

**MILWAUKEE BOARD OF SCHOOL DIRECTORS  
SUPPLEMENTAL EARLY RETIREMENT PLAN  
FOR TEACHERS**

(A Pension Trust Fund of Milwaukee Public Schools)

FINANCIAL STATEMENTS AND  
REQUIRED SUPPLEMENTARY INFORMATION

Including Independent Auditors' Report

As of and for the Years Ended June 30, 2022 and 2021

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**TABLE OF CONTENTS**

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|   | <b>Page</b> |
|---|-------------|
| Independent Auditors' Report                                    | 1 - 3       |
| Management's Discussion and Analysis                            | 4 - 8       |
| Basic Financial Statements:                                     |             |
| Statements of Fiduciary Net Position                            | 9           |
| Statements of Changes in Fiduciary Net Position                 | 10          |
| Notes to Financial Statements                                   | 11 - 34     |
| Required Supplementary Information:                             |             |
| Schedule of Changes in Net Pension Liability and Related Ratios | 35          |
| Schedule of Contributions                                       | 36          |
| Schedule of Investment Returns                                  | 37          |
| Notes to Required Supplementary Information                     | 38          |

## INDEPENDENT AUDITORS' REPORT

To the Milwaukee Board of School Directors  
Supplemental Early Retirement Plan for Teachers  
Milwaukee, Wisconsin

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

#### ***Opinion***

We have audited the accompanying statements of fiduciary net position of the Milwaukee Board of School Directors Supplemental Early Retirement Plan for Teachers (the Plan), as of June 30, 2022 and 2021, the statements of changes in fiduciary net position for the years then ended, and the related notes to the financial statements, which collectively comprise the Plan's basic financial statements as listed in the table of contents.

In our opinion, the financial statements referred to above present fairly, in all material respects, the fiduciary net position of the Plan as of June 30, 2022 and 2021 and the changes in fiduciary net position of the Plan for the years then ended in accordance with accounting principles generally accepted in the United States of America.

#### ***Basis for Opinion***

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

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

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

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 Plan'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.

## ***Auditors' 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 misstatements, whether due to fraud or error, and to issue an auditors' 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 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 controls. 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, 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 Plan'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 Plan'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 Management's Discussion and Analysis, the Schedules of Changes in Net Pension Liability and Related Ratios, Contributions, and Investment Returns, and the notes to required supplementary information as listed in the table of contents be presented to supplement the basic financial statements. 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 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 consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

*Baker Tilly US, LLP*

Milwaukee, Wisconsin  
January 6, 2023

# MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL EARLY RETIREMENT PLAN FOR TEACHERS

## MANAGEMENT'S DISCUSSION AND ANALYSIS (UNAUDITED) As of and for the Years Ended June 30, 2022 and 2021

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Milwaukee Public Schools' (the District) Management's review of the changes in the pension plan fiduciary net position and actuarial liabilities for the Milwaukee Board of School Directors Supplemental Early Retirement Plan for Teachers (the Plan) for the fiscal years ended on June 30, 2022 and 2021 is presented below. This information supplements the financial statements in this report.

### Overview of the Financial Statements of the Plan

The two basic financial statements of the Plan are the *Statements of Fiduciary Net Position* and the *Statements of Changes in Fiduciary Net Position*. Statements are shown for the most recent and previous fiscal years for comparison and analysis of changes in individual line items. The statements are prepared in conformity with accounting principles generally accepted in the United States of America.

The *Statements of Fiduciary Net Position* is a measure of the plan assets and liabilities at the close of the fiscal year. Total assets less liabilities equal net position restricted for pensions.

The *Statements of Changes in Fiduciary Net Position* shows additions (investment income and employer contributions) and deductions (benefits and expenses) for the fiscal year. The net increase (or decrease) is the change in fiduciary net position since the end of the previous fiscal year.

The *Notes to Financial Statements* are a fundamental part of the financial statements and provide important information to augment the figures in the financial statements. The notes provide information pertaining to the plan provisions, a summary of significant accounting policies, contributions, investments, and tax status of the Plan. Supplementary disclosures of selected financial data are included in the notes.

In addition to the basic financial statements and notes, a *Schedule of Changes in Net Pension Liability and Related Ratios*, a *Schedule of Contributions* and a *Schedule of Investment Returns* are included as required supplementary information. These schedules emphasize the long-term nature of the Plan and show progress of the Plan in accumulating sufficient assets to pay benefits when due.

The *Schedule of Changes in Net Pension Liability and Related Ratios* shows actuarial trend information. It includes the ratio of the Plan Fiduciary Net Position to Total Pension Liability (funded ratio) as a percentage. The funded ratio increases or decreases over time depending upon the relationships between contributions, investment performance, benefit changes, and actuarial assumption changes based upon participant information and characteristics.

The *Schedule of Contributions* shows the amount of actuarially determined contributions and the actual contributions as a percentage of the covered payroll.

The *Schedule of Investment Returns* shows the percentage of annual money-weighted rate of return (net of investment expenses) by plan year on investments.

See accompanying independent auditors' report

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**MANAGEMENT'S DISCUSSION AND ANALYSIS (UNAUDITED)  
As of and for the Years Ended June 30, 2022 and 2021**

**Analysis of Plan Fiduciary Net Position and Actuarial Liabilities**

The Plan's assets are reported at fair market value. A summary of the Plan's net position as of June 30, 2022, 2021, and 2020 is as follows:

|  | <u>2022</u>           | <u>2021</u>           | <u>2020</u>           |
|--|-----------------------|-----------------------|-----------------------|
| Assets:                                      |                       |                       |                       |
| Investments including investments receivable | \$ 176,661,634        | \$ 196,599,506        | \$ 164,247,959        |
| Accrued interest receivable                  | <u>235</u>            | <u>7,891</u>          | <u>13,144</u>         |
|  | 176,661,869           | 196,607,397           | 164,261,103           |
| Liabilities (benefits, expenses payable)     | <u>6,199,866</u>      | <u>1,469,180</u>      | <u>2,675,089</u>      |
| Plan Fiduciary Net Position                  | \$ <u>170,462,003</u> | \$ <u>195,138,217</u> | \$ <u>161,586,014</u> |

The Plan's Fiduciary Net Position decreased by approximately \$24.6 million during the fiscal year ending on June 30, 2022. The decrease is due to a net investment loss of approximately \$14 million, contributions decreased by approximately \$371 thousand and benefit payments increased by approximately \$453 thousand. The Plan's Fiduciary Net Position increased by approximately \$33.5 million during the fiscal year ending on June 30, 2021. The increase was due to a net investment gain of approximately \$43.2 million and contributions of approximately \$7.6 million that were above benefit payments and expenses of approximately \$17.3 million

It is also helpful to analyze the Plan's Fiduciary Net Position in relation to the Total Pension Liability for plan benefits to evaluate the fiduciary net position of the Plan. An actuarial valuation is performed as of the beginning (July 1) of each year with the results projected to the end of the fiscal year (June 30) using various assumptions including a 6.75% future return on investments. This liability is then rolled forward to June 30, 2022. Additionally, for this purpose, investments are valued at fair market value. The fiduciary net positions as a percentage of total liability as of June 30, 2022, and 2021, and 2020 are as follows:

|   | <u>2022</u>          | <u>2021</u>          | <u>2020</u>          |
|---|----------------------|----------------------|----------------------|
| Plan Fiduciary Net Position                                       | \$ 170,462,003       | \$ 195,138,217       | \$ 161,586,014       |
| Total Pension Liability   | <u>222,381,370</u>   | <u>227,078,100</u>   | <u>232,475,108</u>   |
| Net Pension Liability   | \$ <u>51,919,367</u> | \$ <u>31,939,883</u> | \$ <u>70,889,094</u> |
| Fiduciary Net Position as a percentage of Total Pension Liability | <u>76.7%</u>         | <u>85.9%</u>         | <u>69.5%</u>         |

See accompanying independent auditors' report

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**MANAGEMENT'S DISCUSSION AND ANALYSIS (UNAUDITED)  
As of and for the Years Ended June 30, 2022 and 2021**

**Analysis of Changes in Fiduciary Net Position**

A summary of the changes in fiduciary net position for the years ended June 30, 2022, 2021, and 2020 is as follows:

|   | <u>2022</u>            | <u>2021</u>          | <u>2020</u>       |
|---|------------------------|----------------------|-------------------|
| <b>Additions:</b>                       |                        |                      |                   |
| Net investment income (loss)            | \$ (14,330,284)        | \$ 43,198,750        | \$ 7,265,841      |
| Employer contributions                  | 7,286,185              | 7,657,435            | 9,789,606         |
| Total additions (deductions)            | <u>(7,044,099)</u>     | <u>50,856,185</u>    | <u>17,055,447</u> |
| <b>Deductions:</b>                      |                        |                      |                   |
| Benefit and refund payments             | 17,598,105             | 17,145,007           | 16,887,950        |
| Administrative expenses                 | 34,010                 | 158,975              | 150,628           |
| Total deductions                        | <u>17,632,115</u>      | <u>17,303,982</u>    | <u>17,038,578</u> |
| Net increase (decrease) in net position | <u>\$ (24,676,214)</u> | <u>\$ 33,552,203</u> | <u>\$ 16,869</u>  |

The net investment gains for the years ended June 30, 2022 and June 30, 2021 are the result of money weighted returns on investments of (7.6%) and 27.8% for the years ended June 30, 2022 and 2021, respectively.

It is the District's practice to fund the Plan based on the actuarially determined contributions which were approximately \$8.0 million, \$9.7 million, and \$10.2 million for the years ended June 30, 2022, 2021, and 2020, respectively. However, the District made prepayments during the years ended June 30, 2022, 2021 and 2020 toward the past service liability portion of the subsequent years' recommended contribution which resulted in a difference in the actual amounts contributed during the respective years. As of June 30, 2022, 2021, and 2020, the District had cumulative credits (prepayments) of \$7.5 million, \$8.2 million, and \$10.2 million, respectively, for the subsequent years' contribution.

**Observations**

- For the year ended on June 30, 2022, the Plan's time-weighted investment return of (8.08%) was approximately 4.81% above its benchmark index return of (12.89%) and 17.14% below inflation of 9.06%. Over the five years ended on June 30, 2022, the Plan's annualized investment return of 7.45% was 1.77% above the benchmark index return of 5.68% and 3.57% above inflation of 3.88%. For the year ended on June 30, 2021, the Plan's time-weighted investment return of 27.93% was approximately 4% above its benchmark index return of 23.93% and 22.54% above inflation. Over the five years ended on June 30, 2021, the Plan's annualized investment return of 11.87% was above the benchmark index return of 11.02% and above the inflation of 2.43%.
- For the ten fiscal years through June 30, 2022, the Plan's money-weighted investment returns were as follows: 2022 – (7.6%); 2021 – 27.8%; 2020 – 4.7%; 2019 – 7.2%; 2018 - 8.3%; 2017 – 12.8%; 2016 – 0.6%; 2015 – 1.8%; 2014 – 16.5%; 2013 – 12.0%.
- The Plan's assets were invested approximately 84% in the SWIB Core Fund, 8% in the SWIB Variable Fund and 8% in various bond funds and money market funds on June 30, 2022. The Plan's assets were invested approximately 47% in Public Equities, 42% in Fixed Income, 8% in Real Estate, and 15% in Alternative Investments on June 30, 2022. Relative to the allocation on June 30, 2021, this represents a 1% decrease in the allocation to Public Equities, 7% increase in Fixed Income, 3% increase in the allocation to Real Estate, and 3% increase in the allocation to Alternative Investments.

