

A photograph of a rustic wooden fence made of weathered logs and posts, set in a lush green field. In the background, there is a dense forest of tall evergreen trees under a clear blue sky. The scene is brightly lit, suggesting a sunny day. The image is framed by a thick blue border with decorative white and black striped patterns on the left and right sides.

ANNUAL REPORT

2022

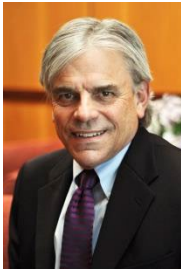
MONTANA
BOARD OF INVESTMENTS

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Special Note: The numbers within this annual report are unaudited and may be subject to change in the audit process. The audited Unified Investment Program and Enterprise Fund Financial Statements will be made available once the Legislative Audit Division issues the Audit Opinions. Once issued, the Legislative Audit Division will have both Audit Opinions available online at [Legislative Audit Division Audit Opinions](#) by selecting Board of Investments under Agency and the Board's website [Annual Reports & Audits](#) will contain a link.

BOARD MEMBERS



Karl Englund
Board
Chairman
Representing
Law
Term Ending
1/1/2023



Jack Prothero
Vice Chairman
Representing
Financial
Term Ending
1/1/2025
Committees:
• Loan Chair
• HR



Mark Barry
Representing
Financial
Term Ending
1/1/2025
Committees:
• Audit
• Loan



Teresa Olcott
Cohea
Representing
Financial
Term Ending
1/1/2023
Committees:
• HR Chair
• Loan



Diane Fladmo
Representing
Labor
Term Ending
1/1/2023
Committees:
• Audit
• HR



Jeff Meredith
Representing
Small Business
Term Ending
1/1/2025
Committee:
• Loan



Bruce Nelson
Representing
Agriculture
Term Ending
1/1/2023
Committees:
• Audit
• HR
• Loan



Maggie Peterson
Representing
PERS
Term Ending
1/1/2025
Committees:
• Audit Chair
• HR



Daniel Trost
Representing
TRS
Term Ending
1/1/2025
Committee:
• Audit

NON-VOTING LEGISLATIVE LIAISONS



Representative
Ken Walsh
House of
Representatives
Liaison
Term Ending
1/1/2023



Senator
Ryan Lynch
Senate Liaison

Term Ending
1/1/2023

BOARD OF INVESTMENTS STAFF



- ❖ Dan Villa, Executive Director
- ❖ Jon Putnam, CFA, CAIA, FRM, Chief Investment Officer
- ❖ Peggy MacEwen, SPHR, SHRM-SCP, Deputy Director

- ❖ Polly Boutin, Associate Financial Manager
- ❖ Jason Brent, CFA, CAIA, Director of Public Markets
- ❖ John Carpenter, CPA, Investment Analyst – Fixed Income
- ❖ Roberta Diaz, Investment Accountant
- ❖ Julie Feldman, CPA, Financial Manager/Comptroller
- ❖ Kelsey Gauthier, CPA, Investment Analyst – Fixed Income
- ❖ Kirsten Haswell, Investment Officer – Fixed Income
- ❖ Doug Hill, Director of In-State Loans
- ❖ Mathew Hoffman, Investment Analyst – Investment Operations
- ❖ Sam Holman, Investment Accounting
- ❖ Ian Horwood, CFA, Investment Analyst – Private Investments
- ❖ Tim House, Investment Analyst – Investment Operations
- ❖ Ethan Hurley, CAIA, Director of Real Estate/Real Assets
- ❖ Sheli Jacoby, Investment Accountant
- ❖ Teri Kolnik, CFA, Investment Analyst – Investment Operations
- ❖ Eron Krpan, CFA, CIPM, Director of Investment Operations
- ❖ Tammy Lindgren, Investment Accountant
- ❖ Mark Lodman, Network Administrator
- ❖ Savannah Morgan, Office Manager
- ❖ John Romasko, CFA, Director of Fixed Income
- ❖ Peggy Saarela, Administrative Assistant/Credit Analyst
- ❖ Rob Sampson, Investment Analyst – Real Estate/Real Assets
- ❖ Steve Strong, CFA, Investment Analyst – Public Markets
- ❖ Brenda Thomas, Investment Accountant
- ❖ Louise Welsh, Senior Bond Program Officer
- ❖ Dan Whyte, Chief Legal Counsel
- ❖ Thomas Winkler, CAIA, Director of Private Investments
- ❖ Daniel Zarling, CFA, CIPM, Director of Risk Management

- ❖ Investment Officer – Private Investments - VACANT

UNIFIED INVESTMENT PROGRAM

Montana's State Constitution requires that the state's financial assets be managed through the Unified Investment Program. The Board of Investments was established by the Montana Legislature to carry out that mandate. The Board manages the state's investments within those constitutional and statutory guidelines.

As of June 30, 2022, the Board of Investments managed approximately \$25.5 billion in pension funds, trust funds, insurance reserves, and state operating funds, and certain local government funds. Within these broad categories, a combination of investment pools and separately managed investments are utilized to meet the financial goals and expectations of the agencies and entities which entrust those funds to the Board. The Board approves all Investment Policy Statements (IPS). The Board's portfolio is available for viewing on its [FY2022 Investment Holdings](#) webpage.

Total Fund Fiduciary Net Position Held in Trust for Participants (In Millions)

Fund Type	STIP	TFIP	CAPP	SMA	STIP in Pool	STIP Reserve	Grand Total
Pension Funds	\$ 136.7	\$ 0.0	\$13,351.6	\$ 0.0	\$ 0.0	\$ 0.0	\$13,488.3
Trust Funds	86.4	1,600.3	0.0	0.5	0.0	0.0	1,687.2
Coal Sev. Tax Trust	24.8	960.0	0.0	190.1	0.0	0.0	1,174.9
Insurance Reserves	347.3	55.7	0.0	1,445.3	0.0	0.0	1,848.3
Operating Funds	6,904.4	212.5	0.0	78.7	0.0	0.0	7,195.6
STIP in Pool	70.3	0.0	0.0	0.0	(70.3)	0.0	0.0
STIP Reserve		0.0	0.0	0.0	0.0	57.1	57.1
STIP Apprec./Deprec.	1.3	0.0	0.0	0.0	0.0	0.0	1.3
6/30/2022	\$ 7,571.2	\$2,828.5	\$13,351.6	\$1,714.6	\$ (70.3)	\$ 57.1	\$25,452.7

Table Comments: The table represents the amount each fund type has invested in the Short-Term Investment Pool (STIP), Trust Fund Investment Pool (TFIP), Consolidated Asset Pension Pool (CAPP), and Separately Managed Accounts (SMA). The amounts presented include receivable and payable accruals. Appreciation/depreciation on STIP Pool assets classified as Cash and Cash Equivalents reported at cost on the financial statements.

