65</b>	<b>66,806</b>	<b>334.82</b>
	6/30/2022	555,005	778,865	223,860	71.26	61,329	365.01
	6/30/2021	516,144	694,611	178,467	74.31	59,217	301.38
	6/30/2020	471,328	666,099	194,770	70.76	56,784	343.00
	6/30/2019	441,565	637,866	196,300	69.23	54,282	361.63
	6/30/2018	413,608	611,056	197,448	67.69	52,036	379.44
	6/30/2017	386,259	562,570	176,311	68.66	48,604	362.75
	6/30/2016	356,985	518,946	161,961	68.79	47,234	342.90
	6/30/2015	328,025	497,186	169,161	65.98	45,736	369.87
	6/30/2014	298,722	474,308	175,586	62.98	44,427	395.23
<b>FURS</b>	<b>6/30/2023</b>	<b>652,590</b>	<b>794,682</b>	<b>142,092</b>	<b>82.12</b>	<b>65,575</b>	<b>216.69</b>
	6/30/2022	603,174	748,060	144,887	80.63	59,394	243.94
	6/30/2021	555,517	646,173	90,656	85.97	56,282	161.07
	6/30/2020	499,180	612,294	113,114	81.53	53,859	210.02
	6/30/2019	463,085	579,103	116,018	79.97	50,756	228.58
	6/30/2018	429,095	548,241	119,146	78.27	47,935	248.56
	6/30/2017	397,633	522,288	124,655	76.13	45,208	275.74
	6/30/2016	365,259	466,671	101,412	78.27	43,119	235.19
	6/30/2015	333,629	441,834	108,205	75.51	41,627	259.94
	6/30/2014	300,949	419,013	118,064	71.82	39,892	295.96
<b>VFCA</b>	<b>6/30/2023</b>	<b>51,536</b>	<b>52,490</b>	<b>955</b>	<b>98.18</b>	<b>N/A</b>	<b>N/A</b>
	6/30/2022	48,078	52,604	4,527	91.40	N/A	N/A
	6/30/2021	45,131	45,138	7	99.98	N/A	N/A
	6/30/2020	41,717	47,868	6,152	87.15	N/A	N/A
	6/30/2019	40,009	47,200	7,191	84.76	N/A	N/A
	6/30/2018	38,321	46,306	7,984	82.76	N/A	N/A
	6/30/2017	36,955	45,871	8,917	80.56	N/A	N/A
	6/30/2016	35,302	44,010	8,708	80.21	N/A	N/A
	6/30/2015	33,405	44,318	10,913	75.38	N/A	N/A
	6/30/2014	31,281	37,975	6,694	82.37	N/A	N/A

Covered payroll is not applicable to VFCA because members are unpaid volunteers.

## ACTUARIAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Summary of Actuarial (Gain)/Loss by Source

(in thousands, except VFCA & PERS-DCRP Disability)

	PERS DBRP	JRS	HPORS	SRS
Investment (Gain) or Loss	\$ (16,329.8)	\$ (238.5)	\$ (314.4)	\$ (957.5)
Liability (Gain) or Loss				
Salary (Gain) or Loss	97,023.9	(690.2)	468.1	8,356.1
Retirement (Gain) or Loss	8,527.4	(525.7)	492.6	3,621.3
Disability (Gain) or Loss	442.6	1.0	519.1	(436.7)
Death In-Service (Gain) or Loss	(38.6)	(16.0)	(33.6)	(46.9)
Withdrawal (Gain) or Loss	2,971.1		(90.9)	1,151.6
Death after Retirement (Gain) or Loss	(9,426.9)	(371.8)	578.9	(1,586.2)
New Participant / Data Adjustment (Gain) or Loss	32,055.6	(966.7)	267.5	5,611.7
Other (Gain) or Loss	(1,240.9)	0.1	(664.1)	
Total Actuarial (Gain) or Loss from Financial Experience	\$ 113,984.4	\$ (2,807.8)	\$ 1,223.2	\$ 15,713.4
Composite (Gain) or Loss	\$ 113,984.4	\$ (2,807.8)	\$ 1,223.2	\$ 15,713.4
	GWPORS	MPORS	FURS	VFCA
Investment (Gain) or Loss	\$ (283.3)	\$ 190.6	\$ 355.7	\$ 83,000
Liability (Gain) or Loss				
Salary (Gain) or Loss	7,044.6	10,833.3	12,420.0	
Retirement (Gain) or Loss	835.3	1,887.5	(701.6)	(354,546)
Disability (Gain) or Loss	(220.5)	645.5	335.8	
Death In-Service (Gain) or Loss	(11.2)	(221.3)	(209.8)	13,552
Withdrawal (Gain) or Loss	(856.7)	(316.8)	(5.2)	3,480,012
Death after Retirement (Gain) or Loss	352.1	(3,832.4)	(5,837.9)	21,790
New Participant / Data Adjustment (Gain) or Loss	1,118.1	(1,747.6)	(51.9)	(4,622,916)
Other (Gain) or Loss	(18.1)	(4,139.9)	0.1	
Total Actuarial (Gain) or Loss from Financial Experience	\$ 7,960.3	\$ 3,298.9	\$ 6,305.2	\$ (1,379,108)
Composite (Gain) or Loss	\$ 7,960.3	\$ 3,298.9	\$ 6,305.2	\$ (1,379,108)

The last actuarial valuation was performed as of June 30, 2023.

**Public Employees’ Retirement Board**

*A Component Unit of the State of Montana*

**Summary of Actuarial (Gain)/Loss by Source**

(in thousands, except VFCA & PERS-DCRP Disability)

	<u>PERS-DCRP Disability OPEB</u>
Investment (Gain) or Loss	\$ (319,939)
Liability (Gain) or Losses:	
Salary (Gain) or Loss	57,773
Retirement (Gain) or Loss	(3,924)
Disability (Gain) or Loss	(115,716)
Death In-Service (Gain) or Loss	862
Withdrawal (Gain) or Loss	(17,860)
Death after Retirement (Gain) or Loss	(141,951)
New Participant / Data Adjustment (Gain) or Loss	4,504
Other (Gain) or Loss	_____
Total Actuarial (Gain) or Loss	\$ (536,251)
Composite (Gain) or Loss	<u>\$ (536,251)</u>

The last actuarial valuation was performed as of June 30, 2023.

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## Summary of Statistical Data

The Statistical Section contains detailed information regarding financial viability and pension benefit offerings. The information is provided for the last ten fiscal years ending June 30, 2023.

### Financial Trends

The following schedules contain trend information to help the reader understand how the plans' financial performance and well-being have changed over time.

- *Schedule of Changes in Fiduciary Net Position, Last Ten Fiscal Years*
- *History of Actuarial Liabilities*: The existence of unfunded actuarial liabilities in this schedule is not necessarily an indication of financial problems but the trends are important and must be monitored and controlled.

### Revenue Capacity

The following schedules contain information to help the reader assess the plans' revenue sources, fair values by investment type, and contribution rate history since inception.

- *Schedule of Fair Market Values by Type of Investment*
- *Schedule of Contribution Rate History*

The *History of Membership in the Retirement Plans* provides the membership in the defined benefit plans for a 10-year period.

### Debt Capacity

The following schedules present information to help the reader assess the plans' current levels of outstanding debt and the plans' ability to issue additional debt in the future. Debt capacity is represented with benefit expenses and distributions and is followed by schedules of retired members, based on the type of benefit received.

- *Schedule of Benefit Expenses and Refunds by Type*
- *Schedule of Distributions Processed (Defined Contribution Plan)*

### Operating Information

These schedules contain pension plan data to help the reader understand how the information in the financial report relates to the pension plans the PERB administers.

- *Retired Members by Type of Benefit*
- *Average Benefit Payments, Last 10 Fiscal Years*
- *Principal Participating Employers*
- *Schedule of Participating Employers* for all plans

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Changes in Fiduciary Net Position, Last Ten Fiscal Years

(In thousands)

Fiscal Year	2023	2022	2021	2020	2019
<b>PERS-DBRP</b>					
Additions					
Employer Contributions <sup>1</sup>	\$ 132,341	\$ 121,068	\$ 121,683	\$ 112,500	\$ 107,751
Member Contributions <sup>2</sup>	119,169	110,598	111,247	105,009	101,713
State Contributions	1,196	1,127	1,098	1,058	1,027
Investment Income <sup>3</sup>	549,340	(295,900)	1,593,113	158,013	320,938
Other <sup>4</sup>	35,128	34,634	34,291	33,951	33,615
<b>Total Additions to Net Position</b>	<b>837,174</b>	<b>(28,473)</b>	<b>1,861,432</b>	<b>410,531</b>	<b>565,044</b>
Deductions					
Benefits	541,853	509,232	476,443	449,602	422,445
Refunds	14,700	15,344	12,713	11,923	12,361
Administrative Expenses <sup>5</sup>	6,246	5,709	5,480	5,032	4,648
Other <sup>4</sup>	2,846	2,811	2,814	2,425	2,609
<b>Total Deductions to Net Position</b>	<b>565,645</b>	<b>533,096</b>	<b>497,450</b>	<b>468,982</b>	<b>442,063</b>
<b>Change in Net Position</b>	<b>\$ 271,529</b>	<b>\$ (561,569)</b>	<b>\$ 1,363,982</b>	<b>\$ (58,451)</b>	<b>\$ 122,981</b>
<b>PERS-DCRP DISABILITY OPEB<sup>6</sup></b>					
Additions					
Employer Contributions	\$ 650	\$ 607	\$ 583	\$ 511	\$ 465
Investment Income <sup>3</sup>	864	(1,091)	1,578	206	314
<b>Total Additions to Net Position</b>	<b>1,514</b>	<b>\$ (484)</b>	<b>2,161</b>	<b>717</b>	<b>779</b>
Deductions					
Benefits	91	129	121	101	97
Administrative Expenses					
<b>Total Deductions to Net Position</b>	<b>91</b>	<b>129</b>	<b>121</b>	<b>101</b>	<b>97</b>
<b>Change in Net Position</b>	<b>\$ 1,423</b>	<b>\$ (613)</b>	<b>\$ 2,040</b>	<b>\$ 616</b>	<b>\$ 682</b>
<b>JRS</b>					
Additions					
Employer Contributions		\$ 79	\$ 2,139	\$ 1,988	
Member Contributions <sup>2</sup>	648	629	589	560	517
Investment Income <sup>3</sup>	10,331	(5,547)	29,150	2,827	5,687
<b>Total Additions to Net Position</b>	<b>10,979</b>	<b>(4,839)</b>	<b>31,878</b>	<b>5,375</b>	<b>6,204</b>
Deductions					
Benefits	4,427	4,357	4,205	4,038	3,846
Refunds					
Administrative Expenses <sup>5</sup>	53	56	126	157	123
Other <sup>4</sup>					
<b>Total Deductions to Net Position</b>	<b>4,480</b>	<b>4,413</b>	<b>4,331</b>	<b>4,195</b>	<b>3,969</b>
<b>Change in Net Position</b>	<b>\$ 6,499</b>	<b>\$ (9,252)</b>	<b>\$ 27,547</b>	<b>\$ 1,180</b>	<b>\$ 2,235</b>

Contributions were made in accordance with statutory requirements.

Due to rounding to thousands instead of hundreds on this schedule the figures may not tie to the numbers in other schedules.

<sup>1</sup> Includes Membership Fees, Retirement Incentive, and Education Contributions.

<sup>2</sup> Includes Interest Reserve Buybacks.

<sup>3</sup> Includes Common Stock Dividends.

<sup>4</sup> Includes Transfers to the DC, MUS-RP, Refunds to Other Plans, Coal Tax Transfers prior to FY2018, Miscellaneous Revenue, and State Appropriation FY2018 and after.

<sup>5</sup> Includes OPEB Expenses

<sup>6</sup> Effective FY2014, the DCRP-Disability, included in the PERS-DCRP, was changed to PERS-DCRP Disability OPEB and reported as a Defined Benefit Plan.

	2018	2017	2016	2015	2014
\$	107,142	\$ 103,902	\$ 102,810	\$ 100,625	\$ 129,921
	102,075	100,768	97,343	95,424	92,160
	1,024	896	957	919	886
	478,731	591,539	101,213	225,111	732,483
	33,635	27,861	29,843	33,547	
	<u>722,607</u>	<u>824,966</u>	<u>332,166</u>	<u>455,626</u>	<u>955,450</u>
	395,339	366,355	344,104	319,502	296,183
	12,619	12,252	10,379	11,688	10,070
	4,998	5,225	4,261	3,980	3,781
	2,993	1,621	1,501	2,211	1,488
	<u>415,949</u>	<u>385,453</u>	<u>360,245</u>	<u>337,381</u>	<u>311,522</u>
\$	<u>306,658</u>	<u>\$ 439,513</u>	<u>\$ (28,079)</u>	<u>\$ 118,245</u>	<u>\$ 643,928</u>
\$	431	\$ 392	\$ 368	\$ 343	\$ 311
	288	333	11	4	3
	<u>719</u>	<u>725</u>	<u>379</u>	<u>347</u>	<u>314</u>
	52	54	42	34	29
				1	
	<u>52</u>	<u>54</u>	<u>42</u>	<u>35</u>	<u>29</u>
\$	<u>667</u>	<u>\$ 671</u>	<u>\$ 337</u>	<u>\$ 312</u>	<u>\$ 285</u>
\$	1,085	\$ 1,800	\$ 1,807	\$ 1,684	\$ 1,652
	575	488	729	534	481
	8,469	10,370	1,779	3,842	12,425
	<u>10,129</u>	<u>12,658</u>	<u>4,315</u>	<u>6,060</u>	<u>14,558</u>
	3,723	3,554	3,416	3,041	3,023
	149				
	265	255	200	138	100
	<u>4,137</u>	<u>3,809</u>	<u>3,616</u>	<u>3,179</u>	<u>3,123</u>
\$	<u>5,992</u>	<u>\$ 8,849</u>	<u>\$ 699</u>	<u>\$ 2,881</u>	<u>\$ 11,435</u>

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Changes in Fiduciary Net Position, Last Ten Fiscal Years (cont.)

(In thousands)

Fiscal Year	2023	2022	2021	2020	2019
<b>HPORS</b>					
Additions					
Employer Contributions <sup>1</sup>	\$ 6,908	\$ 6,639	\$ 6,423	\$ 6,003	\$ 5,845
Member Contributions <sup>2</sup>	2,377	2,285	2,206	2,169	2,002
State Contributions <sup>3</sup>	206	213	224	226	233
Investment Income <sup>4</sup>	14,637	(7,841)	41,277	4,102	8,269
Other <sup>7</sup>	2,000	4,000			
<b>Total Additions to Net Position</b>	<b>26,128</b>	<b>5,296</b>	<b>50,130</b>	<b>12,500</b>	<b>16,349</b>
Deductions					
Benefits	14,609	13,736	13,710	12,685	12,063
Refunds	748	1,515	2,026	331	582
Administrative Expenses <sup>5</sup>	79	77	342	163	127
Other <sup>6</sup>	44	7		29	
<b>Total Deductions to Net Position</b>	<b>15,480</b>	<b>15,335</b>	<b>16,078</b>	<b>13,208</b>	<b>12,772</b>
<b>Change in Net Position</b>	<b>\$ 10,648</b>	<b>\$ (10,039)</b>	<b>\$ 34,052</b>	<b>\$ (708)</b>	<b>\$ 3,577</b>
<b>SRS</b>					
Additions					
Employer Contributions <sup>1</sup>	13,476	\$ 12,703	\$ 11,897	\$ 11,175	\$ 10,573
Member Contributions <sup>2</sup>	11,187	10,700	9,685	9,115	8,616
Investment Income <sup>4</sup>	38,824	(20,641)	105,980	10,182	20,396
Other <sup>6</sup>	7				
<b>Total Additions to Net Position</b>	<b>63,494</b>	<b>2,762</b>	<b>127,562</b>	<b>30,472</b>	<b>39,585</b>
Deductions					
Benefits	27,344	24,995	24,709	21,481	19,512
Refunds	2,022	2,005	1,506	1,566	1,439
Administrative Expenses <sup>5</sup>	266	239	1,049	295	247
Other <sup>6</sup>	9	39	9	65	45
<b>Total Deductions to Net Position</b>	<b>29,641</b>	<b>27,278</b>	<b>27,273</b>	<b>23,407</b>	<b>21,243</b>
<b>Change in Net Position</b>	<b>\$ 33,853</b>	<b>\$ (24,516)</b>	<b>\$ 100,289</b>	<b>\$ 7,065</b>	<b>\$ 18,342</b>
<b>GWORS</b>					
Additions					
Employer Contributions <sup>1</sup>	\$ 5,273	\$ 4,941	\$ 5,411	\$ 4,869	\$ 4,686
Member Contributions <sup>2</sup>	6,476	6,075	6,393	5,803	5,566
Investment Income <sup>4</sup>	\$ 21,971	(11,720)	59,128	5,583	11,125
Other <sup>6</sup>	6				
<b>Total Additions to Net Position</b>	<b>\$ 33,726</b>	<b>(704)</b>	<b>70,932</b>	<b>16,255</b>	<b>21,377</b>
Deductions					
Benefits	11,833	10,587	9,283	8,247	7,350
Refunds	1,104	1,464	870	1,200	1,001
Administrative Expenses <sup>5</sup>	184	169	234	241	202
Other <sup>6</sup>	5	30	17	5	(1)
<b>Total Deductions to Net Position</b>	<b>13,126</b>	<b>12,250</b>	<b>10,404</b>	<b>9,693</b>	<b>8,552</b>
<b>Change in Net Position</b>	<b>\$ 20,600</b>	<b>\$ (12,954)</b>	<b>\$ 60,528</b>	<b>\$ 6,562</b>	<b>\$ 12,825</b>

Contributions were made in accordance with statutory requirements.

Due to rounding to thousands instead of hundreds on this schedule the figures may not tie to the numbers in other schedules.

<sup>1</sup> Includes Retirement Incentive Program. Miscellaneous Revenue was included in years prior to FY2023.

<sup>2</sup> Includes Interest Reserve Buybacks.

<sup>3</sup> Includes Percent of Salary.

<sup>4</sup> Includes Common Stock Dividends.

<sup>5</sup> Includes OPEB Expenses.

<sup>6</sup> Includes Transfers to Other Systems under *Deductions* and Miscellaneous Revenue beginning in FY2023, under *Additions*.

<sup>7</sup> Additional funding from the Highway Patrol state special revenue account for recruitment and retention of HPORS members.

