

Years Ended December 31, 2021 and 2020

Financial Statements

# Rehmann

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#### **INDEPENDENT AUDITORS' REPORT**

May 25, 2022

Board of Trustees City of Grand Rapids Police and Fire Retirement System Grand Rapids, Michigan

## **Report on the Audit of the Financial Statements**

#### **Opinion**

We have audited the financial statements of the *City of Grand Rapids Police and Fire Retirement System* (the "System"), a fiduciary component unit of the City of Grand Rapids, Michigan, as of and for the year ended December 31, 2021 and 2020, and the related notes to the financial statements, which collectively comprise the System's basic financial statements as listed in the table of contents.

In our opinion, the accompanying financial statements referred to above present fairly, in all material respects, the respective financial position of the City of Grand Rapids Police and Fire Retirement System as of December 31, 2021 and 2020, and the respective changes in financial position 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) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Independent Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the System 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 opinion.

## 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 System'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.

#### Independent 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 misstatement, 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 and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

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

- · exercise professional judgment and maintain professional skepticism throughout the audit.
- · identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the System'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 System's ability to continue as a going concern for a reasonable period of time.

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

#### **Required Supplementary Information**

Accounting principles generally accepted in the United States of America require that the Management's Discussion and Analysis and the schedules for the pension plan, 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.

## Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated May 25, 2022, on our consideration of the System's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the System's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the System's internal control over financial reporting and compliance.

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**Management's Discussion and Analysis** 

# City of Grand Rapids Police and Fire Retirement System Management's Discussion and Analysis For the Year Ended December 31, 2021

This section of the City of Grand Rapids Police and Fire Retirement System's (the System) annual financial statements presents a discussion and analysis of the financial performance of the System for the fiscal year ended December 31, 2021 and 2020. This discussion has been prepared by management and should be read in conjunction with the financial statements. This discussion and analysis is designed to focus on current activities, resulting changes and current known facts. The financial statements and this discussion are the responsibility of management.

## **Overall Fund Structure and Objectives**

The System exists to pay benefits to its retirees and beneficiaries. Active members earn service credit that entitles them to receive benefits in the future. Generally speaking, benefits paid out in any given year are significantly greater than the contributions received. The excess of benefits over contributions must be funded through investment income. The employer contribution rate was/will be 28.02% from July 1, 2020 through June 30, 2021, 28.62% from July 1, 2021 through June 30, 2022, and 33.16% from July 1, 2022 through June 30, 2023.

#### Asset Allocation

The System has established asset allocation policies, which are expected to deliver sufficient investment income over a very long period of time to satisfy the obligations to pay the benefits promised to its members. To maximize investment returns and preserve fund assets, the System carefully monitors the performance of each of its investment managers and takes the necessary corrective action to ensure acceptable investment results. The following is a summary of the System's asset allocation policy as of December 31, 2021 and 2020:

	2021	2020
U.S. equity	17.75%	17.75%
Fixed income	24.50	24.50
Non-U.S. equity and American Depository Receipts	17.75	17.75
Real estate securities	5.00	5.00
Midstream Energy Infrastructure	5.00	5.00
Treasury Inflation Protected Securities	5.00	5.00
Private equity	5.00	5.00
Commodities	5.00	5.00
Private Credit	5.00	5.00
Global Low Volatility	10.00	10.00

## **Investment Results**

The System's performance consultant, Wilshire Associates, reported a market rate of return of 18.14% and 10.43% on retirement system assets for the years ended December 31, 2021 and 2020, respectively. Had the assets all been invested passively, the return would have been 16.43% and 7.99%, which means that the System's assets outperformed their benchmark by 1.71% for the year ended December 31, 2021 and 2.44% for the year ended December 31, 2020.

Management believes the financial position of the System remains stable and should improve over a period of time due to a prudent investment program, cost controls and strategic planning.

## Using the Financial Statements

The System's financial report includes two financial statements: the Statements of Fiduciary Net Position and the Statements of Changes in Fiduciary Net Position. These statements include all assets and liabilities using the economic resources measurement focus and the accrual basis of accounting. Under the accrual basis of accounting, all revenues and expenses are taken into account regardless of when cash is received or paid.

The Statements of Fiduciary Net Position present all of the System's assets and liabilities, with the difference between the two reported as net position. Over time, increases and decreases in net position measure whether the System's financial position is improving or deteriorating. The Statements of Changes in Fiduciary Net Position present how the System's net position changed during the most recent fiscal year. These two financial statements should be reviewed along with the Required Supplementary Information to determine whether the System is becoming financially stronger or weaker, and to understand changes over time in the funded status of the System.

## Statements of Fiduciary Net Position

The following table shows, in a condensed format, the current year's fiduciary net position compared to the prior two years:

				Change From P	rior Year
	2019	2020	2021	In Dollars	As %
Assets					
Cash and money market funds	\$ 7,323,183	\$ 5,848,466	\$ 8,485,048	\$ 2,636,582	45.1%
Stocks, equity mutual funds and partnerships	224,965,267	247,914,960	263,766,596	15,851,636	6.4%
Fixed income	129,782,055	130,816,802	150,492,620	19,675,818	15.0%
Real estate	22,162,714	21,563,151	29,424,653	7,861,502	36.5%
Private equity partnerships	22,456,021	26,583,039	40,966,303	14,383,264	54.1%
Commodities	19,739,597	21,121,530	26,508,365	5,386,835	25.5%
Private credit partnerships	17,823,842	19,782,457	22,025,281	2,242,824	11.3%
Securities lending collateral	17,317,484	31,039,032	40,310,201	9,271,169	29.9%
Total cash and investments	461,570,163	504,669,437	581,979,067	77,309,630	15.3%
Receivables	19,729,443	3,042,228	3,885,310	843,082	27.7%
Total Assets	481,299,606	507,711,665	585,864,377	78,152,712	15.4%
Liabilities					
Administrative expenses and					
investment management fees payable	358,239	355,475	514,190	158,715	44.6%
Pending trades - purchases	17,796,394	813,797	1,728,117	914,320	112.4%
Amounts due broker under					
securities lending agreement	17,317,484	31,039,032	40,310,201	9,271,169	29.9%
Total Liabilities	35,472,117	32,208,304	42,552,508	10,344,204	32.1%
Net Position Restricted for Pension Benefits	\$445,827,489	\$475,503,361	\$543,311,869	\$ 67,808,508	14.3%

Cash and money market funds decreased in 2020 and increased in 2021. The System has no cash allocation, so any fluctuations from one year to the next are due to pending trades and the timing of cash flows due to settlement dates. Fixed income returns were strong in 2020 and slightly negative in 2021. The increase was due to rebalancing the accounts in October. The increases in private equity for both years were due to an increase in capital calls of previously committed funds and strong investment returns, particularly in 2021. Commodities experienced strong returns in 2021. Private credit increases in 2020 and 2021 were mainly due to continued funding of the fairly new allocation. The differences from one year to the next in receivables is simply a timing issue related to when funds are received, as well as pending securities sales.

The System participates in a securities lending program. The Northern Trust Company is the exclusive agent of the System. The agent fully indemnifies the System against borrower default in compliance with state statutes. As of December 31, 2021, the market value of securities on loan was approximately \$39.6 million, and as of December 31, 2020, the market value of securities on loan was approximately \$30.3 million.

When a security is placed on loan, the System receives cash collateral in an amount not less than 102% of the market value of the security loaned. Loans are marked-to-market daily. Cash collateral is invested by the agent in a separately managed account. Borrowers receive a daily interest rebate on the cash collateral provided to the agent. Earnings from securities lending represent the difference, or spread, between the earnings on the cash collateral and the interest rebate paid to the borrower. Securities lending income is used to offset the System's custody and benefit payment expenses.

The market value of the collateral invested is carried as an asset, and the amount of collateral repayable to the borrower upon return of the securities from loan is carried as a liability in the financial statements. The increase in assets caused by securities lending will always be offset by a corresponding liability of the same amount, so that the two amounts cancel each other out.

Because the number of securities out on loan under the System's lending program can fluctuate greatly depending on demand and available securities, the assets and liabilities can be expected to vary widely from one year to the next, or not much at all, depending on how many securities are out on loan on December 31 of each year.

## Statements of Changes in Fiduciary Net Position

The following table shows, in a condensed format, the changes in fiduciary net position, compared to the prior two years:

				Change From Pr	ior Year
	2019	2020	2021	In Dollars	As %
Additions					
Contributions	\$ 15,504,742	\$ 16,095,680	\$ 17,591,079	\$ 1,495,399	9.3%
Net investment income	71,006,826	44,434,291	83,604,043	39,169,752	88.2%
Securities lending	83,222	105,258	87,197	(18,061)	-17.2%
Total Additions	86,594,790	60,635,229	101,282,319	40,647,090	67.0%
Deductions					
Benefits	27,730,677	30,382,544	32,923,031	2,540,487	8.4%
Administrative expense	592,306	576,813	550,780	(26,033)	-4.5%
Total Deductions	28,322,983	30,959,357	33,473,811	2,514,454	8.1%
Net Increase	58,271,807	29,675,872	67,808,508	38,132,636	128.5%
Net Position Restricted for Pension Benefits,					
beginning of year	387,555,682	445,827,489	475,503,361	29,675,872	6.7%
Net Position Restricted for Pension Benefits,					
end of year	\$445,827,489	\$475,503,361	\$543,311,869	\$ 67,808,508	14.3%

Although investment returns were strong in 2020, they were not quite as strong as in 2019, which led to lower net investment income for 2020. The increase in net investment income in 2021 was primarily due to a very strong investment environment. Contributions increased in both years due to salary increases and a higher employer contribution rate. The increases in benefit payments for 2020 and 2021 were primarily due to a combination of negotiated escalator increases and an increase in retirements. Securities lending income increased in 2020 and decreased in 2021, due to changes in demand and securities available to lend.