ASSET MANAGEMENT

Internal and External - Approximately 49% of the Board's investments are managed internally by the Board's own investment staff. Assets managed internally are often lower risk assets that can be better managed "in-house" to limit costs. The remaining assets are managed externally by professional investment managers in a variety of asset classes. Utilizing the professional and often specialized expertise of these external managers, the Board seeks to maximize the return available from a variety of market options. External managers are carefully selected and monitored by the Board's staff.

Active and Passive - Approximately 79% of the investments are actively managed. The majority of the actively managed assets are fixed income assets managed internally by the Board at a lower cost than likely possible by an external manager managing a passive mandate.

PENSION FUNDS

Managing Pension Investments requires a skillful balance of:

- Maximizing long-term returns
- Analyzing plan liquidity needs
- Managing risks
- Controlling costs

The Board of Investments manages the Pension Funds of nine separate retirement plans that provide retirement benefits for public employees of state and local government entities. The two largest of these funds are the Public Employees' Retirement System (PERS) and the Teachers' Retirement System (TRS). The retirement system assets are invested within the Short-Term Investment Pool (STIP) and the Consolidated Asset Pension Pool (CAPP) discussed in further detail in the Investment Pools' section of this report.

Pensions Fiduciary Net Position Held in Trust for Participants (In Millions)

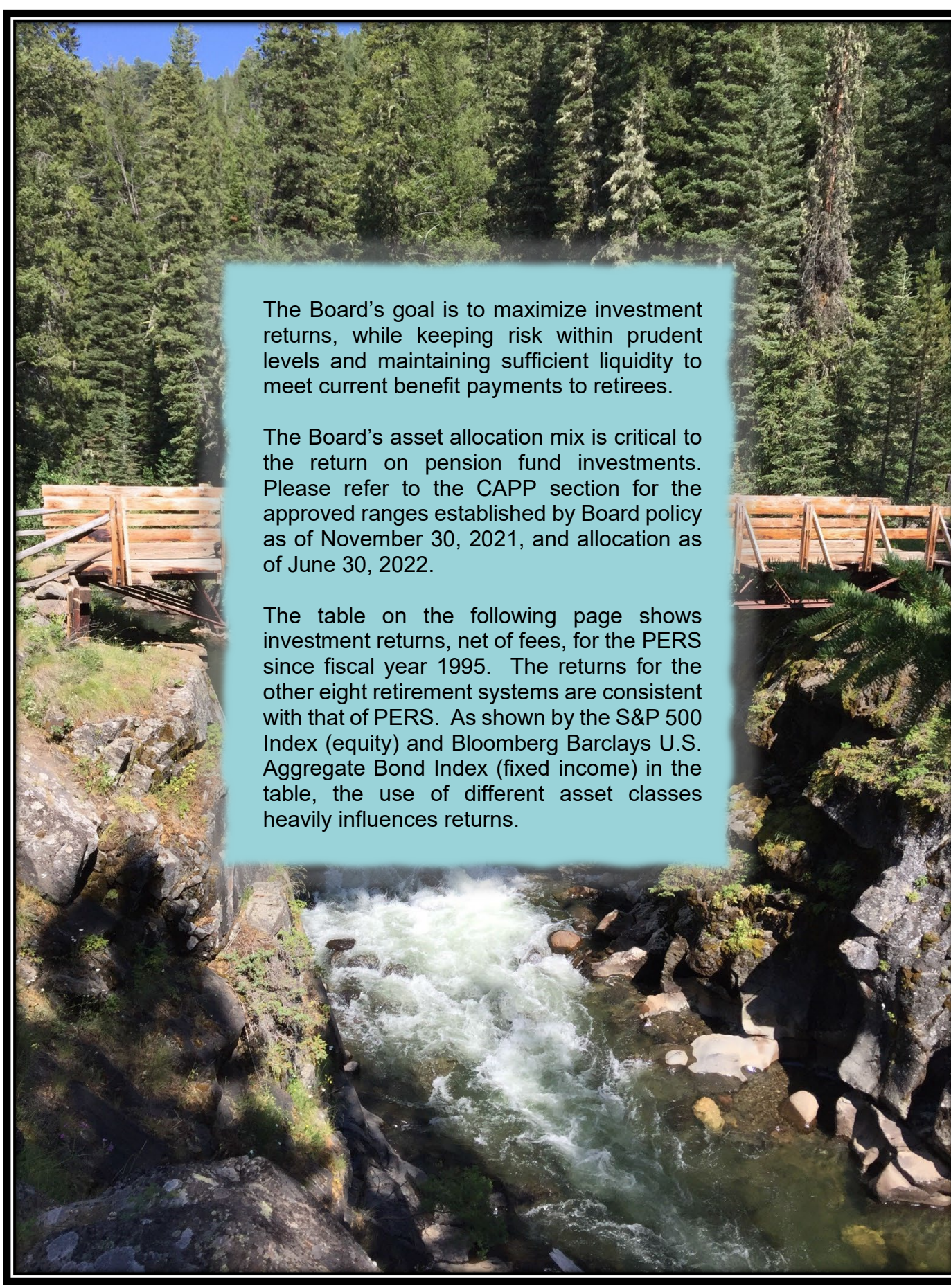
Fund Name	STIP	CAPP	Grand Total
Public Employees' Retirement	\$ 67.9	\$ 6,571.3	\$ 6,639.2
Teachers' Retirement	43.8	4,645.9	4,689.7
Firefighters' Retirement	6.0	563.5	569.5
Police Retirement	5.5	518.8	524.3
Sheriffs' Retirement	4.8	454.7	459.5
Game Wardens' Retirement	2.6	257.2	259.8
Highway Patrol Retirement	1.8	173.3	175.1
Judges	1.3	122.8	124.1
Vol. Firefighters' Retirement	3.0	44.1	47.1
6/30/2022	\$ 136.7	\$ 13,351.6	\$ 13,488.3

Table Comments: The amounts presented include receivable and payable accruals.

Pension funds are by their nature, long-term funds and require a long-term view when making investment decisions. Prudence, patience, and professional discipline are hallmarks of the Board's investment process.