See accompanying independent auditors' report



**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**MANAGEMENT’S DISCUSSION AND ANALYSIS (UNAUDITED)  
As of and for the Years Ended June 30, 2022 and 2021**

- Based on the funding assumptions, actuarial liabilities for retired participants, terminated vested participants and active participants represented 74%, 11% and 15%, respectively, of total accrued liabilities on July 1, 2021, and 74%, 11% and 15%, respectively, of total accrued liabilities on July 1, 2020.
- SWIB’s Core and Variable Funds included derivative investments in futures contracts, foreign exchange forward and spot contracts, and options in 2022, 2021 and in 2020.
- The fiduciary net position as a percent of the total pension liability decreased by 9.28% from 85.93% on June 30, 2021 to 76.65% on June 30, 2022.
- The Plan’s actuarially determined contribution decreased by approximately \$1,738,000 for the fiscal year ended June 30, 2022. The Plan’s actuary comments that the decrease is primarily due to the amortization policy used to finance the unfunded actuarial liability. The Plan’s actuarially determined contribution decreased by approximately \$528,000 for the fiscal year ended June 30, 2021. The Plan’s actuary comments that the decrease is primarily due to the amortization policy used to finance the unfunded actuarial liability.

**Investment Performance**

The returns versus benchmarks were as follows for the one and five-year periods through June 30, 2022:

|                               | <b>1 Year</b> | <b>5 Years</b> |
|-------------------------------|---------------|----------------|
| SWIB Core Fund                | (7.3)%        | 8.1%           |
| <i>Benchmark Index Return</i> | (10.9)%       | 6.5%           |
| SWIB Variable Fund            | (15.2)%       | 8.3%           |
| <i>Benchmark Index Return</i> | (14.9)%       | 9.1%           |
| Employer Benefit Payment Fund | (7.2)%        | 1.1%           |
| <i>Benchmark Index Return</i> | (7.3)%        | 1.1%           |
| Total Portfolio               | (8.1)%        | 7.5%           |
| <i>Benchmark Index</i>        | (12.9)%       | 5.7%           |

The benchmark indices for each fund were as follows:

| <b>Funds</b>                  | <b>Index Benchmarks</b>  |
|-------------------------------|--|
| SWIB Core Fund                | 39% Russell 3000<br>18% Morgan Stanley All World ex U.S.<br>34% Bloomberg Aggregate Bond Index<br>4% NCREIF<br>5% “15%” Rate of Return |
| SWIB Variable Fund            | 80% Russell 3000<br>20% Morgan Stanley All World ex U.S.   |
| Employer Benefit Payment Fund | 100% Bloomberg Intermediate Government/Credit Bond Index   |
| Total Portfolio               | 35% S&P 500<br>10% Russell 2000<br>15% EAFE<br>40% Bloomberg Aggregate Bond Index  |

See accompanying independent auditors’ report

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**MANAGEMENT'S DISCUSSION AND ANALYSIS (UNAUDITED)  
As of and for the Years Ended June 30, 2022 and 2021**

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**Asset Allocation by Fund and by Asset Class**

The asset allocations by fund on June 30, 2022, 2021, and 2020 were as follows:

|                                      | <b>June 30</b> |             |             |
|--------------------------------------|----------------|-------------|-------------|
|                                      | <b>2022</b>    | <b>2021</b> | <b>2020</b> |
| SWIB Core Fund                       | 84%            | 87%         | 84%         |
| SWIB Variable Fund                   | 8%             | 8%          | 10%         |
| Employer Benefit Payment Fund at BMO | 8%             | 5%          | 6%          |

On June 30, 2021, the SWIB Core Fund was broadly diversified into U.S. stocks, fixed income, international stocks, real estate, and alternative investments; the SWIB Variable Fund was invested in U.S. stocks and international stocks; and the other portfolio investments were in fixed income. The Total Portfolio allocation by asset class was approximately as follows:

| <b>Asset Class</b>      | <b>Percentage Allocation on June 30:</b> |             |             |
|-------------------------|--|-------------|-------------|
|                         | <b>2022</b>                              | <b>2021</b> | <b>2020</b> |
| Global Stocks           | 47%                                      | 48%         | 49%         |
| Fixed Income            | 42%                                      | 35%         | 35%         |
| Real Estate             | 8%                                       | 5%          | 6%          |
| Alternative Investments | 15%                                      | 12%         | 12%         |

**Requests for Information**

This report is designed to provide a financial overview of the Plan. Questions or requests for additional information regarding the financial information presented in this report may be addressed in writing to Pension Office, Department of Pensions and Data Systems, Milwaukee Public Schools, 5225 W Vliet Street, Room 124, Milwaukee, WI 53208.

See accompanying independent auditors' report

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**STATEMENTS OF FIDUCIARY NET POSITION  
AS OF JUNE 30, 2022 AND 2021**

| <b>ASSETS</b>   | <u>2022</u>          | <u>2021</u>          |
|---|----------------------|----------------------|
| Investments, at fair value                            |                      |                      |
| Money market accounts                                 | \$ 6,136,280         | \$ 4,368,137         |
| Nongovernmental obligations                           | 8,395,033            | 5,499,525            |
| Investment in the State of Wisconsin:                 |                      |                      |
| Core retirement investment trust fund                 | 148,350,415          | 171,607,681          |
| Variable retirement investment trust fund             | <u>13,779,906</u>    | <u>15,124,163</u>    |
| Total investments                                     | <u>176,661,634</u>   | <u>196,599,506</u>   |
| Receivables   |                      |                      |
| Accrued interest receivable                           | <u>235</u>           | <u>7,891</u>         |
| Total assets  | <u>176,661,869</u>   | <u>196,607,397</u>   |
| <b>LIABILITIES</b>                                    |                      |                      |
| Benefits payable                                      | 1,521,230            | 1,422,006            |
| Administrative expenses payable                       | 30,024               | 47,174               |
| Payable for investments purchased                     | <u>4,648,612</u>     | <u>-</u>             |
| Total liabilities                                     | <u>6,199,866</u>     | <u>1,469,180</u>     |
| <b>NET POSITION RESTRICTED FOR PENSIONS</b>           | <u>\$170,462,003</u> | <u>\$195,138,217</u> |
| Net position restricted for pensions attributable to: |                      |                      |
| Nondedicated fund                                     | <u>\$170,462,003</u> | <u>\$195,138,217</u> |

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

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION  
FOR THE YEARS ENDED JUNE 30, 2022 AND 2021**

|   | <u>2022</u>          | <u>2021</u>          |
|---|----------------------|----------------------|
| <b>ADDITIONS</b>  |                      |                      |
| Investment income (loss):                                 |                      |                      |
| Net investment income (loss) from the State of Wisconsin: |                      |                      |
| Core retirement trust fund income                         | \$ (11,753,606)      | \$ 37,242,575        |
| Variable retirement trust fund income                     | (2,239,757)          | 5,884,550            |
| Investment income (loss) from other investments           | <u>(229,327)</u>     | <u>91,778</u>        |
| Total investment income (loss)                            | (14,222,690)         | 43,218,903           |
| Less: investment expenses                                 | <u>(107,594)</u>     | <u>(20,153)</u>      |
| Net investment income (loss)                              | (14,330,284)         | 43,198,750           |
| Employer contributions                                    | <u>7,286,185</u>     | <u>7,657,435</u>     |
| Total additions (deductions)                              | <u>(7,044,099)</u>   | <u>50,856,185</u>    |
| <b>DEDUCTIONS</b>   |                      |                      |
| Benefits paid to participants                             | 17,598,105           | 17,145,007           |
| Administrative expenses                                   | <u>34,010</u>        | <u>158,975</u>       |
| Total deductions  | <u>17,632,115</u>    | <u>17,303,982</u>    |
| Net increase (decrease) in net position                   | (24,676,214)         | 33,552,203           |
| <b>NET POSITION RESTRICTED FOR PENSIONS</b>               |                      |                      |
| Beginning of year   | <u>195,138,217</u>   | <u>161,586,014</u>   |
| End of year   | <u>\$170,462,003</u> | <u>\$195,138,217</u> |

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

# MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL EARLY RETIREMENT PLAN FOR TEACHERS

## NOTES TO FINANCIAL STATEMENTS As of and for the Years Ended June 30, 2022 and 2021

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### 1. DESCRIPTION OF THE PLAN

The Milwaukee Board of School Directors Supplemental Early Retirement Plan for Teachers (the Plan) is a single-employer defined benefit pension plan for certain employees of the Milwaukee Board of School Directors (MBSD). The Plan is administered by the MBSD. The following brief description is provided for general information purposes only. Participants should refer to the plan document for more complete information.

- a. *General* - The Plan is a defined benefit pension plan established to provide benefits after early retirement, which will supplement the pension benefits provided by the Wisconsin Retirement System (WRS). To be eligible for participation, an employee must be a teacher of the Milwaukee Public Schools (the District or MPS) who is in the collective bargaining unit represented by the Milwaukee Teachers' Education Association (MTEA) and who is participating as an active employee in the WRS. Such employees shall become participants in the Plan on the later of the effective date of the Plan or the date they become a participant in the WRS. Employees who first became participants before July 1, 1998, are vested upon participation. Employees who first became participants on or after July 1, 1998, are vested after being employed by the District for at least 15 years after July 1, 1998, in a position that is covered under the MBSD/MTEA teacher contract and that counts as creditable service under the WRS (but excluding periods of military service) and terminates employment with the District on or after the employee's 55<sup>th</sup> birthday.

Effective July 1, 2013, the Plan was amended as follows:

- Enrollment in the Plan was closed to any employees hired or rehired or transferred or demoted to the teacher unit until covered under the Plan on or after July 1, 2013; and
- Average monthly compensation was frozen as of July 1, 2013; and
- Creditable service was frozen for all Plan participants as of July 1, 2013; and
- Vesting service was frozen for employees hired or rehired or transferred or demoted to the teacher unit on or after July 1, 2013; and
- Participants in the Plan as of July 1, 2013 and who do not subsequently separate from service prior to eligibility for retirement shall continue to accrue vesting services under the Plan.