#### Other Important Matters

Assets were rebalanced in October to move assets closer to stated allocations. The System lowered its assumed rate of return to 6.75%, beginning with the year ending December 31, 2021.

In March 2020, the World Health Organization declared the novel coronavirus outbreak (COVID-19) to be a global pandemic. The extent of the ultimate impact of the pandemic on the System's operational and financial performance will depend on various developments, including the duration and spread of the outbreak and its impact on employees, and vendors, all of which cannot be reasonably predicted. At this time, management does not believe that the negative financial impact of the pandemic, if any, would be material to the System

## Contacting System Financial Management

This financial report is designed to provide the Board of Trustees, our membership, taxpayers and creditors with a general overview of the System's finances and to demonstrate the System's accountability for the money it receives. If you have any questions about this report or need additional financial information, contact the Retirement Systems office, 233 E. Fulton, Suite 216, Grand Rapids, Michigan, 49503.

**Financial Statements** 

**Statements of Fiduciary Net Position** 

December 31,	2021	2020
Assets		
Receivables		
Plan member contributions	\$ 493,824	\$ 472,231
Employer contributions	1,163,249	1,056,810
Interest and dividends	488,377	427,006
Pending trades - sales	1,739,860	1,086,181
Total Receivables	3,885,310	3,042,228
Investments		
Cash and money market funds	8,485,048	5,848,466
Government obligations	59,913,969	49,208,535
State and municipal bonds	292,264	355,616
Corporate bonds and fixed income commingled funds	84,219,048	75,304,920
Common and preferred stocks and equity mutual funds	263,766,596	247,914,960
Real estate	29,424,653	21,563,151
Asset backed securities	6,067,339	5,947,731
Commodities	26,508,365	21,121,530
Private equity partnerships	40,966,303	26,583,039
Private credit partnerships	22,025,281	19,782,457
Total Investments	541,668,866	473,630,405
Investments held as collateral for securities lending	40,310,201	31,039,032
Total Investments Including Securities Lending	581,979,067	504,669,437
Total Assets	585,864,377	507,711,665
Liabilities		
Administrative expenses payable	174,967	93,200
Investment management fees payable	339,223	262,275
Pending trades - purchases	1,728,117	813,797
Amounts due broker under Securities lending agreement	40,310,201	31,039,032
Total Liabilities	42,552,508	32,208,304
Net Position Restricted for Pension Benefits	\$ 543,311,869	\$ 475,503,361

**Statements of Changes in Fiduciary Net Position** 

Additions to Net Position           Contributions:           Plan members         \$ 5,930,546         \$ 5,379,200           Employer         11,660,533         10,716,480           Total Contributions         17,591,079         16,095,680           Investment Income:         Interest and dividends         5,087,561         4,640,683           Net appreciation in fair value of investments         79,679,230         40,767,929           Securities lending income         84,853,988         45,513,870           Less investment income         84,853,988         45,513,870           Less investment expense         (1,162,748)         (974,321)           Net Investment Income, Less Investment Expense         83,691,240         44,539,549           Total Additions to Net Position         101,282,319         60,635,229           Deductions from Net Position         32,923,031         30,382,544           Administrative expenses         550,780         576,813           Total Deductions From Net Position         33,473,811         30,959,357           Net Increase in Net Position         67,808,508         29,675,872           Net Position Restricted for Pension Benefits,         445,827,489           Net Position Restricted for Pension Benefits,	Year Ended December 31,	2021	2020
Plan members         \$ 5,930,546         \$ 5,379,200           Employer         11,660,533         10,716,480           Total Contributions         17,591,079         16,095,680           Investment Income:         Interest and dividends         5,087,561         4,640,683           Net appreciation in fair value of investments         79,679,230         40,767,929           Securities lending income         87,197         105,258           Net investment income         84,853,988         45,513,870           Less investment expense         (1,162,748)         (974,321)           Net Investment Income, Less Investment Expense         83,691,240         44,539,549           Total Additions to Net Position         32,923,031         30,382,544           Administrative expenses         550,780         576,813           Total Deductions From Net Position         33,473,811         30,959,357           Net Increase in Net Position         67,808,508         29,675,872           Net Position Restricted for Pension Benefits,         445,827,489           Net Position Restricted for Pension Benefits,         445,827,489	Additions to Net Position		
Employer         11,660,533         10,716,480           Total Contributions         17,591,079         16,095,680           Investment Income:         Interest and dividends         5,087,561         4,640,683           Net appreciation in fair value of investments         79,679,230         40,767,929           Securities lending income         87,197         105,258           Net investment income         84,853,988         45,513,870           Less investment expense         (1,162,748)         (974,321)           Net Investment Income, Less Investment Expense         83,691,240         44,539,549           Total Additions to Net Position         101,282,319         60,635,229           Deductions from Net Position         32,923,031         30,382,544           Administrative expenses         350,780         576,813           Total Deductions From Net Position         33,473,811         30,959,357           Net Increase in Net Position         67,808,508         29,675,872           Net Position Restricted for Pension Benefits,         Beginning of year         475,503,361         445,827,489           Net Position Restricted for Pension Benefits,         475,503,361         445,827,489	Contributions:		
Total Contributions         17,591,079         16,095,680           Investment Income:         Interest and dividends         5,087,561         4,640,683           Net appreciation in fair value of investments         79,679,230         40,767,929           Securities lending income         87,197         105,258           Net investment income         84,853,988         45,513,870           Less investment expense         (1,162,748)         (974,321)           Net Investment Income, Less Investment Expense         83,691,240         44,539,549           Total Additions to Net Position         101,282,319         60,635,229           Deductions from Net Position         32,923,031         30,382,544           Administrative expenses         550,780         576,813           Total Deductions From Net Position         33,473,811         30,959,357           Net Increase in Net Position         67,808,508         29,675,872           Net Position Restricted for Pension Benefits,         Beginning of year         475,503,361         445,827,489           Net Position Restricted for Pension Benefits,         10,000,000,000,000,000,000,000,000,000,	Plan members	\$ 5,930,546	\$ 5,379,200
Investment Income:         Interest and dividends         5,087,561         4,640,683           Net appreciation in fair value of investments         79,679,230         40,767,929           Securities lending income         87,197         105,258           Net investment income         84,853,988         45,513,870           Less investment expense         (1,162,748)         (974,321)           Net Investment Income, Less Investment Expense         83,691,240         44,539,549           Total Additions to Net Position         101,282,319         60,635,229           Deductions from Net Position         32,923,031         30,382,544           Administrative expenses         550,780         576,813           Total Deductions From Net Position         33,473,811         30,959,357           Net Increase in Net Position         67,808,508         29,675,872           Net Position Restricted for Pension Benefits,         88ginning of year         475,503,361         445,827,489           Net Position Restricted for Pension Benefits,         445,827,489         445,827,489	Employer	11,660,533	10,716,480
Interest and dividends         5,087,561         4,640,683           Net appreciation in fair value of investments         79,679,230         40,767,929           Securities lending income         87,197         105,258           Net investment income         84,853,988         45,513,870           Less investment expense         (1,162,748)         (974,321)           Net Investment Income, Less Investment Expense         83,691,240         44,539,549           Total Additions to Net Position         101,282,319         60,635,229           Deductions from Net Position         32,923,031         30,382,544           Administrative expenses         550,780         576,813           Total Deductions From Net Position         33,473,811         30,959,357           Net Increase in Net Position         67,808,508         29,675,872           Net Position Restricted for Pension Benefits,         445,827,489           Net Position Restricted for Pension Benefits,         445,827,489	Total Contributions	17,591,079	16,095,680
Net appreciation in fair value of investments         79,679,230         40,767,929           Securities lending income         87,197         105,258           Net investment income         84,853,988         45,513,870           Less investment expense         (1,162,748)         (974,321)           Net Investment Income, Less Investment Expense         83,691,240         44,539,549           Total Additions to Net Position         101,282,319         60,635,229           Deductions from Net Position         32,923,031         30,382,544           Administrative expenses         550,780         576,813           Total Deductions From Net Position         33,473,811         30,959,357           Net Increase in Net Position         67,808,508         29,675,872           Net Position Restricted for Pension Benefits,         445,827,489           Net Position Restricted for Pension Benefits,         445,827,489	Investment Income:		
Securities lending income         87,197         105,258           Net investment income         84,853,988         45,513,870           Less investment expense         (1,162,748)         (974,321)           Net Investment Income, Less Investment Expense         83,691,240         44,539,549           Total Additions to Net Position         101,282,319         60,635,229           Deductions from Net Position         32,923,031         30,382,544           Administrative expenses         550,780         576,813           Total Deductions From Net Position         33,473,811         30,959,357           Net Increase in Net Position         67,808,508         29,675,872           Net Position Restricted for Pension Benefits,         475,503,361         445,827,489           Net Position Restricted for Pension Benefits,         475,503,361         445,827,489	Interest and dividends	5,087,561	4,640,683
Net investment income         84,853,988         45,513,870           Less investment expense         (1,162,748)         (974,321)           Net Investment Income, Less Investment Expense         83,691,240         44,539,549           Total Additions to Net Position         101,282,319         60,635,229           Deductions from Net Position         32,923,031         30,382,544           Administrative expenses         550,780         576,813           Total Deductions From Net Position         33,473,811         30,959,357           Net Increase in Net Position         67,808,508         29,675,872           Net Position Restricted for Pension Benefits,         475,503,361         445,827,489           Net Position Restricted for Pension Benefits,         475,503,361         445,827,489	Net appreciation in fair value of investments	79,679,230	40,767,929
Less investment expense         (1,162,748)         (974,321)           Net Investment Income, Less Investment Expense         83,691,240         44,539,549           Total Additions to Net Position         101,282,319         60,635,229           Deductions from Net Position         32,923,031         30,382,544           Administrative expenses         550,780         576,813           Total Deductions From Net Position         33,473,811         30,959,357           Net Increase in Net Position         67,808,508         29,675,872           Net Position Restricted for Pension Benefits,         475,503,361         445,827,489           Net Position Restricted for Pension Benefits,         475,503,361         445,827,489	Securities lending income	87,197	105,258
Less investment expense         (1,162,748)         (974,321)           Net Investment Income, Less Investment Expense         83,691,240         44,539,549           Total Additions to Net Position         101,282,319         60,635,229           Deductions from Net Position         32,923,031         30,382,544           Administrative expenses         550,780         576,813           Total Deductions From Net Position         33,473,811         30,959,357           Net Increase in Net Position         67,808,508         29,675,872           Net Position Restricted for Pension Benefits,         475,503,361         445,827,489           Net Position Restricted for Pension Benefits,         475,503,361         445,827,489		04.052.000	45 542 070
Net Investment Income, Less Investment Expense         83,691,240         44,539,549           Total Additions to Net Position         101,282,319         60,635,229           Deductions from Net Position         32,923,031         30,382,544           Administrative expenses         550,780         576,813           Total Deductions From Net Position         33,473,811         30,959,357           Net Increase in Net Position         67,808,508         29,675,872           Net Position Restricted for Pension Benefits,         475,503,361         445,827,489           Net Position Restricted for Pension Benefits,         475,503,361         445,827,489			
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Deductions from Net PositionBenefits32,923,03130,382,544Administrative expenses550,780576,813Total Deductions From Net Position33,473,81130,959,357Net Increase in Net Position67,808,50829,675,872Net Position Restricted for Pension Benefits, Beginning of year475,503,361445,827,489Net Position Restricted for Pension Benefits,	Net Investment Income, Less Investment Expense	83,691,240	44,539,549
Benefits Administrative expenses32,923,031 550,78030,382,544 576,813Total Deductions From Net Position33,473,811 67,808,50830,959,357Net Increase in Net Position67,808,50829,675,872Net Position Restricted for Pension Benefits, Beginning of year475,503,361 445,827,489Net Position Restricted for Pension Benefits,	Total Additions to Net Position	101,282,319	60,635,229
Administrative expenses 550,780 576,813  Total Deductions From Net Position 33,473,811 30,959,357  Net Increase in Net Position 67,808,508 29,675,872  Net Position Restricted for Pension Benefits, Beginning of year 475,503,361 445,827,489  Net Position Restricted for Pension Benefits,	Deductions from Net Position		
Total Deductions From Net Position 33,473,811 30,959,357  Net Increase in Net Position 67,808,508 29,675,872  Net Position Restricted for Pension Benefits, Beginning of year 475,503,361 445,827,489  Net Position Restricted for Pension Benefits,	Benefits	32,923,031	30,382,544
Net Increase in Net Position  67,808,508  29,675,872  Net Position Restricted for Pension Benefits, Beginning of year  475,503,361  445,827,489  Net Position Restricted for Pension Benefits,	Administrative expenses	550,780	576,813
Net Position Restricted for Pension Benefits, Beginning of year 475,503,361 445,827,489  Net Position Restricted for Pension Benefits,	Total Deductions From Net Position	33,473,811	30,959,357
Beginning of year 475,503,361 445,827,489  Net Position Restricted for Pension Benefits,	Net Increase in Net Position	67,808,508	29,675,872
Beginning of year 475,503,361 445,827,489  Net Position Restricted for Pension Benefits,	Net Position Restricted for Pension Benefits		
		475,503,361	445,827,489
End of year \$ 543,311,869 \$ 475,503,361	Net Position Restricted for Pension Benefits, End of year	\$ 543,311,869	\$ 475,503,361