Factors considered in managing pension investments include long-term growth (expected rates of return), liquidity needs (how readily convertible to cash), risk (multi-dimensional), and cost. The Board addresses these factors through a strong governance model that requires the Board to engage annually in a review and confirmation of asset allocation.

During the review of asset allocation, the Board examines historic market performance, trends, and long-term economic forecasts. Careful study of more specific considerations related to individual asset classes, including costs, risks, potential returns, and the correlations between asset classes is conducted.



The Board's goal is to maximize investment returns, while keeping risk within prudent levels and maintaining sufficient liquidity to meet current benefit payments to retirees.

The Board's asset allocation mix is critical to the return on pension fund investments. Please refer to the CAPP section for the approved ranges established by Board policy as of November 30, 2021, and allocation as of June 30, 2022.

The table on the following page shows investment returns, net of fees, for the PERS since fiscal year 1995. The returns for the other eight retirement systems are consistent with that of PERS. As shown by the S&P 500 Index (equity) and Bloomberg Barclays U.S. Aggregate Bond Index (fixed income) in the table, the use of different asset classes heavily influences returns.

Average	PERS Actual Net Return	S&P 500 Index Total Return	Bloomberg US Aggregate Bond Index
28 Years	7.71%	10.04%	4.80%

Fiscal Year	PERS	S&P 500	Bloomberg
FY22	-3.60%	-10.62%	-10.29%
FY21	27.72%	40.79%	-0.33%
FY20	2.71%	7.51%	8.74%
FY19	5.70%	10.42%	7.87%
FY18	8.84%	14.37%	-0.40%
FY17	11.94%	17.90%	-0.31%
FY16	2.07%	3.99%	6.00%
FY15	4.58%	7.42%	1.86%
FY14	17.16%	24.61%	4.37%
FY13	13.04%	20.60%	-0.69%
FY12	2.41%	5.45%	7.47%
FY11	21.79%	30.69%	3.90%
FY10	12.87%	14.43%	9.50%
FY09	-20.69%	-26.22%	6.05%
FY08	-4.86%	-13.12%	7.12%
FY07	17.96%	20.59%	6.12%
FY06	9.07%	8.63%	-0.81%
FY05	8.13%	6.32%	6.80%
FY04	13.43%	19.11%	0.32%
FY03	6.61%	0.26%	10.40%
FY02	-7.29%	-17.99%	8.63%
FY01	-5.08%	-14.83%	11.23%
FY00	7.93%	7.25%	4.56%
FY99	12.08%	22.75%	3.15%
FY98	16.63%	30.15%	10.54%
FY97	19.63%	34.69%	8.15%
FY96	12.60%	25.99%	5.02%
FY95	16.33%	26.07%	12.55%

Table Comments: FY01- FY02 Collapse of the dot com bubble.
FY08-FY09 Global Financial Crisis.
FY22 Higher global interest rates.

The Board reviews absolute return performance, performance to internally established benchmarks, and performance to its peers. The Board utilizes independent comparisons of its performance and costs to that of other large public pension systems. The most recent report comparing costs and performance may be found on the Board's website at: [CEM Benchmarking Report](#).

TRUST FUNDS

The Board invests over \$2.8 billion for 59 trust funds, some of which were created and protected by the State Constitution. Other trusts have been created statutorily by the legislature or involve federal funds. Several trust funds were established as part of settlements between the state and private corporations to ensure environmental clean-up of polluted sites.

COAL SEVERANCE TAX TRUST FUND

Article IX, Section 5 of the State Constitution requires that 50% of all coal severance tax revenues be deposited in a permanent trust fund (Coal Trust), in which the principal "shall forever remain inviolate unless appropriated by vote of three-fourths (3/4) of the members of each house of the legislature." The Board is encouraged to invest 25% of the Coal Trust in the Montana economy with emphasis on new or expanding businesses.

Over the years, the legislature has partitioned the Coal Trust into several sub-trust funds beginning with the Permanent Fund, then the Severance Tax Bond Fund, the Montana Coal Endowment Fund, the Montana Coal Endowment Regional Water Fund, the Big Sky Economic Development Fund, and the School Facilities Fund. The School Facilities Fund is receiving 75% of the coal severance tax revenue until its fund balance reaches \$200 million. The remaining 25% dedicated to the Big Sky Economic Development Fund terminates June 30, 2035.

The interest earnings are legislatively appropriated as follows:

- Permanent Fund and the Severance Tax Bond Fund income is transferred periodically to the state general fund.
 - Effective July 1, 2019, on July 1 of each year, up to \$24 million of the interest income that is transferred to the general fund is statutorily appropriated to the Public Employees' Retirement System Defined Benefit Plan Trust Fund.
- Montana Coal Endowment Fund income is appropriated for local government infrastructure projects.
- Montana Coal Endowment Regional Water Fund income is appropriated for local government water projects.
- Big Sky Economic Development Fund income is appropriated for economic development projects.
- School Facilities Fund income is appropriated for school facility projects.

The fair values of the Coal Trust sub-trust funds are shown below:

Coal Severance Tax Trust Fund
Fiduciary Net Position Held in Trust for Participants (In Millions)

Sub-Trust Fund Name	STIP	TFIP	SMA	Grand Total
Permanent Fund	\$ 13.0	\$ 363.8	\$ 190.1	\$ 566.9
Montana Coal Endowment Fund	3.1	280.3	0.0	283.4
Big Sky Economic Development Fund	2.9	128.5	0.0	131.4
Montana Coal Endowment Regional Water Fund	1.2	97.0	0.0	98.2
School Facilities Fund	3.9	90.4	0.0	94.3
Severance Tax Bond Fund	0.7	0.0	0.0	0.7
6/30/2022	\$ 24.8	\$ 960.0	\$ 190.1	\$ 1,174.9

Table Comments: The amounts presented include receivable and payable accruals.

The table below reflects the Separately Managed Accounts (SMA) held by the Coal Trust. The Board uses the In-State Loan Program to invest a portion of the Coal Trust in compliance with state law. The pages to follow provide more detail on the program and the various financing options available.

Coal Trust – SMA
Fiduciary Net Position Held in Trust for Participants (In Millions)

Montana Mortgages and Loans	Permanent Coal Trust
In-State Loans and Mortgages:	
Business Loan Participation Program	\$ 100.5
Veterans' Home Loan Program	47.2
Infrastructure Loan Program	11.2
Multifamily Coal Trust Homes Loan Program	5.8
Intermediary Relending Loan Program	4.9
Montana Facility Finance Authority	12.7
Montana Science & Technology Alliance	7.8
6/30/2022	\$ 190.1

Table Comments: The amounts presented include receivable and payable accruals.

