# STATE OF WISCONSIN

## SENATE CHAIR Howard Marklein

316 East, State Capitol P.O. Box 7882 Madison, WI 53707-7882 Phone: (608) 266-0703



## ASSEMBLY CHAIR Mark Born

308 East, State Capitol P.O. Box 8952 Madison, WI 53708-8953 Phone: (608) 266-2540

## JOINT COMMITTEE ON FINANCE

## <u>MEMORANDUM</u>

To:

Members

Joint Committee on Finance

From:

Senator Howard Marklein

Representative Mark Born

Date:

May 15, 2023

Re:

SWIB Report to JFC

Attached is a report on all expenses charged to the trust funds under management and the number of full-time equivalent positions created or abolished during the quarter from the State of Wisconsin Investment Board, pursuant to s. 25.17(13m), Stats.

This report is being provided for your information only. No action by the Committee is required. Please feel free to contact us if you have any questions.

**Attachments** 

HM:MB:jm

MAY 15 2023 T. Finance

May 12, 2023

Senator Howard Marklein, Co-Chair Joint Committee on Finance P.O. Box 7882 Madison, WI 53707

Senator Eric Wimberger, Co-Chair Joint Legislative Audit Committee P.O. Box 7882 Madison, WI 53707

Secretary Kathy Blumenfeld Department of Administration 101 East Wilson Street P.O. Box 7864 Madison, WI 53707 Representative Mark Born, Co-Chair Joint Committee on Finance P.O. Box 8952 Madison, WI 53708

Representative Robert Wittke, Co-Chair Joint Legislative Audit Committee P.O. Box 8953 Madison, WI 53708

Dear Senator Marklein, Senator Wimberger, Representative Born, Representative Wittke and Secretary Blumenfeld:

State statutes require the State of Wisconsin Investment Board (SWIB) to report all expenses charged to the trust funds under management and the number of full-time equivalent positions created or abolished during the quarter<sup>1</sup>. The information contained in this report is for the quarter ended March 31, 2023.

								Υ	railing 4 Qtr	
Total Cost of Management Summary	 2Q2022		3Q2022		4Q2022		1Q2023		Total	% of Tota
Internal Operating Expenses										
Operating Budget Expenses	\$ 42,801,859	\$	13,275,388	\$	16,013,990	\$	14,718,435	\$	86,809,672	63.9%
Custodial, Investment Operations & Banking	1,692,456		1,647,965		1,961,451		2,057,242		7,359,114	5,4%
Legal	625,000		625,000		371,714		561,635		2,183,349	1.6%
Investment Research & Consulting	9,150,155		9,112,954		7,570,768		8,387,483		34,221,360	25,3%
Total Internal Operating Expenses	\$ 54,269,470	\$	24,661,307	\$	25,917,923	\$	25,724,795	\$	130,573,495	96.2%
Securities Lending Agent Expenses	\$ 1,412,138	\$	1,198,959	\$	1,125,732	\$	1,455,665	\$	5,192,494	3.8%
Total SMB Operating Costs	\$ 55,681,608	\$	25,860,266	\$	27,043,655	\$	27,180,460	\$	135,765,989	100.0%
External Investment Management Fees										
Externally Managed Separate Account Fees										
Externally managed Separate Account rees										
Beta One & Other - Separately Managed	\$ 6,621,385	\$	15,970,497	\$	12,231,686	\$	10,289,679	\$	45,113,247	6.2%
Beta One & Other - Separately Managed	\$ 6,621,385	\$	15,970,497	\$	12,231,686	\$	10,289,679	\$	45,113,247	6.2%
Beta One & Other - Separately Managed Supplemental Information - External Fund Fees	\$ 6,621,385 19,257,344	Ť	15,970,497 20,775,122	•	12,231,686 20,890,279	Ť	10,289,679 19,702,319		45,113,247 80,625,065	6.2% 11.1%
	-1	Ť	,	•		Ť				
Beta One & Other - Separately Managed Supplemental Information - External Fund Fees Real Estate	19,257,344	Ť	20,775,122	•	20,890,279	Ť	19,702,319		80,625,065	11.1%
Beta One & Other - Separately Managed Supplemental Information - External Fund Fees Real Estate Private Equity & Venture Capital	19,257,344 72,498,709	Ť	20,775,122 67,722,428	•	20,890,279 72,422,893	Ť	19,702,319 55,955,436		80,625,065 268,599,465	11.1% 36.8%

<sup>&</sup>lt;sup>1</sup>Wisconsin Statutes Section 25.17 (13m): Investment-related costs and expenses charged to the WRS Trust Funds, State Investment Fund, State Life Insurance Fund, Historical Society Endowment Fund, Injured Patients and Families Compensation Fund and UW Trust Fund. Investment transaction expenses, such as trading commissions and interest expense, are included in investment returns, and therefore not included in this report.