See accompanying notes to financial statements.

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**Notes to Financial Statements** 

## **Notes to Financial Statements**

## 1. Summary of Significant Accounting Policies

## **Reporting Entity**

The City of Grand Rapids (the City) sponsors the City of Grand Rapids Police and Fire Retirement System (the System), which is a contributory single-employer retirement plan. The System, which is administered by the System's Board of Trustees, is a defined benefit plan. The System provides retirement, disability and survivor benefits to plan members and beneficiaries.

The System is an independent trust qualified under applicable provisions of the Internal Revenue Code (IRC) and is an independent entity (separate and distinct from the employer/plan sponsor) as required by: (1) state law and (2) IRC provisions setting forth qualified plan status. The Trustees of the plan have fiduciary obligations and legal liability for any violations of fiduciary duties as independent Trustees. There are seven Trustees: one elected by Police members, one elected by Fire members, one member of the City Commission to be appointed by the City Commission, one person appointed by the Mayor, two persons appointed by the City Commission and one person appointed by the City Commission from a list of not less than four (4) eligible persons submitted jointly by the Police and Fire members.

The financial statements of the System are included in the basic financial statements of the City of Grand Rapids as a Pension Trust Fund. The assets of the Pension Trust Fund include no securities or loans to the City or any other related party.

The System is included as a fiduciary component unit of the City because (1) the Plan is a legally separate entity; (2) the City Board of Commissioners appoints a voting majority of the Pension Board; and (3) the City makes contributions to the Plan on behalf of its participants.

## **Basis of Accounting**

The System's financial statements are prepared using the accrual basis of accounting. Employer contributions are recognized when due according to the formal commitment made by the City to provide the contributions. Plan member contributions are recognized when due. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan.

## **Methods Used to Value Investments**

Investments are reported at estimated fair value. Short-term investments are reported at cost, which approximates fair value. Securities traded on a national or international exchange are valued at the last reported sales price at current exchange rates. For private equity partnerships, private credit partnerships, commodities funds, real estate funds, and fixed income commingled funds, values are based on net asset values provided by underlying investment managers and/or their administrators.

## **Use of Estimates**

The preparation of the System's financial statements in conformity with generally accepted accounting principles requires management to make significant estimates and assumptions that affect the reported amounts of net position available for benefits at the date of the financial statements. Significant estimates are made for investments, the actuarial present value of accumulated plan benefits as of the benefit information date, the changes in net position available for benefits during the reporting period and, when applicable, the disclosures of contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

## **Notes to Financial Statements**

#### **Risks and Uncertainties**

System contributions and the actuarial present value of accumulated plan benefits are calculated based on certain assumptions pertaining to interest rates, inflation rates and employee demographics, all of which are subject to change. Investments are exposed to various risks, such as interest rate, market, and credit risks. Due to uncertainties inherent in the estimations and assumptions process and the level of uncertainty related to changes in the value of investments, it is possible that changes in these estimates, assumptions and risks in the near-term would be material to the financial statements.

## **Investment Income**

Investment income is comprised of interest and dividends, net appreciation or depreciation in fair value of investments, securities lending income, and is net of investment expenses paid. Certain investment fees are deducted directly from the investment portfolios and net with preceding income items. The investment fees deducted directly from the investment portfolios amounted to \$1,086,250 for the fiscal year ending December 31, 2021, and \$749,916 for the fiscal year ending December 31, 2020.

#### COVID-19

In March 2020, the World Health Organization declared the novel coronavirus outbreak (COVID-19) to be a global pandemic. The extent of the ultimate impact of the pandemic on the System's operational and financial performance will depend on various developments, including the duration and spread of the outbreak and its impact on employees, and vendors, all of which cannot be reasonably predicted. At this time, management does not believe that the negative financial impact of the pandemic, if any, would be material to the System.