	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>
\$	5,858	\$ 5,782	\$ 5,916	\$ 5,578	\$ 5,474
	2,387	1,950	1,917	1,624	1,458
	250	263	243	262	262
	12,283	15,101	2,605	5,738	18,684
	<u>20,778</u>	<u>23,096</u>	<u>10,681</u>	<u>13,202</u>	<u>25,878</u>
	11,546	11,037	10,482	9,932	9,344
	322	245	94	69	84
	256	248	199	146	109
					15
	<u>12,124</u>	<u>11,530</u>	<u>10,775</u>	<u>10,147</u>	<u>9,552</u>
\$	<u>8,654</u>	<u>11,566</u>	<u>(94)</u>	<u>3,055</u>	<u>16,326</u>
\$	10,366	\$ 7,562	\$ 7,317	\$ 6,902	\$ 6,690
	8,469	7,189	6,982	6,623	6,447
	29,158	35,516	6,064	13,042	41,802
	<u>47,993</u>	<u>50,267</u>	<u>20,363</u>	<u>26,567</u>	<u>54,939</u>
	18,053	16,700	15,476	14,019	12,732
	1,490	1,383	1,029	1,217	1,185
	432	388	326	250	203
	64	33	75	44	27
	<u>20,039</u>	<u>18,504</u>	<u>16,906</u>	<u>15,530</u>	<u>14,147</u>
\$	<u>27,954</u>	<u>31,763</u>	<u>3,457</u>	<u>11,037</u>	<u>40,792</u>
\$	4,613	\$ 4,464	\$ 4,278	\$ 4,088	\$ 3,762
	5,512	5,278	5,036	4,924	4,462
	15,573	18,592	3,167	6,435	20,075
	<u>25,698</u>	<u>28,334</u>	<u>12,481</u>	<u>15,447</u>	<u>28,299</u>
	6,523	5,810	5,068	4,550	3,979
	1,105	1,036	1,066	802	1,187
	369	329	272	203	161
	31		28		63
	<u>8,028</u>	<u>7,175</u>	<u>6,434</u>	<u>5,555</u>	<u>5,390</u>
\$	<u>17,670</u>	<u>21,159</u>	<u>6,047</u>	<u>9,892</u>	<u>22,909</u>

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Changes in Fiduciary Net Position, Last Ten Fiscal Years (cont.)

(In thousands)

Fiscal Year	2023	2022	2021	2020	2019
<b>MPORS</b>					
Additions					
Employer Contributions <sup>1</sup>	\$ 9,724	\$ 8,916	\$ 8,534	\$ 8,273	\$ 7,853
Member Contributions <sup>2</sup>	6,101	5,580	5,454	5,214	5,038
State Appropriations <sup>3</sup>	19,625	18,122	17,347	16,685	15,990
Investment Income <sup>4</sup>	44,606	(23,865)	121,594	11,658	22,636
<b>Total Additions to Net Position</b>	<b>80,056</b>	<b>8,753</b>	<b>152,929</b>	<b>41,830</b>	<b>51,517</b>
Deductions					
Benefits	33,958	31,825	29,791	27,866	26,221
Refunds	2,748	2,300	5,798	2,328	3,637
Administrative Expenses <sup>5</sup>	173	160	205	241	190
Other <sup>6</sup>	9	32	1	23	14
<b>Total Deductions to Net Position</b>	<b>36,888</b>	<b>34,317</b>	<b>35,795</b>	<b>30,458</b>	<b>30,062</b>
<b>Change in Net Position</b>	<b>\$ 43,168</b>	<b>\$ (25,564)</b>	<b>\$ 117,134</b>	<b>\$ 11,372</b>	<b>\$ 21,455</b>
<b>FURS</b>					
Additions					
Employer Contributions <sup>1</sup>	\$ 9,431	\$ 8,591	\$ 8,052	\$ 7,887	\$ 7,324
Member Contributions <sup>2</sup>	7,055	6,441	6,091	5,938	5,527
State Appropriations <sup>3</sup>	21,407	19,436	18,274	17,808	16,567
Investment Income <sup>4</sup>	48,812	(25,987)	129,638	12,247	23,722
Other <sup>6</sup>	1				
<b>Total Additions to Net Position</b>	<b>86,706</b>	<b>8,481</b>	<b>162,055</b>	<b>43,880</b>	<b>53,140</b>
Deductions					
Benefits	32,131	30,346	28,530	26,839	25,626
Refunds	224	66	93	62	90
Administrative Expenses <sup>5</sup>	143	131	181	224	171
Other <sup>6</sup>		8			
<b>Total Deductions to Net Position</b>	<b>32,498</b>	<b>30,551</b>	<b>28,804</b>	<b>27,125</b>	<b>25,887</b>
<b>Change in Net Position</b>	<b>\$ 54,208</b>	<b>\$ (22,070)</b>	<b>\$ 133,251</b>	<b>\$ 16,755</b>	<b>\$ 27,253</b>
<b>VFCA</b>					
Additions					
State Appropriations <sup>3</sup>	\$ 3,156	\$ 2,852	\$ 2,592	\$ 2,487	\$ 2,370
Investment Income <sup>4</sup>	3,827	(1,966)	10,628	1,046	2,071
<b>Total Additions to Net Position</b>	<b>6,983</b>	<b>886</b>	<b>13,220</b>	<b>3,533</b>	<b>4,441</b>
Deductions					
Benefits	3,114	3,098	3,116	3,065	2,997
Insurance Payments	12	12	13	12	11
Administrative Expenses <sup>5</sup>	336	332	358	414	297
Other <sup>6</sup>					
<b>Total Deductions to Net Position</b>	<b>3,462</b>	<b>3,442</b>	<b>3,487</b>	<b>3,491</b>	<b>3,305</b>
<b>Change in Net Position</b>	<b>\$ 3,521</b>	<b>\$ (2,556)</b>	<b>\$ 9,733</b>	<b>\$ 42</b>	<b>\$ 1,136</b>

Contributions were made in accordance with statutory requirements.

Due to rounding to thousands instead of hundreds on this schedule the figures may not tie to the numbers in other schedules.

<sup>1</sup> Included Miscellaneous Revenue prior to FY2023, now this is included in Other..

<sup>2</sup> Includes Interest Reserve Buybacks.

<sup>3</sup> Includes Percent of Salary for MPORS and FURS. Prior to FY2023, State Appropriations were classified as State Contributions.

<sup>4</sup> Includes Common Stock Dividends.

<sup>5</sup> Includes OPEB Expenses.

<sup>6</sup> Includes Transfers to Other Systems under *Deductions* and Miscellaneous Revenue beginning in FY2023, under *Additions*.

	2018	2017	2016	2015	2014
\$	7,758	\$ 7,091	\$ 6,928	\$ 6,630	\$ 6,459
	5,046	4,465	4,384	4,292	4,133
	15,840	13,961	13,751	13,433	13,049
	33,238	39,781	7,113	14,471	45,244
	61,882	65,298	32,176	38,826	68,885
	24,567	23,475	21,961	20,560	19,450
	2,675	1,043	1,240	2,179	1,018
	350	340	276	214	166
	53		129	5	60
	27,645	24,858	23,606	22,958	20,694
\$	34,237	\$ 40,440	\$ 8,570	\$ 15,868	\$ 48,191
\$	7,053	\$ 6,501	\$ 6,163	\$ 6,100	\$ 5,767
	5,315	4,925	4,752	4,710	4,698
	16,127	14,438	13,970	13,573	13,007
	34,285	40,844	7,312	14,640	45,478
	62,780	66,708	32,197	39,023	68,950
	23,863	22,336	20,896	19,745	18,872
	173	168	46	2	166
	329	321	262	192	153
					14
	24,365	22,825	21,204	19,939	19,205
\$	38,415	\$ 43,883	\$ 10,993	\$ 19,084	\$ 49,745
\$	2,212	\$ 2,065	\$ 2,036	\$ 1,914	\$ 1,818
	3,127	3,837	622	1,480	4,817
	5,339	5,902	2,658	3,394	6,635
	2,944	2,858	2,623	2,369	2,281
	11	6	12	11	14
	293	290	244	182	135
	3,248	3,154	2,879	2,562	2,430
\$	2,091	\$ 2,748	\$ (221)	\$ 832	\$ 4,205

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Changes in Fiduciary Net Position, Last Ten Fiscal Years (cont.)

(In thousands)

Fiscal Year	2023	2022	2021	2020	2019
<b>PERS-DCRP</b>					
Additions					
Employer Contributions <sup>1</sup>	\$ 18,960	\$ 17,638	\$ 16,750	\$ 14,511	\$ 13,061
Member Contributions	18,323	18,222	17,099	14,208	13,505
State Contributions	121				
Investment Income <sup>3</sup>	46,628	(65,841)	94,984	15,374	17,962
Other <sup>4</sup>	1,410	1,685	1,148	852	837
<i>Total Additions to Net Position</i>	<b>85,442</b>	<b>(28,296)</b>	<b>129,981</b>	<b>44,945</b>	<b>45,365</b>
Deductions					
Refunds/Distributions	22,208	19,635	13,293	9,859	9,022
Administrative Expenses <sup>5</sup>	964	1,006	920	679	634
Other <sup>6</sup>	(14)	(21)	109	330	284
<i>Total Deductions to Net Position</i>	<b>23,158</b>	<b>20,620</b>	<b>14,322</b>	<b>10,868</b>	<b>9,940</b>
<i>Change in Net Position</i>	<b>\$ 62,284</b>	<b>\$ (48,916)</b>	<b>\$ 115,659</b>	<b>\$ 34,077</b>	<b>\$ 35,425</b>
<b>DEFERRED COMPENSATION (457(b)) Plan</b>					
Additions					
Employer Contributions	\$ 189	\$ 176	\$ 138	\$ 101	\$ 120
Member Contributions	25,631	28,785	28,851	32,414	23,567
Investment Income <sup>2</sup>	53,757	(84,476)	108,966	32,425	36,659
Other <sup>4</sup>	446	460	702	604	567
<i>Total Additions to Net Position</i>	<b>80,023</b>	<b>(55,055)</b>	<b>138,657</b>	<b>65,544</b>	<b>60,913</b>
Deductions					
Refunds/Distributions	44,752	41,539	33,531	35,590	28,926
Administrative Expenses <sup>5</sup>	320	397	427	458	427
Other <sup>6</sup>	1,016	1,017	1,396	874	875
<i>Total Deductions to Net Position</i>	<b>46,088</b>	<b>42,953</b>	<b>35,354</b>	<b>36,922</b>	<b>30,228</b>
<i>Change in Net Position</i>	<b>\$ 33,935</b>	<b>\$ (98,008)</b>	<b>\$ 103,303</b>	<b>\$ 28,622</b>	<b>\$ 30,685</b>

Due to rounding to thousands instead of hundreds on this schedule the figures may not tie to the numbers in other schedules.

<sup>1</sup> Includes Education contributions and State contributions prior to FY2023.

<sup>2</sup> Prior to FY2023 State Contributions were included in Employer contributions.

<sup>3</sup> Fees paid to Transamerica, PIMCO, Voya, Prudential and State Street are included in the net investment sum.

<sup>4</sup> Includes Miscellaneous Revenues and Forfeitures remitted to MPERA to pay administrative costs.

<sup>5</sup> Includes OPEB Expenses.

<sup>6</sup> Fees paid to Empower for services provided.

	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>
\$	11,899	\$ 10,752	\$ 6,494	\$ 4,887	\$ 4,410
	12,447	11,828	9,970	9,369	8,534
	19,602	22,368	1,428	6,316	18,367
	909	465	1,035	422	292
	<u>44,857</u>	<u>45,413</u>	<u>18,927</u>	<u>20,994</u>	<u>31,603</u>
	9,746	7,038	5,299	6,103	4,738
	754	836	671	586	558
	267	225	164	198	174
	<u>10,767</u>	<u>8,099</u>	<u>6,134</u>	<u>6,887</u>	<u>5,470</u>
\$	<u>34,090</u>	<u>37,314</u>	<u>12,793</u>	<u>14,107</u>	<u>26,133</u>

\$	93	\$ 77	\$ 63	\$ 103	\$ 81
	22,850	23,770	21,916	20,379	24,255
	29,293	35,889	7,308	11,243	35,165
	600	587	195	263	191
	<u>52,836</u>	<u>60,323</u>	<u>29,482</u>	<u>31,988</u>	<u>59,692</u>
	29,303	27,329	20,193	24,219	24,250
	565	621	521	451	406
	898	846	427	457	458
	<u>30,766</u>	<u>28,796</u>	<u>21,141</u>	<u>25,127</u>	<u>25,114</u>
\$	<u>22,070</u>	<u>31,527</u>	<u>8,341</u>	<u>6,861</u>	<u>34,578</u>

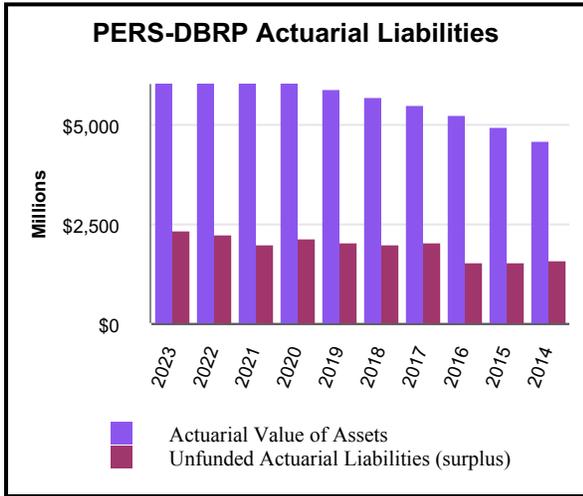
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**Public Employees' Retirement Board**

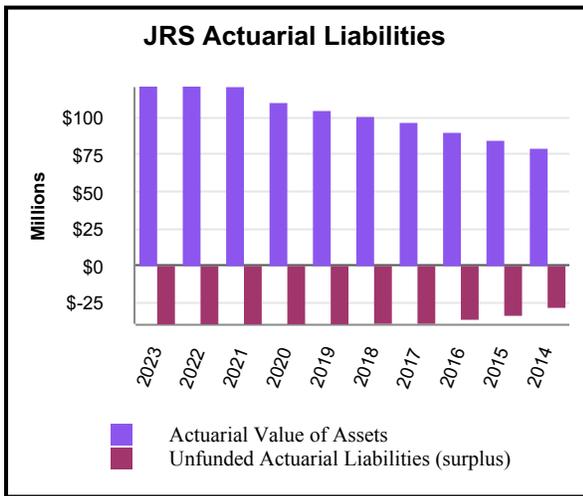
*A Component Unit of the State of Montana*

**History of Actuarial Liabilities**

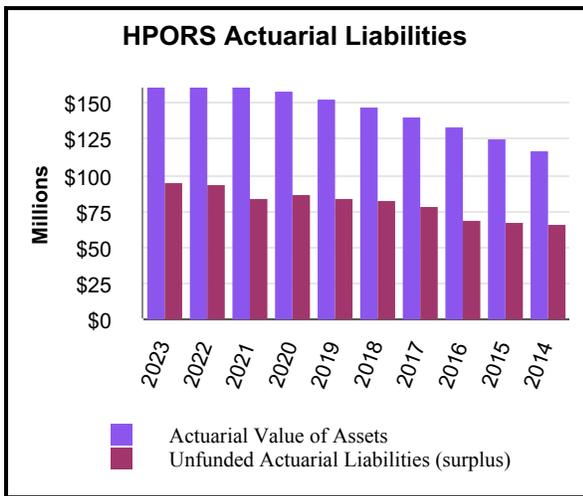
(in millions)



Fiscal Year	Actuarial Value of Assets	Unfunded Actuarial Liabilities (surplus)
2023	\$6,999	\$2,362
2022	6,771	2,256
2021	6,515	2,020
2020	6,099	2,135
2019	5,903	2,054
2018	5,705	2,025
2017	5,514	2,064
2016	5,248	1,540
2015	4,927	1,544
2014	4,596	1,582



Fiscal Year	Actuarial Value of Assets	Unfunded Actuarial Liabilities (surplus)
2023	\$132	\$(59)
2022	127	(54)
2021	121	(52)
2020	111	(43)
2019	105	(40)
2018	101	(38)
2017	97	(39)
2016	91	(36)
2015	85	(33)
2014	79	(28)



Fiscal Year	Actuarial Value of Assets	Unfunded Actuarial Liabilities (surplus)
2023	\$189	\$95
2022	179	94
2021	168	84
2020	159	87
2019	153	84
2018	147	83
2017	141	78
2016	134	69
2015	126	67
2014	117	66

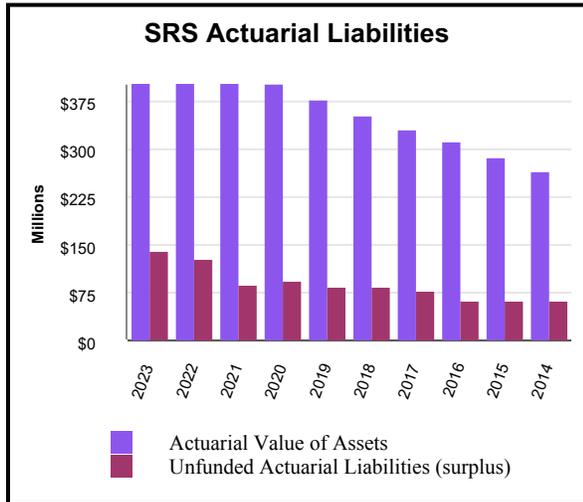
# STATISTICAL SECTION

## Public Employees' Retirement Board

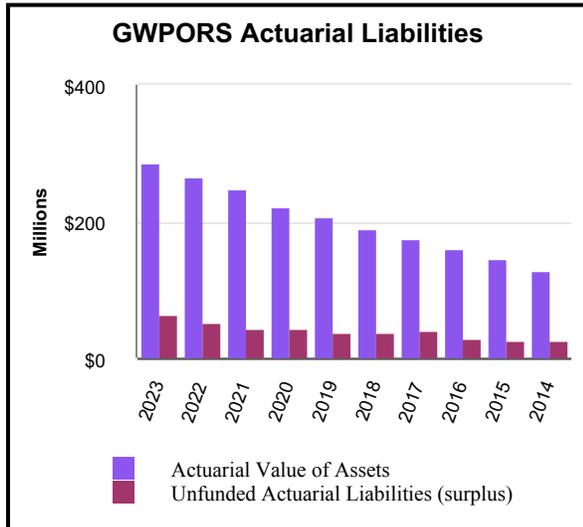
A Component Unit of the State of Montana

### History of Actuarial Liabilities (cont.)

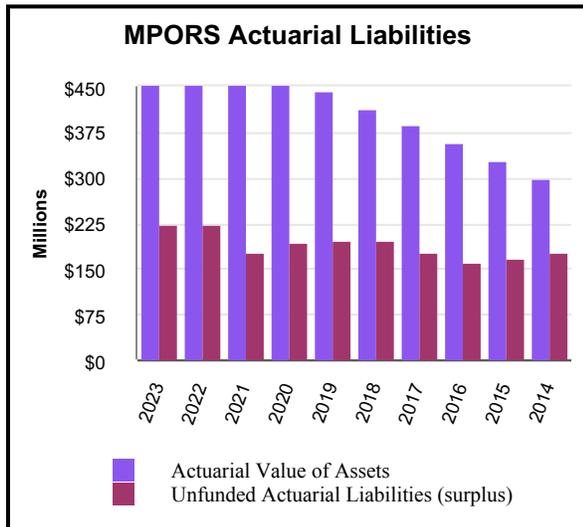
(in millions)