SWIB operating costs are charged to the trust funds under management. Externally managed fund fees for commingled assets are netted against investment returns generated by SWIB's external fund holdings. It is important to consider costs in the context of value-added investment returns. For example, during the five years ended December 31, 2022, after consideration of all expenses, costs, and fees, SWIB generated more than \$2.7 billion in additional profits beyond what would have been generated by the benchmark portfolio SWIB is measured against. These profits all go directly into the Wisconsin Retirement System for the benefit of its beneficiaries.

Attachment A provides a breakdown of the amount and percentage of assets managed under each type of dedicated and commingled account or partnership, and the change in the amount and percentage from the prior calendar quarter. As of March 31, 2023, SWIB's total authorized positions are 290 as shown in the table below.

Assets Under Management & Positions					
	12/31/2022	03/31/2023			
Internal Management	45.0%	46.5%			
External Management	55.0%	53.5%			
Total SWIB Positions	290	290			

In addition, Attachment B provides details of the services provided to SWIB and their associated quarterly costs. For definitions of the expense categories presented in the Total Cost of Management Summary table, please refer to Attachment C.

As new investment strategies are implemented and markets continue to evolve, SWIB will continue evaluating the most efficient means to manage the trust fund assets. Please contact us if you have any questions or comments about this report.

Sincerely,

Edwin Denson

Eduin Dens.

Executive Director/Chief Investment Officer

Attachments

cc: Members, Joint Committee on Finance

Members, Joint Committee on Audit Robert Lang, Legislative Fiscal Bureau Joe Chrisman, Legislative Audit Bureau

## **Total Assets Under Management**

Wisconsin Retirement System (WRS)	6/30/2	6/30/2022		9/30/2022		12/31/2022		023
	Amount		Amount		Amount		Amount	
	(in millions)	Percent	(in millions)	Percent	(in millions)	Percent	(in milfions)	Percent
Internally Managed Assets	\$52,094	41.7%	\$45,843	39.1%	\$46,587	37.9%	\$49,730	39.2%
Externally Managed Dedicated Assets	27,907	22.4%	26,743	22.8%	29,344	23.9%	29,282	23.1%
Externally Managed Commingled Assets	44,852	35.9%	44,579	38.0%	46,979	38.2%	47,809	37.7%
1. Passive index	1,689	1.4%	1,711	1.5%	1,488	1.2%	1,168	0.9%
2. Limited Partnerships	30,212	24.2%	30,771	26.3%	31,719	25.8%	32,060	25.3%
Active Managed Commingled	12,950	10.4%	12,097	10.3%	13,772	11.2%	14,581	11.5%
TOTAL WRS Assets	\$124,853	100.0%	\$117,165	100.0%	\$122,910	100.0%	\$126,821	100.0%

State Investment Fund - Internally Managed	\$18,401	\$17,876	\$17,742	\$19,285
Separately Managed Funds - Internally Managed	\$101	\$93	\$95	\$98
Separately Managed Funds - Externally Managed	\$2,409	\$2,438	\$2,523	\$2,582

Total SWIB Assets Under Management	\$145,764		\$137,573		\$143,269		\$148,786	
Total Internal Management	\$70,596	48.4%	\$63,813	46.4%	\$64,423	45.0%	\$69.113	46.5%
Total External Management	\$75,168	51.6%	\$73,760	53.6%	\$78,846	55.0%	\$79,673	53.5%