## 2. Plan Description and Contribution Information

## **Plan Description**

The System is a single-employer, defined benefit pension plan, which provides retirement and disability benefits to plan members and beneficiaries. Benefits are established or amended via collective bargaining between the City and System members. Benefit provisions are outlined in the City's ordinance and administered by Trustees. Eligible members consist of all uniformed police and fire staff who are regularly employed by the City. Benefit provisions are established and amended by City ordinance and provide for either a 13<sup>th</sup> Check or an annual escalator increase to each member's retirement allowance subsequent to his/her retirement date. The adjustment is a 1% non-compounding escalator for Police members (1.5% for Fire members). The specified waiting period is two years for Fire Fighters, the Fire Chief and the Deputy Fire Chief. The specified waiting period is five years for the Police Chief, Deputy Police Chief, and Police members. Eligibility for the escalator depends upon the member's bargaining unit and termination date. Annual post-retirement benefit increases are paid to eligible groups as described below:

## **Notes to Financial Statements**

Covered Group	Termination Date
Fire Chief	On or after January 1, 2016
Fire Fighters	On or after July 1, 2007
Deputy Fire Chief	On or after October 6, 2016
Police Chief and Deputy Police Chief	On or after January 1, 2016
Police Officers	On or after December 17, 2008
Police Command	On or after February 19, 2010

For members not eligible for automatic post-retirement increases, one-half of net investment income over 8% which is attributable to retired life assets is distributed annually (in January) to retired members and beneficiaries who have been on the retirement rolls for 5 years in the form of a 13<sup>th</sup> check. Net investment income is based on a market value rate of return averaged over the preceding 5 plan years. The distribution is in proportion to points. An individual's points are determined by multiplying (i) the number of full years of retirement, to a maximum of 15, by (ii) the number of years, and fractions thereof, of service at retirement. Subsequent to the calculations above, the benefit so calculated for Chief of Police, Deputy Chief, Police Command, Police Officers and Sergeants, Fire Fighters, and beneficiaries having had at least 10 years of service under any bargaining unit shall be increased by twenty percent.

## Eligibility

An eligible employee becomes a participant in the System as of his or her date of permanent employment. The System provides for 100% vesting in System benefits with 10 years of credited service. Fire members may elect to retire after attaining age 55 and completing 10 years of service, or upon attainment of their credited service cap. Police members may elect to retire after attaining age 50 and completing 10 years of service. The yearly allowance, payable monthly for life to the retired member, equals 2.8% of the member's final average compensation times years and months of credited service, up to the applicable allowance cap. Fire members hired on or after January 10, 2012 will have a 2.0% multiplier for the first five years of employment and will have an option between four-and-a-half years and five years of employment to irrevocably elect to increase his/her benefit multiplier to 2.2%, 2.4%, 2.6% or 2.8% for all future credited service after the first five years. If no election is made by such Fire member prior to his/her five-year employment anniversary date, then all credited service shall be calculated using a 2.0% multiplier. Per the most recent contract between the Fire members and the City of Grand Rapids, Firefighter members hired between January 10, 2012 and August 13, 2019 may choose one of the higher multipliers listed above and have this multiplier take effect as early as six months after his/her date of hire. Firefighter members hired after August 13, 2019 may select a multiplier beginning at six months of service, but their election will not be retroactive. Police members hired on or after December 20, 2011 will have a 2.0% multiplier for the first five years of employment and will have an option between four and five years of employment to irrevocably elect to increase his/her benefit multiplier to 2.2%, 2.4%, 2.6% or 2.8% for all future credited service after the first five years. If no election is made by such Police member prior to his/her five-year employment anniversary date, then all credited service shall be calculated using a 2.0% multiplier. Per the most recent contract between the Police Officers & Sergeants members and the City of Grand Rapids, Police officer members hired between December 20, 2011 and August 31, 2019 may choose one of the higher multipliers listed above and have this multiplier take effect as early as six months after his/her date of hire. Police officer members hired on or after September 1, 2019 must make their election no later than six months following their date of hire and the election will be effective as of the member's six-month employment anniversary. If a Police Command

## **Notes to Financial Statements**

member is promoted into the unit from the Police Officers and Sergeants unit and has already elected a higher multiplier, or defaulted to a 2.0% multiplier for all service, then that election or default shall be applicable for service earned while in the Command unit as well. For purposes of benefit calculations, the final average compensation is based on the member's three highest consecutive compensated calendar years of credited service, provided no such rates of salary occur in a calendar year after the calendar year in which the employee attains the number of years of credited service which, when multiplied by the applicable benefit multiplier, equals the allowance cap, increased by 13.6% for Fire members and 15.9% for Police members for the period July 1, 2021 to December 31, 2021, and increased by 12.6% for Fire members and 14.8% for Police members for the period July 1, 2020 to June 30, 2021, and increased by 11.7% for Fire members and 14.0% for Police members for the period January 1, 2020 to June 30, 2020.

At December 31, 2021 and 2020, the System's membership consisted of the following:

December 31,	2021	2020
Retirees and beneficiaries receiving pension benefits	783	758
Terminated plan members entitled to but not receiving benefits	17	19
Active plan members	433	460
Total	1,233	1,237

#### **Contributions**

The City is required by City ordinance to contribute at an actuarially determined rate, calculated to be 28.02% of active member payroll for the period July 1, 2020 through June 30, 2021 and 28.62% for the period July 1, 2021 through December 31, 2021. The required rate was calculated to be 24.95% for the period January 1, 2020 through June 30, 2020. Plan member contributions, which are required by ordinance, are based on compensation. Contributions currently range from 9.86% to 16.44% of regular compensation paid by the City, depending on the bargaining unit, benefit multiplier chosen, and funding level of the System. These contributions are 100% vested. Plan members retain the right upon termination to withdraw their contributions plus regular interest, as defined by City Code, in lieu of any pension rights they may have.

## **Legally Required Reserves**

The System maintains a member deposit fund, which is used to accumulate contributions made by plan members and related accrued interest. As detailed in City ordinance, the fund is legally required to distribute individual employee contributions and related interest upon request by a terminated plan member. The balance in the member deposit fund at December 31, 2021 and 2020 was \$50,418,894 and \$49,329,929, respectively.

## Notes to Financial Statements

## 3. Deposits and Investments

The investments of the System are designed to comply with requirements of the State of Michigan, which has numerous investment limitations depending on the type of investment. The investment policy adopted by the Board is in accordance with state law and has authorized investments according to Michigan Public Act 314 of 1965, as amended. The most significant requirements as they impact the System are as follows:

- 1. Investments in stock and global securities (securities traded outside of the United States) are limited to 70.0% of the System's assets; investments in the stock of any one corporation are limited to 5.0% of the System's assets. Per the investment policy, the total plan target weight for domestic equity is 17.75% and the total plan target weight for the non-U.S. equity is 17.75%. The style factor breakdown is as follows: Active Core 2.66%; Passive/Index 11.54%; and Enhanced Indexing 3.55%. The size factor breakdown is as follows: large stocks 15.09% and small stocks 2.66%.
- 2. Investments in real estate are limited to 10.0% of the System's assets. Per the investment policy, the total plan target weight for global real estate investments is 5.0%.
- 3. Investments in state and local government obligations are limited to 5.0% of the System's assets.

The following was the Board's adopted asset allocation policy as of December 31, 2021 and 2020:

	Target Allo	cation
Asset Class	2021	2020
U.S. equity	17.75%	17.75%
Fixed income	24.50	24.50
Non-U.S. equity and American Depository Receipts	17.75	17.75
Real estate securities	5.00	5.00
Midstream Energy Infrastructure	5.00	5.00
Treasury Inflation Protected Securities	5.00	5.00
Private equity	5.00	5.00
Commodities	5.00	5.00
Private Credit	5.00	5.00
Global Low Volatility	10.00	10.00

For years ended December 31, 2021 and 2020, the annual money-weighted rate of return on pension plan investments, net of pension plan investment expense, was 18.08% and 10.02% respectively. The money-weighted rate of return expresses investment performance net of investment expense, adjusted for the changing amounts actually invested.

The System's cash and investments are subject to several types of risk, which are examined in more detail below.

## **Notes to Financial Statements**

#### **Custodial Credit Risk**

Custodial credit risk for investments is the risk that in the event of the failure of the counterparty to a transaction, the System will not be able to recover the value of investment or collateral securities that are in the possession of an outside party. This portfolio will minimize custodial credit risk by limiting investments to those permitted by Michigan Public Act 314 of 1965, as amended, which include: (a) United States Treasury and Agency; (b) Mortgages (Collateral and CMOs); (c) Corporate Bonds (industrial, finance, asset-backed, utilities, telephone and Yankee); (d) Derivatives (futures, swaps, option contracts on the S&P 500 Index and U.S. Interest Rates, and futures and option contracts on U.S. Treasury and Agency securities); (e) American Depository Receipts; (f) Non-Dollar Bonds; (g) Emerging Market Debt; (h) Cash equivalent investments (including repurchase agreements); (i) Short-term investment funds; (j) International Depository Receipts; (k) Global Depository Receipts; (l) Convertible Bonds; (m) Open and Closed-End country funds; and (n) Warrants.

In addition, the System will conduct business only with investment management firms that will: comply with all relevant provisions contained in Michigan Public Act 314 of 1965, as amended; support the overall investment policies of the System; understand and accept their designated "role" within the System's investment structure; construct a portfolio of securities that reflect the execution of their assigned investment strategy; and adhere to the guidelines of this document and/or any additional written instructions that amend the Investment Policy Statement. As of December 31, 2021 and 2020, no deposits or investments were exposed to custodial credit risk.

#### **Interest Rate Risk**

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. This portfolio structures its fixed income allocation to be approximately neutral in duration and interest rate risk to that of the benchmark (Bloomberg Barclays U.S. Aggregate Index). This should mitigate the relative over- or under-performance of the fixed income composite as a result of changing interest rates.

As of December 31, 2021, the System had the following investments and maturities.

