

**SAN FRANCISCO CITY AND COUNTY  
EMPLOYEES' RETIREMENT SYSTEM**

Financial Statements and  
Required Supplementary Information  
(With Independent Auditor's Report Thereon)

Years Ended June 30, 2023 and 2022

**SAN FRANCISCO CITY AND COUNTY  
EMPLOYEES' RETIREMENT SYSTEM**  
Years Ended June 30, 2023 and 2022

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## Independent Auditor's Report

Retirement Board of San Francisco  
City and County Employees' Retirement System  
San Francisco, California

### Report on the Audit of the Financial Statements

#### *Opinion*

We have audited the financial statements of the San Francisco City and County Employees' Retirement System (Retirement System), a pension trust fund of the City and County of San Francisco, California, as of and for the years ended June 30, 2023, and 2022, and the related notes to the financial statements, which collectively comprise the Retirement 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 fiduciary net position of the Retirement System as of June 30, 2023, and 2022, and the changes in its fiduciary net 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 (*Government Auditing Standards*). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Retirement 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.

#### *Emphasis of Matter*

As described in Note 1, the financial statements present only the Retirement System and do not purport to, and do not, present fairly the financial position of the City and County of San Francisco as of June 30, 2023, and 2022, the changes in its financial position, or, where applicable, its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

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

The Retirement System's 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 Retirement 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.

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

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

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

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Retirement 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 Retirement 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, the schedule of changes in collective net pension liability/(asset) and related ratios, the schedule of employer contributions, and the schedule of money-weighted rate of return, as listed in the table of contents, be presented to supplement the basic financial statements. Such information, 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 financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with GAAS, 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 audits 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 December 19, 2023, on our consideration of the Retirement 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 Retirement 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 Retirement System's internal control over financial reporting and compliance.

*Macias Gini & O'Connell LLP*

Walnut Creek, California  
December 19, 2023

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Management's Discussion and Analysis – Unaudited (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The management of the City and County of San Francisco Employees' Retirement System (Retirement System) is pleased to provide this overview and analysis of the financial activities of its cost-sharing multiple-employer defined benefit pension plan (Plan) for the years ended June 30, 2023, and 2022. We encourage readers to consider the information presented here in conjunction with the *Basic Financial Statements and Required Supplementary Information*, which follow this discussion. All amounts, unless otherwise indicated, are expressed in thousands of dollars.

### **Financial Highlights**

#### ***Fiscal Year 2023***

- The assets and deferred outflows of resources of the Retirement System exceeded its liabilities and deferred inflows of resources at the close of the year ended June 30, 2023. The Plan held \$33,688,428 of net position restricted for pension benefits. All of the fiduciary net position is available to meet the Retirement System's ongoing obligations to plan participants and their beneficiaries.
- The Retirement System's funding objective is to meet long-term benefit obligations through contributions and investment income. The Retirement System's fiduciary net position as a percentage of the total pension liability should be considered when evaluating the Retirement System's financial health. Based on the June 30, 2023, measurement date, the fiduciary net position was 90.2% of the total pension liability.
- For the year ended June 30, 2023, the Retirement System's net investment income of \$1,670,666 represents a 5.1% increase in fiduciary net position as of the beginning of the fiscal year.
- Total fiduciary net position held in trust for pension benefits increased by \$889,904, or 2.7%, primarily as a result of positive investment returns, which were reduced by the net difference between contributions to the Plan and benefits, refunds, and administrative expenses incurred by the Plan.
- Members' contributions to the Plan totaled \$413,916, a decrease of \$9,555 or 2.3% from the prior year, primarily as a result of the decrease in employee contribution rates. Employee contribution rates ranged from 7.5% - 12.0% in fiscal year 2022-23 and 7.5% - 13.0% in fiscal year 2021-22.
- In order to maintain the fiscal soundness of the Plan, required employer contributions to the Plan totaled \$672,651, a decrease of \$95,812 or 12.5% from the prior year, primarily due to decreased employer contribution rates. Employer contribution rates ranged from 17.85% to 21.35% in fiscal year 2022-23 and 19.91% to 24.41% in fiscal year 2021-22.
- Total deductions from the Plan were \$1,867,329, an increase of 6.2% from the prior year due to an increase in benefits paid during the current fiscal year, as a result of an increase in the number of payees, higher average retirement benefits, a Charter amendment affecting members who retired before November 6, 1996, and an increase in the cost of living adjustments (COLA).

#### ***Fiscal Year 2022***

- The assets and deferred outflows of resources of the Retirement System exceeded its liabilities and deferred inflows of resources at the close of the year ended June 30, 2022. The Plan held \$32,798,524 of net position restricted for pension benefits. All of the fiduciary net position is available to meet the Retirement System's ongoing obligations to plan participants and their beneficiaries.

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Management's Discussion and Analysis – Unaudited (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

- The Retirement System's funding objective is to meet long-term benefit obligations through contributions and investment income. The Retirement System's fiduciary net position as a percentage of the total pension liability should be considered when evaluating the Retirement System's financial health. Based on the June 30, 2022, measurement date, the fiduciary net position was 92.4% of the total pension liability.
- For the year ended June 30, 2022, the Retirement System's net investment loss of \$2,308,320 represents a 6.5% decrease in fiduciary net position as of the beginning of the fiscal year.
- Total fiduciary net position held in trust for pension benefits decreased by \$2,875,310, or 8.1%, primarily as a result of market declines and the net difference between contributions to the Plan and benefits, refunds, and administrative expenses incurred by the Plan.
- Members' contributions to the Plan totaled \$423,471, an increase of \$14,073 or 3.4% from the prior year, primarily as a result of a 3.3% increase in covered payroll. Employee contribution rates in fiscal year 2021-22 ranged from 7.5% - 13.0%, same as in fiscal year 2020-21.
- In order to maintain the fiscal soundness of the Plan, required employer contributions to the Plan totaled \$768,463, a decrease of \$68,096 or 8.1% from the prior year, primarily due to decreased employer contribution rates offset by a 3.3% increase in covered payroll. Employer contribution rates ranged from 19.91% to 24.41% in fiscal year 2021-22 and 22.40% to 26.90% in fiscal year 2020-21.
- Total deductions from the Plan were \$1,758,924, an increase of 7.3% from the prior year due to an increase in benefits paid during the current fiscal year, as a result of an increase in the number of payees, higher average retirement benefits and an increase in the cost of living adjustments (COLA).

### **Overview of Financial Statements**

The following discussion and analysis are intended to serve as an introduction to the Retirement System's financial statements, which are comprised of the following components:

1. ***Statements of Fiduciary Net Position*** are snapshots of account balances as of the close of the years June 30, 2023, and 2022. They indicate the total assets, deferred outflows of resources, total liabilities, deferred inflows of resources, and the net position restricted for future payment of retirement benefits and operating expenses as of June 30, 2023, and 2022.
2. ***Statements of Changes in Fiduciary Net Position*** provide a view of additions to and deductions from the Plan during the years ended June 30, 2023, and 2022.
3. ***Notes to Financial Statements*** provide additional information that is essential to a full understanding of the data provided in the financial statements.

The statements of fiduciary net position and the statements of changes in fiduciary net position report information about the Retirement System's financial activities, prepared using the accrual basis of accounting. Contributions to the Plan are recognized when due pursuant to legal requirements and benefits and refunds are recognized when currently due and payable in accordance with the terms of the Plan.

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Management's Discussion and Analysis – Unaudited (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

Investments are reported at fair value. Securities traded on a national or international exchange are valued at the last reported sales price at current exchange rates. Securities that do not have an established market are reported at estimated fair value derived from third party pricing services. Purchases and sales of investments are recorded on a trade date basis. The fair values of the Retirement System's partnership interests, which include private equity, real assets, private credit, absolute return, and some public equity investments, are based on net asset values provided by the general partners and investment managers.

Investments in forward currency contract investments are commitments to purchase and sell stated amounts of foreign currency. Changes in fair value of open contracts are immediately recognized as gains or losses. The fair value of forward currency contracts is determined by quoted currency prices from national exchanges.

Additional information on the Retirement System's investments can be found in Notes 4, 5, 6 and 7 of this report.

### **Financial Analysis**

The Plan's net position may serve over time as a useful indication of the Plan's financial position. The assets and deferred outflows of resources of the Plan exceeded its liabilities and deferred inflows of resources at June 30, 2023 and 2022. All of the Plan's fiduciary net position is restricted to meet the Retirement System's ongoing obligation to Plan participants and their beneficiaries.

The Plan's fiduciary net position as of June 30, 2023, 2022, and 2021 are represented in the table below:

#### **Fiduciary Net Position Summary – June 30, 2023, 2022, and 2021**

	<b>2023</b>	<b>2022</b>	<b>2021</b>
Other assets	\$ 180,313	\$ 199,264	\$ 330,508
Investments at fair value	34,194,580	33,362,050	36,210,381
Total assets	34,374,893	33,561,314	36,540,889
Deferred outflows of resources	2,366	2,092	2,255
Total assets and deferred outflows of resources	34,377,259	33,563,406	36,543,144
Total liabilities	686,953	762,713	867,338
Deferred inflows of resources	1,878	2,169	1,972
Total liabilities and deferred inflows of resources	688,831	764,882	869,310
Fiduciary net position	\$ 33,688,428	\$ 32,798,524	\$ 35,673,834

As of June 30, 2023, the Plan's total fiduciary net position held in trust for pension benefits increased by \$889,904 or 2.7% for the year, primarily due to positive investment returns. Payables to brokers increased by \$16,563 and payables to borrowers of securities increased by \$20,851 due to the timing of investments and lending activities.

As of June 30, 2022, the Plan's total fiduciary net position held in trust for pension benefits decreased by \$2,875,310 or 8.1% for the year, primarily due to market declines. Payables to brokers decreased by \$4,597 and payables to borrowers of securities decreased by \$228,957 due to the timing of investments and lending activities.



**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Management's Discussion and Analysis – Unaudited (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

As fiduciaries to the Plan members and beneficiaries, the Retirement Board, Retirement System staff, and our investment consultants continuously monitor the Plan's investment strategies, which comply with a "prudent expert" standard, to secure and maintain the sustainability of the Plan.