Fiscal Year	Actuarial Value of Assets	Unfunded Actuarial Liabilities (surplus)
2023	\$500	\$142
2022	470	128
2021	438	87
2020	401	93
2019	377	85
2018	354	83
2017	332	79
2016	311	63
2015	288	61
2014	265	61



Fiscal Year	Actuarial Value of Assets	Unfunded Actuarial Liabilities (surplus)
2023	\$285	\$64
2022	266	54
2021	247	43
2020	222	43
2019	207	39
2018	191	39
2017	176	41
2016	161	30
2015	145	27
2014	129	25



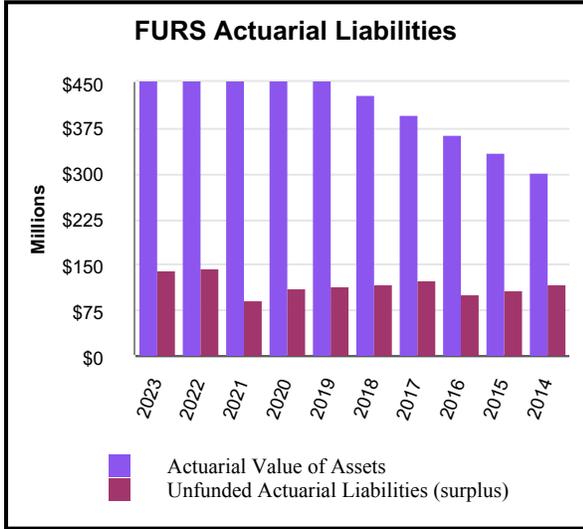
Fiscal Year	Actuarial Value of Assets	Unfunded Actuarial Liabilities (surplus)
2023	\$594	\$224
2022	555	224
2021	516	178
2020	471	195
2019	442	196
2018	414	197
2017	386	176
2016	357	162
2015	328	169
2014	299	176

**Public Employees' Retirement Board**

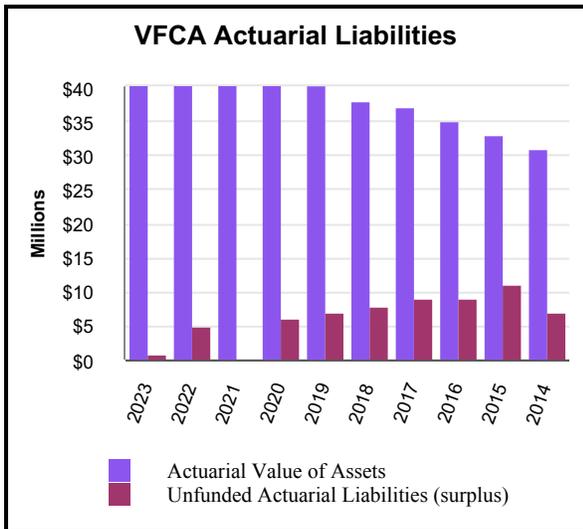
*A Component Unit of the State of Montana*

**History of Actuarial Liabilities (cont.)**

(in millions)



Fiscal Year	Actuarial Value of Assets	Unfunded Actuarial Liabilities (surplus)
2023	\$653	\$142
2022	603	145
2021	556	91
2020	499	113
2019	463	116
2018	429	119
2017	398	125
2016	365	101
2015	334	108
2014	301	118



Fiscal Year	Actuarial Value of Assets	Unfunded Actuarial Liabilities (surplus)
2023	\$52	\$1
2022	48	5
2021	45	0
2020	42	6
2019	40	7
2018	38	8
2017	37	9
2016	35	9
2015	33	11
2014	31	7

For 2021, the UAL was \$7,156, since this schedule is in millions, the amount is showing as zero.

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Schedule of Fair Market Values by Type of Investment, Last Ten Fiscal Years

(in thousands)

System	2023	2022	2021	2020	2019
<b>PERS-DBRP<sup>1</sup></b>					
CAPP Investment Pool <sup>2</sup>	<b>\$ 6,840,473</b>	\$ 6,571,252	\$ 7,122,360	\$ 5,775,148	\$ 5,716,675
<i>Fixed Income:</i>					
Retirement Funds Bond Pool (RFBP)					
Montana Mortgages					
Short Term Investment Pool (STIP)	<b>68,909</b>	67,953	74,119	61,330	174,058
<i>Equities:</i>					
Montana Domestic Equity Pool (MDEP)					
Montana International Equity Pool (MTIP)					
Montana Private Equity Pool (MPEP)					
<i>Alternative Investments:</i>					
Real Estate Investments (REI)					
Montana Real Estate Pool (MTRP)					
Structured Investment Vehicles (SIV)					
<b>Total</b>	<b>\$ 6,909,382</b>	\$ 6,639,205	\$ 7,196,479	\$ 5,836,478	\$ 5,890,733
<b>PERS-DCRP DISABILITY OPEB<sup>3</sup></b>					
<i>Fixed Income:</i>					
Short Term Investment Pool (STIP)	<b>\$ 699</b>	\$ 723	\$ 532	\$ 467	\$ 380
<i>Alternative Investments:</i>					
Structured Investment Vehicles (SIV)					
Pooled Investments at Cost	<b>7,860</b>	6,419	7,246	5,271	4,734
<b>Total</b>	<b>\$ 8,559</b>	\$ 7,142	\$ 7,778	\$ 5,738	\$ 5,114
<b>JRS</b>					
CAPP Investment Pool <sup>2</sup>	<b>\$ 129,328</b>	\$ 122,827	\$ 131,800	\$ 104,563	\$ 101,339
<i>Fixed Income:</i>					
Retirement Funds Bond Pool (RFBP)					
Short Term Investment Pool (STIP)	<b>1,296</b>	1,254	1,389	1,127	3,078
<i>Equities:</i>					
Montana Domestic Equity Pool (MDEP)					
Montana International Equity Pool (MTIP)					
Montana Private Equity Pool (MPEP)					
<i>Alternative Investments:</i>					
Montana Real Estate Pool (MTRP)					
Structured Investment Vehicles (SIV)					
<b>Total</b>	<b>\$ 130,624</b>	\$ 124,081	\$ 133,189	\$ 105,690	\$ 104,417

Due to rounding to thousands instead of hundreds on this schedule the figures may not tie to the numbers in other schedules.

<sup>1</sup> Does not include the Defined Benefit Education Fund.

<sup>2</sup> Effective FY2017, the structure of plan investments was made more efficient by creating and utilizing a Consolidated Asset Pension Pool (CAPP) for all Defined Benefit Plans.

<sup>3</sup> Effective FY2014, the DCRP-Disability, included in the PERS-DCRP, was changed to PERS-DCRP Disability OPEB and reported as a separate Defined Benefit Plan.

2018	2017	2016	2015	2014
\$ 5,652,706	5,326,238			
		\$ 1,184,758	\$ 1,127,097	\$ 1,069,517
111,655	130,510	142,167	89,180	103,602
		1,893,160	2,004,038	1,933,145
		774,561	837,968	877,318
		559,719	539,912	517,873
		463,582	445,360	426,528
			766	1,179
<u>\$ 5,764,361</u>	<u>\$ 5,456,748</u>	<u>\$ 5,017,947</u>	<u>\$ 5,044,321</u>	<u>\$ 4,929,162</u>
\$ 309	\$ 287	\$ 265	\$ 2,738	\$ 2,427
			24	27
4,111	3,462	2,834		
<u>\$ 4,420</u>	<u>\$ 3,749</u>	<u>\$ 3,099</u>	<u>\$ 2,762</u>	<u>\$ 2,454</u>
\$ 100,269				
		\$ 20,613	\$ 19,324	\$ 18,164
1,873	2,233	2,502	1,770	1,940
		32,938	34,351	32,822
		13,477	14,358	14,901
		9,738	9,255	8,796
		8,066	7,640	7,251
			15	22
<u>\$ 102,142</u>	<u>\$ 96,172</u>	<u>\$ 87,334</u>	<u>\$ 86,713</u>	<u>\$ 83,896</u>

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Schedule of Fair Market Values by Type of Investment, Last Ten Fiscal Years (cont.)

(in thousands)

System	2023	2022	2021	2020	2019
<b>HPORS</b>					
CAPP Investment Pool <sup>1</sup>	\$ 184,116	\$ 173,259	\$ 183,390	\$ 149,444	\$ 147,047
<i>Fixed Income:</i>					
Retirement Funds Bond Pool (RFBP)					
Short Term Investment Pool (STIP)	1,844	1,771	2,029	1,822	4,437
<i>Equities:</i>					
Montana Domestic Equity Pool (MDEP)					
Montana International Equity Pool (MTIP)					
Montana Private Equity Pool (MPEP)					
<i>Alternative Investments:</i>					
Montana Real Estate Pool (MTRP)					
Structured Investment Vehicles (SIV)					
<b>Total</b>	<b>\$ 185,960</b>	<b>\$ 175,030</b>	<b>\$ 185,419</b>	<b>\$ 151,266</b>	<b>\$ 151,484</b>
<b>SRS</b>					
CAPP Investment Pool <sup>1</sup>	\$ 488,678	\$ 454,661	\$ 479,632	\$ 379,310	\$ 364,915
<i>Fixed Income:</i>					
Retirement Funds Bond Pool (RFBP)					
Short Term Investment Pool (STIP)	5,237	4,842	5,092	4,152	11,293
<i>Equities:</i>					
Montana Domestic Equity Pool (MDEP)					
Montana International Equity Pool (MTIP)					
Montana Private Equity Pool (MPEP)					
<i>Alternative Investments:</i>					
Montana Real Estate Pool (MTRP)					
Structured Investment Vehicles (SIV)					
<b>Total</b>	<b>\$ 493,915</b>	<b>\$ 459,503</b>	<b>\$ 484,724</b>	<b>\$ 383,462</b>	<b>\$ 376,208</b>
<b>GWPORS</b>					
CAPP Investment Pool <sup>1</sup>	\$ 277,707	\$ 257,188	\$ 269,698	\$ 210,059	\$ 199,466
<i>Fixed Income:</i>					
Retirement Funds Bond Pool (RFBP)					
Short Term Investment Pool (STIP)	2,771	2,629	3,050	2,513	6,084
<i>Equities:</i>					
Montana Domestic Equity Pool (MDEP)					
Montana International Equity Pool (MTIP)					
Montana Private Equity Pool (MPEP)					
<i>Alternative Investments:</i>					
Montana Real Estate Pool (MTRP)					
Structured Investment Vehicles (SIV)					
<b>Total</b>	<b>\$ 280,478</b>	<b>\$ 259,817</b>	<b>\$ 272,748</b>	<b>\$ 212,572</b>	<b>\$ 205,550</b>

Due to rounding to thousands instead of hundreds on this schedule the figures may not tie to the numbers in other schedules.

<sup>1</sup> Effective FY2017, the structure of plan investments was made more efficient by creating and utilizing a Consolidated Asset Pension Plan (CAPP) for all Defined Benefit Plans.

<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>
\$ 145,457	\$ 136,350			
		\$ 30,235	\$ 28,714	\$ 27,240
2,575	3,025	3,972	2,012	2,585
		48,312	51,060	49,217
		19,766	21,346	22,336
		14,284	13,757	13,184
		11,830	11,349	10,862
			17	29
\$ 148,032	\$ 139,375	\$ 128,399	\$ 128,255	\$ 125,453
\$ 350,935	\$ 321,984			
		\$ 70,501	\$ 65,674	\$ 61,417
6,769	8,276	8,097	6,236	6,984
		112,653	116,812	110,982
		46,091	48,818	50,346
		33,307	31,447	29,720
		27,586	25,966	24,475
			54	77
\$ 357,704	\$ 330,260	\$ 298,235	\$ 295,007	\$ 284,001
\$ 189,125	\$ 171,204			
		\$ 36,325	\$ 32,954	\$ 29,848
3,508	3,940	4,716	3,132	3,546
		58,041	58,608	53,925
		23,748	24,481	24,482
		17,161	15,792	14,481
		14,213	13,014	11,906
			27	39
\$ 192,633	\$ 175,144	\$ 154,204	\$ 148,008	\$ 138,227

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Schedule of Fair Market Values by Type of Investment, Last Ten Fiscal Years (cont.)

(in thousands)

System	2023	2022	2021	2020	2019
<b>MPORS</b>					
CAPP Investment Pool <sup>1</sup>	\$ 559,869	\$ 518,846	\$ 544,954	\$ 429,318	\$ 410,397
<i>Fixed Income:</i>					
Retirement Funds Bond Pool (RFBP)					
Short Term Investment Pool (STIP)	5,839	5,483	5,492	4,267	12,369
<i>Equities:</i>					
Montana Domestic Equity Pool (MDEP)					
Montana International Equity Pool (MTIP)					
Montana Private Equity Pool (MPEP)					
<i>Alternative Investments:</i>					
Montana Real Estate Pool (MTRP)					
Structured Investment Vehicles (SIV)					
<b>Total</b>	<b>\$ 565,708</b>	<b>\$ 524,329</b>	<b>\$ 550,446</b>	<b>\$ 433,585</b>	<b>\$ 422,766</b>
<b>FURS</b>					
CAPP Investment Pool <sup>1</sup>	\$ 615,180	\$ 563,501	\$ 586,301	\$ 454,769	\$ 430,646
<i>Fixed Income:</i>					
Retirement Funds Bond Pool (RFBP)					
Short Term Investment Pool (STIP)	6,371	5,957	5,994	4,567	13,081
<i>Equities:</i>					
Montana Domestic Equity Pool (MDEP)					
Montana International Equity Pool (MTIP)					
Montana Private Equity Pool (MPEP)					
<i>Alternative Investments:</i>					
Montana Real Estate Pool (MTRP)					
Structured Investment Vehicles (SIV)					
<b>Total</b>	<b>\$ 621,551</b>	<b>\$ 569,458</b>	<b>\$ 592,295</b>	<b>\$ 459,336</b>	<b>\$ 443,727</b>
<b>VFCA</b>					
CAPP Investment Pool <sup>1</sup>	\$ 47,060	\$ 44,106	\$ 46,570	\$ 39,098	\$ 38,342
<i>Fixed Income:</i>					
Retirement Funds Bond Pool (RFBP)					
Short Term Investment Pool (STIP)	493	3,050	3,091	807	1,326
<i>Equities:</i>					
Montana Domestic Equity Pool (MDEP)					
Montana International Equity Pool (MTIP)					
Montana Private Equity Pool (MPEP)					
<i>Alternative Investments:</i>					
Montana Real Estate Pool (MTRP)					
Structured Investment Vehicles (SIV)					
<b>Total</b>	<b>\$ 47,553</b>	<b>\$ 47,156</b>	<b>\$ 49,661</b>	<b>\$ 39,905</b>	<b>\$ 39,668</b>

Due to rounding to thousands instead of hundreds on this schedule the figures may not tie to the numbers in other schedules.

<sup>1</sup> Effective FY2017, the structure of plan investments was made more efficient by creating and utilizing a Consolidated Asset Pension Plan (CAPP) for all Defined Benefit Plans.

2018	2017	2016	2015	2014
\$ 393,802	\$ 360,476			
7,757	9,147	\$ 77,621 9,642	\$ 71,807 5,189	\$ 66,377 6,007
		124,032	127,640	119,961
		50,746	53,385	54,440
		36,671	34,373	32,111
		30,372	28,401	26,516
			45	67
\$ 401,559	\$ 369,623	\$ 329,084	\$ 320,840	\$ 305,479
\$ 408,718	\$ 371,014			
8,155	9,430	\$ 79,532 9,563	\$ 72,899 5,972	\$ 66,856 6,327
		127,086	129,543	120,837
		51,996	54,178	54,855
		37,573	34,900	32,332
		31,120	28,829	26,667
			51	70
\$ 416,873	\$ 380,444	\$ 336,870	\$ 326,372	\$ 307,944
\$ 35,568	\$ 35,427			
2,813	954	\$ 7,520 2,679	\$ 7,181 2,350	\$ 6,834 2,322
		12,017	12,759	12,354
		4,917	5,339	5,603
		3,553	3,439	3,297
		2,943	2,840	2,726
			20	26
\$ 38,381	\$ 36,381	\$ 33,629	\$ 33,928	\$ 33,162

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Schedule of Fair Market Values by Type of Investment, Last Ten Fiscal Years (cont.)

(in thousands)

System	2023	2022	2021	2020	2019
<b>PERS-DCRP<sup>1</sup></b>					
<i>Fixed Income:</i>					
Short Term Investment Pool (STIP) <sup>2,3</sup>	\$ 3,608	\$ 3,015	\$ 2,271	\$ 1,864	\$ 1,526
<i>Alternative Investments:</i>					
Defined Contributions Fixed Annuity	25,084	25,007	24,223	20,410	16,945
Defined Contributions Variable Annuity	395,748	334,479	385,056	274,238	244,027
Structured Investment Vehicles (SIV)					
<b>Total</b>	<b>\$ 424,440</b>	<b>\$ 362,501</b>	<b>\$ 411,550</b>	<b>\$ 296,512</b>	<b>\$ 262,498</b>
<b>DEFERRED COMPENSATION (457(b)) Plan</b>					
<i>Fixed Income:</i>					
Short Term Investment Pool (STIP) <sup>2</sup>	\$ 1,059	\$ 859	\$ 713	\$ 403	\$ 208
<i>Alternative Investments:</i>					
Deferred Comp Fixed Annuity	197,940	216,752	248,102	251,032	234,140
Deferred Comp Variable Annuity	401,027	348,451	414,758	309,662	298,053
Deferred Comp Life Insurance	4	4	7	12	12
Structured Investment Vehicles (SIV)					
<b>Total</b>	<b>\$ 600,030</b>	<b>\$ 566,066</b>	<b>\$ 663,580</b>	<b>\$ 561,109</b>	<b>\$ 532,413</b>

Due to rounding to thousands instead of hundreds on this schedule the figures may not tie to the numbers in other schedules.

<sup>1</sup> Effective FY2014, the DCRP-Disability, included in the PERS-DCRP, was changed to PERS-DCRP Disability OPEB and reported as a separate Defined Benefit Plan.