			Less Than				More Than	
	Fair	Value	1 Year	1-6 Years	6-10	Years	10 Years	No Maturity
<u>Equities</u>								
Common and preferred stocks and								
equity mutual funds	\$ 263,76	6,596 \$	-	\$ -	\$	- \$	- :	\$ 263,766,596
Private equity partnerships	40,96	6,303	-	-		-	-	40,966,303
Private credit partnerships	22,02	5,281	-	-		-	-	22,025,281
Total	326,75	8,180	-	-		-	-	326,758,180
Fixed Income								
Government obligations	59,91	.3,969	-	15,909,987	2,856	5,226	17,128,268	24,019,488
State and municipal bonds	29	2,264	-	276,989		-	15,275	-
Corporate bonds and fixed income								
commingled funds	84,21	.9,048	146,247	8,488,074	68,29	4,232	7,290,495	-
Asset-backed securities	6,06	7,339	-	394,364	206	5,544	5,457,991	8,440
Total	150,49	2,620	146,247	25,069,414	71,35	7,002	29,892,029	24,027,928

## **Notes to Financial Statements**

<u>Other</u>							
Cash and money market funds	ç	8,485,048	\$ 8,485,048	\$ -	\$ - 9	- 9	-
Real estate		29,424,653	-	-	-	-	29,424,653
Commodities		26,508,365	-	-	-	-	26,508,365
Investments held as collateral for							
securities lending		40,310,201	40,310,201	-	-	-	<u>-</u>
Total		104,728,267	48,795,249	-	-	-	55,933,018
Grand Total	\$	581,979,067	\$ 48,941,496	\$ 25,069,414	\$ 71,357,002 \$	29,892,029 \$	406,719,126

As of December 31, 2020, the System had the following investments and maturities.

		Less Than				More Than	
	Fair Value	1 Year	1-6 Yea	rs	6-10 Years	10 Years	No Maturity
<u>Equities</u>							
Common and preferred stocks and							
equity mutual funds	\$ 247,914,960	\$ - \$		- \$	- \$	- \$	247,914,960
Private equity partnerships	26,583,039	-		-	-	-	26,583,039
Private credit partnerships	19,782,457	-		-	-	-	19,782,457
Total	294,280,456	-		-	-	-	294,280,456
Fixed Income							
Government obligations	49,208,535	-	8,408,3	78	3,141,491	14,942,561	22,716,105
State and municipal bonds	355,616	-	45,60	56	274,330	35,620	-
Corporate bonds and fixed income							
commingled funds	75,304,920	250,295	9,053,5	38	60,108,432	5,892,605	-
Asset-backed securities	5,947,731	9,468	901,80	28	310,675	4,721,216	4,564
Total	130,816,802	259,763	18,409,4	40	63,834,928	25,592,002	22,720,669
<u>Other</u>							
Cash and money market funds	5,848,466	5,848,466		-	-	-	-
Real estate	21,563,151	-		-	-	-	21,563,151
Commodities	21,121,530	-		-	-	-	21,121,530
Investments held as collateral for							
securities lending	31,039,032	31,039,032		-	-	-	-
Total	79,572,179	36,887,498		-	-	-	42,684,681
Grand Total	\$ 504,669,437	\$ 37,147,261 \$	18,409,4	40 \$	63,834,928 \$	25,592,002 \$	359,685,806

## Credit Risk

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The fixed income portfolio invests in both investment grade bonds and high yield bonds. However, the overall credit rating for the composite is not to be below an "A" rating. At December 31, 2021 and 2020, the System held debt investments with the following credit ratings.

## **Notes to Financial Statements**

		December 31,
	2021	2020
S&P AAA	\$ 1,910,675	\$ 2,494,098
S&P AA	2,165,886	2,906,267
S&P A	68,321,957	5,819,675
S&P A-	-	54,852,338
S&P BBB	14,148,033	12,184,668
S&P BB	116,190	139,300
S&P CC	299,764	304,676
S&P D	-	568
Not subject to credit risk	59,273,667	48,527,090
Unrated	4,256,448	3,588,122
Total	\$ 150,492,620	\$ 130,816,802

## **Concentration of Credit Risk**

Concentration of credit risk is the risk of loss attributed to the magnitude of the System's investment in a single issuer. It is the System's policy that no single holding will represent more than 5% of the total fund. As of December 31, 2021, and 2020, no single holding within this portfolio represented more than 5% of the total fund.

## Foreign Currency Risk

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or a deposit. In general, the foreign currency exposure resulting from international investments is not hedged. This exposes the portfolio to foreign currency risk, which is not expected to harm or help the performance of the fund in a significant way over the long-term.

As of December 31, 2021 and 2020, the System had the following foreign investments:

December 31, 2021	Amount (currency in U.S. dollar)
Common and preferred stocks and equity mutual funds	\$ 140,722,601
Private equity partnerships	17,764,390
Private credit partnerships	16,143,332
Government obligations	308,144
Corporate bonds and fixed income commingled funds	7,684,163
Total	\$ 182,622,630

## **Notes to Financial Statements**

December 31, 2020	Amount (currency in U.S. dollar)			
Common and preferred stocks and equity mutual funds	\$ 137,469,796			
Private equity partnerships	11,973,993			
Private credit partnerships	14,596,894			
Government obligations	322,241			
Corporate bonds and fixed income commingled funds	7,136,375			
Total	\$ 171,499,299			

## Securities Lending Risk

As of December 31, 2021, the System had the following investment types on loan for securities lending purposes, and received the following cash collateral for those loans:

Investment Type	Securities	Fair Value of Loaned Securities Collateralized by Cash Collateral			
U.S. corporate fixed U.S. equities U.S. government fixed	\$	,		3,546,488 21,369,363 15,394,350	
Total	\$	39,564,464	\$	40,310,201	

As of December 31, 2020, the System had the following investment types on loan for securities lending purposes, and received the following cash collateral for those loans:

	Fair Va Securities			
Investment Type	by (	Cash Collateral		Cash Collateral
U.S. Agencies U.S. corporate fixed U.S. equities	\$	\$ 2,918,471 17,122,809 10,221,125		2,979,290 17,642,740 10,417,002
Total	\$	30,262,405	\$	31,039,032

Michigan Public Act 314 of 1965, as amended, permits, and Trustees have implemented, a securities lending program whereby the System, through The Northern Trust Company, lends its securities to broker-dealers and other entities with a simultaneous agreement to return the collateral for the same securities in the future. The System has authorized The Northern Trust Company to utilize the Core U.S.A. Collateral Section in which all collateral is in U.S. dollars only and available to participating lenders who are domiciled or reside in the U.S.A. The System only receives cash collateral. Initial collateral levels will not be less than 102% of the market value of the borrowed securities, or not less than 105% if the borrowed securities and the collateral are denominated in different currencies.

## **Notes to Financial Statements**

The Northern Trust Company will indemnify the System against borrower default in compliance with state statutes if it is unable to recover borrowed securities and distributions made during the term of the loan or loans with respect to those securities as a result of The Northern Trust Company's failure to: (1) make a reasonable determination of the creditworthiness of a borrower, (2) demand adequate and appropriate collateral on a prompt and timely basis, perfect a security interest, obtain equivalent rights in the collateral or maintain control of the collateral, or (3) otherwise perform its duties and responsibilities under its agreement with the System or applicable law.

All securities loans can be terminated on demand by either the System or The Northern Trust Company and are subject to the performance by both parties of any of their respective obligations that remain outstanding at the time of termination. Upon termination of this program by either party, The Northern Trust Company shall terminate all outstanding loans of the System's securities and shall make no further loans. There are no restrictions on the amount of the loans that can be made. Cash collateral may also be invested separately in "term loans," in which case the investments match the loan term. These loans can be terminated on demand either by lender or borrower.

#### Fair Value Measurements

The System categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. Level 1 inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities. Level 2 inputs are inputs – other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly. Finally, Level 3 inputs are unobservable and are based on estimates and assumptions. These levels are determined by the System's investment consultant. These are determined at the fund level based on a review of the investment's class, structure, and what kind of securities are held in the funds. The investment consultant will request the information from the fund manager if necessary.