**Highlights of Changes in Fiduciary Net Position – Years ended June 30, 2023, 2022, and 2021**

	<b>2023</b>	<b>2022</b>	<b>2021</b>
<b>Additions:</b>			
Member contributions	\$ 413,916	\$ 423,471	\$ 409,398
Employer contributions	672,651	768,463	836,559
Interest	66,501	43,365	50,520
Dividends	94,883	106,986	84,514
Net appreciation (depreciation) in fair value of investments	1,560,025	(2,380,535)	9,372,334
Securities lending income	29,305	4,819	4,059
Investment expenses	(53,819)	(80,806)	(62,331)
Securities lending borrower rebates and expenses	(26,229)	(2,149)	(1,427)
Total additions	<u>2,757,233</u>	<u>(1,116,386)</u>	<u>10,693,626</u>
<b>Deductions:</b>			
Benefits	1,820,269	1,710,092	1,599,507
Refunds of contributions	24,096	27,658	20,254
Administrative expenses	23,687	21,364	20,995
Administrative expenses and offset - OPEB	(723)	(190)	(746)
Total deductions	<u>1,867,329</u>	<u>1,758,924</u>	<u>1,640,010</u>
Net increase (decrease) in fiduciary net position	889,904	(2,875,310)	9,053,616
<b>Fiduciary net position – restricted for pension benefits:</b>			
Beginning of year	<u>32,798,524</u>	<u>35,673,834</u>	<u>26,620,218</u>
End of the year	<u>\$ 33,688,428</u>	<u>\$ 32,798,524</u>	<u>\$ 35,673,834</u>

***Fiscal Year 2023***

- Members' contributions to the Plan totaled \$413,916, a decrease of \$9,555 or 2.3% from the prior year, primarily as a result of the decrease in employee contribution rates. Employee contribution rates ranged from 7.5% - 12.0% in fiscal year 2022-23 and 7.5% - 13.0% in fiscal year 2021-22.
- In order to maintain the fiscal soundness of the Plan, required employer contributions to the Plan totaled \$672,651, a decrease of \$95,812 or 12.5% from the prior year, primarily due to decreased employer contribution rates. Employer contribution rates ranged from 17.85% to 21.35% in fiscal year 2022-23 and 19.91% to 24.41% in fiscal year 2021-22.

## **SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Management's Discussion and Analysis – Unaudited (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

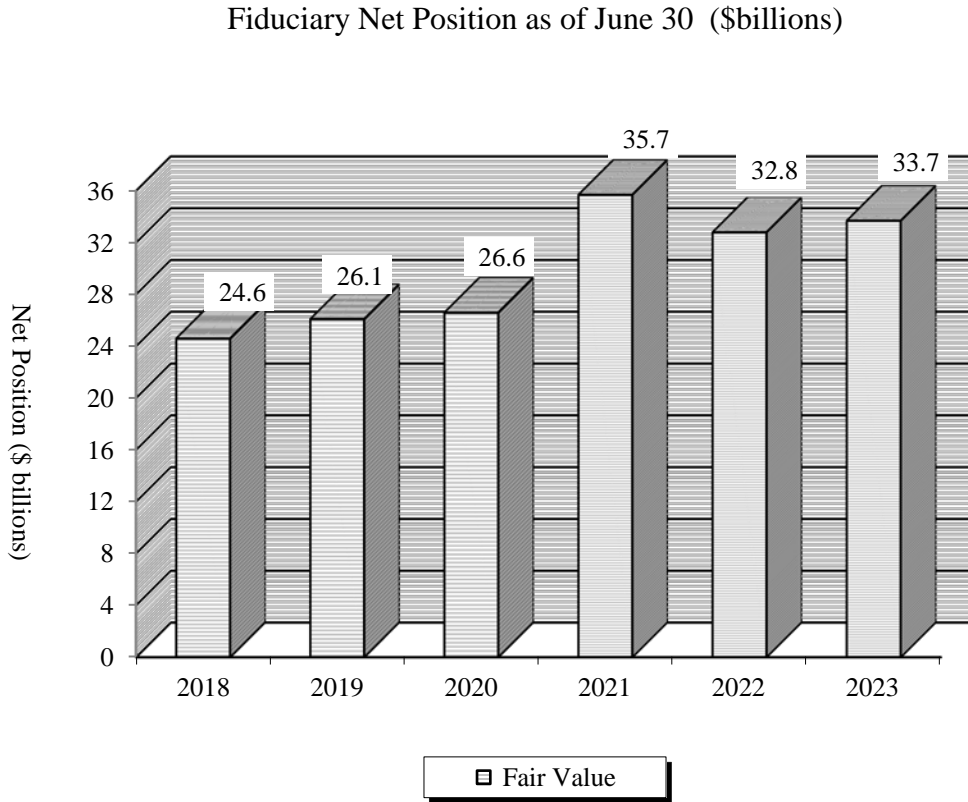
- Net investment income for the Retirement System increased by \$3,978,986 on a year over year basis. The majority of the increase is attributable to the \$3,940,560 increase in net appreciation of investments, primarily due to strong performance in the public markets. Interest income increased by \$23,136, mainly due to the domestic fixed income markets.
- Benefit payments to Plan participants increased by \$110,177 or 6.4%, due to an increase in the number of payees, a Charter amendment that increased benefits for members who retired prior to November 6, 1996, an increase in average retirement benefits and an increase in the COLA.

### ***Fiscal Year 2022***

- Members' contributions to the Plan totaled \$423,471, an increase of \$14,073 or 3.4% from the prior year, primarily as a result of a 3.3% increase in covered payroll. Employee contribution rates in fiscal year 2021-22 ranged from 7.5% - 13.0%, same as in fiscal year 2020-21.
- In order to maintain the fiscal soundness of the Plan, required employer contributions to the Plan totaled \$768,463, a decrease of \$68,096 or 8.1% from the prior year, primarily due to decreased employer contribution rates offset by a 3.3% increase in covered payroll. Employer contribution rates ranged from 19.91% to 24.41% in fiscal year 2021-22 and 22.40% to 26.90% in fiscal year 2020-21.
- Net investment income for the retirement system decreased by \$11,755,989 on a year over year basis. The majority of the decrease is attributable to the decline in net appreciation of investments, primarily due to broad declines in the public markets and slowed appreciation in private equity. Interest income decreased by \$7,155, mainly due to the domestic fixed income markets.
- Benefit payments to Plan participants increased by \$110,585 or 6.9%, due to an increase in the number of payees, an increase in average retirement benefits and an increase in the COLA.

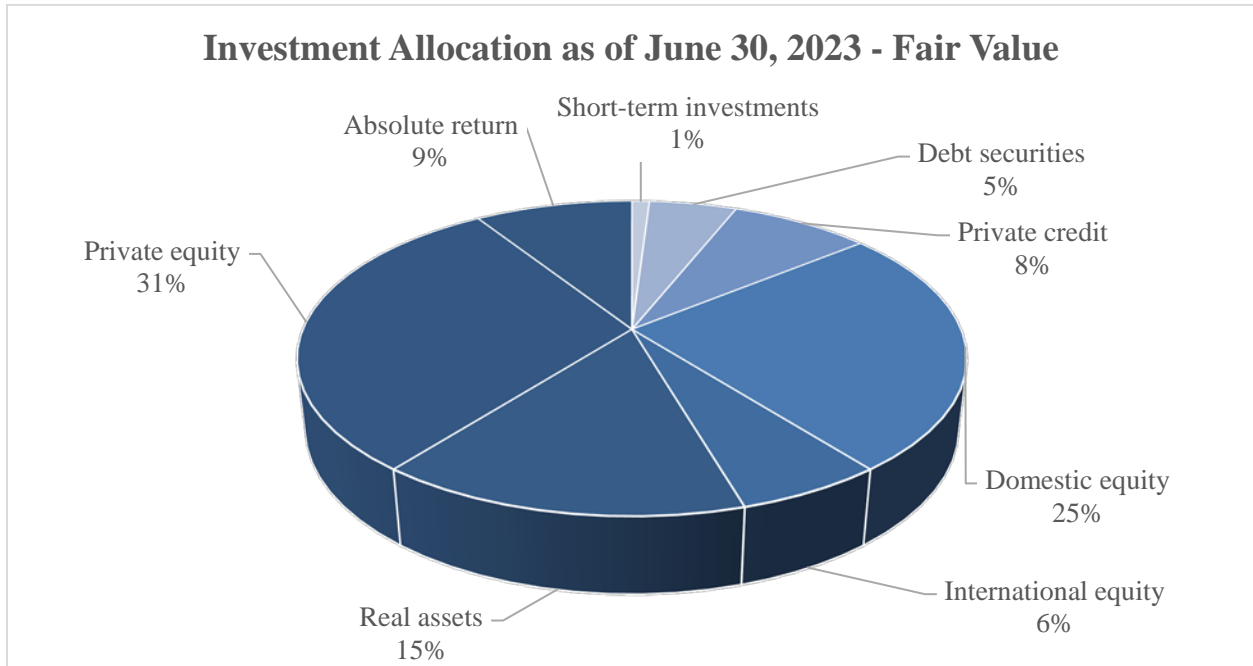
**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**  
Management's Discussion and Analysis – Unaudited (Continued)  
Years Ended June 30, 2023 and 2022  
(Dollar amounts in thousands)

Fiduciary net position as of June 30, 2018 through 2023, expressed at fair value of investments are represented in the chart below:

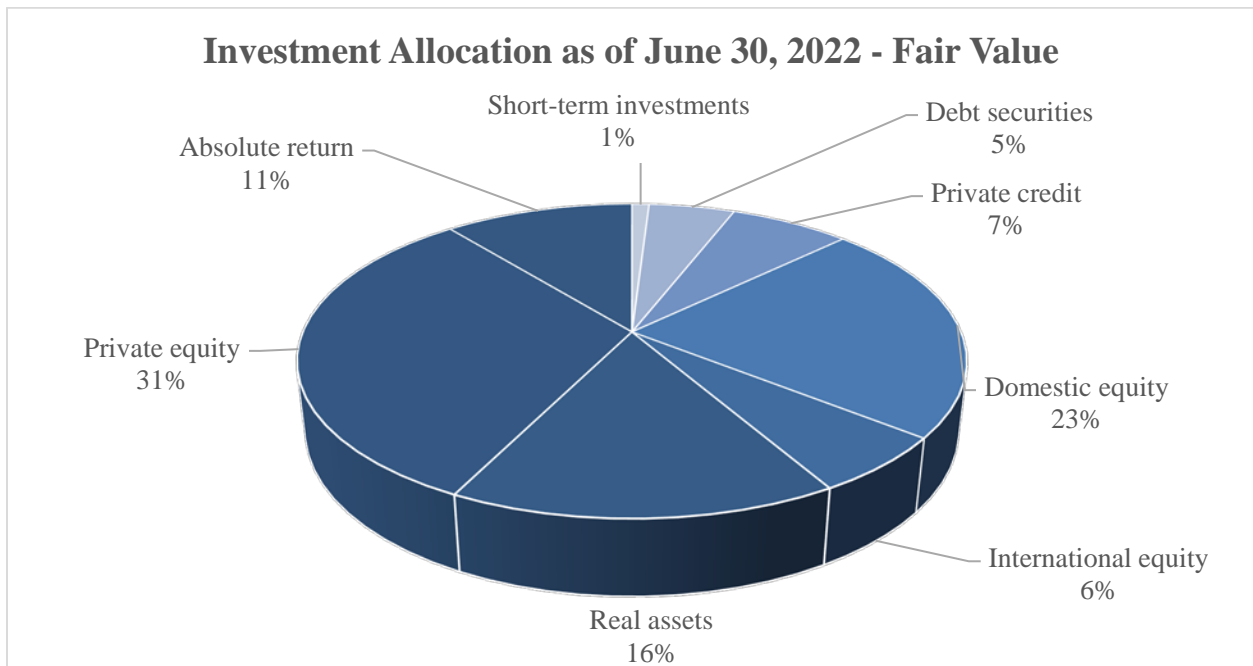


**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**  
 Management's Discussion and Analysis – Unaudited (Continued)  
 Years Ended June 30, 2023 and 2022  
 (Dollar amounts in thousands)