#### STATE OF WISCONSIN INVESTMENT BOARD Expenses for All Funds Under Management Quarter Ending March 31, 2023

EXPENSE CATEGORY	SERVICE PROVIDED	E	EXPENSES
Internal Expenses			
Staff Compensation	Staff Compensation	\$	10,363,827
Fringe Benefits	Fringe Benefits		2,898,899
Supplies, Travel & Facilities	General Supplies & Services		1,455,709
Total Internal Expenses		\$	14,718,435
Custodial, Investment Operations and Banking Fees			
BNY Mellon Asset Servicing - Custody	Master Custody Services	\$	393,556
BNY Mellon Asset Servicing - Investment Operations	Investment Operating Services		1,328,494
Markit NA US Bank	Investment Data Management Software		335,201
Total Custodial, Investment Operations and Banking Fees	Banking Fees	\$	2.057,242
Logal Feed		,	
<u>Legal Fees</u> Chapman & Cutler LLP	Legal Work for Investment Strategies	\$	80.300
DLA Piper LLP (US)	Legal Work for Investment Strategies	Ψ	60,396 59,466
Godfrey & Kahn SC	Legal Work for Investment Strategies		20,223
Latham & Watkins LLP	Legal Work for Investment Strategies		1,265
Legal Services Expense Accrual	Legal Work for Investment Strategies		300,367
Neal Gerber Elsenberg	Legal Work for Investment Strategies		35,989
Quarles & Brady	Legal Work for Investment Strategies		81,285
Rutherford & Bechtold LLC	Legal Work for Investment Strategies		2,645
Total Legal Fees		\$	561,635
investment Counsel			
AE Business Solutions	Information Technology Consulting Services	\$	18,000
Aksia LLC	Hedge Fund Investment Consulting		193,750
Alex Solutions	Research and Data Services		40,750
Algomi Corporation Apex Systems	Investment Consulting Services		7,058
Arthur Selender	Investment Consulting Services Investment Consulting Services		65,822
Automation Anywhere, Inc.	Process Automation Software		13,000 49,400
Backstop Solutions Group	Investment Software		(23,792)
Barrons	Investment Research		62
BCA Research inc	Global & Domestlo Fixed Income Strategy Research		34,125
Blacklight Technology Partners, LLC	Research and Data Services		31,500
Blackrock Financial Management Inc	Risk Services		85,000
Bloomberg Finance LP	Market, Company, Industry & Benchmark Information		1,073,424
BNY Mellon Asset Servicing - Eagle/Pace	Investment Consulting Services		115,000
Bonfire Interactive LTD Bridge Consulting Partners Ltd	Strategic Sourcing Software		20,000
Callan Associates Inc	investment Consulting Services Investment Consulting & Performance Benchmarking		43,040 12,500
CappThesis, LLC	Research and Data Services		2,500
Carahsoft Technology Corp	Investment Consulting Services		26,767
CBJL Incorporated	Investment Consulting Services		99,220
CBOE Global Markets, Inc.	Research and Data Services		4,860
CFRA Research	Investment Research Services		21,637
Charles River System Inc	Portfolio Management Trading Software & Services		445,498
CoStar Portfolio Strategy	Real Estate Consulting & Research Services		28,738
CUSIP Global Services	Research and Data Services		16,250
Cutter Associates	Investment Organization and Systems Consulting		30,400
Dacheng Xlu Datacamp Inc	Investment Research Research and Data Services		37,500
DiatomC LLC	Investment Consulting Services		114 95,320
Digitimes Inc	Investment Research		440
Dow Jones News Service	Company and Industry News Services		1,822
DTCC - EPN	Trade Settlement Service		3,400
DTCC ITP LLC	Trade Selllement Service		3,257
efilemyforms.com	On-Line Filing Service		70
EFront Financial Solutions Inc	Private Markets Portfolio Management Services		196,914
enableIT LLC	Investment Research		11,935
Ernst & Young LLP	Tax Compliance Services & Investment Consulting		46,000
Euromonitor International	Research and Data Services		19,766
FactSet Research Systems Inc	Financial & Economic Database		1,015,903
FIS Data Systems Inc. Fitch Solutions Inc	Research and Data Services Credit Rating Services		15,969
FTSE International Inc	Real Time Index Data		18,333 14,343
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EXPENSE CATEGORY	SERVICE PROVIDED	EXPENSES
Funston Advisory Services LLC	Consulting Services	14.500
Gallagher	Insurance and Risk Management Services	15,647
Green Street Advisor	Real Estate Analytics	21,046
Haver Analytics	Global Macroeconomic Research	22,740
Ice Data LP	Fixed Income Indices	25,764
Institutional Limited Partners Association ILPA	Private Equity Research	5,000
Institutional Shareholder Services Inc	Proxy Voting Analysis	41,914
Intelligent Automation Consulting	Automation Consulting Services	16,200
Investment Research Expense Accrual	Investment Research	665,025
IPC Systems Inc	Trading Telecommunication System	15,258
Joyce C Knauff & Associates	Investment Consulting	40,000
Keystone Consulting Inc	Investment Information Technology Consulting Services	66,880
Knowledge Services	Recruitment Consulting	83,576
Kreischer Miller LLP	Investment Consulting Services	50,000