The System had the following fair value measurements as of December 31, 2021 and 2020:

Investments Measured at Fair Value

December 31, 2021		Level 1		Level 2		Level 3		Total
Government obligations	\$	35,894,481	\$	24,019,488	\$	_	\$	59,913,969
State and municipal bonds	Ų	292,264	Ţ	24,013,400	Ţ		Ţ	292,264
•		,		-		-		,
Corporate bonds and fixed income commingled funds		20,096,924		64,122,124		-		84,219,048
Common and preferred stocks and equity mutual funds		68,584,830		195,181,766		-		263,766,596
Real estate		29,424,653		-		-		29,424,653
Asset backed securities		6,067,339		-		-		6,067,339
Commodities		-		26,508,365		-		26,508,365
Private equity partnerships		-		-		40,966,303		40,966,303
Private credit partnerships		-		-		22,025,281		22,025,281
Investments held as collateral for securities lending		40,310,201		-		-		40,310,201
	\$	200,670,692	\$	309,831,743	\$	62,991,584	=	573,494,019
Investments measured at amortized cost -								
Cash and money market funds								8,485,048
Total Investments							\$	581,979,067

## **Notes to Financial Statements**

#### Investments Measured at Fair Value

December 31, 2020	 Level 1	Level 2	Level 3		Total
Government obligations	\$ 26,492,430	\$ 22,716,105	\$ -	\$	49,208,535
State and municipal bonds	355,616	-	-		355,616
Corporate bonds and fixed income commingled funds	20,452,582	54,852,338	-		75,304,920
Common and preferred stocks and equity mutual funds	63,806,869	184,108,091	-		247,914,960
Real estate	21,563,151	-	-		21,563,151
Asset backed securities	5,947,731	-	-		5,947,731
Commodities	-	21,121,530	-		21,121,530
Private equity partnerships	-	-	26,583,039		26,583,039
Private credit partnerships	-	-	19,782,457		19,782,457
Investments held as collateral for securities lending	 31,039,032	-	-		31,039,032
	\$ 169,657,411	\$ 282,798,064	\$ 46,365,496	=	498,820,971
Investments measured at amortized cost -					
Cash and money market funds					5,848,466
Total Investments				\$	504,669,437

## <u>Fund Investments – Mutual Funds & Separately Managed Accounts (SMAs)</u>

An open-ended mutual fund, a registered investment company, produces a daily net asset value (NAV) that is validated with a sufficient level of observable activity (i.e., purchases and sales at NAV) to support classification of the fair value measurement as Level 1 in the fair value hierarchy. In this case, the NAV represents the exit value of the security at the measurement date. The primary rationale to support the classification of Mutual Funds as Level 1 in the fair value hierarchy are: (1) the investments in the funds are required to be measured at fair value (SEC regulated), (2) the NAV is unadjusted and is in all cases the transaction price for purchases and sales (the NAV represents the exit value of the security at the measurement date), (3) there are no restrictions on redemptions and (4) the NAV is made publicly available daily. The System's investment consultant also typically views SMAs as being reasonably considered Level 1 in the fair value hierarchy. The Fund Investment provides look-through capability to the underlying holdings, which can then be valued at fair market prices with strong liquidity.

## <u>Fund Investments – Commingled Funds & Trusts</u>

Commingled Funds and Common Trust Funds do not all meet these criteria listed above for mutual funds. A fund administrator typically does not have the transparency into valuation methodology and valuation frequency of each of these pooled investment vehicles to make an accurate appraisal of whether the NAV does represent the exit value of the fund at each measurement date. For this reason, the System's investment consultant takes a conservative approach with the default position being to consider these investments as Level 2 in the fair value hierarchy.

## Notes to Financial Statements

The NAV of an open-ended fund, whether a registered investment company fund, such as a mutual fund, or certain alternative investment funds, such as a hedge fund, serves as the basis for subscription and redemption transactions for investors in such funds. For investments in funds for which the underlying assets and liabilities are required to be measured at fair value, and where NAV is available, the NAV is generally the most appropriate starting point when determining the fair value measurement for an interest in such fund. However, when valuing such an investment, the holder must estimate the fair value of the interest held, which at times may be different from a value based solely on the NAV of the fund. The holder should also consider various factors including, but not limited to, the attributes of the interest held, including any restrictions or illiquidity on the disposition of the interest, and the holders' requirements to understand and accept the valuations provided by the fund (or modify them if appropriate), to determine the fair value of the interest itself. Depending on the facts and circumstances, the NAV may need to be adjusted depending upon the rights and obligations of the ownership interest and/or other factors. Furthermore, any adjustments to NAV based on unobservable inputs may result in the fair value measurement being categorized as a Level 3 measurement, if those inputs are significant to the overall fair value measurement.

## **Private Equity**

The valuation of nonpublic private equity investments requires significant management judgment due to the absence of quoted market prices, inherent lack of liquidity and the long-term nature of such assets. As such, private equity investments are often valued initially based upon cost. Each quarter, valuations are reviewed utilizing available market data to determine if the carrying value of these investments should be adjusted. Such market data primarily includes observations of the trading multiples of public companies considered comparable to the private companies being valued. Valuations are adjusted to account for company-specific issues, the lack of liquidity inherent in a nonpublic investment and the fact that comparable public companies are not identical to the companies being valued. Such valuation adjustments are necessary because in the absence of a committed buyer and completion of due diligence similar to that performed in an actual negotiated sale process, there may be company-specific issues that are not fully known that may affect value. In addition, a variety of additional factors are reviewed by management, including, but not limited to, financing and sales transactions with third parties, current operating performance and future expectations of the particular investment, changes in market outlook and the third-party financing environment. As a result of these characteristics, the System's investment consultant believes private equity investments should be included in Level 3 of the fair value hierarchy.

The Adams Street Partners agreement provides that the term of each partnership fund will begin on the initial closing date of the applicable partnership fund for a 12-15-year commitment. Generally, investors may not withdraw from the Global Fund, the feeder vehicles or a fund, except under very limited circumstances.

The Aberdeen Asset Management agreement provides for a 12 – 15-year commitment from the initial capital call. Limited partners may not withdraw from the fund, nor may they sell, transfer or assign their interests except with the consent of the General Partner.

## Notes to Financial Statements

#### **Private Credit**

Much like for private equity, the valuation of private credit investments requires significant judgement due to the absence of quoted market prices, inherent lack of liquidity, and the long-term nature of the assets. Factors that influence valuation include duration, credit score, time until maturity, whether the bond is callable, covenants, among others. Each quarter, valuations are reviewed utilizing available public and private market data to determine if the carrying value of these investments should be adjusted. Valuations are adjusted to account for company-specific issues, the lack of liquidity inherent in a nonpublic investment and the fact that comparable public companies are not identical to the companies being valued. Such valuation adjustments are necessary because in the absence of a committed buyer and completion of due diligence similar to that performed in an actual negotiated sale process, there may be company-specific issues that are not fully known that may affect value. As a result of these characteristics, the System's investment consultant believes private credit investments should be included in Level 3 of the fair value hierarchy.

## 4. Capital Funding Commitment

At December 31, 2021 and December 31, 2020, the System had the following approximate amounts (in millions) outstanding on initial private equity commitments of \$29.5 million with Adams Street Partners.

	2021	2020
Adam Street Partners (2010)	\$ 0.5	\$ 0.5
Adams Street Partners (2013)	0.5	0.9
Adams Street Partners (2015)	1.0	1.6
Adams Street Partners (2017)	1.6	2.5
Adams Street Partners (2019)	4.6	6.4

At December 31, 2021, and December 31, 2020, the System had the following approximate amounts (in millions) outstanding on initial private credit commitments of \$7.0 million with 50 South Capital Advisors.

	2021	2020
50 South Capital Advisors	0.8	1.1

## 5. Net Pension Liability

#### **Net Pension Liability**

The components of the net pension liability at December 31, 2021 and 2020, were as follows:

December 31	2021	2020
Total pension liability	\$630,404,345	\$587,696,804
Plan fiduciary net position	543,311,869	475,503,361
Net Pension Liability	\$87,092,476	\$112,193,443

## Notes to Financial Statements

Plan Fiduciary Net Position as a Percentage of the Total		
Pension Liability	86.18%	80.91%

### **Actuarial Assumptions**

The total pension liability was determined by an actuarial valuation as of December 31, 2021 and 2020, using the following actuarial assumptions, applied to all periods included in the measurement:

	2021	2020
Inflation	3.00% - wage inflation	3.00% - wage inflation
	2.25% price inflation	2.25% price inflation
Salary Increases	3.00% - 20.00% including inflation	3.00% - 20.00% including inflation
Investment rate of return	6.75%	7.00%

#### Mortality tables:

Healthy Pre-Retirement: The Pub-2010 Amount-Weighted, Public Safety, Employee, Male and Female tables, with a base year of 2010 and future mortality improvements projected using scale MP-2019 on a fully generational basis.

Healthy Post-Retirement: The Pub-2010 Amount-Weighted, Public Safety, Healthy Retiree, Male and Female tables, with a base year of 2010 and future mortality improvements projected using scale MP-2019 on a fully generational basis.

Disability Retirement: The Pub-2010 Amount-Weighted, Public Safety, Disabled Retiree, Male and Female, with a base year of 2010 and future mortality improvements projected using scale MP-2019 on a fully generational basis.

The actuarial assumptions used in the December 31, 2021 valuation was based on the results of a 5-year actuarial experience study ending December 31, 2019, approved by the Board in August 2020. All assumptions are expectations of future experience, not market measures.

#### **Key Employee Incentive Program (KEIP)**

Effective December 2016, participation in a Key Employee Incentive Program (KEIP) is open to any employee of the City of Grand Rapids Police and Fire Retirement System who attains service retirement eligibility and maintains a minimum leave accrual balance of 100 hours. A regular retirement benefit is computed for the member as of his/her KEIP election date based upon final average compensation (FAC), credited service and benefit multiplier as of this date. Monthly payments equal to 75% of the computed monthly benefit are deposited into the KEIP Reserve Account (KRA) on behalf of this member. Interest is credited monthly to this balance in the KRA at the rate of 3%, compounded annually. Employer and member contributions shall cease as of the member's KEIP election date. The members may remain in the KEIP for up to five years and then must cease participation in the KEIP. The member's monthly benefit at retirement will be the original monthly payment determined at the KEIP election date plus any applicable post-retirement benefit increases. As of December 31, 2021, there were 36 members in the KEIP program, and the balance of the amount held by the pension plan pursuant to the KEIP program was \$3,761,306.