The investment allocation at fair value based on investment category (excluding securities lending collateral and foreign currency contracts) as of June 30, 2023, is represented in the chart below:



The investment allocation at fair value based on investment category (excluding securities lending collateral and foreign currency contracts) as of June 30, 2022, is represented in the chart below:



## **SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Management's Discussion and Analysis – Unaudited (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

### **Economic and Financial Market Factors**

The economy and financial markets demonstrated resilience in a year marked by significant challenges. After a major market decline in the fiscal year ending June 30, 2022, the new fiscal year began with steep inflation and the U.S. Federal Reserve (Fed) enacting quantitative tightening measures. The persistence of inflation coupled with continued strong economic data, resulted in investor uncertainty about the magnitude of future rate hikes and put pressure on both the stock and bond market. However, as the Fed took swift action and raised rates multiple times in the first half of the fiscal year, inflationary pressures began to ease, the pace of rate hikes began to slow and risk appetite increased. Nevertheless, other signs of risk loomed. The yield curve remained inverted throughout the year, often a signal of a potential recession. Rising rates put stress on various banks and contributed to the failure of several US regional banks, including Silicon Valley Bank (SVB) in March. US regulators stepped in to protect SVB depositors. Outside the US, Swiss authorities intervened to prevent the collapse of Credit Suisse. With intervention by regulators and central banks, fears of a systemic crisis were allayed.

Despite all these challenges, by year fiscal end, economic outlooks and company fundamentals remained relatively strong and inflation continued to fall, all of which supported a strong equity market. Over the fiscal year, the U.S. markets returned 19.6%, as measured by the S&P 500 Index. The outperformance was led by growth and large cap equities, with mega-cap technology companies demonstrating resilience in both revenue and profit growth. International equities also provided investors with positive returns over the fiscal year, with developed markets outperforming emerging markets, as measured by MSCI EAFE (+18.8%) and MSCI Emerging Markets (+1.75%). The Eurozone fell into a mild recession around the start of the new year as real GDP fell during the fourth and first quarters. Consumer spending was hampered by high inflation and rising interest rates while government spending fell sharply.

Outside of the equity markets, there were growing concerns around credit risk, with many seeking safety in high quality securities. Over the fiscal year, U.S. fixed income returns were modestly negative as yields continued to rise, as measured by the Bloomberg U.S. Aggregate Bond Index (-0.90%). Longer duration fixed income performed more favorably, with the Bloomberg Long Term Corporate Index returning (1.0%).

In a reversal of the year prior, commodities stood out as a detractor, with the Bloomberg Commodity Index returning (-9.6%) over the fiscal year.

### **Currently Known Facts and Events Affecting Next Year**

The Retirement System's funding objective is to meet long-term benefit obligations through contributions and investment income. The Retirement Board believes that the Retirement System remains in a strong financial position to meet its obligations to Plan participants and beneficiaries.

### **Requests for Information**

This financial report is designed to provide a general overview of the Retirement System's finances for the years ended June 30, 2023, and 2022. Questions regarding any of the information provided in this report or requests for additional financial information should be addressed to:

Chief Executive Officer & Chief Investment Officer  
San Francisco City and County Employees' Retirement System  
1145 Market Street – 5<sup>th</sup> floor  
San Francisco, CA 94103

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Statements of Fiduciary Net Position

June 30, 2023 and 2022

(In thousands)

	<u>2023</u>	<u>2022</u>
Assets:		
Deposits	\$ 17,929	\$ 131,252
Contributions receivable - members	22,935	21,690
Investment income receivable:		
Interest	13,996	9,434
Dividends	2,345	2,680
Securities Lending	254	182
Receivable from brokers, general partners, and others	122,854	34,026
Investments at fair value:		
Short-term investments	376,288	369,099
City investment pool	-	15,352
Debt securities:		
U.S. government and agency securities	812,141	875,900
Other debt securities	1,023,119	846,696
Equity securities:		
Domestic	8,397,002	7,485,899
International	2,051,694	2,093,752
Real assets	5,207,943	5,113,451
Private credit	2,606,909	2,171,037
Private equity	10,101,396	10,338,629
Absolute return	3,056,626	3,511,019
Foreign currency contracts, net	(1,029)	(197)
Invested securities lending collateral	562,491	541,413
Total investments	<u>34,194,580</u>	<u>33,362,050</u>
Total assets	<u>34,374,893</u>	<u>33,561,314</u>
Deferred outflows of resources:		
Other postemployment benefits (OPEB)	2,366	2,092
Total assets and deferred outflows of resources	<u>34,377,259</u>	<u>33,563,406</u>
Liabilities:		
Payable to brokers	53,813	37,250
Custodian line of credit	-	120,000
Other	70,732	63,906
Payable to borrowers of securities	562,408	541,557
Total liabilities	<u>686,953</u>	<u>762,713</u>
Deferred inflows of resources:		
Other postemployment benefits (OPEB)	1,878	2,169
Total liabilities and deferred inflows of resources	<u>688,831</u>	<u>764,882</u>
Fiduciary net position – restricted for pension benefits	<u>\$ 33,688,428</u>	<u>\$ 32,798,524</u>

See accompanying notes to financial statements.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Statements of Changes in Fiduciary Net Position

Years Ended June 30, 2023 and 2022

(In thousands)

	<u>2023</u>	<u>2022</u>
Additions:		
Member contributions		
Miscellaneous	\$ 344,055	\$ 352,731
Police	40,242	41,334
Fire	29,619	29,406
Total member contributions	<u>413,916</u>	<u>423,471</u>
Employer contributions		
Miscellaneous	570,992	649,819
Police	60,248	70,116
Fire	41,411	48,528
Total employer contributions	<u>672,651</u>	<u>768,463</u>
Investment income (expenses)		
Interest	66,501	43,365
Dividends	94,883	106,986
Net appreciation (depreciation) in fair value of investments	1,560,025	(2,380,535)
Securities lending income	29,305	4,819
Investment expenses	(53,819)	(80,806)
Securities lending borrower rebates and expenses	(26,229)	(2,149)
Net investment income (loss)	<u>1,670,666</u>	<u>(2,308,320)</u>
Total additions	<u>2,757,233</u>	<u>(1,116,386)</u>
Deductions:		
Benefits	1,820,269	1,710,092
Refunds of contributions	24,096	27,658
Administrative expenses	23,687	21,364
Administrative expenses and offset - OPEB	(723)	(190)
Total deductions	<u>1,867,329</u>	<u>1,758,924</u>
Net increase (decrease) in fiduciary net position	889,904	(2,875,310)
Fiduciary net position – restricted for pension benefits		
Beginning of year	<u>32,798,524</u>	<u>35,673,834</u>
End of year	<u>\$ 33,688,428</u>	<u>\$ 32,798,524</u>

See accompanying notes to financial statements.

# SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements  
Years Ended June 30, 2023 and 2022  
(Dollar amounts in thousands)

## (1) Plan Description

### (a) General

The San Francisco City and County Employees' Retirement System (the Retirement System) administers a cost-sharing multiple-employer defined benefit pension plan (the Plan) established to provide pension benefits for substantially all employees of the City and County of San Francisco (the City and County), certain classified and certificated employees of the Community College and Unified School Districts, and San Francisco Trial Court employees other than judges. The Retirement System provides service retirement, disability, and death benefits based on specified percentages of defined final average monthly salary and annual cost of living adjustments after retirement. While the Plan is not subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA), it is a tax-qualified plan under Internal Revenue Code provisions. The City and County Charter (the Charter) and the Administrative Code are the authorities that establish and amend the benefit provisions and employer and member contributions to the Plan.

The Retirement System is considered to be a part of the City and County's financial reporting entity and is included in the City and County's basic financial statements as a pension trust fund. The financial statements of the Retirement System are intended to present only the fiduciary net position and changes in fiduciary net position of the Retirement System. They do not purport to, and do not, present fairly the financial position of the City and County as of June 30, 2023, and 2022, the changes in its financial position, or, where applicable, its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America. The City and County's Annual Comprehensive Financial Report can be obtained from City Hall, Room 316, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102.

The Retirement System is administered by the Chief Executive Officer and Chief Investment Officer, an employee of the City and County, in accordance with the provisions of the Charter and Administrative Code, and the policies and regulations of the Retirement Board. The Retirement Board is composed of seven members: three members elected by the active and retired members of the Retirement System; three members appointed by the Mayor in accordance with Section 12.100 of the Charter; and one member of the Board of Supervisors appointed by the President of the Board of Supervisors.

The Retirement System pays benefits according to the category of employment and the type of benefit coverage provided by the City and County. The four main categories of Plan membership are:

- a. **Miscellaneous Non-Safety Members** – staff, operational, supervisory, and all other eligible employees who are not in special membership categories.
- b. **Sheriff's Department and Miscellaneous Safety Members** – sheriffs assuming office on and after January 7, 2012, and undersheriffs, deputized personnel of the sheriff's department, and miscellaneous safety employees hired on or after January 7, 2012.
- c. **Firefighter Members** – firefighters and other employees whose principal duties are in fire prevention and suppression work or who occupy positions designated by law as firefighter member positions.
- d. **Police Members** – police officers and other employees whose principal duties are in active law enforcement or who occupy positions designated by law as police member positions.



## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

### (b) Service Retirement

**Miscellaneous Non-Safety Members who became members prior to July 1, 2010**, qualify for a service retirement benefit if they are at least 50 years old and have at least 20 years of credited service or if they are at least 60 years old and have at least 10 years of credited service. The service retirement benefit is calculated using the member's final compensation (highest one-year average monthly compensation) multiplied by the member's years of credited service times the member's age factor up to a maximum of 75% of the member's final compensation.

**Miscellaneous Non-Safety Members who became members on or after July 1, 2010, and prior to January 7, 2012**, qualify for a service retirement benefit if they are at least 50 years old and have at least 20 years of credited service or if they are at least 60 years old and have at least 10 years of credited service. The service retirement benefit is calculated using the member's final compensation (highest two-year average monthly compensation) multiplied by the member's years of credited service times the member's age factor up to a maximum of 75% of the member's final compensation.