London Stock Exchange	London Stock Exchange Data	44,716
Mackey LLC	Research Management System	53,366
Manalo Advisors Limited  Markit Group Limited	Research and Data Services	3,750
Markit NA	Investment Consulting Services	7,730
Markit-EDM Limited	Investment Data Management Software Investment Consulting	27,500
Matrix IDM, LLC	Investment Consulting Services	191,319
McLagan Partners Inc	Investment Compensation Data and Analysis	26,600 <b>43</b> ,750
Meketa Investment Group	Public Markets External Manager Consultant	66,930
MNI Market News	Research and Data Services	1,947
Moodys Analytics	Economic, Currency & Bond Analysis	84,100
MSCI Inc - Risk Metrics Solutions	Research and Data Services	320,108
MSCI, Inc	Research and Data Services	62,198
NAIOP Commercial Real Estate Development Association	Investment Consulting Services	395
National Council of Real Estate Investment Fiduciaries	Real Estate Performance Research	2,500
NEPC LLC	Investment Consulting Services	80,000
Novus Partners inc	Profit & Loss Analytics System	18,885
Nuware Technology Corp	Investment Information Technology Consulting Services	119,888
NYSE Market Inc	New York Stock Exchange Data	6,282
OptionMetrics	Investment Data Service	38,340
Options Price Reporting Authority	Quote System for Options Market	2,459
Oxford Economics USA INC	Research and Data Service	24,463
Pac-invest	Research and Data Services	12,945
Pension Real Estate Association	Real Estate Investment Research	330
Pitchbook Data inc	Research and Data Services	17,176
PremiaLab	Investment Research	12,451
Quantum Research Consulting LLC Refinitiv	Investment Consulting Services	30,600
RIMES Technologies Corporation	Research Pricing (Autex, Baseline, FirstCall) Research and Data Service	207,989
Russell Investment Group	Index Data	81,250 8,932
S&P Global Market Intelligence	Industry & Corporate Research	105,825
SailPoint Technologies, inc.	Information Security Software	18,750
Seaport Global Securities LLC	Research and Data Services	2,510
Sharp Decisions Inc	Investment Information Technology Consulting Services	90,784
Simcorp USA, Inc.	Investment System	806,163
Snowflake Inc	Research and Data Services	25,000
Solve Advisors Inc	Investment Research	10,000
Spherion	Staffing Services	6,680
Statista	Investment Research	177
StepStone Group	Private Equity Consulting Services	154,330
StepStone Group Real Estate	Real Estate Consulting Services	57,883
SWIFT SC	Research and Data Services	5,032
SystemsAccountants	Investment Information Technology Consulting Services	70,400
Taranis, Inc.	Investment Information Technology Consulting Services	68,640
Telsey Advisory Group	Consumer Sector Research	18,750
The Financial Times Limited	investment Research	187
The Institute for Quantitative Research in Finance	Research and Data Services	5,500
The Nasdag Stock Market, LLC	Research and Data Services	4,650
The Spaulding Group, Inc. Toronto Stock Exchange	Audit Services	21,250
TradeWeb	Market Data On-Line Fixed Income Trading Services	14,601
Trepp, LLC	On-Line Fixed Income Trading Services Investment Research	10,188 50,400
Unit4 Business Software Inc	Financial & Administration Services System	50,400 77,019
Vadim Moroz	Investment Consulting Services	(27,000)
Virtu ITG Analytics LLC	Trading Transaction Cost Analysis	20,500
Visible Alpha LLC	Research and Data Services	25,633
WallachBeth Capital LLC	Investment Consulting Services	3,000
Werner De Bondt	Investment Consulting Services	5,000
Wolters Kluwer Law & Business	GDP Forecasting Services	2,891
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EXPENSE CATEGORY	SERVICE PROVIDED	E	EXPENSES
Wolverine Execution Services LLC WorldBridge Partners Inc	Options Trading Platform		1,395
Yipit, LLC	Recruitment Consulting Research and Data Services		120,800
Total Investment Counsel	Research and Data Services	\$	(7,500)
Total infestition codinger		Þ	8,387,483
Separate Account Public Market Management Fees	•		
Alliance Bernstein	Public Market Management Fees	\$	2,994,734
Blackrock	Public Market Management Fees		1,463,822
Dodge and Cox	Public Market Management Fees		742,162
Driehaus Private Equity	Public Market Management Fees		463,731
eSecLending	Public Market Management Fees		4,089
Fidelity Investments	Public Market Management Fees		1,347,494
Parametric	Public Market Management Fees		579,563
Prudential Global Investment Management (PGIM)	Public Market Management Fees		348,665
Wellington Trust Company	Public Market Management Fees		2,345,419
Total Separate Account Public Market Management Fees		\$	10,289,679
Securities Lending Agent Fees			
BNY Mellon Asset Servicing	Securities Lending Agent Fees	\$	1,455,665
Total Securities Lending Agent Fees		\$	1,455,665
Total Quarterly Charges to Funds		-	27 470 420
Total squarterly originates to Fullus			37,470,139