Coal Severance Tax Permanent Sub-Trust Fund In-State Loan Programs

Over the years, the Montana Legislature has directed that the Board provide certain financial incentives, typically at below-market interest rates, to certain borrowers who meet the program requirements set in law.

The In-State Loan Program was created in 1984 as part of the “Build Montana” program. The program invests Coal Severance Tax Trust (Coal Trust) funds in Montana to stimulate the state's economy. State law authorizes the Board to invest Coal Trust dollars in Montana to increase employment and business opportunities while maintaining and improving the state's physical environment.

The In-State Loan Program balances are provided on the previous page in the Coal Tax – SMA table.

Loan Types – Four different loan types are available in the In-State Loan Program, some of which offer a job credit interest rate reduction equal to 0.05% for each qualifying job created, up to a maximum reduction of 2.5%.

- The ***Business Loan Participation Program*** allows the In-State Loan Program to participate up to 80% in a loan originated by an approved lender. Unencumbered land, buildings, and equipment may be financed with the loan proceeds.
- The ***Infrastructure Loan Program*** provides loans to eligible local governments for constructing or purchasing infrastructure to be used by a basic sector business. Total loans outstanding in this program are limited by law to \$80 million.
- The ***Intermediary Relending Loan Program*** provides loans to local economic development organizations with revolving loan programs. Individual loans may not exceed \$500,000 and total loans outstanding in this program are limited by law to \$10 million.
- The ***Value-Added Loan Program*** provides low interest loans to value-added type businesses that create or retain jobs. Total loans outstanding in this program are limited by law to \$70 million.

Additionally, the Board assists in implementing the following two programs with the Montana Board of Housing:

- The ***Veterans' Home Loan Program*** provides low interest loans for Montana Veterans who are first-time home buyers. By law, the Montana Board of Housing administers and approves the loans. The Board funds the approved loans. Total loans outstanding are limited by law to \$50 million.
- The ***Multifamily Coal Trust Homes Loan Program*** provides low interest loans for the development and preservation of homes and apartments to assist eligible low-income and moderate-income applicants. By law, the Montana Board of Housing administers and approves the loans. The Board funds the approved loans. Total loans outstanding in this program are limited by law to \$15 million.

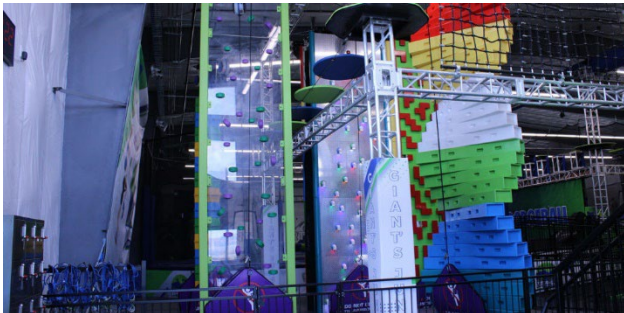
In-State Loan Program Highlights



The Flying Giant Adventure Park is a trampoline center located in Helena, Montana.



The Board's In-State Business Loan Participation Program participated in 50% of a \$1,359,972 loan to provide a 10-year fixed rate to purchase equipment.



The Sinclair Travel Plaza is a convenience store, fuel, and repair station located in Gardiner, Montana.



The Board's In-State Business Loan Participation Program participated in 75% of a \$4,425,000 loan to provide long term financing.



OTHER TRUST FUNDS

Other Trust Funds Fiduciary Net Position Held in Trust for Participants (In Millions)

Fund Name	STIP	TFIP	SMA	Grand Total
Abandoned Mine Trust	\$ 6.7	\$ 0.0	\$ 0.0	\$ 6.7
Barker Hughesville Site Response	0.9	8.1	0.0	9.0
Belt Water Treatment Plant Fund	3.1	23.4	0.0	26.5
Butte Area One Restoration	1.2	5.3	0.0	6.5
Butte-Silver Bow Redevelopment Trust	1.5	12.3	0.0	13.8
Clark Fork River Restoration Trust	5.4	22.6	0.0	28.0
Clark Fork Site Response	1.0	57.9	0.0	58.9
Coal Tax Park Acquisition Fund	2.2	28.0	0.0	30.2
Cultural Trust	0.5	15.6	0.0	16.1
East Helena Compensation Fund	3.1	0.9	0.0	4.0
East Helena Greenway Trail	0.3	0.7	0.0	1.0
Endowment For Children	0.1	1.3	0.0	1.4
Fish, Wildlife and Parks Mitigation	3.1	7.2	0.5	10.8
Flying J CECRA Facilities Fund	0.3	2.3	0.0	2.6
Harold Hamm Endowment	0.0	0.0	0.0	0.0
Invasive Species Trust Fund	0.0	2.6	0.0	2.6
Libby Asbestos Site State Cost	0.7	4.3	0.0	5.0
Luttrill Pit Operations and Maintenance	0.5	1.8	0.0	2.3
Montana Historical Society Trusts	0.7	3.0	0.0	3.7
Montana Pole Superfund	2.8	20.1	0.0	22.9
Noxious Weed Management Trust	0.0	10.8	0.0	10.8
Older Montanans Trust	0.0	0.3	0.0	0.3
Potter Trust Fund	0.0	0.2	0.0	0.2
Public School Trust	0.0	831.5	0.0	831.5
Real Property Trust	0.4	6.9	0.0	7.3
Resource Indemnity Trust	0.0	110.9	0.0	110.9
Smelter Hill Uplands Restoration Fund	1.3	7.6	0.0	8.9
Streamside Tailings Fund	2.0	15.2	0.0	17.2
Tobacco Trust	5.0	290.8	0.0	295.8
Upper Blackfoot Response	1.1	0.1	0.0	1.2
UCFRB Reserve Fund	0.3	21.4	0.0	21.7
UCFRB Restoration Fund	2.2	69.0	0.0	71.2
Wildlife Habitat Trust	0.9	14.9	0.0	15.8
Yellowstone Pipeline Cleanup Fund	3.2	3.3	0.0	6.5
Zortman/Landusky Trust	20.3	0.0	0.0	20.3
Zortman/Landusky Water	15.6	0.0	0.0	15.6
6/30/2022	\$ 86.4	\$ 1,600.3	\$ 0.5	\$ 1,687.2

Table Comments: The amounts presented include receivable and payable accruals.