## **Notes to Financial Statements**

As of December 31, 2020, there were 30 members in the KEIP program, and the balance of the amount held by the pension plan pursuant to the KEIP program was \$3,126,304.

### Long-Term Expected Rate of Return

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 (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Based on information provided by the System's investment advisor, capital market expectations for each major asset class that was included in the plan's current asset allocation as of December 2021 were used; the best estimates for the long-term expected return are summarized in the following table:

Asset Class	Target Allocation	Long- Term Expected Return 10-Year	Long-Term Expected Return 20-Year	Long-Term Expected Return 30-Year
U.S. equity	17.75%	4.50%	5.39%	6.28%
Non-U.S. equity and American Depository Receipts	17.75%	5.75%	6.39%	7.03%
Core Fixed Income	24.50%	2.00%	2.83%	3.65%
Treasury Inflation Protected Securities  Real estate  Private equity	5.00% 5.00% 5.00%	1.45% 4.55% 8.10%	2.41% 5.23% 8.79%	3.38% 5.90% 9.48%
Commodities	5.00%	4.30%	4.66%	5.03%
Midstream Energy Infrastructure	5.00%	6.60%	7.15%	7.70%
Private credit	5.00%	6.92%	7.06%	7.19%
Global low volatility	10.00%	5.18%	5.95%	6.72%
Total Inflation	100.00%	4.97% 2.60%	5.68% 2.58%	6.40% 2.55%

#### **Discount Rate**

A single discount rate of 6.75% was used to measure the total pension liability at December 31, 2021, as compared to 7.00% at December 31, 2020. This single discount rate was based on the expected rate of return on System investments of 6.75%. The projection of cash flows used to determine this single discount rate assumed that plan member contributions will be made at the current contribution rate and that employer contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rate. Based on these assumptions, the System'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.

## **Notes to Financial Statements**

Regarding the sensitivity of the net pension liability to changes in the single discount rate, the following presents the System's net pension liability, calculated using a single discount rate of 6.75% for 2021 and 7.00% for 2020, as well as what the net pension liability would be if it were calculated using a single discount rate that is 100 basis points lower or 100 basis points higher:

# Sensitivity of Net Pension Liability to the Single Discount Rate Assumption – December 31, 2021

## **Current Single Discount**

	100 Basis Point		100 Basis Point	
	Decrease	Rate Assumption	Increase	
	5.75%	6.75%	7.75%	
Total Pension Liability	\$709,095,251	\$630,404,345	\$566,069,338	
Plan Net Position	543,311,869	543,311,869	543,311,869	
Net Pension Liability	\$165,783,382	\$87,092,476	\$22,757,469	

# Sensitivity of Net Pension Liability to the Single Discount Rate Assumption – December 31, 2020

## **Current Single Discount**

	100 Basis Point		100 Basis Point	
	Decrease	Rate Assumption	Increase	
	6.00%	7.00%	8.00%	
Total Pension Liability	\$659,115,246	\$587,696,804	\$529,004,094	
Plan Net Position	475,503,361	475,503,361	475,503,361	
Net Pension Liability	\$183,611,885	\$112,193,443	\$ 53,500,730	

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# Required Supplementary Information Schedule of Changes in the Employer's Net Pension Liability and Related Ratios

Year ended December 31,		2021& 2020#		2019
Total Pension Liability				
Service cost	\$	10,109,359	\$ 9,269,719	\$ 9,071,101
Interest on the total pension liability	·	40,340,298	38,670,466	37,279,003
Changes in benefit terms		-	-	-
Difference between expected and actual experience		7,963,985	2,397,342	2,068,208
Assumption changes		17,216,930	16,339,734	-
Benefit payments		(31,391,289)	(29,880,788)	(27,511,480)
Refunds		(1,531,742)	(501,756)	(219,197)
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Net Change in Total Pension Liability	\$	42,707,541	\$ 36,294,717	\$ 20,687,635
Total Pension Liability, beginning	\$	587,696,804	\$ 551,402,087	\$ 530,714,452
Total Pension Liability, ending (a)	\$	630,404,345	\$ 587,696,804	\$ 551,402,087
Plan Fiduciary Net Position				
Contributions – employer	\$	11,660,533	\$ 10,716,480	\$ 9,672,074
Contributions – member	·	5,930,546	5,379,200	5,832,668
Pension plan net investment income (loss)		83,691,240	44,539,549	71,090,048
Benefit payments		(31,391,289)	(29,880,788)	(27,511,480)
Refunds		(1,531,742)	(501,756)	(219,197)
Pension plan administrative expense		(550,780)	(576,813)	(592,306)
Net Change in Plan Fiduciary Net Position		67,808,508	29,675,872	58,271,807
Net change in Flan Fladelary Net Fosition		07,000,500	23,073,072	30,271,007
Plan Fiduciary Net Position, beginning		475,503,361	445,827,489	387,555,682
Plan Fiduciary Net Position, ending (b)	\$	543,311,869	\$ 475,503,361	\$ 445,827,489
Net Pension Liability – Ending (a) – (b)	\$	87,092,476	\$ 112,193,443	\$ 105,574,598
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Plan Fiduciary Net Position as a Percentage of Total Pension Liability		86.18%	80.91%	80.85%
Covered Payroll	\$	41,018,362	\$ 40,201,129	\$ 39,566,105
Net Pension Liability as a Percentage of Covered Payroll		212.33%	6 279.08%	266.83%

&The December 31, 2021 valuation incorporates a new investment return assumption of 6.75% pursuant to annual review of economic assumptions. Reducing the investment return assumption increased the employer contribution rate by 3.4%; increased the actuarial accrued liability by \$17.3 million; and decreased the funded ratio by 2.2%.

## Required Supplementary Information Schedule of Changes in the Employer's Net Pension Liability and Related Ratios

#The December 31, 2020 valuation incorporates assumption changes pursuant to the five-year Experience Study performed in 2020. Key assumption changes included: Investment Return: decreased from 7.15% to 7.00%; Price Inflation: decreased from to 2.50% to 2.25%; Wage Inflation: decreased from 3.25% to 3.00%; Mortality Rates: updated to the Pub-2010 Amount-Weighted, Public Safety mortality tables on a fully generational basis; Retirement Rates: increased to reflect experience Turnover Rates: decreased to reflect experience. The new assumptions increased the employer contribution rate by 5.4%, increased the actuarial accrued liability by \$17.5 million, and decreased the funded ratio by 2.3%.

Year ended December 31,	2018	2017*	2016**
Total Pension Liability	ć 0.700.1 <i>C</i> 0	ć 0.722.404	ć 0.500.21 <i>4</i>
Service cost		\$ 8,723,494	
Interest on the total pension liability	35,724,491	34,356,314	32,676,162
Changes in benefit terms	-	-	114,084
Difference between expected and actual experience	4,658,725	3,265,534	7,264,098
Assumption changes	-	5,497,995	1,551,086
Benefit payments	(27,117,475)	(24,794,055)	(29,338,856)
Refunds	(286,684)	(19,080)	(21,606)
Net Change in Total Pension Liability	\$ 21,759,225	\$ 27,030,202	\$ 20,833,282
Total Pension Liability, beginning	\$ 508,955,227	\$481,925,025	\$ 461,091,743
Total Pension Liability, ending (a)	\$ 530,714,452	\$508,955,227	\$ 481,925,025
Plan Fiduciary Net Position			
Contributions – employer		\$ 8,911,489	\$ 7,166,351
Contributions – member	5,313,127		4,929,842
Pension plan net investment income (loss)	(24,718,114)		25,712,942
Benefit payments	(27,117,475)	(24,794,055)	(29,338,856)
Refunds	(286,684)	(19,080)	(21,606)
Pension plan administrative expense	(602,512)	(580,690)	(542,277)
Net Change in Plan Fiduciary Net Position	37,990,353	42,373,096	7,906,396
Net Change in Flan Fluuciary Net Position	37,990,333	42,373,090	7,900,390
Plan Fiduciary Net Position, beginning	425,546,035	383,172,939	375,266,542
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Plan Fiduciary Net Position, ending (b)	\$ 387,555,682	\$425,546,035	\$ 383,172,939
Net Pension Liability – Ending (a) – (b)	\$ 143,158,770	\$ 83,409,192	\$ 98,752,086

## Required Supplementary Information Schedule of Changes in the Employer's Net Pension Liability and Related Ratios

Year ended December 31,	2018	2017*	2016**
Plan Fiduciary Net Position as a Percentage of Total Pension Liability	73.03%	83.61%	79.51%
Covered Payroll	\$ 38,122,879	\$ 38,919,488	\$ 38,129,771
Net Pension Liability as a Percentage of Covered Payroll	375.52%	214.31%	258.99%

<sup>\*</sup>The December 31, 2017 valuation incorporates assumption changes related to the assumed rate of investment return which was decreased from 7.25% to 7.15%. This increased the employer contribution rate by 1.30% and decreased the funded ratio by 0.9%.