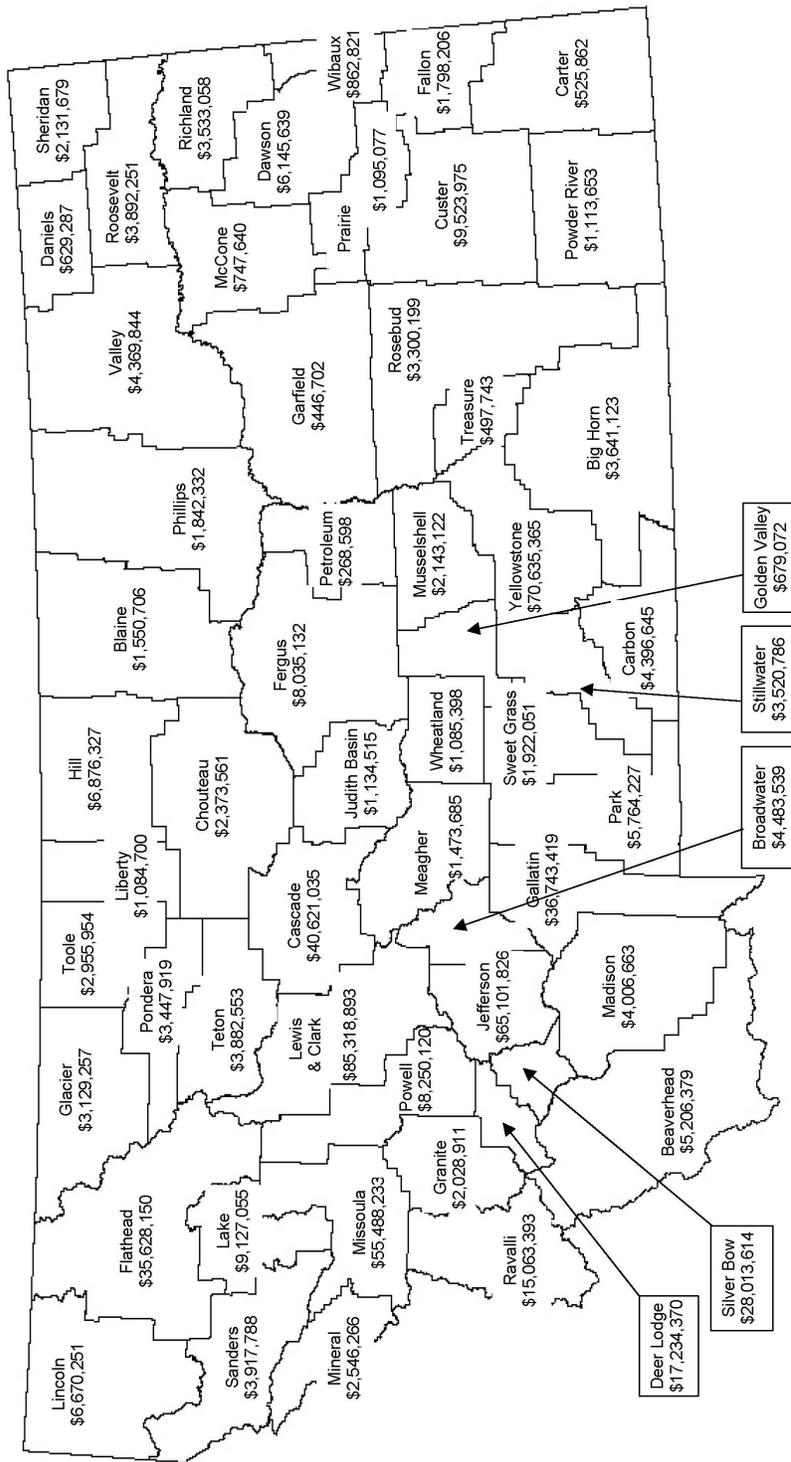
<sup>2</sup> Effective FY2014, STIP was included as an investment option for the DCRP and Deferred Compensation plans.

<sup>3</sup> Does not include the Defined Contribution Education Fund.

	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>
\$	1,192	\$ 1,054	\$ 697	\$ 1,064	\$ 1,206
	14,996	14,155	12,750	10,197	10,015
	210,638	177,998	141,300	131,649	117,713
				9	13
<b>\$</b>	<b>226,826</b>	<b>\$ 193,207</b>	<b>\$ 154,747</b>	<b>\$ 142,919</b>	<b>\$ 128,947</b>

\$	2	\$ 29	\$ 189	\$ 659	\$ 944
	226,331	238,058	238,995	232,527	235,981
	275,265	241,505	209,135	206,925	196,453
	12	12	12	12	12
				6	11
<b>\$</b>	<b>501,610</b>	<b>\$ 479,604</b>	<b>\$ 448,331</b>	<b>\$ 440,129</b>	<b>\$ 433,401</b>

Montana Public Employees Retirement Administration  
Retirement Benefits Paid Out – Fiscal Year 2023



Other States \$70,852,571  
International \$ 593,769

Total Benefits Paid in Montana: \$597,906,569  
Total Recipients in Montana: 28,515

The total benefits on this schedule differ from those on the Defined Benefit Plan Benefits on the Statement of Changes in Fiduciary Net Position on page 42 due to prior year adjustments.

**Public Employees’ Retirement Board**

*A Component Unit of the State of Montana*

**Schedule of Contribution Rate History**

**PERS-DBRP**

Fiscal Year	State & Universities		Local Government		School Districts	
	Member	Employer	Employer	State	Employer	State
	<b>Hired &lt;07/01/11</b>		<b>Hired ≥ 07/01/11</b>			
2023	7.900%	7.900%	9.070%	8.970%	0.100%	8.700%
2022	7.900%	7.900%	8.970%	8.870%	0.100%	8.600%
2021	7.900%	7.900%	8.870%	8.770%	0.100%	8.500%
2020	7.900%	7.900%	8.770%	8.670%	0.100%	8.400%
2019	7.900%	7.900%	8.670%	8.570%	0.100%	8.300%
2018	7.900%	7.900%	8.570%	8.470%	0.100%	8.200%
2017	7.900%	7.900%	8.470%	8.370%	0.100%	8.100%
2016	7.900%	7.900%	8.370%	8.270%	0.100%	8.000%
2015	7.900%	7.900%	8.270%	8.170%	0.100%	7.900%
2014	7.900%	7.900%	8.170%	8.070%	0.100%	7.800%
2012-2013	6.900%	7.900%	7.170%	7.070%	0.100%	6.800%
2010-2011	6.900%		7.170%	7.070%	0.100%	6.800%
2008-2009	6.900%		7.035%	6.935%	0.100%	6.800%
2000-2007	6.900%		6.900%	6.800%	0.100%	6.800%
1998-1999	6.800%		6.800%	6.700%	0.100%	6.700%
1994-1997	6.700%		6.700%	6.700%		6.700%
1993	6.550%		6.550%	6.550%		6.550%
1992	6.417%		6.417%	6.417%		6.417%
1991	6.300%		6.417%	6.417%		6.417%
1990	6.150%		6.417%	6.417%		6.417%
1984-1989	6.000%		6.417%	6.417%		6.417%
1982-1983	6.000%		6.320%	6.320%		6.320%
1979-1981	6.000%		6.200%	6.200%		6.200%
1978	6.000%		5.950%	5.950%		5.950%
1977	6.000%		5.550%	5.550%		5.550%
1976	6.000%		5.200%	5.200%		5.200%
1974-1975	5.750%		4.900%	4.900%		4.900%
1972-1973	5.750%		4.600%	4.600%		4.600%
1970-1971	5.750%		4.300%	4.300%		4.300%
1968-1969	5.750%		3.800%	3.800%		3.800%
1947-1967*	2.5%-9.6%		3.300%	3.300%		3.300%
1945-1947*	2.5%-9.6%		3.000%	3.000%		3.000%

\*1945 - 1967 Member Contributions were based on age and gender.

**JRS**

Fiscal Year	Member	Employer
1998-2023	7.000%	25.810 %
1993-1997	7.000%	6.000 %
1968-1992	6.000%	6.000 %

Prior to 1998 the employer contributed 6% and additional contributions were received based on a portion of the District Court filing fees. In 1998, the filing fees were eliminated and the employer rate was increased to 25.81%.

The employer contributions were temporarily suspended for JRS beginning the first full pay period of January 2018 until after the last full pay period of June 2019, when the employer contributions were reinstated to 25.81%.

The employer contributions were temporarily suspended for JRS beginning the first full pay period occurring in July 2021 through the last full pay period occurring in June 2023.

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Schedule of Contribution Rate History (cont.)

##### HPORS

Fiscal Year	Member		Employer	State
	Non-GABA	GABA		
2017-2023	13.000 %	13.050 %	28.150 %	10.180 %
2016	12.000 %	12.050 %	28.150 %	10.180 %
2015	11.000 %	11.050 %	28.150 %	10.180 %
2014	10.000 %	10.050 %	28.150 %	10.180 %
1998-2013	9.000 %	9.050 %	26.150 %	10.180 %
1992-1997	9.000 %		26.100 %	10.180 %
1991	7.590 %		26.100 %	10.180 %
1986-1990	7.590 %		16.570 %	10.180 %
1982-1985	6.500 %		16.570 %	
1976-1981	6.500 %		16.000 %	
1975	6.500 %		15.000 %	
1971-1974	5.000 %		8.000 %	

##### SRS

Fiscal Year	Member	Employer
2018-2023	10.495 %	13.115 %
2010-2017	9.245 %	10.115 %
2008-2009	9.245 %	9.825 %
1998-2007	9.245 %	9.535 %
1997	7.865 %	8.535 %
1996	7.865 %	8.535 %
1986-1995	7.000 %	7.670 %
1982-1985	7.000 %	7.620 %
1975-1981	7.000 %	7.550 %

##### GWPORS

Fiscal Year	Member	Employer
2003-2023	10.560 %	9.000 %
1998-2002	8.500 %	9.000 %
1996-1997	7.900 %	8.150 %
1986-1995	7.900 %	7.150 %
1982-1985	7.000 %	7.150 %
1964-1981	7.000 %	7.000 %

**Public Employees' Retirement Board**

*A Component Unit of the State of Montana*

**Schedule of Contribution Rate History (cont.)**

**MPORS**

Fiscal Year	Member				Employer	State
	Hired <7/1/75	Hired >6/30/75	Hired >6/30/79	Hired >6/30/97 GABA		
2000-2023	5.800 %	7.000 %	8.500 %	9.000 %	14.410 %	29.370 %
1998-1999	7.800 %	9.000 %	10.500 %	11.000 %	14.410 %	29.370 %
1997	7.800 %	9.000 %	10.500 %		14.360 %	29.370 %
1994-1996	7.800 %	9.000 %	10.500 %		14.360 %	15.660 %
1993	7.800 %	9.000 %	10.500 %		13.920 %	15.660 %
1992	6.000 %	7.200 %	8.700 %		13.920 %	15.660 %
1986-1991	6.000 %	6.000 %	7.500 %		13.020 %	15.060 %
1982-1985	6.000 %	6.000 %	7.500 %		14.040 %	14.040 %
1980-1981	6.000 %	6.000 %	7.500 %		14.000 %	14.000 %
1978-1979	6.000 %	6.000 %			12.000 %	12.000 %
1976-1977	6.000 %	6.000 %			11.000 %	12.000 %
1974-1975	6.000 %				11.000 %	12.000 %

**FURS**

Fiscal Year	Member			
	Non-GABA	GABA	Employer	State
1998-2023	9.500 %	10.700 %	14.360 %	32.610 %
1997	7.800 %		14.360 %	32.610 %
1996	7.800 %		14.360 %	24.210 %
1995	6.000 %		13.020 %	24.210 %
1992-1994	6.000 %		13.020 %	23.270 %
1986-1991	6.000 %		13.020 %	22.980 %
1984-1985	6.000 %		18.000 %	18.000 %
1983	6.000 %		15.000 %	15.000 %
1981-1982	6.000 %		12.000 %	12.000 %

**PERS-DCRP**

Fiscal Year	State & University			Local Government		School Districts	
	Member			Employer	State	Employer	State
	Hired <07/01/11	Hired ≥ 07/01/11	Employer				
2023	7.900 %	7.900 %	9.070 %	8.970 %	0.100 %	8.700 %	0.370 %
2022	7.900 %	7.900 %	8.970 %	8.870 %	0.100 %	8.600 %	0.370 %
2021	7.900 %	7.900 %	8.870 %	8.770 %	0.100 %	8.500 %	0.370 %
2020	7.900 %	7.900 %	8.770 %	8.670 %	0.100 %	8.400 %	0.370 %
2019	7.900 %	7.900 %	8.670 %	8.570 %	0.100 %	8.300 %	0.370 %
2018	7.900 %	7.900 %	8.570 %	8.470 %	0.100 %	8.200 %	0.370 %
2017	7.900 %	7.900 %	8.470 %	8.370 %	0.100 %	8.100 %	0.370 %
2016	7.900 %	7.900 %	8.370 %	8.270 %	0.100 %	8.000 %	0.370 %
2015	7.900 %	7.900 %	8.270 %	8.170 %	0.100 %	7.900 %	0.370 %
2014	7.900 %	7.900 %	8.170 %	8.070 %	0.100 %	7.800 %	0.370 %
2012-2013	6.900 %	7.900 %	7.170 %	7.070 %	0.100 %	6.800 %	0.370 %
2010-2011	6.900 %		7.170 %	7.070 %	0.100 %	6.800 %	0.370 %
2008-2009	6.900 %		7.035 %	6.935 %	0.100 %	6.800 %	0.235 %
2003-2007	6.900 %		6.900 %	6.800 %	0.100 %	6.800 %	0.100 %

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### History of Membership in Retirement Plans, Last Ten Fiscal Years

System	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
<b>PERS-DBRP</b>										
Active	29,622	28,508	29,028	29,039	28,908	28,646	29,395	28,390	28,237	28,229
Retirees/Beneficiaries	25,554	25,128	24,403	23,856	23,245	22,556	21,805	21,333	20,681	20,081
Term-Non-Vested	24,636	23,110	21,760	20,548	19,316	17,973	16,659	10,031	8,839	7,666
Term-Vested	4,982	4,790	4,390	4,070	3,943	3,793	3,677	3,062	2,925	2,825
<b>Total</b>	<b>84,794</b>	81,536	79,581	77,513	75,412	72,968	71,536	62,816	60,682	58,801
The Term-Non-Vested count for fiscal year 2017 forward includes dormant accounts that were previously not counted.										
<b>JRS</b>										
Active	60	59	57	58	58	55	56	55	55	55
Retirees/Beneficiaries	74	74	73	72	73	70	68	68	67	67
Term-Non-Vested	2	2	2	1	1	1	1			
Term-Vested	2	2	2	2	2	3	2	2	2	1
<b>Total</b>	<b>138</b>	137	134	133	134	129	127	125	124	123
<b>HPORS</b>										
Active <sup>1</sup>	235	252	244	233	232	233	238	228	241	229
Retirees/Beneficiaries	370	357	356	350	342	338	331	329	327	322
Term-Non-Vested	47	38	30	31	25	23	17	18	13	14
Term-Vested	21	19	18	17	18	14	16	16	11	11
<b>Total</b>	<b>673</b>	666	648	631	617	608	602	591	592	576
<b>SRS</b>										
Active	1,543	1,481	1,495	1,502	1,454	1,429	1,415	1,364	1,336	1,307
Retirees/Beneficiaries	891	840	805	763	726	681	648	620	577	533
Term-Non-Vested	981	914	805	696	633	539	465	394	342	288
Term-Vested	220	211	178	146	135	129	108	95	81	73
<b>Total</b>	<b>3,635</b>	3,446	3,283	3,107	2,948	2,778	2,636	2,473	2,336	2,201

<sup>1</sup>Includes Drop Accounts

**Public Employees' Retirement Board**

*A Component Unit of the State of Montana*

**History of Membership in Retirement Plans, Last Ten Fiscal Years (cont)**

System	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
<b>GWPORS</b>										
Active	1,017	977	1,023	1,033	1,021	1,010	1,012	989	993	955
Retirees/Beneficiaries	490	445	420	384	346	312	276	250	231	203
Term-Non-Vested	593	589	524	495	447	382	304	278	235	175
Term-Vested	184	170	148	135	138	123	114	105	95	87
<b>Total</b>	<b>2,284</b>	2,181	2,115	2,047	1,952	1,827	1,706	1,622	1,554	1,420
<b>MPORS</b>										
Active <sup>1</sup>	862	841	823	829	806	787	775	762	743	743
Retirees/Beneficiaries	955	933	910	870	850	812	791	768	744	716
Term-Non-Vested	239	212	199	181	164	153	143	112	103	90
Term-Vested	134	123	107	95	94	78	75	61	60	55
<b>Total</b>	<b>2,190</b>	2,109	2,039	1,975	1,914	1,830	1,784	1,703	1,650	1,604
<b>FURS</b>										
Active	826	749	734	735	722	691	678	644	627	616
Retirees/Beneficiaries	710	704	692	678	661	652	630	621	609	595
Term-Non-Vested	106	93	81	72	67	66	54	77	71	66
Term-Vested	49	51	43	39	36	41	39	27	21	19
<b>Total</b>	<b>1,691</b>	1,597	1,550	1,524	1,486	1,450	1,401	1,369	1,328	1,296
<b>VFCA</b>										
Active	2,510	2,233	2,031	2,401	2,249	2,029	1,957	1,895	1,977	1,935
Retirees/Beneficiaries	1,541	1,524	1,532	1,524	1,488	1,474	1,438	1,425	1,371	1,332
Term-Vested	832	836	890	766	777	815	824	878	905	939
<b>Total</b>	<b>4,883</b>	4,593	4,453	4,691	4,514	4,318	4,219	4,198	4,253	4,206

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Schedule of Benefit Expenses and Refunds by Type, Last Ten Fiscal Years

System	2023	2022	2021	2020	2019
<b>PERS-DBRP</b>					
<i>Benefit Expenses<sup>1</sup></i>					
Retirees	\$ 503,275	\$ 472,216	\$ 441,471	\$ 416,464	\$ 389,530
Survivors <sup>2</sup>	36,300	34,280	32,159	30,307	28,854
Disability	1,377	1,605	1,967	1,918	1,966
<i>Refunds</i>					
Death	982	1,255	835	1,053	2,094
Lump Sum	14,700	15,344	12,713	11,923	12,361
<b>Total</b>	<b>\$ 556,634</b>	<b>\$ 524,700</b>	<b>\$ 489,145</b>	<b>\$ 461,665</b>	<b>\$ 434,805</b>
<b>Number of Lump Sum</b>	<b>1,541</b>	<b>2,078</b>	<b>1,523</b>	<b>1,423</b>	<b>1,625</b>
<b>JRS</b>					
<i>Benefit Expenses<sup>1</sup></i>					
Retirees	\$ 3,354	\$ 3,291	\$ 3,215	\$ 3,122	\$ 2,862
Survivors <sup>2</sup>	1,073	1,066	984	916	941
Disability					36
<i>Refunds</i>					
Death	1			7	7
Lump Sum					
<b>Total</b>	<b>\$ 4,428</b>	<b>\$ 4,357</b>	<b>\$ 4,199</b>	<b>\$ 4,045</b>	<b>\$ 3,846</b>
<b>Number of Lump Sum</b>					
<b>HPORS</b>					
<i>Benefit Expenses<sup>1</sup></i>					
Retirees	\$ 11,414	\$ 10,834	\$ 10,603	\$ 10,250	\$ 9,721
Survivors <sup>2</sup>	3,035	2,790	2,557	2,257	2,155
Disability	154	101	138	163	179
<i>Refunds</i>					
Death	7	13	3	11	7
DROP	588	1,390	1,691	132	249
Lump Sum	160	125	335	199	333
<b>Total</b>	<b>\$ 15,358</b>	<b>\$ 15,253</b>	<b>\$ 15,327</b>	<b>\$ 13,012</b>	<b>\$ 12,644</b>
<b>Number of Lump Sum</b>	<b>6</b>	<b>4</b>	<b>10</b>	<b>3</b>	<b>2</b>
<b>Drop Refunds</b>	<b>2</b>	<b>7</b>	<b>7</b>	<b>3</b>	<b>1</b>
<b>SRS</b>					
<i>Benefit Expenses<sup>1</sup></i>					
Retirees	\$ 24,499	\$ 22,353	\$ 20,613	\$ 19,220	\$ 17,318
Survivors <sup>2</sup>	1,775	1,681	1,515	1,354	1,301
Disability	1,065	956	1,026	898	821
<i>Refunds</i>					
Death	9	16	4	5	72
Lump Sum	2,022	2,005	1,506	1,566	1,439
<b>Total</b>	<b>\$ 29,370</b>	<b>\$ 27,011</b>	<b>\$ 24,664</b>	<b>\$ 23,043</b>	<b>\$ 20,951</b>
<b>Number of Lump Sum</b>	<b>147</b>	<b>156</b>	<b>108</b>	<b>108</b>	<b>95</b>

<sup>1</sup> The Benefit Expenses on this schedule differ from those on others due to prior year adjustments on the other schedules.