All costs reported are on an accrual basis except for internal operating costs which are on a cash basis of accounting. Negative expense amounts are due to accrual adjustments and/or other miscellaneous adjustments.

## **Explanation of Expenses**

## **Internal Operating Expenses**

Internal operating expenses consist primarily of staff compensation and fringe benefits. SWIB employs a staff of professional investment and support staff to manage trust fund assets. Other internal operating expenses consist of office equipment, supplies, business travel, information technology equipment and services, and general services.

#### **Custodial & Banking Fees**

Wisconsin Certificate of Deposit Program: Under a contract with SWIB, Bankers' Bank administers the program under which the State Investment Fund (SIF) purchases certificates of deposit from Wisconsin-based banks and thrifts. Most administrative costs are paid by the participating banks. SWIB's expenses help underwrite other administrative costs, such as insurance that SWIB requires to be purchased.

BNY Mellon: Provides master custodial and administrative services (safekeeping of assets, income collection, valuations and accounting) for public and private domestic and foreign securities in the Wisconsin Retirement System (WRS), the SIF, and the other separately managed trust funds. In addition, SWIB receives performance measurement and analytical services through its contract with BNY Mellon, which serves as the official book of record for SWIB's accounting and performance measurement functions. BNY Mellon provides data and analytical tools used by SWIB for compliance and risk management. These include global collateral management, data management, and hosting services. Fees for these services are established by contract.

US Bank: The State of Wisconsin contracted with US Bank to be the state's working bank. The fees paid to US Bank by the SIF reflect bank service charges that are not directly applicable to the fund participants.

#### Legal Fees, Services, and Expenses

Under authority delegated by the Attorney General, pursuant to s. 25.18 (1) (a) Statutes, SWIB may employ legal counsel for any matters arising out of the scope of its investment authority. This includes legal services relating to bankruptcies, class actions, private markets transactions, fiduciary advice, securities law, investment litigation, and other similar matters.

#### **Investment Counsel**

Current law gives SWIB the authority to employ investment counsel in any matters arising out of the scope of its investment authority. Investment research and services provided include global market, industry, economic and company information, financial and performance analytics, news information, pricing and exchange data, credit ratings, financial modeling, economic forecasting, trading services, and a variety of Board consultations. These services enable SWIB to perform due diligence on current and future holdings and assist in monitoring investments.

#### Securities Lending Agent Fees

Securities lending programs generally earn income through the reinvestment of cash collateral posted by borrowers and through the collection of fees for loans where non-cash collateral is posted. SWIB's securities lending income is shared with the agent to pay the costs associated with the administration of the program. Securities lending agent fees are reported as expenses.

### **Externally Managed Separate Account Fees**

External asset managers have been delegated authority within guidelines established by SWIB to determine investment strategy and purchase securities in SWIB's name within a SWIB account. Fees are typically assessed as a percentage of the market value of assets under management and in some cases, fees are based on investment performance.

### **External Funds Fees**

SWIB invests in separate legal entities managed by external investment managers to gain exposure to select strategies including Public Markets, Private Equity, Venture Capital, Real Estate and Hedge Funds. In exchange for their investment management services, the external managers charge a fee within the entity they manage. Fees are typically assessed as a percentage of the market value of assets under management, commitments, and in some cases are based on investment performance. While the fees charged to these external vehicles do not meet the statutory definition of a cost or expense to SWIB, they are currently included in SWIB's total cost of management. Accordingly, these fees are reported as supplemental information. Beginning in 2023, External Funds Fees for private markets are reported on a net fee basis rather than gross. Net fees reflect fee offsets, waivers, and deferrals.