[Other Trust Funds Descriptions \(click here\)](#)

INSURANCE RESERVES

The Board invests approximately \$1.9 billion for several insurance programs. The State Compensation Insurance Fund (Montana State Fund) owns the largest dollar value of such securities and is discussed in more detail on the next page. The fair values of the insurance reserves are shown below:

Insurance Reserves Fiduciary Net Position Held in Trust for Participants (In Millions)

Fund Name	STIP	TFIP	SMA	Grand Total
Montana State Fund	\$ 13.8	\$ 0.0	\$ 1,434.8	\$ 1,448.6
Other Insurance Funds:				
Agency Insurance	143.1	0.0	0.0	143.1
Employee Group Benefits	86.0	38.3	2.3	126.6
Montana University System Group Ins.	75.1	13.3	1.8	90.2
MUS Workers Compensation	11.5	4.1	0.0	15.6
Unemployment Insurance Benefits	11.9	0.0	0.0	11.9
Defined Contribution Disability	0.7	0.0	6.4	7.1
Uninsured Employers	2.6	0.0	0.0	2.6
Hail Insurance	1.7	0.0	0.0	1.7
Subsequent Injury	0.9	0.0	0.0	0.9
6/30/2022	\$ 347.3	\$ 55.7	\$ 1,445.3	\$ 1,848.3

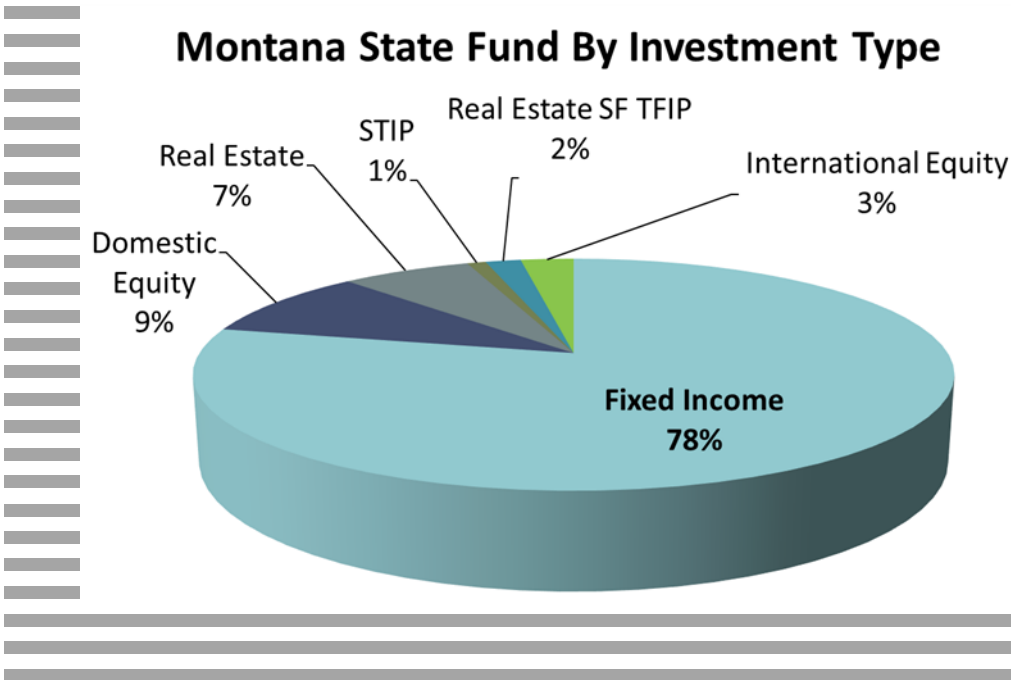
Table Comments: The amounts presented include receivable and payable accruals.

[Other Insurance Funds Descriptions \(click here\)](#)

MONTANA STATE FUND

The Montana State Fund (MSF) provides workers’ compensation and occupational disease insurance for claims arising from workplace injuries or illnesses. The investment returns for the MSF shown below are net of fees. The MSF’s portfolio balances are provided on the previous page. The Board managed approximately \$1.5 billion in investments on behalf of the MSF as of June 30, 2022.

Montana State Fund Returns	1-Year	2-Year	10-Year
	-5.93%	-0.35%	3.43%



OPERATING FUNDS

Statutes limit where most state agency funds may be invested. Agencies must have the legal authority to invest separately from the State's general cash account (the State Treasurer's Fund) and invest in the STIP. An agency may have funds other than ordinary operating monies that can prudently have a longer-term investment outlook and have an opportunity for better returns. The TFIP or SMA are available to meet those needs.

Operating Funds Fiduciary Net Position Held in Trust for Participants (In Millions)

Fund Name	STIP	TFIP	SMA	Grand Total
State Treasurer's Fund	\$ 4,167.2	\$ 90.3	\$ 71.0	\$ 4,328.5
Local Governments	1,807.8	0.0	0.0	1,807.8
State Agency	712.3	0.0	0.0	712.3
Montana State University-Bozeman	121.0	59.8	0.0	180.8
University of Montana-Missoula	53.9	30.4	4.7	89.0
FWP License	34.3	31.2	3.0	68.5
Montana Technological University	7.8	0.5	0.0	8.3
Montana Historical Society	0.1	0.3	0.0	0.4
6/30/2022	\$ 6,904.4	\$ 212.5	\$ 78.7	\$ 7,195.6

Table Comments: The amounts presented include receivable and payable accruals.

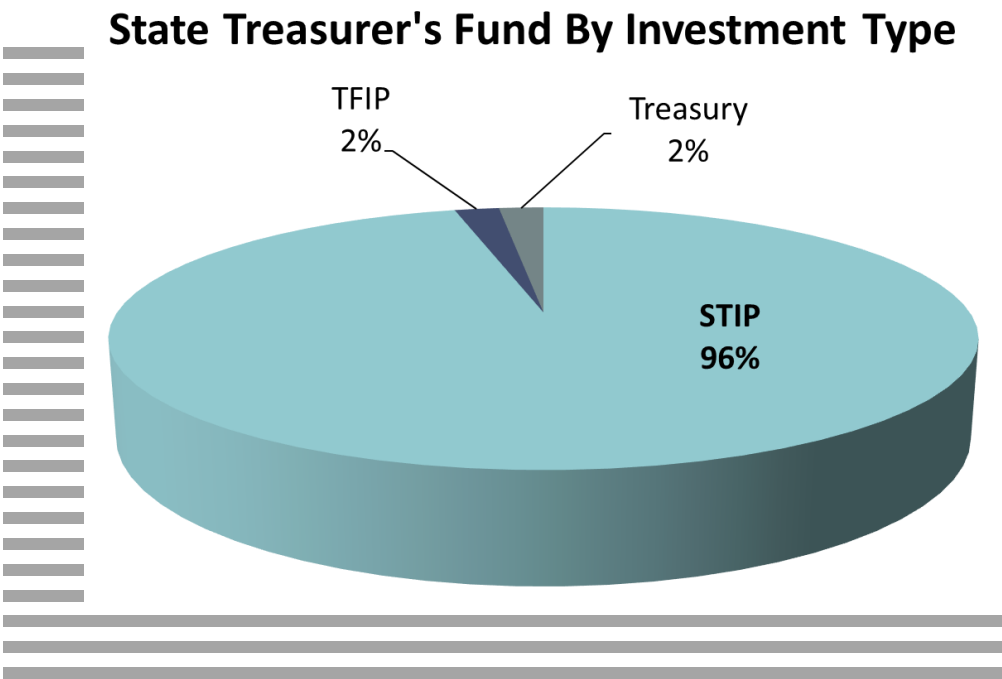
[Operating Funds Descriptions \(click here\)](#)