<sup>2</sup> The amount of survivors increased in fiscal year 2017 forward due to the way the newly implemented computer system categorizes survivors.

	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>
\$	365,082	\$ 338,438	\$ 335,806	\$ 311,019	\$ 287,895
	25,941	24,082	5,119	4,717	4,512
	2,073	1,873	2,045	2,301	2,048
	2,243	1,962	1,134	1,465	1,728
	12,619	12,252	10,379	11,688	10,070
\$	407,958	\$ 378,607	\$ 354,483	\$ 331,190	\$ 306,253
	1,353	1,269	1,717	1,661	1,809
<hr/>					
\$	2,708	\$ 2,645	\$ 3,278	\$ 2,928	\$ 2,911
	954	849	26	113	112
	61	60	109		
			3		
	149				
\$	3,872	\$ 3,554	\$ 3,416	\$ 3,041	\$ 3,023
	1				
<hr/>					
\$	9,793	\$ 9,473	\$ 10,053	\$ 9,498	\$ 8,894
	1,541	1,386	245	238	238
	212	177	181	196	212
			3		
	322	245	94	69	84
\$	11,868	\$ 11,281	\$ 10,576	\$ 10,001	\$ 9,428
	3	9	4	4	5
<hr/>					
\$	16,058	\$ 14,861	\$ 14,123	\$ 12,560	\$ 11,482
	1,146	1,071	532	471	403
	739	744	792	988	802
	110	24	29	1	45
	1,490	1,383	1,029	1,217	1,185
\$	19,543	\$ 18,083	\$ 16,505	\$ 15,237	\$ 13,917
	107	98	110	115	107

# STATISTICAL SECTION

## Public Employees' Retirement Board

*A Component Unit of the State of Montana*

### Schedule of Benefit Expenses and Refunds by Type, Last Ten Fiscal Years (cont.)

(in thousands)

System	2023	2022	2021	2020	2019
<b>GWPORS</b>					
<i>Benefit Expenses<sup>1</sup></i>					
Retirees	\$ 11,174	\$ 9,943	\$ 8,601	\$ 7,615	\$ 6,695
Survivors <sup>2</sup>	616	607	620	582	549
Disability	43	35	34	26	75
<i>Refunds</i>					
Death	3	4		29	31
Lump Sum	1,104	1,464	871	1,200	1,001
<b>Total</b>	<b>\$ 12,940</b>	<b>\$ 12,053</b>	<b>\$ 10,126</b>	<b>\$ 9,452</b>	<b>\$ 8,351</b>
<b>Number of Lump Sum</b>	<b>109</b>	<b>93</b>	<b>87</b>	<b>90</b>	<b>88</b>
<b>MPORS</b>					
<i>Benefit Expenses<sup>1</sup></i>					
Retirees	\$ 27,577	\$ 25,632	\$ 23,752	\$ 22,283	\$ 20,895
Survivors <sup>2</sup>	5,309	5,217	5,000	4,525	4,219
Disability	1,002	878	946	966	1,093
<i>Refunds</i>					
Death	18	8	6	6	14
DROP <sup>3</sup>	2,215	2,142	5,401	1,877	3,380
Lump Sum	533	158	397	451	257
<b>Total</b>	<b>\$ 36,654</b>	<b>\$ 34,035</b>	<b>\$ 35,502</b>	<b>\$ 30,108</b>	<b>\$ 29,858</b>
<b>Number of Lump Sum</b>	<b>41</b>	<b>33</b>	<b>45</b>	<b>20</b>	<b>24</b>
<b>Drop Refunds</b>	<b>12</b>	<b>10</b>	<b>23</b>	<b>9</b>	<b>1</b>
<b>FURS</b>					
<i>Benefit Expenses<sup>1</sup></i>					
Retirees	\$ 26,459	\$ 24,851	\$ 23,352	\$ 21,941	\$ 21,084
Survivors <sup>2</sup>	5,194	5,069	4,779	4,494	4,243
Disability	470	411	386	386	294
<i>Refunds</i>					
Death	10	13	5	9	5
Lump Sum	224	66	93	62	90
<b>Total</b>	<b>\$ 32,357</b>	<b>\$ 30,410</b>	<b>\$ 28,615</b>	<b>\$ 26,892</b>	<b>\$ 25,716</b>
<b>Number of Lump Sum</b>	<b>11</b>	<b>5</b>	<b>8</b>	<b>4</b>	<b>9</b>
<b>VFCA</b>					
<i>Benefit Expenses<sup>1</sup></i>					
Retirees	\$ 3,102	\$ 3,082	\$ 3,073	\$ 3,044	\$ 2,985
Survivors <sup>2</sup>	11	10	41	10	11
Disability	1	1	1		1
<b>Total</b>	<b>\$ 3,114</b>	<b>\$ 3,093</b>	<b>\$ 3,115</b>	<b>\$ 3,054</b>	<b>\$ 2,997</b>

<sup>1</sup> The Benefit Expenses on this schedule differ from those on others due to prior year adjustments on the other schedules

<sup>2</sup> The amount of survivors increased in fiscal year 2017 forward due to the way the newly implemented computer system categorizes survivors.

<sup>3</sup> The DROP amounts were inadvertently added in with the Lump Sum amounts for FY19 and FY20.

	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>
\$	5,932	\$ 5,233	\$ 4,910	\$ 4,412	\$ 3,789
	499	487	86	88	61
	49	66	71	50	60
	43	24	1		69
	1,105	1,036	1,066	801	1,187
<b>\$</b>	<b>7,628</b>	<b>\$ 6,846</b>	<b>\$ 6,134</b>	<b>\$ 5,351</b>	<b>\$ 5,166</b>
	75	64	97	103	110
<hr/>					
\$	21,622	\$ 20,628	\$ 20,548	\$ 19,294	\$ 18,245
	1,928	1,720	747	696	675
	936	850	663	568	530
	81	4	3	2	
	772	273	819	1,446	469
	1,903	1,043	421	733	549
<b>\$</b>	<b>27,242</b>	<b>\$ 24,518</b>	<b>\$ 23,201</b>	<b>\$ 22,739</b>	<b>\$ 20,468</b>
	19	17	29	37	36
	8	2	5	10	5
<hr/>					
\$	19,658	\$ 18,470	\$ 20,189	\$ 18,986	\$ 18,106
	3,919	3,651	478	484	490
	282	211	224	271	252
	4	4	5	4	24
	173	168	46	2	166
<b>\$</b>	<b>24,036</b>	<b>\$ 22,504</b>	<b>\$ 20,942</b>	<b>\$ 19,747</b>	<b>\$ 19,038</b>
	12	8	8	8	9
<hr/>					
\$	2,933	\$ 2,858	\$ 2,623	\$ 2,369	\$ 2,281
	11				
<b>\$</b>	<b>2,944</b>	<b>\$ 2,858</b>	<b>\$ 2,623</b>	<b>\$ 2,369</b>	<b>\$ 2,281</b>

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Schedule of Distributions Processed, Last Ten Fiscal Years

(in thousands)

System	2023	2022	2021	2020	2019
<b>PERS-DCRP</b>					
Number of Retirements	133	120	89	89	74
Number of Deaths	1	1	1	1	8
Amount of Benefits	\$ 1,270	\$ 1,102	\$ 810	\$ 734	\$ 942
Number of Full Refunds	320	282	227	203	177
Amount Refunded	\$ 18,812	\$ 16,078	\$ 10,506	\$ 7,438	\$ 6,503
Number of Partial Refunds	83	71	56	33	74
Amount Refunded	\$ 2,126	\$ 2,455	\$ 1,977	\$ 1,687	\$ 1,975
Number of Forfeitures	159	165	142	132	132
Amount of Contributions Forfeited <sup>1</sup>	\$ 1,409	\$ 1,682	\$ 1,104	\$ 775	\$ 714

<sup>1</sup> Members terminating with less than 5 years of membership service forfeit their employer contributions.

	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>
	57	32	27	20	26
	8	8	11	5	8
\$	403 \$	232 \$	262 \$	190 \$	155
	181	167	246	164	147
\$	7,415 \$	5,554 \$	4,106 \$	5,215 \$	3,616
	70	45	52	46	57
\$	1,928 \$	1,251 \$	931 \$	698 \$	967
	117	114	115	91	72
\$	746 \$	397 \$	383 \$	333 \$	252

# STATISTICAL SECTION

## Public Employees' Retirement Board

A Component Unit of the State of Montana

### Retired Members by Type of Benefit

As of June 30, 2023

	Amount of Monthly Benefit	# of Retired Members	Type of Retirement		
			Regular	Disability	Survivor <sup>2</sup>
PERS-DBRP	\$1-250	1,629	1,458	2	169
	\$251-500	3,290	2,935	16	339
	\$501-750	2,847	2,482	19	346
	\$751-1,000	2,519	2,265	16	238
	\$1,001-1,250	2,126	1,884	7	235
	\$1,251-1,500	1,714	1,543	8	163
	\$1,501-1,750	1,437	1,318	1	118
	\$1,751-2,000	1,206	1,093	4	109
	Over \$2,000	8,784	8,245	13	526
	Total	25,552	23,223	86	2,243
<hr/>					
	Amount of Monthly Benefit	# of Retired Members	Type of Retirement		
			Regular	Disability	Survivor <sup>2</sup>
PERS-DCRP Disability OPEB	\$1-250				
	\$251-500	2		2	
	\$501-750	2		2	
	\$751-1,000				
	\$1,001-1,250				
	\$1,251-1,500	2		2	
	\$1,501-1,750	1		1	
	\$1,751-2,000				
	Over \$2,000				
Total	7		7		
<hr/>					
	Amount of Monthly Benefit	# of Retired Members	Type of Retirement		
			Regular	Disability	Survivor <sup>2</sup>
JRS	\$1-250				
	\$251-500				
	\$501-750				
	\$751-1,000	1	1		
	\$1,001-1,250	1			1
	\$1,251-1,500	1	1		
	\$1,501-1,750	4	1		3
	\$1,751-2,000	4	3		1
	Over \$2,000	63	48		15
Total	74	54		20	

<sup>1</sup> Option Selected:

1 - Beneficiary receives lump sum of member's unused contributions

2 - Beneficiary receives 100 percent of member's monthly benefit

3 - Beneficiary receives 50 percent of member's monthly benefit

4 10 yrs - Guaranteed for the life of member or a minimum of 10 years after member's retirement

4 20 yrs - Guaranteed for the life of member or a minimum of 20 years after member's retirement

Statutory - A surviving spouse or dependent child of a member of HPORS, MPORS, or FURS receiving benefits upon the death of the member

Non-Increasing Annuity - An optional death benefit, payable for life to a PERS beneficiary who elects to receive a death payment as defined in §19-3-1202, MCA in lieu of a survivor benefit available under §19-3-1204, MCA

<sup>2</sup> For the purposes of this schedule, survivor is anyone receiving a monthly benefit that is not the original member.

The numbers in this schedule may differ from other schedules due to death lump sum payments.

**Public Employees' Retirement Board**

*A Component Unit of the State of Montana*

**Retired Members by Type of Benefit**

As of June 30, 2023

	Option Selected <sup>1</sup>						Non-Increasing Annuity	GABA	NON-GABA
	1	2	3	4 10 yrs	4 20 yrs	Statutory			
PERS-DBRP	1,194	265	38	24	76		32	1,615	14
	2,316	642	116	56	151		9	3,284	6
	1,948	580	127	53	137		2	2,845	2
	1,687	550	132	48	101		1	2,519	
	1,368	471	168	40	79			2,126	
	1,087	401	128	44	54			1,713	1
	922	328	122	27	38			1,437	
	775	271	107	32	21			1,206	
	5,004	2,243	1,049	217	271			8,784	
	16,301	5,751	1,987	541	928		44	25,529	23

	Option Selected <sup>1</sup>						Non-Increasing Annuity	GABA <sup>3</sup>	NON-GABA
	1	2	3	4 10 yrs	4 20 yrs	Statutory			
PERS-DCRP									
Disability OPEB	2								2
	2								2
	2								2
	1								1
	7								7

	Option Selected <sup>1</sup>						Non-Increasing Annuity	GABA	NON-GABA
	1	2	3	4 10 yrs	4 20 yrs	Statutory			
JRS									
		1							1
							1		1
	1								1
	1	3						1	3
		3	1					3	1
	20	31	9		3			39	24
	22	38	10		3		1	43	31

<sup>3</sup> GABA is not an option for PERS DCRP-Disability OPEB retired members

GABA - Members covered under the Guaranteed Annual Benefit Adjustment

NON-GABA - Members not covered under the Guaranteed Annual Benefit Adjustment

# STATISTICAL SECTION

## Public Employees' Retirement Board

A Component Unit of the State of Montana

### Retired Members by Type of Benefit

As of June 30, 2023

	Amount of Monthly Benefit	# of Retired Members <sup>2</sup>	Type of Retirement		
			Regular	Disability	Survivor <sup>3</sup>
HPORS	\$1-250	1	1		
	\$251-500	5	3		2
	\$501-750	5	3		2
	\$751-1,000	8	7		1
	\$1,001-1,250	6	4		2
	\$1,251-1,500	6	5		1
	\$1,501-1,750	3	3		
	\$1,751-2,000	5	3		2
	Over \$2,000	331	254	4	73
	Total	370	283	4	83
			Type of Retirement		
	Amount of Monthly Benefit	# of Retired Members	Regular	Disability	Survivor <sup>2</sup>
			Regular	Disability	Survivor <sup>2</sup>
SRS	\$1-250	21	16	1	4
	\$251-500	42	35		7
	\$501-750	47	42	1	4
	\$751-1,000	58	52		6
	\$1,001-1,250	28	24		4
	\$1,251-1,500	41	36		5
	\$1,501-1,750	42	33	2	7
	\$1,751-2,000	42	31	2	9
	Over \$2,000	570	515	25	30
	Total	891	784	31	76
			Type of Retirement		
	Amount of Monthly Benefit	# of Retired Members	Regular	Disability	Survivor <sup>2</sup>
			Regular	Disability	Survivor <sup>2</sup>
GWPORS	\$1-250	3	3		
	\$251-500	23	22		1
	\$501-750	50	43	1	6
	\$751-1,000	33	30		3
	\$1,001-1,250	42	36		6
	\$1,251-1,500	38	36		2
	\$1,501-1,750	35	32		3
	\$1,751-2,000	36	34		2
	Over \$2,000	230	221	1	8
	Total	490	457	2	31

<sup>1</sup> Option Selected:

1 - Beneficiary receives lump sum of member's unused contributions

2 - Contingent Annuitant receives 100 percent of member's monthly benefit

3 - Contingent Annuitant receives 50 percent of member's monthly benefit

4 10 yrs - Guaranteed for the life of member or a minimum of 10 years after member's retirement

4 20 yrs - Guaranteed for the life of member or a minimum of 20 years after member's retirement

Statutory - A surviving spouse or dependent child of a member of HPORS, MPORS, or FURS receiving benefits upon the death of the member

Non-Increasing Annuity - An optional death benefit, payable for life to a PERS beneficiary who elects to receive a death payment as defined in §19-3-1202, MCA in lieu of a survivor benefit available under §19-3-1204, MCA

<sup>2</sup> HPORS does not include DROP members.

<sup>3</sup> For the purposes of this schedule, Survivor is anyone receiving a monthly benefit that is not the original member.

The numbers in this schedule may differ from other schedules due to death lump sum payments.