The Plan is classified as a "governmental plan" and is, therefore, exempt from the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

- b. *Retirement Benefits*- The Plan provides for early reduced retirement benefits to participants who are eligible and commence their WRS benefit after age 55 and prior to age 62 and provides early retirement benefits if they commence WRS benefits after age 62 but prior to age 65. Benefits are paid in the form of monthly payments based on compensation, years of service, and a defined maximum of average monthly compensation for the three fiscal years of highest earnings preceding the date of retirement. The Plan does not provide for any postretirement increases.
- c. *Reduction in Accrued Plan Liabilities* - Accrued plan liabilities are reduced by the amount attributed to employer contributions for employees who are not vested for benefits and who terminate participation under the Plan for reasons that include termination of employment. These employer contributions are applied to reduce the cost of the Plan and not to increase benefits otherwise payable to eligible participants.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**1. DESCRIPTION OF THE PLAN (cont.)**

d. *Plan Membership* – Plan membership consisted of the following:

|  | <b>July 1</b> |             |
|--|---------------|-------------|
|  | <b>2021</b>   | <b>2020</b> |
| Inactive plan members or beneficiaries<br>currently receiving benefits | 4,899         | 4,820       |
| Inactive members entitled to but not yet<br>receiving benefits         | 2,283         | 2,515       |
| Active plan members  | 2,194         | 2,336       |
|  | 9,376         | 9,671       |

Plan membership as of July 1, 2021 and 2020 is a close approximation of Plan membership as of June 30, 2022 and 2021. As the Plan was frozen as of July 1, 2013, the Plan membership as of July 1, 2020 was used as of June 30, 2022 (Measurement Date and Reporting Date for Net Pension Liability).

e. *Plan Administration* – Management of the Plan is vested in the Milwaukee Board of School Directors (Board), which consists of nine elected officials. The Board has authority to establish and amend benefit terms, actuary assumptions and funding of the actuarially determined contributions. The Board grants the plan administration authority and responsibilities to the District's administration.

**2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

The financial statements of the Plan have been prepared in accordance with accounting principles generally accepted in the United States of America (GAAP), as prescribed by the Governmental Accounting Standards Board (GASB). To facilitate the understanding of data included in the financial statements, summarized below are the more significant accounting policies.

- a. *Reporting Entity* – As defined by GAAP, the financial reporting entity consists of a primary government, as well as its component units, which are legally separate organizations for which the elected officials of the primary government are financially accountable. Based upon required criteria, the Plan has no component units. However, the Plan is included in the financial statements of the Milwaukee Public Schools as a pension trust fund.
- b. *Measurement Focus and Basis of Accounting* - The Plan's financial statements are prepared using the accrual basis of accounting. Plan member contributions are recognized in the period in which the contributions are due. Employer contributions to the Plan are recognized when due. Benefits and refunds are recognized when due and payable in accordance with the terms of the Plan. The Plan is accounted for on a flow of economic resources measurement focus. With this measurement focus, all assets and all liabilities associated with the operation of these funds are included on the Statements of Fiduciary Net Position.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

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**2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (cont.)**

- c. *Investment Valuation and Income Recognition* - Investments are recorded at fair value. Short-term investments include money market accounts and are reported at cost, which approximates fair value. The specific identification basis is used in the determination of realized gains and losses on sales of securities, excluding the investments in the State of Wisconsin Core Retirement Investment Trust Fund and the State of Wisconsin Variable Retirement Investment Trust Fund (collectively, the "Trusts"). Purchases and sales of securities are recorded on a trade-date basis.

The Plan's investments in the Trusts are stated at fair value. Quoted market prices are used to value investments in the Trusts. Net investment income (loss) in the Trusts consists of realized and unrealized gains and losses and investment income (net of fund investment fees).

Dividends and interest are recorded as earned. All dividend and interest income, and all realized investment gains and losses, are allocated to the individual funds based on fund balances at the beginning of the year.

Investment securities, in general, are exposed to various risks, such as interest rate, credit, and overall market volatility. Due to the level of risk associated with certain investment securities, it is reasonable possible that changes in the values of the investment securities will occur in the near terms and that such changes could materially affect the amounts reported in the Statements of Fiduciary Net Position.

- d. *Use of Estimates* – The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of additions and deductions of the Plan's net position during the reporting period. Actual results could differ from those estimates.
- e. *Contingencies* - Claims and judgments are recorded as liabilities if all the conditions of GASB pronouncements are met. Claims and judgments are recorded as expenses when the related liabilities are incurred.
- f. *Benefits Payable* – Plan benefits are paid on the first day of the month for the prior month. Hence, Plan benefits paid on July 1 for the month of June are accrued at Plan year-end on June 30.

*Due from Sale of Investments / Payable for Investments Purchased* – Due from sale of investments represents investments that have been paid for, however, confirmation of the investment into the portfolio has not been received. Payable for investments purchased is recorded when commitments to purchase an investment is made, but the money has not been transferred.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

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**3. PLAN TERMINATION**

Although the District has expressed no intent to terminate the plan agreement, it may do so at any time. In the event the Plan terminates, the net position of the Plan will be allocated, as prescribed by the plan provisions, generally to provide the following benefits in the order indicated:

1. To provide pensions for those persons who are receiving benefits under the Plan on the date of termination;
2. To provide pensions for participants who have attained age 62 prior to the date of termination;
3. To provide pensions for participants who have attained age 55 prior to the date of termination;
4. To provide benefits for all other participants according to the respective actuarial values of their accrued pension benefits as of the date of termination.

**4. CONTRIBUTIONS DETERMINED AND CONTRIBUTIONS MADE**

The Plan's funding policy provides for periodic employer contributions at actuarially determined rates that, expressed as percentages of annual covered payroll, are sufficient to accumulate assets to pay benefits when due. Level percentages of payroll employer contribution rates are determined using the entry age normal actuarial funding method.

The recommended contribution for the year ended June 30, 2022 of \$7,979,462 to the Plan is an actuarially determined contribution amount determined through an actuarial valuation performed at July 1, 2021. All recommended contributions for the year ended June 30, 2022 consisted of \$7,820,487 amortization of the unfunded actuarial accrued liability and administrative expenses of \$158,975 assuming a funding date of July 1, 2021.

The recommended contribution for the year ended June 30, 2021 of \$9,717,556 to the Plan is an actuarially determined contribution amount determined through an actuarial valuation performed at July 1, 2020. All recommended contributions for the year ended June 30, 2021 consisted of \$9,566,928 amortization of the unfunded actuarial accrued liability and administrative expenses of \$150,628 assuming a funding date of July 1, 2020.

The District actually contributed \$7,286,185 in the year ended June 30, 2022. As of June 30, 2022, the District has a cumulative credit (prepayment) of \$7,545,564 (including net interest of \$30,250) to be used for the subsequent year's recommended contributions, which are based on estimates provided by the Plan's actuary.

The District actually contributed \$7,657,435 in the year ended June 30, 2021. As of June 30, 2021, the District has a cumulative credit (prepayment) of \$8,208,590 (including net interest of \$49,861) to be used for the subsequent year's recommended contributions, which are based on estimates provided by the Plan's actuary.



**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**4. CONTRIBUTIONS DETERMINED AND CONTRIBUTIONS MADE (cont.)**

Based on the funding assumptions, the unfunded actuarial liability, for the year ended June 30, 2022 and June 30, 2021 is being amortized over 25 years, except for the Additional Deferred Vested Liability, which is amortized over 15 years. The annual amortization is included in the recommended contributions.

The Schedule of Changes in Net Pension Liability and Related Ratios and Schedule of Contributions are presented as required supplementary information following the notes to the financial statements.

These schedules present information about the Plan fiduciary net position relative to the total pension liability for fiscal year ending June 30, 2022 and contributions made in the past ten years.

**5. NET PENSION LIABILITY**

The components of the net pension liability for the year ending June 30, 2022 and 2021, were as follows:

|  | <u>2022</u>          | <u>2021</u>          |
|--|----------------------|----------------------|
| Total pension liability  | \$222,381,370        | \$ 227,078,100       |
| Plan fiduciary net position  | <u>(170,462,003)</u> | <u>(195,138,217)</u> |
| Net pension liability  | <u>\$ 51,919,367</u> | <u>\$ 31,939,883</u> |
| Plan fiduciary net position as a percentage of total pension liability | 76.7%                | 85.9%                |
| Net pension liability as a percentage of covered payroll               | 38.4%                | 18.6%                |

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**5. NET PENSION LIABILITY (cont.)**

Changes in the net pension liability for the years ending June 30, 2022 and 2021, were as follows:

|  | Total Pension<br>Liability   | Plan Fiduciary<br>Net Position | Net<br>Pension Liability    |
|--|------------------------------|--------------------------------|-----------------------------|
| <b>Balances as of 6/30/2021</b>                    | <u>\$ 227,078,100</u>        | <u>\$ 195,138,217</u>          | <u>\$ 31,939,883</u>        |
| <b>Changes for the year:</b>                       |                              |                                |                             |
| Interest   | 14,627,051                   | -                              | 14,627,051                  |
| Differences between expected and<br>actual expense | (1,725,676)                  | -                              | (1,725,676)                 |
| Contributions - employer                           | -                            | 7,286,185                      | (7,286,185)                 |
| Net investment income                              | -                            | (14,330,284)                   | 14,330,284                  |
| Benefit payments                                   | (17,598,105)                 | (17,598,105)                   | -                           |
| Administrative expense                             | -                            | (34,010)                       | 34,010                      |
| <b>Net changes</b>                                 | <u>(4,696,730)</u>           | <u>(24,676,214)</u>            | <u>19,979,484</u>           |
| <b>Balances as of 6/30/2022</b>                    | <u><u>\$ 222,381,370</u></u> | <u><u>\$ 170,462,003</u></u>   | <u><u>\$ 51,919,367</u></u> |

|  | Total Pension<br>Liability   | Plan Fiduciary<br>Net Position | Net<br>Pension Liability    |
|--|------------------------------|--------------------------------|-----------------------------|
| <b>Balances as of 6/30/2020</b>                    | <u>\$ 232,475,108</u>        | <u>\$ 161,586,014</u>          | <u>\$ 70,889,094</u>        |
| <b>Changes for the year:</b>                       |                              |                                |                             |
| Interest   | 14,965,029                   | -                              | 14,965,029                  |
| Differences between expected and<br>actual expense | (4,166,782)                  | -                              | (4,166,782)                 |
| Assumption changes                                 | 949,752                      | -                              | 949,752                     |
| Contributions - employer                           | -                            | 7,657,435                      | (7,657,435)                 |
| Net investment income                              | -                            | 43,198,750                     | (43,198,750)                |
| Benefit payments                                   | (17,145,007)                 | (17,145,007)                   | -                           |
| Administrative expense                             | -                            | (158,975)                      | 158,975                     |
| <b>Net changes</b>                                 | <u>(5,397,008)</u>           | <u>33,552,203</u>              | <u>(38,949,211)</u>         |
| <b>Balances as of 6/30/2021</b>                    | <u><u>\$ 227,078,100</u></u> | <u><u>\$ 195,138,217</u></u>   | <u><u>\$ 31,939,883</u></u> |

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**5. NET PENSION LIABILITY (cont.)**

*Actuarial Assumptions:* In March 2019, the Plan actuary performed an experience study based on actuarial valuations for the period July 1, 2012 to July 1, 2017. Based on this study the following assumptions were implemented effective for the July 1, 2018 actuarial valuation. The total pension liability was determined by an actuarial valuation as of July 1, 2021 and data rolled forward to June 30, 2022, above using the following actuarial methods and assumptions:

|                           |   |
|---------------------------|---|
| Actuarial cost method     | Entry Age Normal  |
| Actuarial Value of Assets | 5-year smoothed market  |
| Inflation                 | Price Inflation 0.0%  |
| Salary increases          | No longer required as Plan was frozen effective July 1, 2013. Therefore salary increases after this date will not be considered pensionable under the Plan.   |
| Investment rate of return | 6.75% net of investment expenses  |
| Mortality rate            | Based on RP-2014 White Collar Healthy Annuitant Mortality Table the scaling factors are 98% for men and 96% for women with generational mortality improvement using MP-2018 2-dimensional mortality improvement scales. |