Although state agencies with accounts that retain their interest earnings are legally required to invest in the STIP, local government entities can by statute voluntarily invest in the STIP as provided in Section 17-6-204, MCA.

STATE TREASURER’S FUND

The State Treasurer’s Fund is comprised of cash in all state accounts that do not retain their investment earnings. All earnings are deposited into the state general fund. State law authorizes the Board to determine the amount of surplus cash in the State Treasurer’s Fund to be invested and the type of investments to be made. The fund is managed to maximize income, rather than for total rate of return. This fund is a major participant in STIP since 1973 when the STIP was created. The investment returns shown below are net of fees. The State Treasurer’s Fund investment balance as of June 30, 2022, was approximately \$4.3 billion.

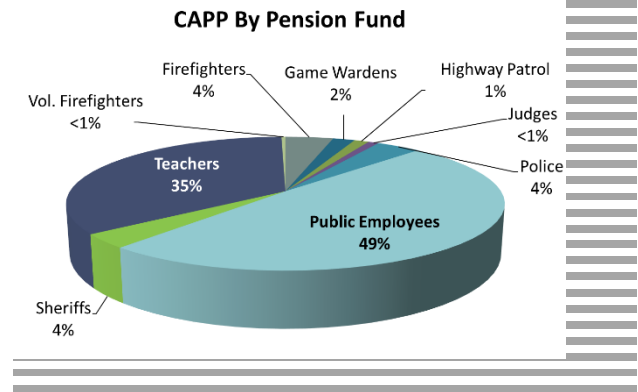
State Treasurer’s Fund	1-Year	2-Year	10-Year
Returns	0.07%	0.13%	0.76%



INVESTMENT POOLS

Consolidated Asset Pension Pool (CAPP)

The Board's CAPP is only used by the pension systems. There are currently eight approved pension asset classes (PAC) held within this combined investment pool. All pension funds are invested prudently with the diversification necessary to mitigate risk. All pension assets are governed by a Board approved investment policy statement that includes asset allocation policy categories and ranges established by the Board.



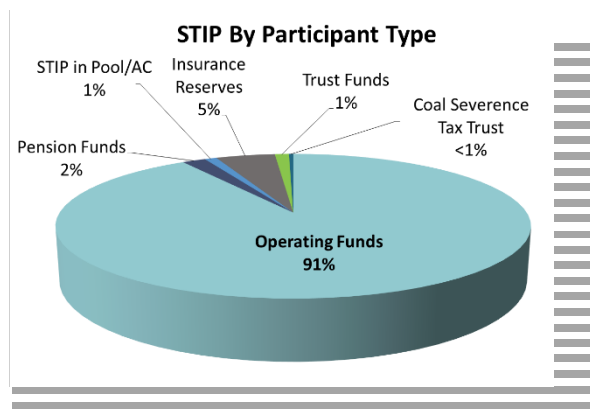
CAPP Asset Allocations

Pension Asset Class	Range Low	Range High	Allocation as of 6/30/22
Domestic Equities	24%	36%	28.0%
Private Investments	11%	19%	17.2%
International Equities	12%	22%	16.1%
Core Fixed Income	9%	19%	13.5%
Real Estate	6%	14%	12.6%
Non-Core Fixed Income	5%	9%	5.9%
Real Assets	2%	8%	5.5%
Cash	0%	5%	1.4%

Table Comments: The combined cash at the plan level and the CAPP level is subject to the range. Montana Public Retirement Plans shall have no greater than 5% of the Net Asset Value managed by any one external manager using an active investment strategy.

Short-Term Investment Pool (STIP)

Created in 1973, the Board's STIP is used by state agencies, local governments, and the retirement systems as an alternative to idle cash. The STIP investments are short-term, highly liquid, and among the safest obtainable. Although not a money market fund, the STIP is structured in a similar way. Its yield tends to be higher than average money market yields due to lower expenses and an ability to make some investments in securities with slightly longer maturities. The chart to the right shows the percent of shares by participant type as of June 30, 2022.



STIP Asset Allocations

Asset Class	% as of 6/30/22
Commercial Paper	58.6%
Federal Agencies	17.3%
Certificates of Deposit	10.0%
Treasury	7.2%
Corporate Notes	3.4%
Money Market Funds	2.5%
Cash/Cash Equivalents	1.0%

Table Comments: STIP's cash and cash equivalents generally are short-term, highly liquid investments with maturities of three months or less at the time of purchase measured at cost and fair value.

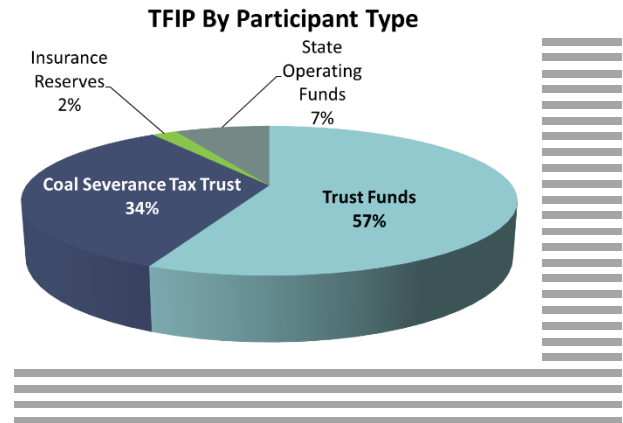
The STIP is not Federal Deposit Insurance Corporation (FDIC) insured, otherwise insured, or guaranteed by the federal government, the state of Montana, the Board, or any other entity against investment losses. The Board maintains a reserve fund to offset possible losses and limits fluctuations in the STIP's Fiduciary Net Position Held in Trust for Participants.