**Miscellaneous Non-Safety Members who became members on or after January 7, 2012**, qualify for a service retirement benefit if they are at least 53 years old and have at least 20 years of credited service or if they are at least 60 years old and have at least 10 years of credited service. The service retirement benefit is calculated using the member's final compensation (highest three-year average monthly compensation) multiplied by the member's years of credited service times the member's age factor up to a maximum of 75% of the member's final compensation.

**Sheriff's Department Members and Miscellaneous Safety Members who were hired on or after January 7, 2012**, qualify for a service retirement benefit if they are at least 50 years old and have at least 5 years of credited service. The service retirement benefit is calculated using the member's final compensation (highest three-year average monthly compensation) multiplied by the member's years of credited service times the member's age factor up to a maximum of 90% of the member's final compensation.

**Firefighter Members and Police Members who became members of the Plan before November 2, 1976**, qualify for a service retirement benefit if they are at least 50 years old and have at least 25 years of credited service. The service retirement benefit is calculated using the member's final compensation (monthly salary earnable at the rank or position the member held for at least one year immediately prior to retiring) multiplied by the member's years of credited service times the member's age factor up to a maximum of 90% of the member's final compensation.

**Firefighter Members and Police Members who became members of the Plan on or after November 2, 1976, and prior to July 1, 2010**, qualify for a service retirement benefit if they are at least 50 years old and have at least 5 years of credited service. The service retirement benefit is calculated using the member's final compensation (highest one-year average monthly compensation) multiplied by the member's years of credited service times the member's age factor up to a maximum of 90% of the member's final compensation.

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)  
Years Ended June 30, 2023 and 2022  
(Dollar amounts in thousands)

**Firefighter Members and Police Members who became members of the Plan on or after July 1, 2010, and prior to January 7, 2012**, qualify for a service retirement benefit if they are at least 50 years old and have at least 5 years of credited service. The service retirement benefit is calculated using the member's final compensation (highest two-year average monthly compensation) multiplied by the member's years of credited service times the member's age factor up to a maximum of 90% of the member's final compensation.

**Firefighter Members and Police Members who became members of the Plan on or after January 7, 2012**, qualify for a service retirement benefit if they are at least 50 years old and have at least 5 years of credited service. The service retirement benefit is calculated using the member's final compensation (highest three-year average monthly compensation) multiplied by the member's years of credited service times the member's age factor up to a maximum of 90% of the member's final compensation.

### (c) Disability Retirement

**Miscellaneous Non-Safety Members** are eligible to apply for a disability retirement benefit, regardless of age, when they have 10 or more years of credited service and they sustain an injury or illness that prevents them from performing their duties. The disability retirement benefit is calculated using the member's average final compensation multiplied by the member's years of credited service times the disability factor (1.8) up to a maximum of 75% of average final compensation.

**Firefighter Members, Police Members, Sheriff Members, and Miscellaneous Safety Members** are eligible to apply for an industrial disability retirement benefit from their first day on the job in firefighter or police service if their disability is caused by an illness or injury that they receive while performing their duties. The industrial disability retirement benefit is based on the member's average final compensation multiplied by the permanent disability rating (from 50% to 90%) or the member's service retirement benefit if the member is eligible for a service retirement.

**Firefighter Members, Police Members, Sheriff Members, and Miscellaneous Safety Members** are eligible to apply for an ordinary disability retirement benefit, regardless of age, when they have 10 or more years of credited service and they sustain an injury or illness that is not caused by their work, but that prevents them from performing their duties. The disability retirement benefit is calculated using 1.5% of the member's average final compensation multiplied by years of credited service subject to a minimum of 33.3% and a maximum of 75% to 90%.

### (d) Separation and Death Benefits

#### Separation from Employment

Upon separation from City employment, **Miscellaneous Non-Safety Members** may either elect to withdraw their accumulated contributions from the Plan or, if they have 5 or more years of credited service, elect to leave their accumulated contributions in the Plan and receive a vesting benefit that is first payable at or after age 50 for members hired prior to January 7, 2012, or at or after age 53 for members hired on or after January 7, 2012. Miscellaneous members hired before November 2, 1976, need 10 years of credited service to elect the vesting option.

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

Upon separation from City employment, **Firefighter Members, Police Members, Sheriff Members, and Miscellaneous Safety Members** may either elect to withdraw their accumulated contributions from the Plan or, if they have 5 or more years of credited service, elect to leave their accumulated contributions in the Plan and receive a deferred benefit that is first payable at or after age 50.

### Death Benefits Prior to Retirement

Generally, upon the death of an active employee who is eligible for a service retirement, the Retirement System provides continuation benefits to a qualified surviving spouse or qualified domestic partner equal to 50% to 100% of the member's retirement allowance that the member would have received had he or she retired on the date of death.

For qualified surviving spouses and qualified domestic partners of **Firefighter Members, Police Members, Sheriff Members, and Miscellaneous Safety Members** who die prior to becoming eligible for service retirement and whose death is due to an injury received in or illness caused by the performance of duty, salary continuation is provided to the qualified survivor until such time as the member would have qualified for service retirement had he or she lived at which time a continuation benefit equal to 100% of the member's service retirement allowance is provided to the qualified survivor.

A lump sum death payment equal to 6 months' earnable salary plus the member's accumulated contributions is provided upon the death of an active employee not yet eligible for a service retirement to the member's named beneficiary or estate.

### Death Benefits after Retirement

Generally, upon the death of a retired member, the Retirement System provides continuation benefits to a qualified surviving spouse or qualified domestic partner equal to 50% to 100% of the member's retirement allowance as of the date of death.

## (e) **Cost of Living Adjustments (COLA)**

### Basic COLA

**Miscellaneous Non-Safety Members** receive a benefit adjustment each July 1 equal to the percentage increase or decrease in the Consumer Price Index (CPI) rounded to the nearest 1%, to a maximum of 2% of the member's previous June 30 retirement benefit. If the CPI decreases in a particular year, however, the negative adjustment cannot reduce a member's monthly retirement benefit below the initial pension amount.

**Firefighter Members and Police Members who became members of the Plan before November 2, 1976**, receive a benefit adjustment each July 1 equal to 50% of the actual dollar or percentage increase or decrease in the salary of the rank or position on which the member's retirement benefit is based. Although decreases are possible in a given year, a negative adjustment cannot reduce a member's monthly benefit below the initial pension amount.

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)  
Years Ended June 30, 2023 and 2022  
(Dollar amounts in thousands)

**Firefighter Members and Police Members who became members of the Plan on or after November 2, 1976, and Sheriff Members and Miscellaneous Safety Members** receive a benefit adjustment each July 1 equal to the percentage increase or decrease in the CPI rounded to the nearest 1%, to a maximum of 2% of the member's previous June 30 retirement benefit. If the CPI decreases in a particular year, however, the negative adjustment cannot reduce a member's monthly retirement benefit below the initial pension amount.

### Supplemental COLA

The Plan provides for a Supplemental COLA if in the previous fiscal year there were earnings in excess of the expected earnings on the actuarial value of the assets, subject to certain criteria. For some members, the Supplemental COLA is only payable if the System is also fully funded on a market value of assets basis.

Effective July 1, 2012, voters approved changes in the criteria for payment of the Supplemental COLA benefit. Certain provisions of the voter approved proposition (Prop C) were challenged in the courts. A decision by the California courts modified the interpretation of the proposition. The full funding requirement does not apply to Retirement System members who retired after November 6, 1996, and were hired before January 7, 2012. The court decision allowed the full funding requirement to apply to Retirement System members who retired before November 6, 1996 and to members hired on and after January 7, 2012; for these two groups, a Supplemental COLA will be paid to retirees when there are sufficient excess investment earnings in the Plan and the Plan is also fully funded on a market value of assets basis.

On November 8, 2022, voters approved a Charter amendment, Proposition A, that adjusts retirement allowances for Retirement System members who retired before November 6, 1996, (including their qualified survivors and beneficiaries) to account for Supplemental COLAs not received in years 2013, 2014, 2017, 2018, and 2019. Proposition A also eliminated the full funding requirement for Supplemental COLA benefit payments to SFERS members who retired before November 6, 1996, subject to a monthly monetary cap in limited circumstances.

All Supplemental COLA retirement benefits paid to members hired before January 7, 2012, will continue into the future even when an additional Supplemental COLA is not payable in any given year. For members hired on and after January 7, 2012, Supplemental COLAs will not be permanent adjustments to retirement benefits. For this group only, all previously paid Supplemental COLAs will expire in years when a Supplemental COLA is not paid to these members.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**(f) Membership**

Membership of the Retirement System consisted of the following as of June 30, 2023:

	<b>Police<sup>1</sup></b>	<b>Fire</b>	<b>Miscellaneous</b>	<b>Total</b>
Retirees and beneficiaries				
currently receiving benefits	2,936	2,317	26,851	32,104
Active members	2,221	1,699	30,097	34,017
Terminated members entitled to but not yet receiving benefits	398	98	12,161	12,657
<b>Total</b>	<b>5,555</b>	<b>4,114</b>	<b>69,109</b>	<b>78,778</b>

<sup>1</sup> Police counts include Sheriff and Miscellaneous Safety.

Membership of the Retirement System consisted of the following as of June 30, 2022:

	<b>Police<sup>1</sup></b>	<b>Fire</b>	<b>Miscellaneous</b>	<b>Total</b>
Retirees and beneficiaries				
currently receiving benefits	2,893	2,272	26,554	31,719
Active members	2,269	1,664	29,266	33,199
Terminated members entitled to but not yet receiving benefits	376	100	11,609	12,085
<b>Total</b>	<b>5,538</b>	<b>4,036</b>	<b>67,429</b>	<b>77,003</b>

<sup>1</sup> Police counts include Sheriff and Miscellaneous Safety.

**(2) Summary of Significant Accounting Policies**

**(a) Basis of Presentation**

The accompanying financial statements are prepared on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America as promulgated by the Governmental Accounting Standards Board (GASB).

Member contributions are recognized in the period in which the contributions are due. Employer contributions and member contributions made by the employer to the Plan are recognized when due pursuant to legal requirements. Benefits and refunds are recognized when currently due and payable in accordance with the terms of the Plan.

**(b) Investments**

Investments are reported at fair value. Securities traded on a national or international exchange are valued at the last reported sales price at current exchange rates. Securities that do not have an established market are reported at estimated fair value derived from third party pricing services. Purchases and sales of investments are recorded on a trade date basis.

## **SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The fair values of the Retirement System's partnership interests, which include private equity, real assets, private credit, and some public equity investments, are based on net asset values (NAV) provided by the general partners and investment managers. Partnership financial statements are audited annually as of December 31 and NAV is adjusted monthly or quarterly for cash flows to/from the Retirement System, investment earnings and changes in fair value. Such fair value estimates involve subjective judgments of unrealized gains and losses, and the actual market price of the investments can only be determined by negotiation between independent third parties in a purchase and sale transaction.