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Best estimates of geometric real rates of return for each major asset class as of December 31, 2021 and 2020 are as follows:

| <u>Asset Class</u>          | <u>2021</u>       |  | <u>2020</u>       |  |
|-----------------------------|-------------------|--|-------------------|--|
|                             | Actual Allocation | Long-Term Expected Real Rate of Return | Actual Allocation | Long-Term Expected Real Rate of Return |
| <u>SWIB Core Fund</u>       |                   |  |                   |  |
| Global Equities             | 52.00%            | 4.20%                                  | 51.00%            | 4.70%                                  |
| Fixed Income                | 25.00%            | 1.80%                                  | 25.00%            | 0.80%                                  |
| Inflation Sensitive Assets  | 19.00%            | 0.20%                                  | 16.00%            | (0.40%)                                |
| Real Estate                 | 7.00%             | 3.00%                                  | 11.00%            | 7.60%                                  |
| Private Equity/Debt         | 12.00%            | 7.00%                                  | 8.00%             | 3.10%                                  |
| Multi-Asset                 | 0.00%             | 0.00%                                  | 4.00%             | 3.30%                                  |
| Cash                        | (15.00%)          | 0.00%                                  | (15.00%)          | 0.00%                                  |
| Portfolio Target Allocation | 85.00%            |  | 85.00%            |  |

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**5. NET PENSION LIABILITY (cont.)**

| <u>Asset Class</u>             | <u>2021</u>       |  | <u>2020</u>       |  |
|--------------------------------|-------------------|--|-------------------|--|
|                                | Actual Allocation | Long-Term Expected Real Rate of Return | Actual Allocation | Long-Term Expected Real Rate of Return |
| <u>SWIB Variable Fund</u>      |                   |  |                   |  |
| Domestic Equity                | 70.00%            | 3.70%                                  | 70.00%            | 4.10%                                  |
| International Equity           | 30.00%            | 4.60%                                  | 30.00%            | 4.90%                                  |
| Portfolio Target Allocation    | 10.00%            |  | 10.00%            |  |
| <u>BMO Fund</u>                |                   |  |                   |  |
| Intermediate Fixed Income      | 100.00%           |  | 100.00%           |  |
| Portfolio Target Allocation    | 5.00%             |  | 5.00%             |  |
| Long-Term Inflation Assumption |                   | 2.50%                                  |                   | 2.40%                                  |

*Single Discount Rate:* The Plan is closed to future members, and the funding policy is projected to fully finance plan liabilities in the future. Actuarially determined contributions will be adjusted in the future, as experience emerges, to ensure that retiree benefits are paid.

A single discount rate of 6.75% was used to measure the total pension liability. This single discount rate was based on the expected rate of return on pension plan investments of 6.75%. The projection of cash flows used to determine this single discount rate assumed that the plan sponsor would make the actuarially determined contribution as defined by the funding policy. Based on these assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

*Sensitivity of Net Pension Asset to the Single Discount Rate Assumption:* Regarding the sensitivity of the net pension liability to changes in the single discount rate, the following presents the Plan's net pension liability, calculated using a single discount rate of 6.75% for 2022 and 2021, as well as what the Plan's net pension liability would be if it were calculated using a single discount rate that is 1-percentage-point lower (5.75%) or 1-percentage-point higher (7.75%) for the year ending June 30, 2022 and 2021.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**5. NET PENSION LIABILITY (cont.)**

|                            | <b>1% Decrease<br/>5.75%</b> | <b>Current Single Discount<br/>Rate Assumption<br/>6.75%</b> | <b>1% Increase<br/>7.75%</b> |
|----------------------------|------------------------------|--|------------------------------|
| 2022 Net Pension Liability | \$72,826,240                 | \$51,919,367   | \$34,157,095                 |
|                            | <b>1% Decrease<br/>5.75%</b> | <b>Current Single Discount<br/>Rate Assumption<br/>6.75%</b> | <b>1% Increase<br/>7.75%</b> |
| 2021 Net Pension Liability | \$53,898,448                 | \$31,939,883   | \$13,260,153                 |

**6. INVESTMENTS**

The following table presents a summarization of the fair values of the Plan's investments at June 30, 2022 and 2021. All categorized investments unregistered are held by the counterparty or by its trust department or agent but not in the Plan's name for the facilitation of trading by the Plan's investment managers. Money market accounts and investments in State of Wisconsin Core Retirement Investment Trust Fund (the "Core Trust") and Variable Retirement Investment Trust Fund (the "Variable Trust") are not categorized because the relationship between the fund and the investment agent is a direct contractual relationship and a transferable instrument that evidences ownership or creditorship does not support the investments.

|   | <b>June 30</b> |               |
|---|----------------|---------------|
|   | <b>2022</b>    | <b>2021</b>   |
| Categorized:                              |                |               |
| Nongovernmental obligations               | \$8,395,033    | \$5,499,525   |
| Non-categorized:                          |                |               |
| Money market accounts                     | 6,136,280      | 4,368,137     |
| Investment in the State of Wisconsin      |                |               |
| Core retirement investment trust fund     | 148,350,415    | 171,607,681   |
| Variable retirement investment trust fund | 13,779,906     | 15,124,163    |
| Total Investments                         | \$176,661,634  | \$196,599,506 |

The Plan's investments in the Core Trust and the Variable Trust were established for the investment of assets of the Plan and several other governmental-sponsored retirement plans. Each participating retirement plan has an undivided interest in the Trusts. The assets of the Trusts are held by the State of Wisconsin and BMO Global Asset Management ("BMO" or the "Trustee") and each exceeds 5% of the net position restricted for pensions. At June 30, 2022 and 2021, the Plan's interest in the plan net position of the Core Trust was approximately 0.109% and 0.143% respectively, and the Plan's interest in the plan net position of the Variable Trust was approximately 0.126% and 0.158%, respectively. Investment income and administrative expenses relating to the Trusts are allocated to the individual plans based upon average monthly balances invested by each plan. The Core Trust

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

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**6. INVESTMENTS (cont)**

invests primarily in equity and fixed income securities, while the Variable Trust invests primarily in equity securities.

The Plan invests in accordance with the Plan's investment policy. The Plan did not have any investments in mortgage backed securities as of June 30, 2022 and June 30, 2021.

Also, in accordance with the Plan's investment policy, the Plan invests in nongovernmental obligations (4.75% and 2.80% of plan assets in 2022 and 2021, respectively). These securities are reported at fair value in the statements of fiduciary net position.

For the year ended June 30, 2022 and 2021, the annual money-weighted rate of return on Plan investments, net of pension plan investment expense, was (7.6%) and 27.8%, respectively. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

**7. DEPOSIT AND INVESTMENT RISK**

The Trustees of the Plan have adopted a Statement of Investment Policy (the "Policy"). It articulates asset allocation targets; guidelines for interest rate risk, credit risk, and concentration of credit risk for separately managed portfolios; and performance benchmarks. Under Wisconsin statutes, equities, other than investments in the State of Wisconsin Employee Trust Funds ("SWIB funds"), are subject to the statutory limitation that they may not exceed 50% of the market value of the plan assets. The Plan has no equity investments other than those in the SWIB funds. The Policy targets equities in the SWIB Variable Fund to equal 150% of the amount in Fixed Income securities at BMO, with the remainder of the portfolio allocated to the SWIB Core Fund. The Policy target for Fixed Income is the sum of six months benefit payments plus six months administrative expense. The portfolio is rebalanced toward the Policy targets quarterly. On June 30, 2022, the SWIB Core Fund strategic targets were 45% to Global Stocks, 43% to Fixed Income, 9% to Real Estate, and 18% to Alternative Investments. On June 30, 2021, the SWIB Core Fund strategic targets were 52% to Global Stocks, 42% to Fixed Income, 6% to Real Estate, and 15% to Alternative Investments. The strategic target allocations total 115% on June 30, 2022 and 2021, reflecting the possibility of introducing leverage into the portfolio. On June 30, 2022, the SWIB Variable Fund strategic targets were 70% to U.S. Stocks, 30% to International Stocks, and 0% to Alternative Investments. On June 30, 2021, the SWIB Variable Fund strategic targets were 70% to U.S. Stocks, 30% to International Stocks, and 0% to Alternative Investments.

Under the SWIB Investment Policy, the Core and Variable Fund asset allocations will be reviewed monthly for potential rebalancing. For the SWIB funds, when a major liquid asset class (i.e., Total Public Equities, Total Public Fixed Income) exceeds its target allocation by plus or minus 4%, a rebalancing exercise will be initiated. The Plan's investment portfolio (the Fund) has two investment managers: the State of Wisconsin Investment Board (SWIB) and BMO. Each investment manager is responsible for managing the portion of the Fund assets under its control in accordance with its policy and guidelines. BMO is also responsible for managing its Plan portfolios in accordance with the guidelines adopted by the Trustees. Milwaukee Public Schools completes a comprehensive review of the Fund relative to the Policy on an annual basis.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**7. DEPOSIT AND INVESTMENT RISK (cont.)**

A. Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. Milwaukee Public Schools uses both duration and weighted average maturity as methods of monitoring interest rate risk. SWIB data is expressed in terms of modified duration and option adjusted duration. Modified duration, which is stated in years, is the measure of price sensitivity of a fixed income security to an interest rate change of 100 basis points. The calculation is based on the weighted average of the present value of all cash flows. Some pooled investments are analyzed using an option adjusted duration calculation which is similar to the modified duration method. Option adjusted duration incorporates the duration shortening effect of any embedded call provisions in securities.

The following schedule summarizes the duration and fair value of the investments at BMO as of June 30, 2022 and the fair value at SWIB as of June 30, 2022.

| <u>Investments</u>                                     | <u>Duration (Years)</u>   | <u>Fair Value</u> |
|--|---|-------------------|
| SWIB Core and<br>Variable Funds                        | Details on the SWIB fixed income<br>investments as of 12/31/2021 are<br>included below. | \$162,130,321     |
| Money market accounts (at BMO)<br>And Cash Equivalents | 0.19  | \$6,136,280       |
| Mutual Funds (at BMO)                                  | 3.96  | \$8,395,033       |

SWIB information is provided within the accompanying financial statement as of December 31, 2021. There has been no significant changes in SWIB's investment strategies, asset allocations and investment pricing methods from December 31, 2021 to June 30, 2022. Based on SWIB information, the District feels the information presented for SWIB Investments as of December 31, 2021 is a fair representation for June 30, 2022.