**Public Employees' Retirement Board**

*A Component Unit of the State of Montana*

**Retired Members by Type of Benefit**

As of June 30, 2023

	Option Selected <sup>1</sup>						Non-Increasing Annuity	GABA	NON-GABA	
	1	2	3	4 10 yrs	4 20 yrs	Statutory				
HPORS								1		
								3	2	
								5		
								7	1	
								4	2	
								5	1	
								3		
								5	1	
								331	280	51
								370	312	58

	Option Selected <sup>1</sup>						Non-Increasing Annuity	GABA	NON-GABA
	1	2	3	4 10 yrs	4 20 yrs	Statutory			
SRS	11	8	2					21	
	19	16	4			3		42	
	23	20	3			1		47	
	29	17	5	2	5			58	
	14	9	2	2	1			28	
	21	16	3		1			41	
	15	22	2	2	1			42	
	18	20	2	1	1			42	
	281	184	59	18	28			570	
	431	312	82	25	41			891	

	Option Selected <sup>1</sup>						Non-Increasing Annuity	GABA	NON-GABA
	1	2	3	4 10 yrs	4 20 yrs	Statutory			
GWPORS	2				1			3	
	10	9	1	1	2			23	
	23	18	3	2	4			50	
	25	6	1		1			33	
	21	15	4		2			42	
	17	10	5	1	5			38	
	20	11	4					35	
	19	11	5		1			36	
	108	77	24	5	16			230	
	245	157	47	9	32			490	

GABA - Members covered under the Guaranteed Annual Benefit Adjustment

NON-GABA - Members not covered under the Guaranteed Annual Benefit Adjustment

# STATISTICAL SECTION

## Public Employees' Retirement Board

A Component Unit of the State of Montana

### Retired Members by Type of Benefit

As of June 30, 2023

	Amount of Monthly Benefit	# of Retired Members <sup>2</sup>	Type of Retirement		
			Regular	Disability	Survivor <sup>3</sup>
MPORS	\$1-250	28	28		
	\$251-500	19	17		2
	\$501-750	25	24		1
	\$751-1,000	29	26		3
	\$1,001-1,250	18	17		1
	\$1,251-1,500	19	18		1
	\$1,501-1,750	16	13	1	2
	\$1,751-2,000	25	17	1	7
	Over \$2,000	776	611	25	140
	Total	955	771	27	157
<hr/>					
	Amount of Monthly Benefit	# of Retired Members	Type of Retirement		
			Regular	Disability	Survivor <sup>3</sup>
FURS	\$1-250	6	3		3
	\$251-500	41	30		11
	\$501-750	7	6		1
	\$751-1,000	9	8		1
	\$1,001-1,250	10	10		
	\$1,251-1,500	5	5		
	\$1,501-1,750	6	5	1	
	\$1,751-2,000	16	9	1	6
	Over \$2,000	610	477	11	122
	Total	710	553	13	144
<hr/>					
	Amount of Monthly Benefit	# of Retired Members	Type of Retirement		
			Regular	Disability	Survivor <sup>3</sup>
VFCA	\$1-250	1,482	1,474	1	7
	\$251-500	59	59		
	\$501-750				
	\$751-1,000				
	\$1,001-1,250				
	\$1,251-1,500				
	\$1,501-1,750				
	\$1,751-2,000				
	Over \$2,000				
	Total	1,541	1,533	1	7

<sup>1</sup> Option Selected (excluding the VFCA):

- 1 - Beneficiary receives lump sum of member's unused contributions
- 2 - Contingent Annuitant receives 100 percent of member's monthly benefit
- 3 - Contingent Annuitant receives 50 percent of member's monthly benefit
- 4 10 yrs - Guaranteed for the life of member or a minimum of 10 years after member's retirement
- 4 20 yrs - Guaranteed for the life of member or a minimum of 20 years after member's retirement
- Statutory - A surviving spouse or dependent child of a member of HPORS, MPORS, or FURS receiving benefits upon the death of the member
- Non-Increasing Annuity - An optional death benefit, payable for life to a PERS beneficiary who elects to receive a death payment as defined in §19-3-1202, MCA in lieu of a survivor benefit available under §19-3-1204, MCA

<sup>2</sup> MPORS does not include DROP members.

<sup>3</sup> For the purposes of this schedule, survivor is anyone receiving a monthly benefit that is not the original member.

<sup>4</sup> Option Selected VFCA:

- 1 - Member receiving monthly benefit
- 2 - Non-Increasing Annuity - Benefit paid to survivor equal to member's full or partial benefit. Benefit is limited to 40 months including any pension paid to member before death

The numbers in this schedule may differ from other schedules due to death lump sum payments.

**Public Employees' Retirement Board**

*A Component Unit of the State of Montana*

**Retired Members by Type of Benefit**

As of June 30, 2023

	Option Selected <sup>1</sup>							GABA	NON-GABA
	1	2	3	4 10 yrs	4 20 yrs	Statutory	Non-Increasing Annuity		
MPORS								27	1
								19	
								25	
								29	
								18	
								19	
								14	2
								22	3
								733	43
							906	49	

	Option Selected <sup>1</sup>							GABA	NON-GABA
	1	2	3	4 10 yrs	4 20 yrs	Statutory	Non-Increasing Annuity		
FURS								5	1
								35	6
								7	
								9	
								10	
								5	
								6	
								16	
								591	19
							684	26	

	Option Selected <sup>4</sup>							GABA	NON-GABA
	1	2	3	4 10 yrs	4 20 yrs	Statutory	Non-Increasing Annuity		
VFCA									1,482
									59
									1,541

GABA - Members covered under the Guaranteed Annual Benefit Adjustment  
 NON-GABA - Members not covered under the Guaranteed Annual Benefit Adjustment

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Average Benefit Payments, Last Ten Fiscal Years

Retirement Effective Dates	PERS - Defined Benefit Retirement Plan Years of Credited Service						
	0-5	5-10	10-15	15-20	20-25	25-30	30+
<b>Period 7/1/2022 - 6/30/2023</b>							
Average monthly benefit	\$ 171	\$ 399	\$ 838	\$ 1,277	\$ 1,836	\$ 2,862	\$ 3,935
Average HAC <sup>1</sup>	1,994	3,314	3,919	4,163	4,712	5,396	6,007
Number of retired member	30	159	193	156	153	145	178
<b>Period 7/1/2021 - 6/30/2022</b>							
Average monthly benefit	159	420	836	1,214	1,734	2,605	3,809
Average HAC <sup>1</sup>	1,628	3,336	4,013	4,136	4,437	5,035	5,794
Number of retired member	44	200	214	194	137	194	257
<b>Period 7/1/2020 - 6/30/2021</b>							
Average monthly benefit	142	1,335	2,568	4,802	5,182	8,836	7,086
Average HAC <sup>1</sup>	1,547	10,057	12,319	15,762	15,400	17,777	10,427
Number of retired member	35	184	197	179	145	159	224
<b>Period 7/1/2019 - 6/30/2020</b>							
Average monthly benefit	449	1,951	1,381	4,040	5,416	6,285	5,596
Average HAC <sup>1</sup>	3,593	13,838	6,049	13,460	13,748	11,995	11,057
Number of retired member	39	153	177	169	142	201	221
<b>Period 7/1/2018 - 6/30/2019</b>							
Average monthly benefit	283	1,136	2,393	4,262	4,641	6,345	5,800
Average HAC <sup>1</sup>	1,782	8,994	12,732	13,693	12,982	14,299	9,381
Number of retired members	36	175	198	191	148	170	224
<b>Period 7/1/2017 - 6/30/2018</b>							
Average monthly benefit	570	1,269	2,156	4,295	4,095	6,341	6,799
Average HAC <sup>1</sup>	6,273	8,102	9,220	13,802	11,511	14,441	9,643
Number of retired members	30	228	234	216	183	244	259
<b>Period 7/1/2016 - 6/30/2017</b>							
Average monthly benefit	177	1,116	2,298	3,036	4,170	5,470	6,018
Average HAC <sup>1</sup>	1,620	8,143	11,044	10,232	12,335	11,234	9,757
Number of retired members	29	170	169	155	154	172	232
<b>Period 7/1/2015 - 6/30/2016</b>							
Average monthly benefit	2,048	837	1,497	2,075	3,082	4,665	3,163
Average HAC <sup>1</sup>	8,873	6,555	6,288	6,519	7,586	8,726	4,769
Number of retired members	20	168	168	181	147	184	263
<b>Period 7/1/2014 - 6/30/2015</b>							
Average monthly benefit	1,930	982	1,334	1,688	1,507	1,972	3,078
Average HAC <sup>1</sup>	1,806	2,320	2,553	2,775	3,066	3,098	3,948
Number of retired members	27	159	189	164	180	196	262
<b>Period 7/1/2013 - 6/30/2014</b>							
Average monthly benefit	3,243	1,233	1,888	2,001	2,247	2,533	3,010
Average HAC <sup>1</sup>	2,004	2,799	3,016	3,326	3,548	4,092	4,849
Number of retired members	45	214	201	186	188	192	199

<sup>1</sup> HAC = Highest Average Compensation during any consecutive 36 months or 60 months dependent upon date member was hired.

The Average monthly benefit could be skewed in this schedule due to retroactive retirement dates.

The Average HAC may be blank due to system not requiring this information to be updated when a member retires.

**Public Employees' Retirement Board**

*A Component Unit of the State of Montana*

**Average Benefit Payments, Last Ten Fiscal Years (cont.)**

Retirement Effective Dates	DC Disability OPEB Years of Credited Service						
	0-5	5-10	10-15	15-20	20-25	25-30	30+
Period 7/1/2022 - 6/30/2023							
Average monthly benefit							
Average HAC <sup>1</sup>							
Number of retired members							
Period 7/1/2021 - 6/30/2022							
Average monthly benefit							
Average HAC <sup>1</sup>							
Number of retired members							
Period 7/1/2020 - 6/30/2021							
Average monthly benefit		\$	612		\$	1,642	
Average HAC <sup>1</sup>			2,579			3,272	
Number of retired members			1			1	
Period 7/1/2019 - 6/30/2020							
Average monthly benefit							
Average HAC <sup>1</sup>							
Number of retired members							
Period 7/1/2018 - 6/30/2019							
Average monthly benefit				\$	1,429		
Average HAC <sup>1</sup>					4,659		
Number of retired members					2		
Period 7/1/2017 - 6/30/2018							
Average monthly benefit	\$	344	1,370				
Average HAC <sup>1</sup>		1,302	6,213				
Number of retired members		1	1				
Period 7/1/2016 - 6/30/2017							
Average monthly benefit					2,206		
Average HAC <sup>1</sup>					5,446		
Number of retired members					1		
Period 7/1/2015 - 6/30/2016							
Average monthly benefit							
Average HAC <sup>1</sup>							
Number of retired members							
Period 7/1/2014 - 6/30/2015							
Average monthly benefit							
Average HAC <sup>1</sup>							
Number of retired members							
Period 7/1/2013 - 6/30/2014							
Average monthly benefit							
Average HAC <sup>1</sup>							
Number of retired members							

<sup>1</sup> HAC = Highest Average Compensation during any consecutive 36 months or 60 months dependent upon date member was hired.

The Average monthly benefit could be skewed in this schedule due to retroactive retirement dates.

The Average HAC may be blank due to system not requiring this information to be updated when a member retires.

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Average Benefit Payments, Last Ten Fiscal Years (cont.)

Retirement Effective Dates	Judges' Retirement System Years of Credited Service						
	0-5	5-10	10-15	15-20	20-25	25-30	30+
Period 7/1/2022 - 6/30/2023							
Average monthly benefit	\$	2,951	\$	3,309.61			
Average HAC <sup>1</sup>		11,446		11,672.05			
Number of retired members		1		1			
Period 7/1/2021 - 6/30/2022							
Average monthly benefit		2,409			\$	6,013	
Average HAC <sup>1</sup>		11,446				11,328	
Number of retired members		1				1	
Period 7/1/2020 - 6/30/2021							
Average monthly benefit		3,701		\$	6,380		\$
Average HAC <sup>1</sup>		11,202			11,202		10,197
Number of retired members		1			1		1
Period 7/1/2019 - 6/30/2020							
Average monthly benefit		2,699					
Average HAC <sup>1</sup>		10,828					
Number of retired members		1					
Period 7/1/2018 - 6/30/2019							
Average monthly benefit		1,994		3,522	9,639	6,043	7,759
Average HAC <sup>1</sup>		10,670		10,591	10,591	10,591	5,098
Number of retired members		2		1	2	1	1
Period 7/1/2017 - 6/30/2018							
Average monthly benefit				8,259			
Average HAC <sup>1</sup>				11,173			
Number of retired members				2			
Period 7/1/2016 - 6/30/2017							
Average monthly benefit		2,015			9,931	11,721	
Average HAC <sup>1</sup>		10,112			10,465	19,815	
Number of retired members		1			3	2	
Period 7/1/2015 - 6/30/2016							
Average monthly benefit		1,587			9,917	5,319	\$
Average HAC <sup>1</sup>		9,870			20,501	10,511	6,417
Number of retired members		1			2	1	1
Period 7/1/2014 - 6/30/2015							
Average monthly benefit						5,600	
Average HAC <sup>1</sup>						9,800	
Number of retired members						2	
Period 7/1/2013 - 6/30/2014							
Average monthly benefit					2,792	4,899	5,088
Average HAC <sup>1</sup>						9,800	9,800
Number of retired members					1	1	1

<sup>1</sup> HAC = Highest Average Compensation during any consecutive 36 months.

The Average monthly benefit could be skewed in this schedule due to retroactive retirement dates.

The Average HAC may be blank due to system not requiring this information to be updated when a member retires.

## Public Employees' Retirement Board

*A Component Unit of the State of Montana*

### Average Benefit Payments, Last Ten Fiscal Years (cont.)

Retirement Effective Dates	Highway Patrol Officers' Retirement System						30+
	0-5	5-10	10-15	15-20	20-25	25-30	
Period 7/1/2022 - 6/30/2023							
Average monthly benefit				\$ 2,897	\$ 3,464	\$ 5,108	
Average HAC <sup>1</sup>				5,668	6,332	6,886	
Number of retired members				5	6	1	
Period 7/1/2021 - 6/30/2022							
Average monthly benefit				2,769			
Average HAC <sup>1</sup>				6,179			
Number of retired members				2			
Period 7/1/2020 - 6/30/2021							
Average monthly benefit				2,938	3,265		
Average HAC <sup>1</sup>				5,744	6,143		
Number of retired members				2	3		
Period 7/1/2019 - 6/30/2020							
Average monthly benefit		\$ 1,036		2,796	3,030		
Average HAC <sup>1</sup>			5,092	5,435	5,710		
Number of retired members			2	1	5		
Period 7/1/2018 - 6/30/2019							
Average monthly benefit			4,161	2,827	3,012		
Average HAC <sup>1</sup>			11,668	5,436	5,575		
Number of retired members			2	1	6		
Period 7/1/2017 - 6/30/2018							
Average monthly benefit	\$ 1,755		3,812	2,087	5,253	3,090	
Average HAC <sup>1</sup>			8,186	5,362	8,032		
Number of retired members		1	4	3	8	2	
Period 7/1/2016 - 6/30/2017							
Average monthly benefit				3,471	3,142	4,071	
Average HAC <sup>1</sup>				10,667	4,005	5,838	
Number of retired members				2	3	2	
Period 7/1/2015 - 6/30/2016							
Average monthly benefit				2,825	6,420	4,310	
Average HAC <sup>1</sup>				5,434	11,885	6,079	
Number of retired members				1	7	2	
Period 7/1/2014 - 6/30/2015							
Average monthly benefit		1,581	1,113	2,810	3,475	4,315	
Average HAC <sup>1</sup>		5,049		5,412	2,852	6,227	
Number of retired members		2	1	1	4	2	
Period 7/1/2013 - 6/30/2014							
Average monthly benefit			479	2,348	3,330	5,043	
Average HAC <sup>1</sup>			3,557	4,559	5,859	6,641	
Number of retired members			1	1	9	2	

<sup>1</sup> HAC = Highest Average Compensation during any consecutive 36 months.

The Average monthly benefit could be skewed in this schedule due to retroactive retirement dates.

The Average HAC may be blank due to system not requiring this information to be updated when a member retires.

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Average Benefit Payments, Last Ten Fiscal Years (cont.)

Retirement Effective Dates	Sheriffs' Retirement System Years of Credited Service													
	0-5	5-10	10-15	15-20	20-25	25-30	30+							
<b>Period 7/1/2022 - 6/30/2023</b>														
Average monthly benefit	\$	575	\$	1,643	\$	2,224	\$	3,654	\$	6,556	\$	5,869		
Average HAC <sup>1</sup>		3,843		5,235		5,424		6,727		7,678		7,129		
Number of retired members		6		7		18		16		8		3		
<b>Period 7/1/2021 - 6/30/2022</b>														
Average monthly benefit		1,001		1,388		2,715		3,089		3,510		5,128		
Average HAC <sup>1</sup>		4,471		4,670		6,166		6,290		5,802		6,223		
Number of retired members		8		6		16		12		4		3		
<b>Period 7/1/2020 - 6/30/2021</b>														
Average monthly benefit	\$	256		2,081		1,172		7,954		3,197		4,530		7,179
Average HAC <sup>1</sup>		1,162		7,035		4,724		18,361		6,246		7,137		6,580
Number of retired members		1		5		9		12		12		2		2
<b>Period 7/1/2019 - 6/30/2020</b>														
Average monthly benefit		403		5,000		2,391		2,315		7,663		3,855		5,537
Average HAC <sup>1</sup>		3,236		12,350		9,201		5,392		14,961		6,052		7,388
Number of retired members		1		7		7		7		16		2		1
<b>Period 7/1/2018 - 6/30/2019</b>														
Average monthly benefit				2,788		4,459		2,375		2,654		3,528		5,049
Average HAC <sup>1</sup>				7,948		11,358		5,393		5,482		5,667		5,743
Number of retired members				9		12		9		15		6		5
<b>Period 7/1/2017 - 6/30/2018</b>														
Average monthly benefit		2,598		651		758		5,073		2,940		3,819		6,406
Average HAC <sup>1</sup>		5,197		4,489		3,484		11,366		6,033		5,758		6,886
Number of retired members		1		5		7		8		6		6		1
<b>Period 7/1/2016 - 6/30/2017</b>														
Average monthly benefit		345		551		3,575		1,715		2,713		3,341		5,001
Average HAC <sup>1</sup>		3,310		3,776		9,625		4,103		5,444		5,569		6,705
Number of retired members		1		5		7		7		9		2		3
<b>Period 7/1/2015 - 6/30/2016</b>														
Average monthly benefit		238		2,464		2,669		5,274		3,000		2,905		4,146
Average HAC <sup>1</sup>				7,058		7,936		8,886		5,538		4,905		5,596
Number of retired members		1		6		6		11		12		3		2
<b>Period 7/1/2014 - 6/30/2015</b>														
Average monthly benefit		2,050		501		869		2,228		3,224		3,088		2,942
Average HAC <sup>1</sup>		4,100		2,864		2,793		5,059		4,817		5,042		3,913
Number of retired members		1		10		7		9		8		7		3
<b>Period 7/1/2013 - 6/30/2014</b>														
Average monthly benefit		684		507		957		2,261		2,847		2,426		3,786
Average HAC <sup>1</sup>		1,712		3,339		3,627		5,393		5,673		5,549		6,893
Number of retired members		3		8		4		5		6		4		3

<sup>1</sup> HAC = Highest Average Compensation during any consecutive 36 months or 60 months dependent upon date member was hired.

The Average monthly benefit could be skewed in this schedule due to retroactive retirement dates.

The Average HAC may be blank due to system not requiring this information to be updated when a member retires.