\*\*Totals may not add up due to rounding. The December 31, 2016 valuation incorporates assumption changes related to new benefit provisions, non-duty disability and wage inflation. For new benefits, the Key Employee Incentive Program was adopted and the non-duty disability benefit becomes fully vested at 10 years of service with pro-rated benefits if less than 10 years. The non-duty disability benefit change decreased the employer contribution rate by 0.04%. For new assumptions, wage inflation assumption was lowered from 3.50% to 3.25%. This decreased the employer contribution rate by 0.47% and increased the funded ratio by 0.2%.

Year ended December 31,		2015***	2014
Total Pension Liability			
Service cost	\$	7,482,069 \$	7,794,219
Interest on the total pension liability	*	29,375,231	28,440,421
Changes in benefit terms		-	-, -,
Difference between expected and actual experience		16,663,107	2,978,624
Assumption changes		35,683,769	-
Benefit payments		(32,070,933)	(21,079,038)
Refunds		(11,369)	(24,749)
Net Change in Total Pension Liability	\$	57,121,874 \$	18,109,477
Total Pension Liability, beginning	\$	403,969,869 \$	385,860,392
	•		
Total Pension Liability, ending (a)	\$	461,091,743 \$	403,969,869

## Required Supplementary Information Schedule of Changes in the Employer's Net Pension Liability and Related Ratios

Plan Fiduciary Net Position		
Contributions – employer	\$ 5,630,297 \$	6,331,848
Contributions – member	4,557,165	4,563,692
Pension plan net investment income (loss)	(9,083,712)	29,375,836
Benefit payments	(32,070,933)	(21,079,038)
Refunds	(11,369)	(24,749)
Pension plan administrative expense	(581,364)	(523,607)
Net Change in Plan Fiduciary Net Position	(31,559,916)	18,643,982
Plan Fiduciary Net Position, beginning	406,826,458	388,182,475
Plan Fiduciary Net Position, ending (b)	\$ 375,266,542 \$	406,826,458
Net Pension Liability (Asset) – Ending (a) – (b)	\$ 85,825,201\$	(2,856,589)
Plan Fiduciary Net Position as a Percentage of Total		
Pension Liability	81.39%	100.71%
Covered Payroll	\$ 36,827,593 \$	35,710,964
	222.05%	(0.00)0(
Net Pension Liability as a Percentage of Covered Payroll	233.05%	(8.00)%

<sup>\*\*\*</sup>The December 31, 2015 valuation incorporates assumption changes related to mortality tables, rates of disability and rates of salary increases. The use of the new assumptions increased the employer contribution rate by 5.83% and decreased the funded ratio by 7.0%.

# Required Supplementary Information Schedule of Employer Contributions

FY Ending <u>December 31,</u>	Actuarially Determined Contribution	Actual <u>Contribution</u>	Contribution (Deficiency) <u>Excess</u>	Covered <u>Payroll</u>	Actual Contribution as a % of Covered Payroll
2012	\$8,194,227	\$8,194,227	\$0	\$33,970,131	24.12%
2013	\$7,531,566	\$7,531,566	\$0	\$33,110,530	22.75%
2014	\$6,331,848	\$6,331,848	\$0	\$35,710,964	17.73%
2015	\$5,630,297	\$5,630,297	\$0	\$36,827,593	15.29%
2016	\$7,166,351	\$7,166,351	\$0	\$38,129,771	18.79%
2017	\$8,911,489	\$8,911,489	\$0	\$38,919,488	22.90%
2018	\$9,421,305	\$9,421,305	\$0	\$38,122,879	24.71%
2019	\$9,672,074	\$9,672,074	\$0	\$39,566,105	24.45%
2020	\$10,716,480	\$10,716,480	\$0	\$40,201,129	26.66%
2021	\$11,660,533	\$11,660,533	\$0	\$41,018,362	28.43%

### **Methods and Assumptions Used to Determine Contribution Rates**

Valuation Date	Actuarially determined contribution rates are calculated as of December 31, two years prior to the end of the fiscal year in which contributions are reported.
Actuarial Cost Method	Individual Entry Age
Amortization Method	Level Percentage of Payroll, Closed (was level percent open for plan year ending 12/31/12)
Remaining Amortization Period	Multiple periods (was 30 years for the plan years ending 12/31/12 and 12/31/15; was 25 years for the plan year ending 12/31/13; was 24 years for the plan year ending 12/31/14)
Asset Valuation Method	5-Year Smoothed Market
Inflation	3.00% (was at 3.50% for plan years ending 12/31/12 – 12/31/15; 3.25% for plan years ending 12/31/16 – 12/31/19).
Salary Increases	3.00% to $20.00%$ including inflation (was $3.50%$ to $20.50%$ for plan years ending $12/31/12-12/31/15$ ; was $3.25%$ to $20.25%$ for plan years ending $12/31/16-12/31/19$ )
Investment Rate of Return	6.75% (was blended rate of 7.36% for plan years ending 12/31/12 – 12/31/14; was 7.25% for plan years ending 12/31/15 – 12/31/16; 7.15% for plan years ending 12/31/17 – 12/31/19; 7.00% for plan year ending 12/31/20).

## Required Supplementary Information Schedule of Employer Contributions

#### Cost-of-Living Adjustments

Ad hoc "13<sup>th</sup> check" tied to plan investments for benefit recipients who do not have an automatic benefit increase.

- 1.5% simple escalator for firefighters retired on or after July 1, 2007 with commencement delayed 2 years after retirement.
- 1.5% simple escalator for Fire Chief retired on or after January 1, 2016 and Deputy Fire Chief retired on or after October 6, 2016 with commencement delayed 2 years after retirement.
- 1.0% simple escalator for police command officer retired on or after February 19, 2010 with commencement delayed 5 years after retirement.
- 1.0% simple escalator for police officers and sergeants retired on or after December 17, 2008 with commencement delayed 5 years after retirement
- 1.0% simple escalator for Police Chief and Deputy Police Chief retired on or after January 1, 2016 with commencement delayed 5 years after retirement.

Retirement Age

Experience-based table of rates that are specific to the type of eligibility condition.

Mortality

The Pub-2010 Amount-Weighted, Public Safety, Employee, Male and Female tables, a base year of 2010 and future mortality improvements projected using scale MP-2019 for healthy preretirement; the Pub-2010 Amount-Weighted, Public Safety, Healthy Retiree, Male and Female tables, a base year of 2010 and future mortality improvements projected using scale MP-2019 for healthy post-retirement; the Pub-2010 Amount-Weighted, Public Safety, Disabled Retiree, Male and Female tables, a base year of 2010 and future mortality improvements projected using scale MP-2019 for disability retirement; (was the 1983 Group Annuity Male and Female Mortality Tables set back 3 years for males and 2 years for females for plan years ending 12/31/12 – 12/31/14; was RP-2014 Healthy Annuitant Mortality Table projected to 2019 using the MP-2014 Mortality Improvement Scale for plan years ending 12/31/15 – 12/31/19.

# Required Supplementary Information Schedule of Investment Returns Annual Money-Weighted Rate of Return, Net of Investment Expense Last Ten Years

2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
18.08%	10.02%	18.82%	(5.75)%	14.44%	7.22%	(2.27)%	7.82%	17.19%	15.21%

# Required Supplementary Information Schedule of the Employer's Net Pension Liability

FY Ending December 31,	Total Pension <u>Liability</u>	Plan Fiduciary <u>Net Position</u>	Net Pension <u>Liability</u>	Plan Fiduciary Net Position as a % of Total Pension Liability	Covered <u>Payroll</u>	Net Pension Liability as a % of <u>Covered Payroll</u>
2014	\$403,969,869	\$406,826,458	\$(2,856,589)	100.71%	\$35,710,964	(8.00)%
2015	\$461,091,743	\$375,266,542	\$85,825,201	81.39%	\$36,827,593	233.05%
2016	\$481,925,025	\$383,172,939	\$98,752,086	79.51%	\$38,129,771	258.99%
2017	\$508,955,227	\$425,546,035	\$83,409,192	83.61%	\$38,919,488	214.31%
2018	\$530,714,452	\$387,555,682	\$143,158,770	73.03%	\$38,122,879	375.52%
2019	\$551,402,087	\$445,827,489	\$105,574,598	80.85%	\$39,566,105	266.83%
2020	\$587,696,804	\$475,503,361	\$112,193,443	80.91%	\$40,201,129	279.08%
2021	\$630,404,345	\$543,311,869	\$87,092,476	86.18%	\$41,018,362	212.33%

GASB 67 was implemented for the plan year ending December 31, 2014; this schedule is being built prospectively. Ultimately, 10 years of data will be presented.

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**Internal Control and Compliance** 

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# INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS

May 25, 2022

Board of Trustees City of Grand Rapids Police and Fire Retirement System Grand Rapids, Michigan

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the *City of Grand Rapids Police and Fire Retirement System* (the "System"), a fiduciary component unit of the City of Grand Rapids, Michigan, as of and for the year ended December 31, 2021, and the related notes to the financial statements, which collectively comprise the System's basic financial statements, and have issued our report thereon dated May 25, 2022.

#### **Report on Internal Control Over Financial Reporting**

In planning and performing our audit of the financial statements, we considered the System's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the System's internal control. Accordingly, we do not express an opinion on the effectiveness of the System's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses or significant deficiencies may exist that have not been identified.

#### **Report on Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the System's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

#### **Purpose of this Report**

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the System's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Rehmann Loham LLC