The following schedule displays the duration or weighted average maturity of the investments by type of investment at SWIB as of December 31, 2021.

| <u>SWIB Investments</u>                   | <u>Duration (Years)</u> | <u>Fair Value</u> |
|---|-------------------------|-------------------|
| Asset Backed Securities                   | 3.3                     | \$ 833 Million    |
| Commercial Paper                          | 69 days                 | \$ 284 Million    |
| Corporate Bonds and<br>Private Placements | 6.9                     | \$ 14,676 Million |
| Foreign Gov./Agency Bonds.                | 7.2                     | \$ 2,269 Million  |
| Municipal Bonds                           | 11.5                    | \$ 189 Million    |
| Repurchase Agreements                     | 3 days                  | \$ 269 Million    |
| U.S Government Agencies                   | 4.8                     | \$ 2,313 Million  |
| U.S. TIPS                                 | 7.6                     | \$21,183 Million  |
| U.S Treasury Securities                   | 8.5                     | \$ 5,577 Million  |
| Commingled Funds                          | 57 days to 7.6          | \$ 7,092 Million  |

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**7. DEPOSIT AND INVESTMENT RISK (cont.)**

Note: On December 31, 2021, SWIB's Core Fund and Variable Fund had \$136 billion and \$10.9 billion in assets, respectively. As of June 30, 2021, the Plan's assets were invested 84% in the SWIB Core Fund, 8% in the SWIB Variable Fund, and 8% in portfolios managed by BMO. For SWIB, the duration of each U.S. Fixed Income portfolio shall remain within 15% of the assigned benchmark's duration. For the bond portfolio for the payment of benefits and expenses, the duration will be within a range of 50% to 150% of the duration of the benchmark index.

The following schedule summarizes the duration and fair value of the investments at BMO as of June 30, 2021 and the fair value at SWIB as of June 30, 2020.

| <u>Investments</u>                                  | <u>Duration (Years)</u>   | <u>Fair Value</u> |
|---|---|-------------------|
| SWIB Core and Variable Funds                        | Details on the SWIB fixed income investments as of 12/31/2020 are included below. | \$186,731,844     |
| Money market accounts (at BMO) And Cash Equivalents | 0.08  | \$4,368,137       |
| Mutual Funds (at BMO)                               | 4.10  | \$5,499,525       |

SWIB information provided within the accompanying financial statement is as of December 31, 2020. There has been no significant change in SWIB's investment strategies, asset allocations and investment pricing methods from December 31, 2020 to June 30, 2021. Based on SWIB information, the District feels the information presented for SWIB Investments as of December 31, 2020 is a fair representation for June 30, 2021.

The following schedule displays the duration or weighted average maturity of the investments by type of investment at SWIB as of December 31, 2020.

| <u>SWIB Investments</u>                | <u>Duration (Years)</u> | <u>Fair Value</u> |
|--|-------------------------|-------------------|
| Asset Backed Securities                | 3.2                     | \$ 355 Million    |
| Commercial Paper                       | 93 days                 | \$ 140 Million    |
| Corporate Bonds and Private Placements | 7.3                     | \$ 13,110 Million |
| Foreign Gov./Agency Bonds.             | 8.1                     | \$ 2,022 Million  |
| Municipal Bonds                        | 11.9                    | \$ 154 Million    |
| Repurchase Agreements                  | 4 days                  | \$ 734 Million    |
| U.S Government Agencies                | 3.1                     | \$ 2,294 Million  |
| U.S. TIPS                              | 7.6                     | \$18,692 Million  |
| U.S Treasury Securities                | 9.2                     | \$ 4,866 Million  |
| Commingled Funds                       | 37 days to 7.2          | \$ 6,292 Million  |

Note: On June 30, 2021, SWIB's Core Fund and Variable Fund had \$120.1 billion and \$9.5 billion in assets, respectively. As of June 30, 2021, the Plan's assets were invested 87% in the SWIB Core Fund, 8% in the SWIB Variable Fund, and 5% in portfolios managed by BMO. For SWIB, the duration of each U.S. Fixed Income portfolio shall remain within 15% of the assigned benchmark's duration. For the bond portfolio for the payment of benefits and expenses, the duration will be within a range of 50% to 150% of the duration of the benchmark index.



**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**7. DEPOSIT AND INVESTMENT RISK (cont.)**

B. Credit Risk

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The following schedule displays the credit quality percentage distributions of the fixed income investments in the SWIB Core and Variable Funds as of December 31, 2021 and December 31, 2020 and in the separate accounts managed by BMO on June 30, 2022 and June 30, 2021. For SWIB, the schedule displays the lowest credit rating assigned by several nationally recognized statistical rating organizations.

| Rating*                            | SWIB       |            | BMO       |           |
|------------------------------------|------------|------------|-----------|-----------|
|                                    | 12/31/2021 | 12/31/2020 | 6/30/2022 | 6/30/2021 |
| P-1 or A-1                         | 0.10%      | 0.10%      | N/A       | N/A       |
| P-2 or A-2                         | 0.40%      | 0.20%      | N/A       | N/A       |
| UST and AGY                        | N/A**      | N/A**      | N/A       | N/A       |
| AAA/Aaa                            | 1.00%      | 0.70%      | 42.0%     | 44.0%     |
| AA/Aa                              | 54.30%     | 54.80%     | N/A       | N/A       |
| A                                  | 5.60%      | 6.20%      | N/A       | N/A       |
| BBB/ Baa                           | 13.90%     | 13.60%     | N/A       | N/A       |
| BB/Ba                              | 4.40%      | 4.10%      | N/A       | N/A       |
| B                                  | 3.60%      | 2.90%      | N/A       | N/A       |
| CCC/Caa                            | 1.50%      | 0.70%      | N/A       | N/A       |
| CC/Ca                              | N/A        | N/A        | N/A       | N/A       |
| C                                  | N/A        | N/A        | N/A       | N/A       |
| D                                  | N/A        | N/A        | N/A       | N/A       |
| Commingled Funds<br>& Mutual Funds | 12.50%     | 13.00%     | 58.00%    | 56.00%    |
| Not-Rated                          | 2.70%      | 3.70%      | 0%        | 0%        |

\*As defined by Moody's Bond Ratings or Standard and Poor's

\*\*As of 12/31/13 SWIB's holdings of UST and AGY are included in the "AA" category.

\*\*\*Additional information on the Fixed Income Fund Commingled Funds in the SWIB portfolio is in the table labeled "Investments Measured at Net Asset Value." The weighted average quality of the mutual funds in the BMO Portfolio was A (excluding BMO's money market fund and cash equivalents which were rated AAA).

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

---

**7. DEPOSIT AND INVESTMENT RISK (cont.)**

SWIB's Core Fund's Government/Credit Portfolio shall maintain an average quality rating of A or better. Non-Investment Grade securities shall not exceed 15% of the portfolio's market value. For SWIB's Global Bond Portfolio, overall portfolio quality must be maintained at an average rating of A or better. Corporate securities may not exceed 20% of the portfolio's market value and must be rated at least "B-" and above. Corporate securities rated "BB+" or lower but no lower than "B-" may not exceed 5% of the portfolio's market value. Emerging market sovereign debt is limited to (a) securities that are rated "B-" or above and (b) debt of countries in the J.P. Morgan Emerging Market Bond Index Global Diversified; Emerging market corporate debt is limited to (a) securities that are rated "B-" or above and (b) issuers in the Bloomberg Barclays US Credit Index. Relative emerging market debt shall not exceed 10% of the portfolio's market value.

**C. Custodial Credit Risk**

The Plan does not have a deposit or investment policy specifically related to custodial credit risk. The Plan's assets are restricted to investments in the SWIB Core and Variable Funds and in portfolios at BMO.

*Deposits* - Custodial credit risk for deposits is the risk that, in the event of the failure of a depository financial institution, the fund will not be able to recover deposits that are in the possession of an outside party. SWIB had uninsured and uncollateralized deposits totaling \$461.1 million and \$303.4 million on December 31, 2021 and December 31, 2020, respectively. In addition, SWIB held certificates of deposit which were covered by depository insurance with a fair value of \$36.2 million and \$383.4 million on December 31, 2021 and 2020 respectively. In total, these deposits represented 0.34% and 0.53% of the combined assets of the SWIB Core and Variable Funds, on December 31, 2021 and on December 31, 2020, respectively.

*Investments* - Custodial credit risk for investments is the risk that, in the event of the failure of a counterparty to a transaction, SWIB will not be able to recover the value of investments that are in the possession of an outside party. The Retirement Funds held repurchase agreements totaling \$268.8 million as of December 31, 2021 and \$733.8 million as of December 31, 2020. All of these repurchase agreements were tri-party agreements held in short-term cash management portfolios managed by SWIB's custodian. The underlying securities for these repurchase agreements were held by the tri-party's agent, not in SWIB's name. These agreements represented 0.18% and 0.57% of the combined assets of the SWIB Core and Variable Funds on December 31, 2021 and December 31, 2020, respectively.

**D. Concentration of Credit Risk**

Concentration of credit risk is the risk of loss attributed to the magnitude of a fund's investment in a single issuer. SWIB limits concentrations of credit risk by establishing investment guidelines for individual portfolios or groups of portfolios (excluding U.S. Government and Agency Securities) that generally restrict issuer concentrations in any one company or Rule 144A securities to less than 5% of the portfolio's market value. For the other separately managed portfolios, the policy guidelines specify that individual securities (excluding U.S. Government and Agency securities) in a separate portfolio should not exceed 7% of the value of that portfolio. None of the securities in these portfolios represented more than 5% of the market value of the Fund.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

---

**7. DEPOSIT AND INVESTMENT RISK (cont.)**

E. Foreign Currency Risk

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or deposit. As of December 31, 2021, \$22.1 billion of the SWIB Core and Variable Funds' currency exposure was denominated in foreign currency. As of December 31, 2020, \$21.3 billion of the SWIB Core and Variable Funds' currency exposure was denominated in foreign currency. For the BMO managed portfolios, there was no foreign currency exposure.

The risk definitions noted above are from the GASB. The data, risk descriptions, and guidelines for the SWIB Funds were provided by SWIB and the data for the other investment types were provided by BMO.

**8. DERIVATIVE INVESTMENTS**

The Plan holds investments in SWIB Funds, which may enter into a variety of financial contracts, including futures and options, primarily to enhance performance, reduce volatility of the portfolio, and aid in cash flow management. SWIB also enters into foreign exchange positions, such as forward and spot contracts, to obtain or hedge foreign currency exposure. The financial contracts are included in SWIB Variable and Core Investments on the Statement of Net Investment Position. At June 30, 2022 and 2021, the Plan's interest in the SWIB Core Trust was approximately 0.109% and 0.143%, respectively, and the Plan's interest in the plan net position of the Variable Trust was approximately 0.126% and 0.158%, respectively. The SWIB Funds are exposed to credit risk in the event of non-performance by counterparties to financial instruments. Exposure to market risk, the risk that future changes in market conditions may make an instrument less valuable, is managed in accordance with risk limits through buying or selling instruments or entering into offsetting positions.

A financial futures contract is an exchange traded agreement to buy or sell a financial instrument at an agreed upon price and time in the future. Futures contracts are marked to market daily, based upon the closing market price of the contract at the board of trade or exchange on which they are traded. The resulting gain or loss is typically received or paid the following day until the contract expires. Futures contracts involve, to varying degrees, risk of loss in excess of the variation margin.

Losses may arise from future changes in the value of the underlying instrument. Substantially all future contracts have a maturity date of less than one year.