# Public Employees' Retirement Board

*A Component Unit of the State of Montana*

## Average Benefit Payments, Last Ten Fiscal Years (cont.)

Retirement Effective Dates	Game Wardens' and Peace Officers' Retirement System						
	Years of Credited Service						
	0-5	5-10	10-15	15-20	20-25	25-30	30+
<b>Period 7/1/2022 - 6/30/2023</b>							
Average monthly benefit	\$ 545	\$ 735	\$ 1,412	\$ 2,138	\$ 3,081	\$ 3,401	\$ 4,173
Average HAC <sup>1</sup>	4,445	3,843	4,538	4,802	5,849	5,164	5,561
Number of retired members	1	5	9	12	19	2	3
<b>Period 7/1/2021 - 6/30/2022</b>							
Average monthly benefit		849	1,454	2,085	2,540	4,552	4,972
Average HAC <sup>1</sup>		4,760	4,136	4,939	4,945	6,677	5,436
Number of retired members		7	3	4	10	4	1
<b>Period 7/1/2020 - 6/30/2021</b>							
Average monthly benefit		3,415	2,870	2,235	2,717	4,021	5,604
Average HAC <sup>1</sup>		10,051	8,658	4,957	5,221	6,357	6,802
Number of retired members		5	9	8	15	3	2
<b>Period 7/1/2019 - 6/30/2020</b>							
Average monthly benefit	434	624	1,336	3,012	2,495	2,652	4,735
Average HAC <sup>1</sup>	3,501	3,563	4,330	10,504	5,016	4,671	6,400
Number of retired members	1	4	5	9	10	2	4
<b>Period 7/1/2018 - 6/30/2019</b>							
Average monthly benefit	1,174	729	2,595	1,549	2,387		4,340
Average HAC <sup>1</sup>	5,146	3,742	7,858	3,891	4,892		6,012
Number of retired members	1	5	7	6	13		1
<b>Period 7/1/2017 - 6/30/2018</b>							
Average monthly benefit		613	1,709	1,958	2,577	2,551	
Average HAC <sup>1</sup>		3,572	6,898	4,500	5,114	4,507	
Number of retired members		7	8	8	10	1	
<b>Period 7/1/2016 - 6/30/2017</b>							
Average monthly benefit		715	1,106	1,726	2,238		4,105
Average HAC <sup>1</sup>		3,738	3,822	4,373	4,368		4,918
Number of retired members		6	6	7	3		3
<b>Period 7/1/2015 - 6/30/2016</b>							
Average monthly benefit	208	2,422	1,143	3,336	2,316	4,129	6,179
Average HAC <sup>1</sup>	1,684	6,650		8,009	4,839	6,493	8,269
Number of retired members	1	8	2	9	3	1	1
<b>Period 7/1/2014 - 6/30/2015</b>							
Average monthly benefit		607	1,213	1,876	2,106	2,671	3,494
Average HAC <sup>1</sup>		2,792	3,588	3,738	4,100		4,848
Number of retired members		7	10	5	5	1	2
<b>Period 7/1/2013 - 6/30/2014</b>							
Average monthly benefit		745	1,151	1,642	2,564	2,109	
Average HAC <sup>1</sup>		3,470	3,809	4,266	4,490	3,695	
Number of retired members		6	6	10	4	1	

<sup>1</sup> HAC = Highest Average Compensation during any consecutive 36 months or 60 months dependent upon date member was hired.

The Average monthly benefit could be skewed in this schedule due to retroactive retirement dates.

The Average HAC may be blank due to system not requiring this information to be updated when a member retires.

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Average Benefit Payments, Last Ten Fiscal Years (cont.)

Retirement Effective Dates	Municipal Police Officers' Retirement System Years of Credited Service						
	0-5	5-10	10-15	15-20	20-25	25-30	30+
<b>Period 7/1/2022 - 6/30/2023</b>							
Average monthly benefit	\$ 42	\$ 1,594	\$ 2,187	\$ 3,316	\$ 3,906	\$ 5,495	
Average FAC <sup>1</sup>	8,108	5,786	5,902	6,952	6,441	8,108	
Number of retired members	2	5	5	11	6	2	
<b>Period 7/1/2021 - 6/30/2022</b>							
Average monthly benefit	1,049	1,493	2,129	3,113	3,795	5,655	
Average FAC <sup>1</sup>	6,496	4,257	5,722	6,638	6,058	8,159	
Number of retired members	4	3	4	12	12	2	
<b>Period 7/1/2020 - 6/30/2021</b>							
Average monthly benefit	459	4,354	3,350	3,186	3,826	5,299	
Average FAC <sup>1</sup>	9,268	13,437	7,656	6,615	7,362	7,424	
Number of retired members	3	5	2	6	3	1	
<b>Period 7/1/2019 - 6/30/2020</b>							
Average monthly benefit	251	888	1,512	2,480	2,985	4,428	\$ 5,027
Average FAC <sup>1</sup>	7,420	3,807	4,695	5,313	5,723	7,086	6,629
Number of retired members	5	2	3	5	4	1	1
<b>Period 7/1/2018 - 6/30/2019</b>							
Average monthly benefit	106	3,979	4,254	2,599	3,469	4,487	10,402
Average FAC <sup>1</sup>	5,877	10,230	9,386	5,206	6,658	7,038	9,403
Number of retired members	6	4	9	3	3	2	1
<b>Period 7/1/2017 - 6/30/2018</b>							
Average monthly benefit	2,200	3,488	5,052	2,873	2,873	3,850	
Average FAC <sup>1</sup>	10,729	9,826	14,364	6,073	3,902	6,172	
Number of retired members	5	6	10	3	8	2	
<b>Period 7/1/2016 - 6/30/2017</b>							
Average monthly benefit	280	3,262	3,447	2,240	2,985	3,363	
Average FAC <sup>1</sup>	6,317	8,418	8,323	4,159	4,980	5,614	
Number of retired members	3	6	5	4	8	1	
<b>Period 7/1/2015 - 6/30/2016</b>							
Average monthly benefit	2,768	3,364	4,183	2,889	3,439	3,233	1,483
Average FAC <sup>1</sup>	5,148	7,777	8,040	4,281	4,851	6,703	3,800
Number of retired members	1	4	4	3	9	2	1
<b>Period 7/1/2014 - 6/30/2015</b>							
Average monthly benefit	379	1,319	1,098	2,590	2,903	4,100	5,062
Average FAC <sup>1</sup>	6,224	3,399	3,707	4,269	4,028	5,486	6,452
Number of retired members	4	4	5	4	13	3	3
<b>Period 7/1/2013 - 6/30/2014</b>							
Average monthly benefit		730	1,801	2,850	3,282	4,264	
Average FAC <sup>1</sup>		3,028	4,826	5,699	5,839	6,655	
Number of retired members		1	3	1	8	1	

<sup>1</sup> FAC = Final Average Compensation during the last 36 months.

The Average monthly benefit could be skewed in this schedule due to retroactive retirement dates.

The Average FAC may be blank due to system not requiring this information to be updated when a member retires.

# Public Employees' Retirement Board

*A Component Unit of the State of Montana*

## Average Benefit Payments, Last Ten Fiscal Years

Retirement Effective Dates	Firefighters' Unified Retirement System Years of Credited Service						
	0-5	5-10	10-15	15-20	20-25	25-30	30+
<b>Period 7/1/2022 - 6/30/2023</b>							
Average monthly benefit	\$ 670	\$ 2,977	\$ 3,484	\$ 3,667	\$ 5,294	\$ 7,249	
Average HAC <sup>1</sup>	4,033	11,064	7,609	6,795	7,680	8,181	
Number of retired members	3	1	5	8	6	4	
<b>Period 7/1/2021 - 6/30/2022</b>							
Average monthly benefit	2,124	1,723	3,791	4,456	5,735	7,293	
Average HAC <sup>1</sup>	6,618	6,026	7,572	7,521	8,161	8,478	
Number of retired members	2	2	7	10	6	3	
<b>Period 7/1/2020 - 6/30/2021</b>							
Average monthly benefit	707	5,428	3,365	4,245	4,842	7,037	
Average HAC <sup>1</sup>	2,777	13,659	6,730	7,682	7,020	8,433	
Number of retired members	3	2	1	5	7	3	
<b>Period 7/1/2019 - 6/30/2020</b>							
Average monthly benefit	1,508	4,899	6,318	3,591	4,954	6,587	
Average HAC <sup>1</sup>	7,296	11,848	12,761	6,708	7,284	8,123	
Number of retired members	3	2	6	8	7	3	
<b>Period 7/1/2018 - 6/30/2019</b>							
Average monthly benefit	\$ 234	3,307	3,570	3,632	5,352	5,985	
Average HAC <sup>1</sup>		6,614	7,231	6,672	7,547	7,915	
Number of retired members	1	2	1	7	6	2	
<b>Period 7/1/2017 - 6/30/2018</b>							
Average monthly benefit	2,355	1,556	5,482	3,572	4,795	4,964	
Average HAC <sup>1</sup>	10,401	5,013	11,286	5,913	5,427	5,188	
Number of retired members	1	2	3	10	4	4	
<b>Period 7/1/2016 - 6/30/2017</b>							
Average monthly benefit	212	3,671	2,065	4,040	4,995	5,422	
Average HAC <sup>1</sup>		11,118	4,481	7,470	7,435	6,634	
Number of retired members	1	3	3	2	5	8	
<b>Period 7/1/2015 - 6/30/2016</b>							
Average monthly benefit	2,240		2,904	6,969	4,741	5,863	
Average HAC <sup>1</sup>	4,156		4,628	12,003	6,881	7,202	
Number of retired members	2		3	9	4	4	
<b>Period 7/1/2014 - 6/30/2015</b>							
Average monthly benefit		1,375	1,634	1,209	1,936	4,621	5,623
Average HAC <sup>1</sup>		1,763	4,444	2,713	5,475	5,367	5,217
Number of retired members		2	1	2	8	4	4
<b>Period 7/1/2013 - 6/30/2014</b>							
Average monthly benefit		1,423	1,819	2,493	3,335	4,176	5,716
Average HAC <sup>1</sup>		5,161	5,865	6,698	5,902	5,931	6,580
Number of retired members		2	1	5	4	2	3

<sup>1</sup> HAC = Highest Average Compensation during any consecutive 36 months.

The Average monthly benefit could be skewed in this schedule due to retroactive retirement dates.

The Average HAC may be blank due to system not requiring this information to be updated when a member retires.

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Average Benefit Payments, Last Ten Fiscal Years (cont.)

Retirement Effective Dates	Volunteer Firefighters' Compensation Act Years of Credited Service											
	0-5	5-10	10-15	15-20	20-25	25-30	30+					
<b>Period 7/1/2022 - 6/30/2023</b>												
Average monthly benefit	\$	88	\$	112	\$	163	\$	192	\$	241	\$	273
Average HAC <sup>1</sup>												
Number of retired members		3	19	22	16	5	5					
<b>Period 7/1/2021 - 6/30/2022</b>												
Average monthly benefit		88	113	161	192	232	270					
Average HAC <sup>1</sup>												
Number of retired members		6	14	13	10	11	7					
<b>Period 7/1/2020 - 6/30/2021</b>												
Average monthly benefit		88	237	168	198	233	294					
Average HAC <sup>1</sup>												
Number of retired members		6	12	19	13	4	7					
<b>Period 7/1/2019 - 6/30/2020</b>												
Average monthly benefit		88	116	167	197	236	271					
Average HAC <sup>1</sup>												
Number of retired members		5	15	22	18	12	5					
<b>Period 7/1/2018 - 6/30/2019</b>												
Average monthly benefit		88	113	166	377	230	265					
Average HAC <sup>1</sup>												
Number of retired members		5	15	23	14	7	9					
<b>Period 7/1/2017 - 6/30/2018</b>												
Average monthly benefit		88	113	349	194	231	268					
Average HAC <sup>1</sup>												
Number of retired members		8	18	18	18	7	8					
<b>Period 7/1/2016 - 6/30/2017</b>												
Average monthly benefit		88	119	164	194	232	250					
Average HAC <sup>1</sup>												
Number of retired members		4	13	16	17	5	2					
<b>Period 7/1/2015 - 6/30/2016</b>												
Average monthly benefit		88	110	160	387	240	269					
Average HAC <sup>1</sup>												
Number of retired members		9	25	15	26	10	2					
<b>Period 7/1/2014 - 6/30/2015</b>												
Average monthly benefit		75	94	703	172	220	249					
Average HAC <sup>1</sup>												
Number of retired members		10	19	21	17	6	4					
<b>Period 7/1/2013 - 6/30/2014</b>												
Average monthly benefit		75	94	140	169	210	238					
Average HAC <sup>1</sup>												
Number of retired members		9	19	20	15	9	4					

<sup>1</sup> HAC = Highest Average Compensation is not applicable to the VFCA. Members are unpaid volunteers and do not contribute to the fund. The Average monthly benefit could be skewed in this schedule due to retroactive retirement dates.

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## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Principal Participating Employers

Current Year and Nine Years Ago

	6/30/2023			6/30/2014			
	Rank	# of Employees <sup>1</sup>	%	Rank	# of Employees <sup>1</sup>	%	
State of Montana <sup>2</sup>	1	9,858	34.03	State of Montana <sup>2</sup>	1	10,696	37.50
University of Montana	2	1,304	4.50	University of Montana	2	1,326	4.65
Montana State University-Bozeman	3	1,163	4.01	Montana State University-Bozeman	3	963	3.38
Missoula County	4	779	2.69	Missoula County	4	601	2.11
City of Billings	5	639	2.21	City of Billings	5	574	2.01
School District 2- Billings	6	457	1.58	Great Falls Public Schools	6	426	1.49
City of Missoula	7	444	1.53	Flathead County	7	392	1.37
Flathead County	8	404	1.39	School District 2- Billings	8	354	1.24
Butte Silver Bow	9	384	1.33	Cascade County	9	351	1.23
Yellowstone County	10	336	1.16	City of Great Falls	10	347	1.22
All Others		13,199	45.57	All Others		12,495	43.80
<b>Total</b>		<b>28,967</b>	<b>100.00</b>	<b>Total</b>		<b>28,525</b>	<b>100.00</b>

	6/30/2023			6/30/2014			
	Rank	# of Employees <sup>1</sup>	%	Rank	# of Employees <sup>1</sup>	%	
State of Montana <sup>2</sup>	1	59	100.00	State of Montana <sup>2</sup>	1	55	100.00
<b>Total</b>		<b>59</b>	<b>100.00</b>	<b>Total</b>		<b>55</b>	<b>100.00</b>

	6/30/2023			6/30/2014			
	Rank	# of Employees <sup>1</sup>	%	Rank	# of Employees <sup>1</sup>	%	
State of Montana <sup>2</sup>	1	230	100.00	State of Montana <sup>2</sup>	1	230	100.00
<b>Total</b>		<b>230</b>	<b>100.00</b>	<b>Total</b>		<b>230</b>	<b>100.00</b>

	6/30/2023			6/30/2014			
	Rank	# of Employees <sup>1</sup>	%	Rank	# of Employees <sup>1</sup>	%	
Missoula County	1	149	9.83	Missoula County	1	130	9.90
Yellowstone County	2	125	8.25	Yellowstone County	2	105	8.00
Cascade County	3	115	7.59	Cascade County	3	104	7.92
Gallatin County	4	113	7.46	Gallatin County	4	96	7.31
Flathead County	5	98	6.47	Flathead County	5	87	6.63
Lewis & Clark County	6	94	6.20	Lewis & Clark County	6	66	5.03
State Of Montana	7	69	4.55	State Of Montana	7	61	4.65
Ravalli County	8	58	3.83	Ravalli County	8	47	3.58
Lake County	9	46	3.04	Dawson County	9	46	3.50
Dawson County	10	39	2.57	Lake County	10	43	3.27
All Others		609	40.21	All Others		528	40.21
<b>Total</b>		<b>1,515</b>	<b>100.00</b>	<b>Total</b>		<b>1,313</b>	<b>100.00</b>

<sup>1</sup> Employee counts are based on June payrolls. Differences in employee counts in this schedule as compared to other Annual Report schedules are due to members with multiple employers, June 30th refunded members, and members with dual retirement system elections.

<sup>2</sup> For the purpose of the schedule the State of Montana is considered one employer.

## Public Employees' Retirement Board

*A Component Unit of the State of Montana*

### Principal Participating Employers (cont.)

Current Year and Nine Years Ago

	6/30/2023			6/30/2014		
	Rank	# of Employees <sup>1</sup>	%	Rank	# of Employees <sup>1</sup>	%
State of Montana	1	928	95.57	1	909	95.48
Montana State University- Bozeman	2	21	2.16	2	22	2.31
University of Montana	3	15	1.55	3	14	1.47
Montana State University- Billings	4	7	0.72	4	7	0.74
<b>Total</b>		<b>971</b>	<b>100.00</b>	<b>Total</b>	<b>952</b>	<b>100.00</b>

	6/30/2023			6/30/2014			
	Rank	# of Employees <sup>1</sup>	%	Rank	# of Employees <sup>1</sup>	%	
City of Billings	1	159	18.71	1	140	18.67	
City of Missoula	2	116	13.65	2	102	13.60	
City of Great Falls	3	87	10.24	3	84	11.20	
City of Bozeman	4	67	7.88	4	60	8.00	
City of Helena	5	50	5.88	5	51	6.80	
Butte Silver Bow	6	48	5.65	6	47	6.27	
City of Kalispell	7	41	4.82	7	33	4.40	
City Of Belgrade	8	26	3.06	Anaconda-Deer Lodge County	8	20	2.67
Anaconda-Deer Lodge County	9	21	2.47	City Havre	9	18	2.40
City of Whitefish	10	20	2.35	City of Whitefish	10	18	2.40
All Others		215	25.29	All Others		177	23.59
<b>Total</b>		<b>850</b>	<b>100.00</b>	<b>Total</b>	<b>750</b>	<b>100.00</b>	

	6/30/2023			6/30/2014			
	Rank	# of Employees <sup>1</sup>	%	Rank	# of Employees <sup>1</sup>	%	
City of Billings	1	138	17.38	1	113	18.08	
City of Missoula	2	94	11.84	2	91	14.56	
City of Great Falls	3	65	8.19	3	65	10.40	
Missoula Rural Fire District	4	54	6.80	City of Bozeman	4	45	7.20
City of Bozeman	5	47	5.92	City of Helena	5	35	5.60
City of Helena	6	41	5.16	Butte Silver Bow	6	34	5.44
Butte Silver Bow	7	38	4.79	Missoula Rural Fire District	7	34	5.44
Central Valley Fire District	8	36	4.53	City of Kalispell	8	30	4.80
City of Kalispell	9	33	4.16	City of Havre	9	17	2.72
Big Sky Fire Department	10	32	4.03	State of Montana	10	17	2.72
All Others		216	27.20	All Others		144	23.04
<b>Total</b>		<b>794</b>	<b>100.00</b>	<b>Total</b>	<b>625</b>	<b>100.00</b>	

#### VFCA

Participating employers is not applicable to VFCA because members are unpaid volunteers. In 2023, there were 228 VFCA qualified volunteer fire departments.

<sup>1</sup> Employee counts are based on June payrolls. Differences in employee counts in this schedule as compared to other Annual Report schedules are due to members with multiple employers, June 30th refunded members, and members with dual retirement system elections.

<sup>2</sup> For the purpose of the schedule the State of Montana is considered one employer.