The STIP provides participants ready access to cash. Shares are transacted at \$1.00. Fractional shares may be purchased and participants may buy or sell shares with one business day notice. The nearly \$7.6 billion in pool investments are managed by Board staff. There were over 534 accounts invested in the STIP during the year including 181 local government accounts. All investments are made by Board staff and all income is distributed to participants on the first day of the month. The pool reported net earnings for state and local government agencies of \$11.2 million (unaudited) in Fiscal Year 2022.

Trust Funds Investment Pool (TFIP)

Created in 1995, the TFIP is designed to provide participants exposure to a portfolio of income-producing assets. The use of a commingled pool allows for simplified investing and accounting, broader diversification, and thus less risk than would otherwise be available for individual participants.

The TFIP participants consist primarily of the state's trust funds. Each account participating in the TFIP is separately identified for accounting and recordkeeping purposes. The Board invests approximately \$2.8 billion for 59 trust funds, some of which were created and protected by the state Constitution. Other trusts have been created statutorily by the legislature or involve federal funds. Several trust funds were established as part of settlements between the state and private corporations to ensure environmental clean-up of polluted sites.



TFIP Asset Allocations

Asset Class	% as of 6/30/22
Corporate	24.5%
Core Real Estate	23.7%
Government-Related	14.5%
Treasury	14.4%
Securitized	12.1%
High Yield	6.7%
Real Estate	3.2%
Cash	0.9%

Current income is important to these participants and the pool is managed for income generation rather than total rate of return. Income distributed includes interest accruals, discount/premium, accretion/amortization, and net securities lending income. The TFIP invests directly in the Asset Classes shown in the table above. Each Asset Class has an underlying set of investment objectives and investment guidelines. All realized capital gains and losses are retained in the pool.

IN-STATE INVESTMENTS AND BOND GUARANTEES

In addition to the Board's In-State Loan Program, the Montana Legislature authorized other programs to use coal tax monies from various sub-funds. The Montana related investments made in the state including the Board's bond guarantees are shown in the table below. The In-State Loan Program balances are provided in the Coal Severance Tax Trust Fund section, Coal Tax – SMA table of this report.

Montana Related Investments Made in the State of Bond Guarantees Fiduciary Net Position Held in Trust for Participants (In Millions)

Investment	SMA	CAPP	TFIP	Bond Guarantees	Grand Total
Coal Severance Tax Trust Fund:					
In-State Loan Program	\$169.6	\$ 0.0	\$ 0.0	\$ 0.0	\$ 169.6
Montana Facility Finance Authority Loans	12.7	0.0	0.0	0.0	12.7
Montana Science & Technology Alliance	7.8	0.0	0.0	0.0	7.8
Residential Mortgages	0.0	1.3	0.0	0.0	1.3
Direct Real Estate	0.0	0.0	21.1	0.0	21.1
INTERCAP Bond Guarantee	0.0	0.0	0.0	68.7	68.7
MFFA Bond Guarantee	0.0	0.0	0.0	113.6	113.6
6/30/2022	\$ 190.1	\$ 1.3	\$21.1	\$182.3	\$ 394.8

Table Comments: The amounts presented include receivable and payable accruals.

Bond Guarantees - Through a statutory mechanism, the Board can pledge certain monies to credit enhance bondholder security for the [Montana Facility Finance Authority Program](#) and the Board's Enterprise Fund (INTERCAP Loan Program) which allows for low interest rates. As of June 30th, the Board had provided loan guarantees from TFIP, the Coal Severance Tax Trust Fund, and the Treasurer's Cash Fund to the Enterprise Fund for exposure to INTERCAP bond issues amounting to approximately \$68.7 million and from STIP, TFIP, the Coal Severance Tax Trust Fund to the Montana Facility Finance Authority (MFFA) amounting to approximately \$113.6 million. The Board has not had to perform on any bond and loan guarantee in the past.

ENTERPRISE FUND

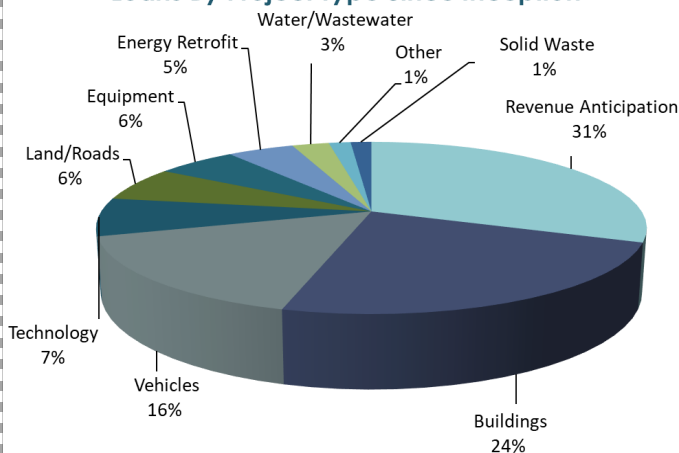
The Board uses the Enterprise Fund to account for its programs created under the Municipal Finance Consolidation Act (MFCA) and Economic Development Act. The Enterprise Fund Financial Statement provides information on all the programs defined under this fund. The following focuses on the active MFCA authorized programs with significant impact on the Enterprise Fund.

INTERCAP LOAN PROGRAM

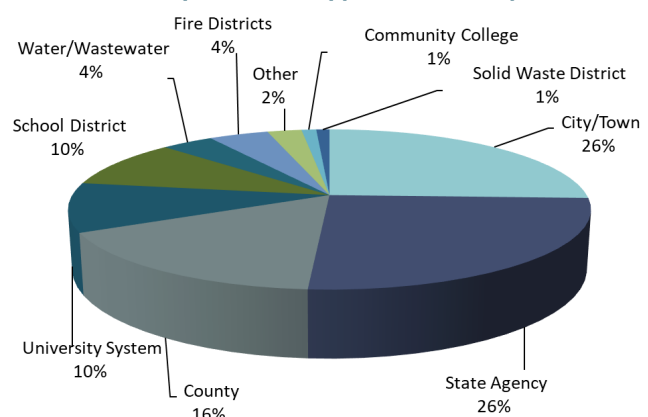
The Board has provided low interest loans to Montana state agencies, universities, and local governments for various projects. The Board's INTERCAP Loan Program (INTERCAP) is in its 35th year of service and programmatic adjustments have been implemented to reduce costs and lower rates going forward. Since its inception, INTERCAP has loaned \$655.9 million statewide. As of June 30, 2022, there is \$68.7 million outstanding on the bond used to fund the loans. Loan interest rates are reset every February. The loan rate from February 16, 2021 to February 15, 2022 was 1.65%. The loan rate for February 16, 2022 to February 15, 2023 is 1.55%. Borrowers with Autopay receive an additional 0.05% rate reduction.