Option contracts give the purchaser of the contract the right to buy (call) or sell (put) the security or index underlying the contract at an agreed upon price on or before the expiration of the option contract. The fair value of option contracts is based upon the closing market price of the contract. The seller of the contract is subject to market risk, while the purchaser is subject to credit risk and market risk to the extent of the premium paid to enter into the contract.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**8. DERIVATIVE INVESTMENTS (cont.)**

Foreign exchange contracts involve an agreement to exchange the currency of one country for the currency of another country at an agreed-upon price and settlement date. Spot and forward contracts entered into by SWIB are over-the-counter contracts, entered into with various counterparties. These contracts are valued daily, and guidelines have been established which provide minimum credit ratings for counterparties. Losses may arise from future changes in value of the underlying currency, or if the counterparties do not perform under the terms of the contract.

The following table summarizes the aggregate notional or fair value amounts for SWIB's derivative financial instruments at December 31, 2021 and December 31, 2020 (in thousands):

|  | <u>12/31/2021</u> | <u>12/31/2020</u> |
|--|-------------------|-------------------|
| Future contracts (Notional)  | \$ 9,207,738      | \$ 6,690,857      |
| Foreign currency spot and forward<br>contracts -- Receivable (Fair Value)                                | \$ 4,217,104      | \$ 4,576,239      |
| Foreign currency spot and forward<br>contracts -- Payable (Fair Value)                                   | \$ (4,213,310)    | \$ (4,561,108)    |
| OTC Derivative Investments subject to<br>Counterparty Credit Risk – Receivable (Fair Value)              | \$ 7,717,038      | \$ 8,402,162      |
| OTC Derivative Investments subject to<br>Counterparty Credit Risk – Receivable (Payable)<br>(Fair Value) | \$ 26,225         | \$ (10,156)       |
| Options – puts (Notional)  | \$ (432,124)      | \$ (880,458)      |
| Options – calls (Notional)   | \$ (34,435)       | \$ (36,096)       |

**9. FAIR VALUE MEASUREMENTS**

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (level 1) and the lowest priority to unobservable inputs (level 3). The three levels of the fair value hierarchy under authoritative guidance are described as follows:

- Level 1 - Investments reflect unadjusted quoted prices in active markets for identical assets.
- Level 2 - Investments reflect prices that are based on inputs that are either directly or indirectly observable for an asset (including quoted prices for similar assets), which may include inputs in markets that are not considered to be active.
- Level 3 - Investments reflect process based upon valuation techniques in which significant inputs or significant value drivers are unobservable.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**9. FAIR VALUE MEASUREMENTS (cont.)**

The asset's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs.

The following is a description of the valuation methodologies used for BMO assets measured at fair value. There were no changes to the methodologies during the years ended June 30, 2021 and 2020.

Money market accounts: Valued at the quoted net asset value (NAV) of shares held by the Plan at year end.

Mutual funds: Mutual funds are valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end mutual funds that are registered with the U.S. Securities and Exchange Commission. These funds are required to publish their daily NAV and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

The plan sponsor is responsible for the determination of fair value. The plan sponsor has not historically adjusted the prices obtained from pricing services. The preceding methods described may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The following tables set forth by level, within the fair value hierarchy, the Plan's investments held at BMO at fair value as of June 30, 2022 and 2021

|   | June 30, 2022 |              |         |               |
|---|---------------|--------------|---------|---------------|
|   | Level 1       | Level 2      | Level 3 | Total         |
| Money market accounts                               | \$ -          | \$ 6,136,280 | \$ -    | \$ 6,136,280  |
| Mutual funds:                                       |               |              |         |               |
| Intermediate-Term<br>Investment Grade Bond<br>Funds | 8,395,033     | -            | -       | 8,395,033     |
| Investments at fair value                           | \$ 8,395,033  | \$ 6,136,280 | \$ -    | \$ 14,531,313 |

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**9. FAIR VALUE MEASUREMENTS (cont.)**

|   | June 30, 2021         |                     |                       |                     |
|---|-----------------------|---------------------|-----------------------|---------------------|
|   | Level 1               | Level 2             | Level 3               | Total               |
| Money market accounts                               | \$ <u>          -</u> | \$ <u>4,368,137</u> | \$ <u>          -</u> | \$ <u>4,368,137</u> |
| Mutual funds:                                       |                       |                     |                       |                     |
| Short-Term Investment<br>Grade Bond Funds           | <u>3,167,948</u>      | <u>          -</u>  | <u>          -</u>    | <u>3,167,948</u>    |
| Intermediate-Term<br>Investment Grade Bond<br>Funds | <u>2,331,577</u>      | <u>          -</u>  | <u>          -</u>    | <u>2,331,577</u>    |
| Investments at fair value                           | <u>\$ 5,499,525</u>   | <u>\$ 4,368,137</u> | <u>\$          -</u>  | <u>\$ 9,867,662</u> |

Short-Term Investment Grade Bond Funds include funds with a duration of less than three years and Intermediate-Term Investment Grade Bond Funds include funds with a duration greater than three years.

The following is a description of the valuation methodologies used for SWIB assets measured at fair value. There are no changes to the methodologies during the years ended December 31, 2021 and December 31, 2020.

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

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

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

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**9. FAIR VALUE MEASUREMENTS (cont.)**

Level 3 investments are generally valued using significant inputs that are unobservable to the marketplace. This may occur if an investment is illiquid or its value is based on estimates. For the WRS, such investments primarily include directly-held real estate, valued using appraisals and, as such, rely on unobservable inputs. Asset Backed Securities included in level 3 represent private placements that are valued at purchase price because third-party valuations are unavailable. Equities, convertibles, and preferred securities included in the Level 3 hierarchy are generally privately-held securities valued using valuation models such as price multiples incorporating public company comparables, discounted cash flows and milestone valuation models. In some instances of privately-held preferred securities, valuation is determined based on recent financing rounds. Bank loans, which represent the majority of corporate bonds and private placements in the Level 3 category, are priced by vendors using proprietary models which may incorporate unobservable inputs. Cash and Cash Equivalents included in Level 3 represent securities priced at cost. Typically, due to their short-term nature, cost approximates fair value for these investments. Other factors such as infrequent trading, inactive market, or adjusted quoted prices may also result in Level 3 measurements.

SWIB Investments by Fair Value Level as of December 31, 2021 and 2020 (in thousands) are noted in the following tables.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**9. FAIR VALUE MEASUREMENTS (cont.)**

**Investments by Fair Value Level as of December 31, 2021 (in thousands)**

| Asset Type                                   | Level 1              | Level 2              | Level 3           | TOTAL                 |
|--|----------------------|----------------------|-------------------|-----------------------|
| <b>Cash Equivalents</b>                      |                      |                      |                   |                       |
| Certificates of Deposit                      | \$ -                 | \$ 9,008             | \$ 15,005         | \$ 24,013             |
| Commercial Paper                             | -                    | -                    | 180,510           | 180,510               |
| Money Markets                                | <u>250,005</u>       | <u>-</u>             | <u>-</u>          | <u>250,005</u>        |
| <b>Total Cash Equivalents</b>                | <b>250,005</b>       | <b>9,008</b>         | <b>195,515</b>    | <b>454,528</b>        |
| <b>Stocks</b>                                |                      |                      |                   |                       |
| Domestic                                     | 50,086,973           | 57                   | 93,048            | 50,180,078            |
| International                                | <u>22,942,766</u>    | <u>165</u>           | <u>11,166</u>     | <u>22,954,097</u>     |
| <b>Total Stocks</b>                          | <b>73,029,739</b>    | <b>222</b>           | <b>104,214</b>    | <b>73,134,175</b>     |
| <b>Fixed Income</b>                          |                      |                      |                   |                       |
| Asset Backed Securities                      | -                    | 811,356              | 21,508            | 832,864               |
| Corporate Bonds & Private Placements         | -                    | 14,405,143           | 65,277            | 14,470,420            |
| Foreign Government/Agency Bonds              | -                    | 2,268,939            | -                 | 2,268,939             |
| Municipal Bonds                              | -                    | 188,657              | -                 | 188,657               |
| U.S. Government Agencies                     | -                    | 2,312,676            | -                 | 2,312,676             |
| U.S. Treasury Inflation Protected Securities | -                    | 21,183,186           | -                 | 21,183,186            |
| U.S. Treasury Securities                     | 38,476               | 5,538,222            | -                 | 5,576,698             |
| Exchange Traded Funds                        | <u>465,891</u>       | <u>-</u>             | <u>-</u>          | <u>465,891</u>        |
| <b>Total Fixed Income</b>                    | <b>504,367</b>       | <b>46,708,179</b>    | <b>86,785</b>     | <b>47,299,331</b>     |
| <b>Real Estate</b>                           | <b>-</b>             | <b>-</b>             | <b>-</b>          | <b>-</b>              |
| <b>Preferred Securities</b>                  |                      |                      |                   |                       |
| Domestic                                     | 1                    | 229,440              | 232,989           | 462,430               |
| International                                | <u>240,882</u>       | <u>-</u>             | <u>-</u>          | <u>240,882</u>        |
| <b>Total Preferred Securities</b>            | <b>240,883</b>       | <b>229,440</b>       | <b>232,989</b>    | <b>703,312</b>        |
| <b>Convertibles</b>                          | <b>-</b>             | <b>63</b>            | <b>2,090</b>      | <b>2,153</b>          |
| <b>Derivatives</b>                           |                      |                      |                   |                       |
| Foreign Exchange Contracts                   | -                    | 3,793                | -                 | 3,793                 |
| Futures                                      | 76,789               | -                    | -                 | 76,789                |
| Options                                      | (1,946)              | -                    | -                 | (1,946)               |
| Swaps  | -                    | 25,689               | -                 | 25,689                |
| To Be Announced Securities                   | <u>-</u>             | <u>2,899,255</u>     | <u>-</u>          | <u>2,899,255</u>      |
| <b>Total Derivatives</b>                     | <b>74,843</b>        | <b>2,928,737</b>     | <b>-</b>          | <b>3,003,580</b>      |
| <b>Equity Short Sales</b>                    | <b>(8,047,473)</b>   | <b>-</b>             | <b>(3,193)</b>    | <b>(8,050,666)</b>    |
| <b>Total</b>                                 | <b>\$ 66,052,364</b> | <b>\$ 49,875,649</b> | <b>\$ 618,400</b> | <b>\$ 116,546,413</b> |