Fair valuation for commingled investments is reported as domestic or international based on the individual investment's classification, although funds may have exposure to both.

The Absolute Return Program invests in limited partnerships and other alternative investment vehicles. The most common investment strategies include, but are not limited to, equity, credit, macro, emerging markets, quantitative, multi-strategy, special situations/other, co-investments and commodities. These investments are valued using their respective NAV, and are audited annually. The most significant input into the NAV of such an entity is the fair value of its investment holdings. These holdings are typically valued on a monthly basis by each fund's independent administrator and for certain illiquid investments, where no market exists, the General Partner may provide pricing input. The management assumptions are based upon the nature of the investment and the underlying business. Investments have the potential to become illiquid under stressed market conditions and, in certain circumstances, investors may be subject to redemption restrictions which can impede the timely return of capital. The valuation techniques vary based upon underlying investment type, but are predominantly derived from observed market prices.

At its January 8, 2020, Board Meeting, the Retirement Board approved reinstating a securities lending program through the Retirement System's custodian bank. The Charter and Retirement Board policies permit the Retirement System to use investments of the Plan to enter into securities lending transactions – loans of securities to broker-dealers and other entities for collateral with a simultaneous agreement to return the collateral for the same securities in the future. The collateral guidelines allow for both cash or non-cash collateral; non-cash collateral includes equity security baskets, investment grade corporate bonds, and sovereign debt issued by Organization for Economic Co-operation and Development (OECD) member countries.

The Retirement System's custodian, BNY Mellon, is the agent in lending the Plan's securities for cash and non-cash collateral. Contracts with the lending agent indemnify the Retirement System if the borrowers fail to return the securities (and if the collateral were inadequate to replace the securities lent) or fail to pay the Retirement System for income distributions by the securities' issuers while the securities are on loan. BNY Mellon also indemnifies Retirement System from loss on all repurchase agreements held in the securities lending cash collateral account. If, with respect to investments of cash collateral in repurchase transactions, the counterparty fails to deliver the repurchase price upon termination, BNY Mellon will sell the purchased securities and deposit the proceeds to Retirement System's collateral account. If the proceeds are less than the repurchase price, BNY Mellon will credit the amount of such difference to Retirement System's collateral account.

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

To manage its counterparty risk, BNY Mellon requires additional collateral ranging between 102% and 110% depending on collateral type. As of June 30, 2023, BNY Mellon collected 102.03% for cash loans and 109.89% for non-cash loans, resulting in 106.41% over collateralization on extended loans. As of June 30, 2022, BNY Mellon collected 103.07% for cash loans and 109.59% for non-cash loans, resulting in 107.08% over collateralization on extended loans.

Non-cash collateral cannot be pledged or sold unless the borrower defaults, and therefore, is not reported in the Retirement System's financial statements.

All securities loans can be terminated on demand by either the Retirement System or the borrower, although the average term of the loans as of June 30, 2023, and 2022 was 87 days and 87 days, respectively. All cash collateral received was invested in a separately managed account by the lending agent using investment guidelines developed and approved by the Retirement System. The separately managed account for re-investing cash collateral insured that SFERS is the sole beneficiary of any liquidity needs. In addition, SFERS adopted conservative cash collateral reinvestment guidelines that are consistent with those that govern money market funds (i.e., Rule 2a-7 of the Investment Company Act of 1940). As of June 30, 2023, and 2022, the weighted average maturity of the reinvested cash collateral account was 7 days and 4 days, respectively. The term to maturity of the loaned securities is generally not matched with the term to maturity of the investment of said collateral.

Cash collateral invested in the separate account managed by the lending agent is reported at fair value. Payable to borrowers of securities in the statements of fiduciary net position represents the cash collateral received from borrowers. Additionally, the income and costs of securities lending transactions, such as borrower rebates and fees, are recorded respectively as revenues and expenses in the statements of changes in fiduciary net position.

### **(c) Administrative Expenses**

All costs to administer the Retirement System are borne by the Retirement System.

### **(d) Use of Estimates**

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets, deferred outflows of resources, liabilities, and deferred inflows of resources, and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of additions and deductions during the reporting period. Actual results could differ from those estimates.

### **(e) Other Postemployment Benefits Other Than Pensions**

The Retirement System adopted GASB Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*. As prescribed under GASB Statement No. 75, net other postemployment benefits (OPEB) liability, deferred outflows/inflows of resources related to OPEB, and OPEB expense are actuarially determined on a citywide basis. Net OPEB liability is measured as the portion of the present value of projected benefit payments to be provided to current active and inactive employees attributed to those employees' past service, less the amount of the Retiree Health Care Trust Fund investments measured at fair value.

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

### (3) Deposits

Deposits are carried at cost, which approximates fair value. Deposits in bank accounts were \$17,929 and \$131,252 as of June 30, 2023, and 2022, respectively.

*Custodial credit risk for deposits* is the risk that, in the event of the failure of a depository financial institution, a government may not be able to recover its deposits or may not be able to recover collateral securities that are in the possession of an outside party. The Retirement System does not have a specific policy addressing custodial credit risk for deposits. As of June 30, 2023, and 2022, \$9,443 and \$38,414, respectively, the Retirement System's deposits in bank accounts were not exposed to custodial credit risk because they were held in the Retirement System's name.

### (4) Investments

The Retirement System's investments are invested pursuant to investment policy guidelines as established by the Retirement Board. The objective of the policy is to maximize the expected return of the fund at an acceptable level of risk. The Retirement Board has established percentage guidelines for types of investments to ensure the portfolio is diversified.

Investment managers retained by the Retirement System follow specific investment guidelines and are evaluated against specific market benchmarks that represent their investment style. The Retirement System invests in securities with contractual cash flows, such as asset-backed securities, commercial mortgage-backed securities, and collateralized mortgage obligations. The value, liquidity, and related income of these securities are sensitive to changes in economic conditions, including real estate values, delinquencies or defaults, or both, and may be affected by shifts in the market's perception of the issuers and changes in interest rates.

The investment policy permits investments in domestic and international debt and equity securities, securities lending, foreign currency contracts, derivative instruments, private equity, real assets, private credit, and absolute return investments, which include investments in a variety of commingled partnership vehicles.

The Retirement Board's asset allocation policies for the years ended June 30, 2023, and 2022, are as follows:

Asset Class	Target Allocation since November 2020
Global Equity	37.0%
Treasuries	8.0%
Liquid Credit	5.0%
Private Credit	10.0%
Private Equity	23.0%
Real Assets	10.0%
Absolute Return	10.0%
Leverage	-3.0%
	100.0%



## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The Retirement System is not directly involved in repurchase or reverse repurchase agreements. However, external investment managers retained by the Retirement System may employ repurchase arrangements if the securities purchased or sold comply with the manager's investment guidelines. The Retirement System monitors the investment activity of its investment managers to ensure compliance with guidelines. In addition, the Retirement System's securities lending cash collateral separately managed account is authorized to use repurchase arrangements. As of June 30, 2023, and 2022, \$166,626 (or 29.6% of reinvested cash collateral) and \$83,444 (or 15.4% of reinvested cash collateral), respectively, consisted of such agreements.

The Retirement System maintains its operating fund cash in the City and County's investment pool. The City and County's pool is invested pursuant to investment policy guidelines established by the City Treasurer, subject to review by the Treasury Oversight Committee. The Treasury Oversight Committee, established under California Government Code Sections 27130 to 27137, is composed of various City and County officials and representatives of agencies with large cash balances in the pool. The investment policy addresses soundness of financial institutions in which the City and County will deposit funds, types of investment instruments as permitted by the California Government Code, and the percentage of the portfolio which may be invested in certain instruments with longer terms to maturity. The provisions of the City and County's investment policy also address interest rate risk, credit risk, and concentration of credit risk and provide for additional restrictions related to investments. The notes to the basic financial statements of the City and County provide more detailed information concerning deposit and investment risks associated with the City and County's pool of cash and investments at June 30, 2022. The Retirement System's operating fund cash balance in the City and County's investment pool is zero at June 30, 2023.

### **(a) Interest Rate Risk**

Interest rate risk is the risk that changes in interest rates may adversely affect the fair value of an investment. The Retirement System does not have a specific policy to manage interest rate risk. The Retirement System employs a diversified asset allocation approach to manage interest rate (and other) risks. Assets with the highest sensitivity to interest rates are most commonly found in the Retirement System's Public Fixed Income portfolio which allocates to U.S. Treasuries and other long duration assets including corporate bonds and non-U.S. sovereign bonds. Other asset classes have varied, but more limited exposure to interest rates. With respect to interest rate (and other) risks, investment managers are required to follow investment guidelines. Investment managers in the Public Fixed Income portfolio manage portfolios to mandates that target either an interest rate exposure within a specific range or an interest rate exposure relative to a benchmark within a more limited, specific range.

Below are tables depicting the segmented time distribution for fixed income investments based upon the expected maturity (in years) as of June 30, 2023, and 2022.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**Investments at Fair Value as of June 30, 2023**

<b>Investment Type</b>	<b>Fair Value</b>	<b>Maturities</b>			
		<b>Less than 1 year</b>	<b>1-5 years</b>	<b>6-10 years</b>	<b>10+ years</b>
Asset-Backed Securities	\$ 12,625	\$ -	\$ 820	\$ 1,114	\$ 10,691
Bank Loans	131,153	1,533	82,751	46,869	-
Collateralized Bonds	11,502	-	-	3,526	7,976
Commercial Mortgage-Backed	73,494	1,027	2,120	2,227	68,120
Commingled and Other					
Fixed Income Funds	179,481	(6,375)	-	50,198	135,658
Corporate Bonds	345,818	4,867	140,757	129,106	71,088
Corporate Convertible Bonds	104,829	1,046	89,616	13,362	805
Government Bonds	885,862	3,663	503,161	327,642	51,396
Government Mortgage-					
Backed Securities	3,456	-	-	-	3,456
Municipal/Provincial Bonds	946	-	607	339	-
Non-Government Backed					
Collateralized Mortgage Obligations	74,732	-	-	-	74,732
Options	10	-	10	-	-
Short-Term Investment Funds	376,288	376,288	-	-	-
Swaps*	10,962	12,795	(1,754)	(175)	96
<b>Total</b>	<b>\$ 2,211,158</b>	<b>\$ 394,844</b>	<b>\$ 818,088</b>	<b>\$ 574,208</b>	<b>\$ 424,018</b>

\* \$391 Credit default swaps are excluded because they are not subject to interest rate risk.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**Investments at Fair Value as of June 30, 2022**

<b>Investment Type</b>	<b>Fair Value</b>	<b>Maturities</b>			
		<b>Less than 1 year</b>	<b>1-5 years</b>	<b>6-10 years</b>	<b>10+ years</b>
Asset-Backed Securities	\$ 8,516	\$ -	\$ 697	\$ 897	\$ 6,922
Bank Loans	111,655	1,835	54,566	55,254	-
City Investment Pool	15,352	7,532	7,820	-	-
Collateralized Bonds	6,576	-	-	1,594	4,982
Commercial Mortgage-Backed	82,457	387	1,762	1,962	78,346
Commingled and Other					
Fixed Income Funds	186,996	(7,406)	-	53,204	141,198
Corporate Bonds	244,913	2,295	80,655	123,347	38,616
Corporate Convertible Bonds	119,864	5,187	97,177	11,966	5,534
Government Bonds	920,331	2,045	589,061	298,137	31,088
Government Mortgage-Backed Securities	2	-	-	-	2
Municipal/Provincial Bonds	963	-	607	356	-
Non-Government Backed					
Collateralized Mortgage Obligations	32,811	-	-	-	32,811
Options	(2)	(12)	10	-	-
Short-Term Investment Funds	374,407	374,407	-	-	-
Swaps*	2,310	2,999	(198)	(370)	(121)
<b>Total</b>	<b>\$ 2,107,151</b>	<b>\$ 389,269</b>	<b>\$ 832,157</b>	<b>\$ 546,347</b>	<b>\$ 339,378</b>

\* (\$104) Credit default swaps are excluded because they are not subject to interest rate risk.