Over 80% of all Montana counties and municipalities have financed projects through INTERCAP.

Loans By Project Type Since Inception



Loans By Borrower Type Since Inception



The Board makes firm one-year commitments to fund the loans. On average, over the past five fiscal years, the program committed to \$27.6 million and funded \$24.5 million in loans. In fiscal year 2021, the program estimated fiscal year 2022 commitments and fundings would be approximately \$20 million. In fiscal year 2022, the program committed to \$28.6 million and funded \$20.4 million in loans. Moving into fiscal year 2023, it is expected the remnants of the American Rescue Plan Act funds and the rising inflation will have an impact on the eligible borrowers' project budgets and financing needs. The program estimates the Board will commit to and fund under \$20 million in fiscal year 2023.

The table on the below compares the INTERCAP bonds outstanding vs. borrower loans in relation to the loan interest rate in effect at the time.

Fiscal Year	Borrower Loans Outstanding	INTERCAP Bonds Outstanding	Loan Interest Rate
FY22	69,203,350	68,706,869	1.55%
FY21	72,066,150	90,600,000	1.65%
FY20	69,002,636	90,670,000	2.50%
FY19	79,637,758	105,065,000	3.37%
FY18	81,018,625	105,110,000	3.15%
FY17	94,690,437	107,880,000	2.50%
FY16	80,521,314	97,340,000	1.55%
FY15	82,503,298	106,435,000	1.25%
FY14	79,037,404	106,450,000	1.00%
FY13	75,317,110	106,615,000	1.00%
FY12	79,858,293	95,030,000	1.25%
FY11	75,552,672	95,530,000	1.95%
FY10	79,423,267	96,075,000	1.95%
FY09	77,714,731	88,620,000	3.25%
FY08	77,344,278	98,045,000	4.25%
FY07	66,923,842	98,460,000	4.85%
FY06	69,638,926	83,620,000	4.75%
FY05	64,742,704	84,280,000	3.80%
FY04	64,920,841	90,555,000	2.70%
FY03	52,768,387	72,190,000	2.85%
FY02	48,541,101	57,290,000	3.15%
FY01	43,695,135	57,680,000	4.75%
FY00	43,292,502	47,610,000	5.60%
FY99	38,813,975	47,930,000	4.30%
FY98	38,512,977	48,000,000	4.85%
FY97	25,211,446	35,910,000	4.75%
FY96	17,450,000	26,060,000	4.85%
FY95	14,900,000	19,580,000	6.40%

Table Comments: FY22, borrowers with Autopay receive a 0.05% rate reduction. FY20, in response to the COVID-19 pandemic, the loan rate was decreased to 1.00% for the period between February 16, 2020 to August 15, 2020.

Through a statutory mechanism, the Board is allowed to pledge certain monies as a guarantee on these loans which allows for the low interest rate. To date (without intending any limitation) the Board has identified the State Treasurer's Fund (see Operating Funds section) and the Coal Severance Tax Trust Fund as being legally available for such purposes.

INTERCAP loans have been very high credit quality and the Board has never suffered a loss. This is because of reasonable underwriting standards and the credit soundness of state of Montana agencies, boards, authorities, and local governments.

INTERCAP Highlights

In November 2021, the Board adopted Resolution 249 to replace the six publicly remarketed MFCA Tax-Exempt Bonds previously used to fund the INTERCAP loans with MFCA Taxable Bond Series 2022. The new Bond Series 2022 is held as an investment of STIP. This change resulted in significant savings to the program and lower rates for the borrowers. Additionally, substantial modernization of the program was launched with the implementation of the following:

- A short fillable application is now available to submit securely online using the Board's website.
- The Board is now managing the loan servicing directly, including funding loans and processing repayments.
- Private activity loan limitation for eligible borrowers is no longer applicable.
- Vehicle and/or equipment liens are no longer required.

OTHER BOND PROGRAMS

- ***Qualified Zone Academy Bond Program (QZAB)***

This program allows qualifying school districts to borrow money at no or nominal interest rates by issuing qualified zone academy bonds. The Board acts as a legal funding conduit only and has no pecuniary liability for the repayment of the bonds. As of June 30, 2022, eleven school districts issued over \$13.7 million in QZAB bonds.

- ***Qualified School Construction Bond Program (QSCB)***

This program allows qualifying school districts to borrow money at no or nominal interest rates by issuing qualified school construction bonds. The Board acts as a legal funding conduit only and has no pecuniary liability for the repayment of the bonds. As of June 30, 2022, two school districts issued just under \$8.37 million in QSCB bonds.



MONTANA DOWN PAYMENT ASSISTANCE PROGRAM

Created in December 2021 by Governor Gianforte, the Montana Down Payment Assistance Program is a public-private partnership between the State of Montana and Montana's banks, credit unions, and economic development agencies.

The Montana Down Payment Assistance Program purpose is to help finance the acquisition of equipment, new construction, or purchase of real estate or buildings with improvements for Montana businesses. The Board provided zero-interest loans for up to 25 years that range in size from \$100,000 to \$3 million.

The Governor's Office of Budget and Program Planning and the Board developed the program. The 67th Legislature created the ARPA Economic Transformation and Stabilization and Workforce Development Advisory Commission to oversee the ARPA programs created by the Department of Commerce. With the commission's unanimous, bipartisan recommendation, Governor Gianforte allocated \$37 million for the program to the Board.

The funds allocated were reserved in six business days leveraging \$125 million in economic activity across Montana.

Shown in the photo to the right is Doug Hill, Director of In-State Loans, accepting a plaque from the Montana Bankers Association's Board Chairman Jack Pelczar of the Bank of Montana. The award is in

recognition of Director Hill's tireless efforts to implement three different programs in a limited amount of time that helped banks assist small business owners faster and more efficiently.



"Thank you for all you've done to help Montana's small businesses and economy".

– Montana Bankers Association

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MONTANA

BOARD OF INVESTMENTS



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