**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**9. FAIR VALUE MEASUREMENTS (cont.)**

**Investments by Fair Value Level as of December 31, 2020 (in thousands)**

| Asset Type                                   | Level 1              | Level 2              | Level 3             | TOTAL                 |
|--|----------------------|----------------------|---------------------|-----------------------|
| <b>Cash Equivalents</b>                      |                      |                      |                     |                       |
| Certificates of Deposits                     | \$ -                 | \$ 35,873            | \$ 15,000           | \$ 50,873             |
| Commercial Paper                             | -                    | -                    | 140,247             | 140,247               |
| Money Markets                                | 250,388              | -                    | -                   | 250,388               |
| <b>Total Cash Equivalents</b>                | <b>250,388</b>       | <b>35,873</b>        | <b>155,247</b>      | <b>441,508</b>        |
| <b>Stocks</b>                                |                      |                      |                     |                       |
| Domestic                                     | 41,447,255           | -                    | 69,289              | 41,516,544            |
| International                                | 21,877,798           | -                    | 37,394              | 21,915,192            |
| <b>Total Stocks</b>                          | <b>63,325,053</b>    | <b>-</b>             | <b>106,683</b>      | <b>63,431,736</b>     |
| <b>Fixed Income</b>                          |                      |                      |                     |                       |
| Asset Backed Securities                      | -                    | 351,380              | 3,887               | 355,267               |
| Corporate Bonds & Private Placements         | -                    | 12,325,921           | 67,624              | 12,393,545            |
| Foreign Government/Agency Bonds              | -                    | 2,022,059            | -                   | 2,022,059             |
| Municipal Bonds                              | -                    | 154,098              | -                   | 154,098               |
| U.S. Government Agencies                     | -                    | 2,293,952            | -                   | 2,293,952             |
| U.S. Treasury Inflation Protected Securities | -                    | 18,691,566           | -                   | 18,691,566            |
| U.S. Treasury Securities                     | 37,955               | 4,828,138            | -                   | 4,866,093             |
| Exchange Traded Funds                        | 410,820              | -                    | -                   | 410,820               |
| <b>Total Fixed Income</b>                    | <b>448,775</b>       | <b>40,667,114</b>    | <b>71,511</b>       | <b>41,187,400</b>     |
| Real Estate                                  | -                    | -                    | 1,379,939           | 1,379,939             |
| <b>Preferred Securities</b>                  |                      |                      |                     |                       |
| Domestic                                     | -                    | 233,190              | 93,293              | 326,483               |
| International                                | 281,188              | -                    | -                   | 281,188               |
| <b>Total Preferred Securities</b>            | <b>281,188</b>       | <b>233,190</b>       | <b>93,293</b>       | <b>607,671</b>        |
| Convertibles                                 | -                    | 19                   | 1,137               | 1,156                 |
| <b>Derivatives</b>                           |                      |                      |                     |                       |
| Foreign Exchange Contracts                   | -                    | 15,131               | -                   | 15,131                |
| Futures                                      | 32,221               | -                    | -                   | 32,221                |
| Options                                      | (8,402)              | -                    | -                   | (8,402)               |
| Swaps  | -                    | 107,239              | -                   | 107,239               |
| To Be Announced Securities                   | -                    | (685,009)            | -                   | (685,009)             |
| <b>Total Derivatives</b>                     | <b>23,819</b>        | <b>(562,639)</b>     | <b>-</b>            | <b>(538,820)</b>      |
| Equity Short Sales                           | (6,477,303)          | (2,165)              | (500)               | (6,479,968)           |
| <b>Total</b>                                 | <b>\$ 57,851,920</b> | <b>\$ 40,371,392</b> | <b>\$ 1,807,310</b> | <b>\$ 100,030,622</b> |

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**9. FAIR VALUE MEASUREMENTS (cont.)**

SWIB notes that the fair value of investments in certain fixed income funds, private equity limited partnerships, stock funds, real estate limited partnerships, and hedge funds are based on the investments' net asset value (NAV) per share (or its equivalent) provided by the investee. The December 31, 2021 and 2020 investments valued using NAV are shown in the tables below and include commingled/pooled funds, private equity and real estate limited partnerships.

Investments Measured at NAV as of December 31, 2021 (in thousands)

| Investments Measured at NAV             | Fair Value           | Unfunded<br>Commitments | Redemption Frequency | Redemption Notice<br>Period (7) |
|---|----------------------|-------------------------|----------------------|---------------------------------|
| Cash and Cash Equivalents (1)           | \$ 5,404,746         | \$ -                    | Daily                | Same day                        |
| Fixed Income (2)                        | 1,221,762            | -                       | Daily                | 5 days                          |
| Private Equity Limited Partnerships (3) | 26,573,553           | 14,112,896              | N/A                  | N/A                             |
| Equities (4)                            | 9,710,717            | -                       | Daily, Monthly       | 2-30 days                       |
| Real Estate Limited Partnerships (5)    | 933,917              | -                       | Monthly              | 15 days                         |
| Hedge Funds (6)                         | 6,227,923            | 746,672                 | Various              | Various                         |
| Total (7)                               | <u>\$ 50,072,618</u> | <u>\$ 14,859,568</u>    |                      |                                 |

- (1) This category consists of short-term cash funds with the investment objective of safety of principal and liquidity while earning a competitive money market rate of return. The short-term cash funds have daily liquidity with same day notice.
- (2) This category includes a long-only fixed manager which can invest across the credit quality spectrum, in varying geographies, and can include derivatives, high yield and structured securities. The long-only manager requires a redemption notice period of 5 days and has daily liquidity.
- (3) Private Equity Limited Partnerships include direct, co-investments with existing SWIB general partners, direct secondary investments and fund of funds. These investments are illiquid and are generally not resold or redeemed. Distributions from each fund are received as the underlying investments are liquidated. As of December 31, 2021, there is no one partial sale planned in 2022 on the secondary market. The anticipated sale price of this funds is not expected to be materially difference than the NAV as of December 31, 2021.
- (4) This category includes long-only equity managers (71%) with various fundamental, quantitative and other approaches spanning various styles, geographies and market cap weights. These long-only manager investments can be redeemed either daily or monthly with between 10 and 30 business days' notice. The remaining 29% of this category represents emerging markets equity index funds with an investment strategy designed to track the return of the given segment of the emerging equity markets. These investments can be redeemed daily with 2 business days' notice.
- (5) Equity Limited Partnership fund invests in global equity. The long-only manager requires a redemption notice period of 15 days and can be redeemed monthly.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

**9. FAIR VALUE MEASUREMENTS (cont.)**

- (6) Hedge Fund investments are private investment funds that seek to produce absolute returns using a broad range of strategies. In certain instances, Hedge Fund investments are structured as limited partnerships, whereby participants receive distributions over the life of the fund. Estimated remaining life for four funds structured as limited partnerships is less than 10 years, three funds between 5-10 years.
- (7) Redemption terms described for NAV investments reflect contractual agreements and assume withdrawals are made without adverse market impact and under normal market conditions.

Investments Measured at NAV as of December 31, 2020 (in thousands)

| Investments Measured at NAV             | Fair Value           | Unfunded<br>Commitments | Redemption Frequency     | Redemption Notice<br>Period (7) |
|---|----------------------|-------------------------|--------------------------|---------------------------------|
| Cash and Cash Equivalents (1)           | \$ 4,774,492         | \$ -                    | Daily                    | Same day                        |
| Fixed Income (2)                        | 1,615,932            | 207,872                 | Daily, N/A               | 5 days, N/A                     |
| Private Equity Limited Partnerships (3) | 10,897,338           | 9,469,624               | N/A                      | N/A                             |
| Equities (4)                            | 8,915,489            | -                       | Daily, Monthly           | 2-30 days                       |
| Real Estate Limited Partnerships (5)    | 5,992,192            | 1,515,852               | Quarterly, Annually, N/A | 30-90 days, Other, N/A          |
| Hedge Funds (6)                         | 5,967,126            | 582,354                 | Various                  | Various                         |
| Total (7)                               | <u>\$ 38,162,569</u> | <u>\$ 11,775,702</u>    |                          |                                 |

- (1) This category consists of short-term cash funds with the investment objective of safety of principal and liquidity while earning a competitive money market rate of return. The short-term cash funds have daily liquidity with same day notice.
- (2) This category includes a long-only fixed income manager (68%), which can invest across the credit quality spectrum, in varying geographies, and can include derivatives, high yield and structured securities. The long-only manager requires a redemption notice period of 5 days and has daily liquidity. The remaining 32% of this category includes LLCs which invest in private real estate debt. These LLC investments distribute earnings over the life of the investment. The majority of these LLC investments have an average, estimated remaining life of less than 5 years. One LLC investment has an estimated remaining life of greater than 10 years.
- (3) Private Equity Limited Partnerships include direct, co-investments with existing SWIB general partners, direct secondary investments and fund of funds. These investments are illiquid and are generally not resold or redeemed. Distributions from each fund are received as the underlying investments are liquidated. As of December 31, 2020, there are no expectation that any of the investments will be sold in the secondary market.
- (4) This category includes long-only equity managers (69%) with various fundamental, quantitative and other approaches spanning various styles, geographies and market cap weights. These long-only manager investments can be redeemed monthly with between 10 and 30 business days' notice. The remaining 31% of this category represents emerging markets equity index funds with an investment strategy designed to track the return of the given segment of the emerging equity markets. These investments can be redeemed daily with 2 business days' notice.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS SUPPLEMENTAL  
EARLY RETIREMENT PLAN FOR TEACHERS**

**NOTES TO FINANCIAL STATEMENTS  
As of and for the Years Ended June 30, 2022 and 2021**

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**9. FAIR VALUE MEASUREMENTS (cont.)**

- (5) This category includes funds that invest directly in real estate and real estate related assets. Approximately 67% of these investments are generally not resold or redeemed. Distributions from each fund will be received as the underlying investments are liquidated. The remaining 33% of this category consists of open-ended funds that invest directly in real estate and real estate related assets. The majority of these investments can be redeemed quarterly with between 30 and 90 days' notice. One fund can be redeemed annually with notice provided in the first quarter of the calendar year.
- (6) Hedge Fund investments are private investment funds that seek to produce absolute returns using a broad range of strategies. In certain instances, Hedge Fund investments are structured as limited partnerships, whereby participants receive distributions over the life of the fund. Estimated remaining life for two funds structured as limited partnerships within the portfolio is less than 5 years, two funds between 5-10 years, and two funds greater than 10 years.
- (7) Redemption terms described for NAV investments reflect contractual agreements and assume withdrawals are made without adverse market impact and under normal market conditions.

**10. RISKS AND UNCERTAINTIES**

The total pension liability is reported based on certain assumptions pertaining to interest rates, inflation rates, and employee demographics, all of which are subject to change. Due to uncertainties inherent in the estimations and assumptions process, it is at least reasonably possible that changes in these estimates and assumptions in the near term would be material to the financial statements.

**11. TAX STATUS**

The District has received a favorable tax determination letter dated January 9, 2017 from the Internal Revenue Service, which indicates that the Plan qualifies under Internal Revenue Code Section 401(a) and the related trust is exempt from Federal income taxes under Section 501(a) as amended by the Economic Growth and Tax Relief Reconciliation Act of 2001. This favorable determination is contingent upon the adoption of the proposed First Amendment for the Plan which amends Section 6.4(a). On October 16, 2014, the District received a favorable tax determination letter from the Internal Revenue Service, which indicates that it considered the 2007 Cumulative List of Changes in Plan Qualification Requirements and is entitled to be treated as Governmental plan under the section 414(d) of the Internal Revenue Code.

**12. SUBSEQUENT EVENTS**

Management has evaluated subsequent events occurring through January 6, 2023, the date the financial statements were available to be issued for events requiring recording or disclosure in the financial statements. Management feels no material event occurred that would require disclosure.