## STATISTICAL SECTION

### Public Employees' Retirement Board

*A Component Unit of the State of Montana*

#### Principal Participating Employers (cont.)

Current Year and Nine Years Ago

<b>PERS-DCRP</b>				<b>6/30/2023</b>			<b>6/30/2014</b>		
	Rank	# of Employees <sup>1</sup>	%		Rank	# of Employees <sup>1</sup>	%		
State of Montana <sup>2</sup>	1	1,575	46.41	State of Montana <sup>2</sup>	1	1,022	46.27		
Missoula County	2	108	3.18	Yellowstone City-County Health Dept	2	73	3.30		
Yellowstone City-County Health Dept	3	97	2.86	Missoula County	3	62	2.81		
University of Montana	4	81	2.39	University of Montana	4	53	2.40		
Montana State University- Bozeman	5	76	2.24	City of Billings	5	52	2.35		
City of Billings	6	74	2.18	Montana State University- Bozeman	6	52	2.35		
City of Missoula	7	68	2.00	City of Missoula	7	31	1.40		
City of Bozeman	8	58	1.71	City of Bozeman	8	28	1.27		
Gallatin County	9	48	1.41	Gallatin County	9	26	1.18		
Yellowstone County	10	34	1.00	Flathead County	10	25	1.13		
All Others		1,175	34.62	All Others		785	35.54		
<b>Total</b>		<b>3,394</b>	<b>100.00</b>	<b>Total</b>		<b>2,209</b>	<b>100.00</b>		

<b>Deferred Compensation (457 (b) Plan)</b>				<b>6/30/2023</b>			<b>6/30/2014</b>		
	Rank	# of Employees <sup>1</sup>	%		Rank	# of Employees <sup>1</sup>	%		
State of Montana <sup>2</sup>	1	3,988	81.24	State of Montana <sup>2</sup>	1	4,096	87.17		
City of Helena	2	129	2.63	University of Montana	2	102	2.17		
University of Montana	3	116	2.36	Lewis & Clark County	3	101	2.15		
Yellowstone County	4	109	2.22	City of Helena	4	99	2.11		
Lewis & Clark County	5	81	1.65	Montana State University- Bozeman	5	57	1.21		
Montana State University- Bozeman	5	81	1.65	Great Falls Transit	6	32	0.68		
Great Falls Transit	7	48	0.98	Fallon County	7	26	0.55		
Fallon County	8	35	0.71	Sanders County	8	25	0.53		
School District 2 - Billings	9	22	0.45	Montana State University- Billings	9	20	0.43		
Sanders County	10	18	0.37	City of Polson	10	17	0.36		
All Others		282	5.74	All Others		124	2.64		
<b>Total</b>		<b>4,909</b>	<b>100.00</b>	<b>Total</b>		<b>4,699</b>	<b>100.00</b>		

<sup>1</sup> Employee counts are based on June payrolls. Differences in employee counts in this schedule as compared to other Annual Report schedules are due to members with multiple employers, June 30th refunded members, and members with dual retirement system elections.

<sup>2</sup> For the purpose of the schedule the State of Montana is considered one employer.









**Schedule of Participating Employers (continued)**

\*P - Defined Benefit PERS    \*J - Judges    \*G - Game Wardens    \*H - Highway Patrol    \*S - Sheriffs    \*M - Police    \*F - Firefighters  
 \*DC - Defined Contribution PERS    \*D - 457(b)

<b>Other Agencies (127)</b>										<b>All employers listed in this schedule contributed during FY 2023.</b>											
Anaconda Housing Authority	P									Flathead Municipal Airport Authority	P								DC		
Arlee-Lake County Water & Sewer	P								DC	Flathead Valley Community College	P								DC		
Bear Paw Cooperative	P									Fort Shaw Irrigation District	P										
Bert Mooney Airport Authority	P								DC	Frenchtown Rural Fire District	P						F				
Beaverhead Conservation District									D	Gallatin Airport Authority	P							DC	D		
Big Country Educational Cooperative	P									Gallatin Conservation District	P										
Big Fork County Water & Sewer	P									Gallatin-Madison Special Education Cooperative	P										
Big Horn Cemetery District #1	P									Gardiner-Park County Water District	P										
Big Mountain Fire District								F		Glasgow City/County Library									D		
Big Sky County Water & Sewer District #363	P								DC	D	Glasgow Housing Authority	P									
Big Sky Resort Area District										D	Glasgow Irrigation District	P							DC		
Big Sky Economic Development Authority	P								DC	Granite County Hospital & Nursing Home	P								DC		
Big Sky Fire Department								F	DC	Granite Conservation District	P										
Big Sky Special Education Cooperative	P									Great Divide Education Services	P										
Billings Housing Authority	P								DC	D	Great Falls Housing Authority	P							DC		
Bitterroot Conservation District	P								DC	Great Falls International Airport	P								DC		
Bitterroot Public Library	P								DC	Great Falls Transit									D		
Bitterroot Valley Community College	P								DC	Greenfields Irrigation District	P										
Bitterroot Valley Special Education Cooperative	P								DC	Hebgen Basin Rural Fire	P						F				
Broadwater Conservation District	P								DC	Helena Housing Authority	P								DC	D	
Buffalo Rapids Irrigation District #1	P									Helena Regional Airport Authority	P								DC	D	
Buffalo Rapids Irrigation District #2	P								DC	Helena Valley Irrigation District	P										
Butte Housing Authority	P								DC	Hill County Public Cemetery District	P										
Cabinet Mountain Cooperative	P								D	Hinsdale Water and Sewer District	P										
Cascade County Conservation District	P									Human Resources Council District XI	P									DC	
Center for Mental Health	P									Human Resources Council District XII	P									DC	
Central Montana Learning Resource Ctr	P								DC	Hyalite Rural Fire District	P							F			
Central Valley Fire District	P							F		Judith Basin Conservation District	P										
Chouteau County Conservation District	P									Lakeside County Water & Sewer	P									D	
Colstrip Park & Recreation District									D	Larchmont Golf Course	P										
Columbus Rural Fire District #3	P							F		Lewis & Clark Conservation District	P									D	
Corvallis County Sewer District	P									Lewis & Clark Library	P									DC	
Crown Hill Cemetery District	P									Liberty County Conservation District										DC	
Daly Ditches Irrigation District	P								DC	Lincoln Conservation District	P										
Dawson County Urban Transportation District	P									Lincoln County Rural Fire District	P										
Dawson Community College	P								DC	Lockwood Rural Fire District #8	P							F			
Deer Lodge County Head Start Program	P								DC	Lockwood Water & Sewer District	P									DC	
Drummond School & Community Library District	P									Madison Conservation District	P										
Dry Prairie Rural Water District	P								DC	Malta Cemetery District	P										
Dry Redwater Regional Water Authority	P									Malta Irrigation District	P										
Eastern Yellowstone County Special Education Cooperative	P									Meagher County Conservation District										DC	
Fergus County Conservation District	P									Miles Community College	P									DC	D
Flathead County Special Education Cooperative	P									Milk River Joint Board Control	P										
Flathead Conservation District	P								DC	D	Missoula Area Special Education Cooperative	P									

# STATISTICAL SECTION

## Schedule of Participating Employers (continued)

\*P - Defined Benefit PERS    \*J - Judges    \*G - Game Wardens    \*H - Highway Patrol    \*S - Sheriffs    \*M - Police    \*F - Firefighters  
 \*DC - Defined Contribution PERS    \*D - 457(b)

Other Agencies (continued)	All employers listed in this schedule contributed during FY 2023.																									
Missoula County Airport	P											DC		Prickly Pear Special Services Cooperative	P										DC	
Missoula Irrigation District	P													Rae Water & Sewer District	P											
Missoula Rural Fire District	P											F	DC	Red Lodge Rural Fire District 7	P								F	DC		
North Central Learning Special Education Cooperative	P													Richland County Housing Authority	P										DC	
North Lake County Public Library	P												DC	Ronan Library District	P											
North Valley Public Library District	P												DC	D	Roundup Community Library	P										
Northern Montana Joint Refuse Disposal District	P												DC	D	Seeley Lake Missoula County Water District	P									DC	D
Pablo-Lake County Water District	P													Seeley Lake Rural Fire District	P								F			
Park County Rural Fire District #1	P												DC	Sheridan-Daniels Special Education Cooperative											DC	
Park County Special Education Cooperative													DC	Sidney-Richland Airport Authority	P										DC	
Petroleum County Conservation District	P													Somers County Water & Sewer District	P										DC	
Philipsburg Area Community Library	P													Teton County Conservation District	P											
Phillips Conservation District													DC	Upper Musselshell Conservation District	P											
Pondera County Canal & Reservoir	P												DC	Valley County Conservation District	P											
Pondera County Cemetery District 2	P													Victor Water & Sewer	P											
Pondera County Conservation District														Whitefish Housing Authority	P											
Pondera Regional Port Authority	P													Yellowstone City-County Health Dept	P										DC	
Port of Montana — Port Authority	P													Yellowstone Mountain Club Rural Fire District									F			
Prairie County Hospital District	P												DC	Yellowstone-West Carbon Special Education Cooperative	P											
Prairie View Special Services Coop													DC													

Volunteer Fire Departments (228)	This list includes all qualified departments with MPERA under MCA 19-17-101	
Absarokee Volunteer Fire Dept	Elliston Volunteer Fire Dept	Plentywood Rural Volunteer Fire Dept
Absarokee-Nye Volunteer Fire Dept	Ennis & Madison Valley Rural Volunteer Fire Dept	Plevna Volunteer Fire Dept
Alder Volunteer Fire Dept	Eureka Rural Volunteer Fire Dept	Polson Rural Fire Company
Amsterdam Rural Volunteer Fire Dept	Evergreen Volunteer Fire Dept	Power Rural Volunteer Fire Dept
Arlee Volunteer Fire Dept	Fairfield Rural Volunteer Fire Dept	Racetrack Valley Fire District
Ashland Volunteer Fire Dept	Ferndale Volunteer Fire Dept	Racetrack Volunteer Fire Dept
Augusta Volunteer Fire Dept	Fisher River Fire Service Area	Red Lodge Rural Volunteer Fire Dept, Company 1
Avon Volunteer Fire Dept	Floral Park Volunteer Fire Dept	Red Lodge Luther Company 2
Bad Rock Volunteer Fire Dept	Florence Volunteer Fire Dept	Roberts Rural Fire District #6
Bainville Volunteer Fire Dept Dist #64	Fort Benton Rural Volunteer Fire Dept	Rocker Volunteer Fire Dept
Baker Rural Volunteer Fire Dept	Fort Ellis Rural Volunteer Fire Company	Rollins Volunteer Fire Dept
Basin Volunteer Fire Dept	Fort Shaw Rural Volunteer Fire Dept	Ronan Volunteer Fire Dept, Station 1
Baxendale Volunteer Fire Dept	Frenchtown Rural Volunteer Fire Dept, Station 1	Ronan Volunteer Fire Dept, Station 2 (Pablo)
Bear Paw Volunteer Fire Dept	Frenchtown Rural Volunteer Fire Dept, Station 2	Rudyard Volunteer Fire Dept
Belfry Volunteer Fire Dept	Frenchtown Rural Volunteer Fire Dept, Station 3	Sand Coulee Volunteer Fire Dept
Belt Rural Volunteer Fire Dept	Frenchtown Rural Volunteer Fire Dept, Station 4	Seeley Lake Volunteer Fire Dept
Big Arm Volunteer Fire Company	Frenchtown Rural Volunteer Fire Dept, Station 5	Shepherd Volunteer Fire Dept
Big Butte Volunteer Fire Dept	Gallatin Gateway Rural Volunteer Fire Dept	Sheridan Volunteer Fire Dept
Big Sandy Volunteer Fire Dept	Gallatin River Ranch Rural Fire District	Simms Volunteer Fire Dept
Bigfork Volunteer Fire Dept, Company A	Garrison Volunteer Fire Dept	Smith Valley Volunteer Fire Dept
Bigfork Volunteer Fire Dept, Company B	Gateway Hose Volunteer Fire Company	Somers Volunteer Fire Dept
Birdseye Rural Volunteer Fire Dept	Georgetown Lake Fire Service Area	Somers Volunteer Fire Dept, Lakeside Company
Black Eagle Volunteer Fire Dept	Geraldine Volunteer Fire Dept	South Kalispell Volunteer Fire Dept
Blaine County Rural Fire District, Chinook	Gore Hill Volunteer Fire Dept	South Toole County Volunteer Fire Dept
Blaine County Rural Fire District, Harlem	Grant Volunteer Fire Company	St. Ignatius Rural Volunteer Fire Dept
Blaine County Rural Fire District, Hogeland	Grasshopper Valley Volunteer Fire Company	St Labre Volunteer Fire Dept
Blankenship Rural Volunteer Fire Dept	Greenough/Potomac Volunteer Fire Dept	St Marie Rural Volunteer Fire Dept
Blue Creek Volunteer Fire Dept	Harrison Volunteer Fire Dept	St Regis Volunteer Fire Dept
Boulevard Volunteer Fire Dept	Hawk Creek Rural Volunteer Fire Dept	Stevensville, Burnt Fork Company

Schedule of Participating Employers (continued)

Volunteer Fire Departments (continued)		
Brady Volunteer Fire Dept	Heath Rural Fire District	Stevensville, Etna Company
Bridger Canyon Volunteer Fire Dept	Helmville Volunteer Fire Dept	Stevensville, Sunset Company
Broadus Volunteer Fire Dept	Heron Rural Fire District	Stevensville Westside Company
Broadwater County Rural Fire District, Duck Creek	Highwood Volunteer Fire Dept	Sula Rural Volunteer Fire Dept
Broadwater County Rural Fire District, Radersburg	Hilger Rural Fire District	Superior Volunteer Fire Dept
Broadwater County Rural Fire District, Toston	Hobson Rural Volunteer Fire Dept	Swan Lake Volunteer Fire Dept
Broadwater County Rural Fire District, Townsend	Home Atherton Volunteer Fire Dept	Swan Valley Volunteer Fire Company
Broadwater County Rural Fire District, Winston	Hot Springs Rural Fire District	Sweet Grass Volunteer Fire Dept, Company A
Bull Lake Volunteer Fire Dept	Hungry Horse Volunteer Fire Dept	Sweet Grass, Volunteer Fire Dept, Company B
Canyon Creek Fire District	Hyalite Volunteer Fire Dept	Terra Verde Heights Volunteer Fire Dept
Carter Volunteer Fire Dept	Irvine Flats Fire Company	Trego-Fortine-Stryker (TFS) Volunteer Fire Dept
Cascade Rural Volunteer Fire Dept	Jefferson City-Community Volunteer Fire Dept	Thompson Falls Rural Volunteer Fire Dept
Cataract Volunteer Fire Company	Jefferson Valley Volunteer Fire Dept	Three Forks Rural Volunteer Fire Dept
Centerville Volunteer Fire Dept	Joliet Volunteer Fire Dept	Three Mile Volunteer Fire Dept - Stevensville
Central Valley Fire Dept, Company A	Knees Volunteer Fire Dept	Treasure County Rural Volunteer Fire Dept
Central Valley Fire Dept, Company B	Lewis & Clark County Rural Volunteer Fire Dept	Tri-Lakes Volunteer Fire Dept, Company A
Central Valley Fire Dept, Company C	Lincoln County Rural Fire District #1	Tri-Lakes Volunteer Fire Dept, Company B
Charlo-Moiese Volunteer Fire Dept	Lima Rural Volunteer Fire Dept	Trout Creek Rural Volunteer Fire Dept
Chief Cliff Volunteer Fire Company	Lincoln Volunteer Fire Dept	Troy Rural Volunteer Fire Dept
Chouteau Rural Volunteer Fire Dept	Little Basin Creek Volunteer Fire Dept	Turner Volunteer Fire Dept
Clancy Volunteer Fire Dept	Loma Rural Volunteer Fire Dept	Twin Bridges Volunteer Fire Company
Clarks Fork Rural Volunteer Fire Dept	Lost Creek/Antelope Gulch Volunteer Fire Dept	Ulm Volunteer Fire Dept
Clinton Volunteer Fire Dept	Manchester Volunteer Fire Dept	Upper Yak Fire Service
Columbia Falls Rural Volunteer Fire Dept	Manhattan Rural Volunteer Fire Dept	Valier Volunteer Fire Dept
Columbus Rural Volunteer Fire Dept	Marion Volunteer Fire Dept	Valley County Long Run Volunteer Fire Dept
Conrad Rural Volunteer Fire Dept	Martin City Volunteer Fire Dept	Vaughn Rural Volunteer Fire Dept
Cooke City-Silver Gate Volunteer Fire Dept	Marysville Volunteer Fire Dept	Victor Rural Volunteer Fire Dept
Coram-West Glacier Volunteer Fire Dept	McCormick Rural Volunteer Fire Dept	Virginia City Rural Fire Department
Corvallis Rural Fire District	Medicine Lake Volunteer Fire Dept	West Fork Rural Fire District
Craig Volunteer Fire Dept	Melrose Volunteer Fire Dept	West Glendive Volunteer Fire Dept
Creston Volunteer Fire Dept, Company #1	Missoula Volunteer Fire Dept, Pumper Company 1	West Helena Valley Volunteer Fire Dept
Creston Volunteer Fire Dept, Company #2		
Lake Blaine	Molt Volunteer Fire Dept	West Kootenai Fire Protection Company
Culbertson Volunteer Fire Dept	Monarch Volunteer Fire Dept	West Valley Anaconda Volunteer Fire Dept
Custer County Fire Dept	Montana City Volunteer Fire Dept, Company 1	West Valley Kalispell Volunteer Fire Dept
Cut Bank Rural Volunteer Fire Dept	Montana City Volunteer Fire Dept, Company 2	Wheatland County Volunteer Fire Dept
Darby Volunteer Fire Dept	Monteclito Volunteer Fire District	Wibaux Volunteer Fire Dept
Dean Creek Volunteer Fire Dept	Musselshell County Rural Volunteer Fire Dept	Willow Creek Rural Volunteer Fire Dept
Dearborn Volunteer Fire Dept	North Toole County Volunteer Fire Dept	Wilsall Fire Department
Del Bonita Rural Volunteer Fire Company	Noxon Rural Fire District	Winifred Rural Volunteer Fire Dept
Denton Volunteer Fire Dept	Olney Rural Volunteer Fire Dept	Wisdom Rural Volunteer Fire Dept
Dillon Rural Volunteer Fire Dept, Company A	Opportunity Volunteer Fire Dept	Wise River Volunteer Fire Company
Dillon Rural Volunteer Fire Dept, Company B	Ovando Volunteer Fire Dept	Wolf Creek Volunteer Fire Dept
	Painted Rocks Fire & Rescue Volunteer Fire Company	
Dixon Rural Volunteer Fire Dept	Paradise Valley Fire Service	Wolf Point Rural Volunteer Fire Dept
Dutton Rural Volunteer Fire Dept	Park City Rural Volunteer Fire Dept #2	Worden Fire Dept - Company 1
East Missoula Rural Volunteer Fire Dept	Pendroy Rural Volunteer Fire Dept	York Fire Service Area
East Valley Volunteer Fire Dept	Phillips County Volunteer Fire Dept	
Eastgate Volunteer Fire Dept	Plains/Paradise Rural Volunteer Fire Dept	
Elk Park Volunteer Fire Dept		

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Paradise Valley in the Summer. Photo by Jacob W. Frank.

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