# **REQUIRED SUPPLEMENTARY INFORMATION**

**(See Independent Auditors' Report on Page 1)**

**MILWAUKEE BOARD OF SCHOOL DIRECTORS  
SUPPLEMENTAL EARLY RETIREMENT PLAN FOR TEACHERS  
Required Supplementary Information  
Schedule of Changes in Net Pension Liability and Related Ratios  
Last 9 Fiscal Years**

| Fiscal year ending June 30  | 2022                  | 2021                  | 2020                  | 2019                  | 2018                  | 2017                  | 2016                  | 2015                  | 2014                  |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>Total Pension Liability</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Interest on the total pension Liability                                       | \$ 14,627,051         | \$ 14,965,029         | \$ 15,836,643         | \$ 16,182,472         | \$ 16,436,072         | \$ 16,635,125         | \$ 16,846,685         | \$ 17,001,811         | \$ 17,203,578         |
| Difference between expected and actual expense                                | (1,725,676)           | (4,166,782)           | (6,441,233)           | (695,436)             | (3,160,017)           | (3,241,431)           | (2,247,617)           | (2,929,293)           | -                     |
| Assumption changes  | -                     | 949,752               | 985,173               | 12,396,147            | -                     | -                     | -                     | -                     | -                     |
| Benefit payments  | (17,598,105)          | (17,145,007)          | (16,887,950)          | (16,477,649)          | (16,013,508)          | (16,244,782)          | (16,607,340)          | (17,037,741)          | (16,891,272)          |
| <b>Net Change in Total Pension Liability</b>                                  | <b>(4,696,730)</b>    | <b>(5,397,008)</b>    | <b>(6,507,367)</b>    | <b>11,405,534</b>     | <b>(2,737,453)</b>    | <b>(2,851,088)</b>    | <b>(2,008,272)</b>    | <b>(2,965,223)</b>    | <b>312,306</b>        |
| <b>Total Pension Liability - Beginning</b>                                    | <b>227,078,100</b>    | <b>232,475,108</b>    | <b>238,982,475</b>    | <b>227,576,941</b>    | <b>230,314,394</b>    | <b>233,165,482</b>    | <b>235,173,754</b>    | <b>238,138,977</b>    | <b>237,826,671</b>    |
| <b>Total Pension Liability - Ending (a)</b>                                   | <b>\$ 222,381,370</b> | <b>\$ 227,078,100</b> | <b>\$ 232,475,108</b> | <b>\$ 238,982,475</b> | <b>\$ 227,576,941</b> | <b>\$ 230,314,394</b> | <b>\$ 233,165,482</b> | <b>\$ 235,173,754</b> | <b>\$ 238,138,977</b> |
| <b>Plan Fiduciary Net Position</b>  |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Employer contributions  | \$ 7,286,185          | 7,657,435             | 9,789,606             | 11,911,441            | 8,906,670             | 9,456,955             | 9,888,196             | 9,540,139             | 10,954,526            |
| Net investment income (loss)  | (14,330,284)          | 43,198,750            | 7,265,841             | 10,779,925            | 12,028,603            | 16,153,487            | 964,012               | 2,410,365             | 21,504,411            |
| Benefit payments  | (17,598,105)          | (17,145,007)          | (16,887,950)          | (16,477,649)          | (16,013,508)          | (16,244,782)          | (16,607,340)          | (17,037,741)          | (16,891,272)          |
| Administrative expense  | (34,010)              | (158,975)             | (150,628)             | (151,966)             | (147,828)             | (156,826)             | (174,658)             | (145,726)             | (176,226)             |
| Other *   | -                     | -                     | -                     | -                     | (4,186)               | -                     | -                     | -                     | -                     |
| <b>Net Change in Plan Fiduciary Net Position</b>                              | <b>(24,676,214)</b>   | <b>33,552,203</b>     | <b>16,869</b>         | <b>6,061,751</b>      | <b>4,769,751</b>      | <b>9,208,834</b>      | <b>(5,929,790)</b>    | <b>(5,232,963)</b>    | <b>15,391,439</b>     |
| <b>Plan Fiduciary Net Position - Beginning</b>                                | <b>195,138,217</b>    | <b>161,586,014</b>    | <b>161,569,145</b>    | <b>155,507,394</b>    | <b>150,737,643</b>    | <b>141,528,809</b>    | <b>147,458,599</b>    | <b>152,691,562</b>    | <b>137,300,123</b>    |
| <b>Plan Fiduciary Net Position - Ending (b)</b>                               | <b>\$ 170,462,003</b> | <b>\$ 195,138,217</b> | <b>\$ 161,586,014</b> | <b>\$ 161,569,145</b> | <b>\$ 155,507,394</b> | <b>\$ 150,737,643</b> | <b>\$ 141,528,809</b> | <b>\$ 147,458,599</b> | <b>\$ 152,691,562</b> |
| <b>Net Pension Liability - Ending (a) - (b)</b>                               | <b>\$ 51,919,367</b>  | <b>\$ 31,939,883</b>  | <b>\$ 70,889,094</b>  | <b>\$ 77,413,330</b>  | <b>\$ 72,069,547</b>  | <b>\$ 79,576,751</b>  | <b>\$ 91,636,673</b>  | <b>\$ 87,715,155</b>  | <b>\$ 85,447,415</b>  |
| <b>Plan Fiduciary Net Position as a Percentage of Total Pension Liability</b> | <b>76.65%</b>         | <b>85.93%</b>         | <b>69.51%</b>         | <b>67.61%</b>         | <b>68.33%</b>         | <b>65.45%</b>         | <b>60.70%</b>         | <b>62.70%</b>         | <b>64.12%</b>         |
| <b>Covered Employee Payroll</b>   | <b>\$ 135,143,910</b> | <b>\$ 171,900,618</b> | <b>\$ 180,168,964</b> | <b>\$ 199,988,240</b> | <b>\$ 221,227,773</b> | <b>\$ 236,655,777</b> | <b>\$ 250,768,000</b> | <b>\$ 262,424,327</b> | <b>\$ 288,512,864</b> |
| <b>Net Pension Liability as a Percentage of Covered Employee Payroll</b>      | <b>38.42%</b>         | <b>18.58%</b>         | <b>39.35%</b>         | <b>38.71%</b>         | <b>32.58%</b>         | <b>33.62%</b>         | <b>36.54%</b>         | <b>33.42%</b>         | <b>29.62%</b>         |

**Notes to Schedule:**

\* Transfer from Teacher's Plan to Director's Plan year end June 30, 2018.

The Plan implemented GASB Statement No. 67 in fiscal year 2014.  
Information that complies with GASB 67 prior to fiscal year 2014 is not available.

See accompanying independent auditors' report and notes to required supplementary information.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS  
SUPPLEMENTAL EARLY RETIREMENT PLAN FOR TEACHERS  
Required Supplementary Information  
Schedule of Contributions  
Last 10 Fiscal years**

| Fiscal year ending June 30   | <u>2022</u>      | <u>2021</u>        | <u>2020</u>      | <u>2019</u>          | <u>2018</u>      | <u>2017</u>      | <u>2016</u>    | <u>2015</u>      | <u>2014</u>      | <u>2013</u>      |
|--|------------------|--------------------|------------------|----------------------|------------------|------------------|----------------|------------------|------------------|------------------|
| Actuarially determined contribution                                  | \$7,979,462      | \$9,717,556        | \$10,245,574     | \$10,390,406         | \$9,385,392      | \$9,791,544      | \$9,897,438    | \$10,329,340     | \$11,168,472     | \$14,365,412     |
| Contributions in relation to the actuarially determined contribution | \$7,286,185      | \$7,657,435        | \$9,789,606      | \$11,911,441         | \$8,906,670      | \$9,456,055      | \$9,888,196    | \$9,540,139      | \$10,954,526     | \$13,998,622     |
| Contribution deficiency (excess)                                     | <u>\$693,277</u> | <u>\$2,060,121</u> | <u>\$455,968</u> | <u>(\$1,521,035)</u> | <u>\$478,722</u> | <u>\$335,489</u> | <u>\$9,242</u> | <u>\$789,201</u> | <u>\$213,946</u> | <u>\$366,790</u> |
| Covered-employee payroll   | \$135,143,910    | \$171,900,618      | \$180,168,964    | \$199,988,240        | \$221,227,773    | \$236,665,777    | \$250,768,000  | \$262,424,327    | \$288,512,864    | \$323,922,137    |
| Contributions as a percentage of covered-employee payroll            | 5.9%             | 5.7%               | 5.7%             | 5.2%                 | 4.2%             | 4.1%             | 3.9%           | 3.9%             | 3.9%             | 4.4%             |

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| <p>The Plan implemented GASB Statement No. 67 in fiscal year 2014.<br/> Information that complies with GASB 67 prior to fiscal year 2014 is not available.</p> |
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See accompanying independent auditors' report and notes to required supplementary information.

**MILWAUKEE BOARD OF SCHOOL DIRECTORS  
 SUPPLEMENTAL EARLY RETIREMENT PLAN FOR TEACHERS  
 Required Supplementary Information  
 Schedule of Investment Returns  
 Last 9 Fiscal Years**

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| Fiscal year ending, June 30  | <u>2022</u> | <u>2021</u> | <u>2020</u> | <u>2019</u> | <u>2018</u> | <u>2017</u> | <u>2016</u> | <u>2015</u> | <u>2014</u> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Annual money-weighted rate of return,<br>net of investment expense | (7.6%)      | 27.8%       | 4.7%        | 7.2%        | 8.3%        | 12.8%       | 0.6%        | 1.8%        | 16.5%       |

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| <p>The Plan implemented GASB Statement No. 67 in fiscal year 2014.<br/>         Information that complies with GASB 67 prior to fiscal year 2013 is not available.</p> |
|--|

See accompanying independent auditors' report and notes to required supplementary information.



**MILWAUKEE BOARD OF SCHOOL DIRECTORS  
 SUPPLEMENTAL EARLY RETIREMENT PLAN FOR TEACHERS  
 Notes to Required Supplementary Information  
 As of and for the Years Ended June 30, 2022 and 2021**

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**1. SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS**

The total pension liability contained in this schedule was provided by the Plan's actuary, Gabriel, Roeder, Smith & Company. The net pension liability is measured as the total pension liability less the amount of the fiduciary net position of the Plan.

**2. SCHEDULE OF CONTRIBUTIONS**

The determined employer contributions and the amounts of the contributions actually made are presented in the schedule.

**3. ACTUARIAL INFORMATION**

The information presented in the required supplementary schedules was used in the actuarial valuations for purposes of determining the actuarially determined contribution rate. The assumptions and methods used for this actuarial valuation were recommended by the actuary and adopted by the District. Additional information as of the latest actuarial valuation follows:

|                            |   |
|----------------------------|---|
| Valuation date             | July 1, 2021  |
| Actuarial cost method      | Entry age normal  |
| Asset valuation method     | Market value used for GASB Statements No. 67 and 68 reporting, 5-year smoothed market used to determine contributions   |
| Amortization method        | The loss at July 1, 2006, due to the valuation of deferred vested temporary benefits is amortized over a 15-year closed period commencing July 1, 2006, on a level dollar basis. Unfunded liabilities not attributable to the loss due to valuation of deferred vested temporary benefits are amortized using a 25-year closed period, level-dollar amortization commencing July 1, 2007 (12 years remaining as of July 1, 2020). |
| Investment rate of return  | 6.75% per year  |
| Projected salary increases | The Plan is frozen at July 1, 2013. Pay increases received after that date are not pensionable under the Plan   |
| Cost of living increases   | 0.0% per year   |
| Mortality table            | Based on RP-2014 White Collar Healthy Annuitant and Mortality Table the scaling factors are 98% for men and 96% for women with generational mortality improvement using MP-2018 2-dimensional mortality improvements scales   |

See accompanying independent auditors' report and notes to required supplementary information.