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

### (b) Credit Risk – Investments

Credit risk is the risk that an issuer or other counterparty to an investment may not fulfill its obligations. Fixed income investment managers retained by the Retirement System follow specific investment guidelines and are evaluated against specific market benchmarks that represent their investment style. Fixed income managers typically are limited within their portfolios to no more than 5% exposure in any single security, with the exception of United States Treasury and government agency securities. The Retirement System's credit risk policy is embedded in the individual investment manager guidelines.

Investments are classified and rated using the lower of (1) S&P Global Ratings (S&P) rating or (2) Moody's Investors Service (Moody's) rating corresponding to the equivalent S&P rating. If only a Moody's rating is available, the rating equivalent to S&P is used for the purpose of this disclosure.

In 2011, S&P lowered the credit rating for U.S. long-term debt to AA+ from AAA and continues to maintain that posture. Through the end of the fiscal year, both Fitch and Moody's, the two other large credit agencies, maintained a AAA rating for U.S. long-term debt; however, in August 2023, Fitch downgraded the U.S. long-term debt to AA+. The rating downgrade reflects Fitch's view of expected fiscal deterioration over the next three years, a high and growing general government debt burden, and the erosion of relative governance to peers over the last two decades.

While several structural strengths underpin the U.S. ratings and the U.S. dollar remains the world's top reserve currency, additional ratings changes by the credit rating agencies would likely have a material impact on the credit risk and value of the Retirement System's investments in U.S. government agency securities, U.S. government bonds, and U.S. government mortgage-backed securities.

The following table illustrates the Retirement System's exposure to credit risk as of June 30, 2023. Investments issued or explicitly guaranteed by the U.S. government of \$807,737 as of June 30, 2023, are exempt from the credit rating disclosures and are excluded from the table below.

#### Credit Ratings of Fixed Income Investments as of June 30, 2023

Credit Rating	Fair Value	Fair Value as a Percentage of Total
AAA	\$ 14,240	1.0%
AA	9,573	0.7%
A	49,135	3.5%
BBB	128,182	9.1%
BB	145,855	10.4%
B	214,804	15.3%
CCC	28,942	2.1%
CC	3,504	0.2%
D	6,461	0.5%
Not Rated	803,115	57.2%
Total	<u>\$ 1,403,811</u>	<u>100.0%</u>

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The following table illustrates the Retirement System's exposure to credit risk as of June 30, 2022. Investments issued or explicitly guaranteed by the U.S. government of \$874,934 as of June 30, 2022, are exempt from the credit rating disclosures and are excluded from the table below.

### Credit Ratings of Fixed Income Investments as of June 30, 2022

Credit Rating	Fair Value	Fair Value as a Percentage of Total
AAA	\$ 352,514	28.6%
AA	5,392	0.4%
A	20,668	1.7%
BBB	78,622	6.4%
BB	104,296	8.5%
B	194,604	15.8%
CCC	30,458	2.5%
CC	5,089	0.4%
D	7,053	0.6%
Not Rated	433,417	35.1%
Total	<u>\$ 1,232,113</u>	<u>100.0%</u>

The securities listed as "Not Rated" include short-term investment funds, government mortgage-backed securities, and investments that invest primarily in rated securities, such as commingled funds and money market funds, but do not themselves have a specific credit rating. Excluding these investments, the "not rated" component of credit would be approximately 11.0% for 2023 and 10.1% for 2022.

#### (c) Concentration of Credit Risk

Concentration of credit risk is the risk of loss attributed to the magnitude of the Retirement System's investment in a single issuer. Securities issued or guaranteed by the U.S. government or its agencies are exempt from this limit.

As of June 30, 2023, and 2022, the Retirement System had no investments of a single issuer that equaled or exceeded 5% of total Retirement System's investments or net position.

#### (d) Custodial Credit Risk

Custodial credit risk for investments is the risk that, in the event of the failure of the counterparty to a transaction, a government may not be able to recover the value of investment or collateral securities that are in the possession of an outside party. The Retirement System does not have a specific policy addressing custodial credit risk for investments, but investments are generally insured, registered, or held by the Retirement System or its agent in the Retirement System's name. As of June 30, 2023, and 2022, \$146,106 and \$210,091, respectively, of the Retirement System's investments were exposed to custodial credit risk because they were not insured or registered in the name of the Retirement System, and were held by the counterparty's trust department or agent but not in the Retirement System's name.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**(e) Foreign Currency Risk**

The Retirement System's exposure to foreign currency risk derives from its positions in foreign currency denominated cash, equity, fixed income, private equity, real assets, and private credit. The Retirement System's investment policy allows public equity and debt separate account managers with international mandates to enter into foreign exchange contracts, which are limited to hedging currency exposure existing in the portfolio.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The Retirement System's net exposures to foreign currency risk as of June 30, 2023, are as follows:

**Foreign Currency Risk Analysis as of June 30, 2023**

<b>Currency</b>	<b>Cash</b>	<b>Equities</b>	<b>Fixed Income</b>	<b>Private Equities</b>	<b>Real Assets</b>	<b>Private Credit</b>	<b>Foreign Currency Contracts</b>	<b>Total</b>
Argentina peso	\$ -	\$ -	\$ 28	\$ -	\$ -	\$ -	\$ -	\$ 28
Australian dollar	-	11,281	96	29,683	2,247	-	3,750	47,057
Brazil real	-	16,852	4,357	-	-	-	4,495	25,704
Canadian dollar	-	20,105	193	-	-	-	6,964	27,262
Chilean peso	-	1,699	2,282	-	-	-	67	4,048
Chinese r yuan HK	-	-	-	-	-	-	(5,494)	(5,494)
Chinese yuan renminbi	42,763	220,576	5,419	-	-	-	(13,784)	254,974
Colombian peso	-	-	5,877	-	-	-	(2,302)	3,575
Czech koruna	-	-	(220)	-	-	-	2,317	2,097
Danish krone	-	55,215	-	-	-	-	(64)	55,151
Dominican rep peso	-	-	1,355	-	-	-	(1,061)	294
Euro	-	516,428	44,790	100,233	436,236	122,022	(43,537)	1,176,172
Hong Kong dollar	-	62,255	-	-	-	-	(204)	62,051
Hungarian forint	-	1,865	1,940	-	-	-	1,107	4,912
Indian Rupee	-	28,079	-	-	-	-	367	28,446
Indonesian rupiah	-	5,707	5,564	-	-	-	553	11,824
Israeli shekel	-	1,027	-	-	-	-	-	1,027
Japanese yen	-	62,830	1,874	-	48,532	-	15,209	128,445
Malaysian ringgit	-	2,617	3,682	-	-	-	157	6,456
Mexican peso	-	2,017	7,627	-	-	-	798	10,442
New Taiwan dollar	-	31,319	-	-	-	-	-	31,319
Norwegian krone	-	1,713	-	-	-	-	-	1,713
Peruvian sol	-	-	1,094	-	-	-	(441)	653
Philippines peso	-	-	-	-	-	-	28	28
Polish zloty	-	-	1,360	-	-	-	3,108	4,468
Pound sterling	-	148,565	5,761	94,364	61,580	-	(9,958)	300,312
Romanian leu	-	-	562	-	-	-	763	1,325
Singapore dollar	-	4,864	-	-	-	-	(415)	4,449
South African rand	-	6,027	7,587	-	-	-	(2,542)	11,072
South Korean won	-	19,237	-	-	-	-	-	19,237
Swedish krona	-	39,222	-	-	-	-	-	39,222
Swiss franc	-	81,422	-	-	-	-	-	81,422
Thailand baht	-	5,574	2,226	-	-	-	1,457	9,257
Turkish lira	-	960	-	-	-	-	-	960
Uae dirham	-	9,380	-	-	-	-	-	9,380
<b>Total</b>	<b>\$ 42,763</b>	<b>\$ 1,356,836</b>	<b>\$ 103,454</b>	<b>\$ 224,280</b>	<b>\$ 548,595</b>	<b>\$ 122,022</b>	<b>\$ (38,662)</b>	<b>\$ 2,359,288</b>

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The Retirement System's net exposures to foreign currency risk as of June 30, 2022, are as follows:

**Foreign Currency Risk Analysis as of June 30, 2022**

<b>Currency</b>	<b>Cash</b>	<b>Equities</b>	<b>Fixed Income</b>	<b>Private Equities</b>	<b>Real Assets</b>	<b>Private Credit</b>	<b>Foreign Currency Contracts</b>	<b>Total</b>
Argentina peso	\$ -	\$ -	\$ (134)	\$ -	\$ -	\$ -	\$ -	\$ (134)
Australian dollar	-	12,130	97	25,264	-	-	3,869	41,360
Brazil real	-	16,100	768	-	-	-	3,279	20,147
Canadian dollar	-	25,678	170	-	-	-	8,124	33,972
Chilean peso	-	998	1,019	-	-	-	123	2,140
Chinese r yuan HK	-	-	-	-	-	-	(5,674)	(5,674)
Chinese yuan renminbi	3,253	339,021	5,997	-	-	-	(23,261)	325,010
Colombian peso	-	-	4,254	-	-	-	(2,949)	1,305
Czech koruna	-	-	(343)	-	-	-	1,686	1,343
Danish krone	-	45,936	-	-	-	-	-	45,936
Euro	-	411,136	33,248	106,757	419,877	86,851	(32,625)	1,025,244
Hong Kong dollar	-	84,706	-	-	-	-	-	84,706
Hungarian forint	-	1,838	352	-	-	-	625	2,815
Indian rupee	-	20,025	-	-	-	-	-	20,025
Indonesian rupiah	-	4,481	3,931	-	-	-	298	8,710
Israeli shekel	-	-	-	-	-	-	(17)	(17)
Japanese yen	-	67,479	-	-	43,652	-	17,290	128,421
Kazakhstan tenge	-	-	198	-	-	-	-	198
Malaysian ringgit	-	1,990	3,786	-	-	-	14	5,790
Mexican peso	-	1,729	3,096	-	-	-	1,968	6,793
New Taiwan dollar	-	29,109	-	-	-	-	-	29,109
Norwegian krone	-	3,149	-	-	-	-	(44)	3,105
Peruvian sol	-	-	2,618	-	-	-	(1,857)	761
Philippines peso	-	1,151	177	-	-	-	(139)	1,189
Polish zloty	-	3,844	(268)	-	-	-	2,662	6,238
Pound sterling	-	125,915	6,699	73,274	61,717	-	(14,275)	253,330
Romanian leu	-	-	621	-	-	-	460	1,081
New Russian ruble	-	1,525	-	-	-	-	-	1,525
Serbian dinar	-	-	113	-	-	-	-	113
Singapore dollar	-	1,843	-	-	-	-	-	1,843
South African rand	-	5,319	8,361	-	-	-	(4,318)	9,362
South Korean won	-	15,587	-	-	-	-	-	15,587
Swedish krona	-	22,147	-	-	-	-	(43)	22,104
Swiss franc	-	71,783	-	-	-	-	(78)	71,705
Thailand baht	-	6,386	2,100	-	-	-	1,745	10,231
Turkish lira	-	-	-	-	-	-	235	235
<b>Total</b>	<b>\$ 3,253</b>	<b>\$ 1,321,005</b>	<b>\$ 76,860</b>	<b>\$ 205,295</b>	<b>\$ 525,246</b>	<b>\$ 86,851</b>	<b>\$ (42,902)</b>	<b>\$ 2,175,608</b>



## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

### (f) Unfunded Investments Commitments

The Retirement System has unfunded commitments to contribute capital for real assets in the amount of \$1,871,190, private equity in the amount of \$3,517,233, private credit in the amount of \$2,408,911 and absolute return in the amount of \$62,674 totaling \$7,860,008 as of June 30, 2023.

### (g) Derivative Instruments

The Retirement System reports its derivative instruments under the provisions of GASB Statement No. 53, *Accounting and Financial Reporting for Derivative Instruments*. Pursuant to the requirements of this statement, the Retirement System has provided a summary of derivative instrument activities during the reporting periods presented and the related risks.

As of June 30, 2023, and 2022, the derivative instruments held by the Retirement System are considered investments and not hedges for accounting purposes. The gains and losses arising from this activity are recognized as incurred in the statement of changes in fiduciary net position. All investment derivatives discussed below are included within the investment risk schedules, which precede this subsection. Investment derivative instruments are disclosed separately to provide a comprehensive and distinct view of this activity and its impact on the overall investment portfolio.

Valuation methods used by the Retirement System are described in more detail in Note 2(b). The fair value of the exchange traded derivative instruments, such as futures, options, rights, and warrants are based on quoted market prices. The fair values of forward foreign currency contracts are determined using a pricing service, which uses published foreign exchange rates as the primary source. The fair values of swaps are determined by the Retirement System's investment managers based on quoted market prices of the underlying investment instruments or by an external pricing service using various proprietary methods.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The tables below present the notional amounts, the fair values, and the related net appreciation (depreciation) in the fair value of derivative instruments that were outstanding at June 30, 2023, and 2022.

**As of and for the Year Ended June 30, 2023**

<b>Derivative Type / Contracts</b>	<b>Notional Amount</b>	<b>Fair Value</b>	<b>Net Appreciation (Depreciation) in Fair Value</b>
Forwards			
Foreign Exchange Contracts	\$ 196,874	\$ (1,029)	\$ (832)
Futures			
Bond Futures Long	9,493	(93)	(12)
Equity Index Futures Long	898	28	28
Treasury Futures Long	25,373	(129)	4,766
Treasury Futures Short	(8,038)	102	69
Options			
Credit Contracts	-	-	1
Foreign Exchange Contracts	200	10	(1)
Swaps			
Credit Contracts	23,853	391	116
Currency Contracts	440	416	106
Interest Rate Contracts	152,092	(2,458)	(260)
Total Return Contracts	227,227	13,004	9,803
Rights/Warrants			
Equity Contracts	61,328 shares	80,566	11,495
Total		\$ 90,808	\$ 25,279

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**As of and for the Year Ended June 30, 2022**

<b>Derivative Type / Contracts</b>	<b>Notional Amount</b>	<b>Fair Value</b>	<b>Net Appreciation (Depreciation) in Fair Value</b>
Forwards			
Foreign Exchange Contracts	\$ 204,130	\$ (197)	\$ (266)
Futures			
Bond Futures Long	7,398	(82)	(166)
Equity Index Futures Long	947	(1)	(1,073)
Treasury Futures Long	520,671	(4,894)	(6,368)
Treasury Futures Short	(5,215)	33	80
Options			
Credit Contracts	-	(12)	(13)
Foreign Exchange Contracts	200	10	(2)
Swaps			
Credit Contracts	5,554	(104)	(317)
Currency Contracts	440	309	62
Interest Rate Contracts	87,275	(1,200)	(951)
Total Return Contracts	185,719	3,201	3,201
Rights/Warrants			
Equity Contracts	62,912 shares	147,592	(6,429)
<b>Total</b>		<b>\$ 144,655</b>	<b>\$ (12,242)</b>

All investment derivatives are reported as investments at fair value in the statements of fiduciary net position. Rights, warrants, and equity index futures are reported in equity securities. Foreign exchange contracts are reported in foreign currency contracts, which also include spot contracts that are not derivatives. All other derivative contracts are reported in other debt securities. All changes in fair value are reported as net appreciation (depreciation) in fair value of investments in the statements of changes in fiduciary net position.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

***Counterparty Credit Risk***

The Retirement System is exposed to credit risk on non-exchange traded derivative instruments that are in asset positions. The tables below present those investments being classified and rated using the lower of (1) S&P Global Ratings (S&P) rating or (2) Moody's Investors Service (Moody's) rating corresponding to the equivalent S&P rating. If only a Moody's rating is available, the rating equivalent to S&P is used for the purpose of this disclosure.

**Derivative Instruments Subject to Counterparty Credit Risk as of June 30, 2023**

<u>Credit Rating</u>	<u>Fair Value</u>
AA	\$ 202
A	16,278
BBB	1,563
Not Rated	31
Total	<u>\$ 18,074</u>

**Derivative Instruments Subject to Counterparty Credit Risk as of June 30, 2022**

<u>Credit Rating</u>	<u>Fair Value</u>
AA	\$ 302
A	4,325
BBB	5,907
Total	<u>\$ 10,534</u>

***Custodial Credit Risk***

The custodial credit risk disclosure for exchange traded derivative instruments is made in accordance with the custodial credit risk disclosure requirements of GASB Statement No. 40. At June 30, 2023, and 2022, all of the Retirement System's investments in derivative instruments are held in the Retirement System's name and are not exposed to custodial credit risk.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

***Interest Rate Risk***

The tables below describe the maturity periods of the derivative instruments exposed to interest rate risk at June 30, 2023, and 2022.

**Derivative Interest Rate Risk as of June 30, 2023**

<b>Derivative Type / Contracts</b>	<b>Fair Value</b>	<b>Maturities</b>			
		<b>Less than 1 year</b>	<b>1-5 years</b>	<b>6-10 years</b>	<b>10+ years</b>
Futures					
Treasury Futures Long	\$ (129)	\$ (129)	\$ -	\$ -	\$ -
Treasury Futures Short	102	102	-	-	-
Options					
Foreign Exchange Contracts	10	-	10	-	-
Swaps					
Currency Contracts	416	307	109	-	-
Interest Rate Contracts	(2,458)	(516)	(1,863)	(175)	96
Total Return Contracts	13,004	13,004	-	-	-
<b>Total</b>	<b>\$ 10,945</b>	<b>\$ 12,768</b>	<b>\$ (1,744)</b>	<b>\$ (175)</b>	<b>\$ 96</b>

**Derivative Interest Rate Risk as of June 30, 2022**

<b>Derivative Type / Contracts</b>	<b>Fair Value</b>	<b>Maturities</b>			
		<b>Less than 1 year</b>	<b>1-5 years</b>	<b>6-10 years</b>	<b>10+ years</b>
Futures					
Treasury Futures Long	\$ (4,894)	\$ (4,894)	\$ -	\$ -	\$ -
Treasury Futures Short	33	33	-	-	-
Options					
Foreign Exchange Contracts	10	-	10	-	-
Swaps					
Currency Contracts	309	-	309	-	-
Interest Rate Contracts	(1,200)	(202)	(507)	(370)	(121)
Total Return Contracts	3,201	3,201	-	-	-
<b>Total</b>	<b>\$ (2,541)</b>	<b>\$ (1,862)</b>	<b>\$ (188)</b>	<b>\$ (370)</b>	<b>\$ (121)</b>

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The following table details the reference rate, notional amount, and fair value of interest rate swaps that are highly sensitive to changes in interest rates as of June 30, 2023, and 2022:

**Derivative Instruments Highly Sensitive to Interest Rate Changes as of June 30, 2023**

<b>Investment Type</b>	<b>Reference Rate</b>	<b>Notional Value</b>	<b>Fair Value</b>
Interest Rate Swap	Receive Fixed 0.00%, Pay Variable 1-Day SOFR	\$ 22,800	\$ (178)
Interest Rate Swap	Receive Fixed 0.25%, Pay Variable 1-Day SOFR	46,800	(2,386)
Interest Rate Swap	Receive Fixed 0.48%, Pay Variable 6-Month PRIBOR	684	(65)
Interest Rate Swap	Receive Fixed 0.57%, Pay Variable 6-Month WIBOR	1,255	(124)
Interest Rate Swap	Receive Fixed 1.48%, Pay Variable 6-Month PRIBOR	1,221	(194)
Interest Rate Swap	Receive Fixed 2.00%, Pay Variable 1-Day BUBOR	1,002	(59)
Interest Rate Swap	Receive Fixed 2.56%, Pay Variable 1-Day BUBOR	2,041	(331)
Interest Rate Swap	Receive Fixed 3.34%, Pay Variable 3-Month KLIBOR	214	(5)
Interest Rate Swap	Receive Fixed 3.36%, Pay Variable 1-Day SOFR	11,230	(290)
Interest Rate Swap	Receive Fixed 4.68%, Pay Variable 6-Month PRIBOR	620	24
Interest Rate Swap	Receive Fixed 4.72%, Pay Variable 6-Month PRIBOR	726	6
Interest Rate Swap	Receive Fixed 4.74%, Pay Variable 6-Month PRIBOR	872	9
Interest Rate Swap	Receive Fixed 4.81%, Pay Variable 28-Day MXIBR	1,533	(102)
Interest Rate Swap	Receive Fixed 4.87%, Pay Variable 1-Day BIDOR	3,524	(454)
Interest Rate Swap	Receive Fixed 5.26%, Pay Variable 3-Month JIBAR	609	(36)
Interest Rate Swap	Receive Fixed 5.60%, Pay Variable 1-Day COOVIBR	81	(11)
Interest Rate Swap	Receive Fixed 7.13%, Pay Variable 28-Day MXIBR	204	(19)
Interest Rate Swap	Receive Fixed 9.06%, Pay Variable 28-Day MXIBR	991	16
Interest Rate Swap	Receive Fixed 11.91%, Pay Variable 1-Day BIDOR	1,244	50
Interest Rate Swap	Receive Fixed 11.98%, Pay Variable 1-Day BIDOR	4,436	16
Interest Rate Swap	Receive Variable 1-Day COOVIBR, Pay Fixed 1.20%	778	81
Interest Rate Swap	Receive Variable 1-Day SOFR, Pay Fixed 0.36%	22,800	1,305
Interest Rate Swap	Receive Variable 1-Day SOFR, Pay Fixed 2.94%	2,630	126
Interest Rate Swap	Receive Variable 3-Month BBA, Pay Fixed 0.00%	22,800	175
Interest Rate Swap	Receive Variable 3-Month CLICP, Pay Fixed 5.67%	997	(12)
Total Interest Rate Swaps		<u>\$ 152,092</u>	<u>\$ (2,458)</u>

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**Derivative Instruments Highly Sensitive to Interest Rate Changes as of June 30, 2022**

<u>Investment Type</u>	<u>Reference Rate</u>	<u>Notional Value</u>	<u>Fair Value</u>
Interest Rate Swap	Receive Fixed 0.25%, Pay Variable 3-Month BBA	\$ 46,800	\$ (1,273)
Interest Rate Swap	Receive Fixed 0.48%, Pay Variable 6-Month PRIBOR	630	(91)
Interest Rate Swap	Receive Fixed 0.57%, Pay Variable 6-Month WIBOR	1,491	(269)
Interest Rate Swap	Receive Fixed 1.48%, Pay Variable 6-Month PRIBOR	1,124	(252)
Interest Rate Swap	Receive Fixed 2.00%, Pay Variable 6-Month BUBOR	903	(93)
Interest Rate Swap	Receive Fixed 2.39%, Pay Variable 6-Month THB	542	(17)
Interest Rate Swap	Receive Fixed 2.42%, Pay Variable 6-Month THB	542	(16)
Interest Rate Swap	Receive Fixed 2.56%, Pay Variable 6-Month BUBOR	622	(128)
Interest Rate Swap	Receive Fixed 2.81%, Pay Variable 6-Month THB	521	5
Interest Rate Swap	Receive Fixed 3.34%, Pay Variable 3-Month KLIBOR	227	(9)
Interest Rate Swap	Receive Fixed 4.10%, Pay Variable 1-Day BIDOR	803	(57)
Interest Rate Swap	Receive Fixed 4.87%, Pay Variable 1-Day BIDOR	1,702	(196)
Interest Rate Swap	Receive Fixed 5.25%, Pay Variable 1-Day BIDOR	3,977	(144)
Interest Rate Swap	Receive Fixed 5.26%, Pay Variable 3-Month JIBAR	702	(48)
Interest Rate Swap	Receive Fixed 5.60%, Pay Variable 1-Day COOVIBR	81	(20)
Interest Rate Swap	Receive Fixed 6.71%, Pay Variable 28-Day MXIBR	649	(77)
Interest Rate Swap	Receive Fixed 7.13%, Pay Variable 28-Day MXIBR	605	(101)
Interest Rate Swap	Receive Variable 1-Day COOVIBR, Pay Fixed 1.20%	1,521	147
Interest Rate Swap	Receive Variable 1-Day COOVIBR, Pay Fixed 4.20%	1,033	155
Interest Rate Swap	Receive Variable 3-Month BBA, Pay Fixed 0.36%	22,800	1,284
Total Interest Rate Swaps		<u>\$ 87,275</u>	<u>\$ (1,200)</u>

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

***Foreign Currency Risk***

At June 30, 2023, the Retirement System is exposed to foreign currency risk on its derivative investments denominated in foreign currencies.

**Derivative Instruments Foreign Currency Risk Analysis as of June 30, 2023**

<u>Currency</u>	<u>Forwards</u>	<u>Rights/ Warrants</u>	<u>Swaps</u>	<u>Futures</u>	<u>Total</u>
Argentina peso	\$ -	\$ -	\$ (27)	\$ -	\$ (27)
Australian Dollar	3,750	-	-	-	3,750
Brazil real	4,495	-	(388)	-	4,107
Canadian dollar	6,964	-	-	(11)	6,953
Chilean peso	67	-	(12)	-	55
Chinese R Yuan HK	(5,494)	-	-	-	(5,494)
Chinese yuan renminbi	(13,784)	-	-	-	(13,784)
Colombian peso	(2,302)	-	70	-	(2,232)
Czech koruna	2,317	-	(220)	-	2,097
Danish krone	(64)	-	-	-	(64)
Dominican Rep peso	(1,061)	-	-	-	(1,061)
Euro	(43,537)	82	35	(76)	(43,496)
Hong Kong dollar	(204)	-	-	-	(204)
Hungarian forint	1,107	-	(390)	-	717
Indian rupee	367	-	-	-	367
Indonesian rupiah	553	-	-	-	553
Japanese yen	15,209	-	-	-	15,209
Malaysian ringgit	157	-	(5)	-	152
Mexican peso	798	-	(105)	-	693
Peruvian sol	(441)	-	-	-	(441)
Philippines peso	28	-	-	-	28
Polish zloty	3,108	-	(124)	-	2,984
Pound sterling	(9,958)	-	-	(7)	(9,965)
Romanian leu	763	-	-	-	763
Singapore dollar	(415)	-	-	-	(415)
South African rand	(2,542)	-	(36)	-	(2,578)
Swiss franc	-	11	-	-	11
Thailand baht	1,457	-	-	-	1,457
<b>Total</b>	<b>\$ (38,662)</b>	<b>\$ 93</b>	<b>\$ (1,202)</b>	<b>\$ (94)</b>	<b>\$ (39,865)</b>



## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

At June 30, 2022, the Retirement System is exposed to foreign currency risk on its derivative investments denominated in foreign currencies.

### Derivative Instruments Foreign Currency Risk Analysis as of June 30, 2022

<u>Currency</u>	<u>Forwards</u>	<u>Options</u>	<u>Rights/ Warrants</u>	<u>Swaps</u>	<u>Futures</u>	<u>Total</u>
Argentina peso	\$ -	\$ -	\$ -	\$ (134)	\$ -	\$ (134)
Australian dollar	3,869	-	-	-	-	3,869
Brazil real	3,279	-	-	(398)	-	2,881
Canadian dollar	8,124	-	-	-	(27)	8,097
Chilean peso	123	-	-	-	-	123
Chinese r yu an HK	(5,674)	-	-	-	-	(5,674)
Chinese yuan renminbi	(23,261)	-	-	-	-	(23,261)
Colombian peso	(2,949)	-	-	282	-	(2,667)
Czech koruna	1,686	-	-	(343)	-	1,343
Euro	(32,625)	(10)	87	(35)	(54)	(32,637)
Hungarian forint	625	-	-	(221)	-	404
Indonesian rupiah	298	-	-	-	-	298
Israeli shekel	(17)	-	-	-	-	(17)
Japanese yen	17,290	-	-	-	-	17,290
Malaysian ringgit	14	-	-	(9)	-	5
Mexican peso	1,968	-	-	(178)	-	1,790
Norwegian krone	(44)	-	-	-	-	(44)
Peruvian sol	(1,857)	-	-	-	-	(1,857)
Philippines peso	(139)	-	-	-	-	(139)
Polish zloty	2,662	-	-	(268)	-	2,394
Pound sterling	(14,275)	-	-	-	-	(14,275)
Romanian leu	460	-	-	-	-	460
South African rand	(4,318)	-	-	(48)	-	(4,366)
Swedish krona	(43)	-	-	-	-	(43)
Swiss franc	(78)	-	4	-	-	(74)
Thailand baht	1,745	-	-	(27)	-	1,718
Turkish lira	235	-	-	-	-	235
<b>Total</b>	<b>\$ (42,902)</b>	<b>\$ (10)</b>	<b>\$ 91</b>	<b>\$ (1,379)</b>	<b>\$ (81)</b>	<b>\$ (44,281)</b>

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

***Contingent Features***

At June 30, 2023, and 2022, the Retirement System held no positions in derivative instruments containing contingent features.

**(5) Fair Value Measurement of Investments**

The Retirement System categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles.

The Retirement System has the following recurring fair value measurements as of June 30, 2023:

<b>As of June 30, 2023</b>	<b>Total</b>	<b>Quoted Prices in Active Markets for Identical Assets (Level 1)</b>	<b>Significant Other Observable Inputs (Level 2)</b>	<b>Unobservable Inputs (Level 3)</b>
<b>Investments by fair value level</b>				
Short-term investments	\$ 345,487	\$ 318,714	\$ -	\$ 26,773
Debt securities:				
U.S. government and agency securities	812,141	807,738	4,403	-
Other debt securities	928,542	90,798	704,431	133,313
Equity securities:				
Domestic	3,344,356	3,338,640	5,716	-
International	1,579,322	1,579,322	-	-
Foreign currency contracts, net	(1,029)	-	-	(1,029)
Invested securities lending collateral	562,491	-	562,500	(9)
Total investments by fair value level	7,571,310	\$ 6,135,212	\$ 1,277,050	\$ 159,048
<b>Investments measured at the net asset value (NAV)</b>				
Short-term investments	30,801			
Fixed income funds invested in:				
Other debt securities	94,577			
Equity funds invested in:				
Domestic	5,052,646			
International	472,372			
Real assets	5,207,943			
Private credit	2,606,909			
Private equity	10,101,396			
Absolute return	3,056,626			
Total investments measured at the NAV	26,623,270			
Total investments measured at fair value	\$ 34,194,580			

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The Retirement System has the following recurring fair value measurements as of June 30, 2022:

<b>As of June 30, 2022</b>	<b>Total</b>	<b>Quoted Prices in Active Markets for Identical Assets (Level 1)</b>	<b>Significant Other Observable Inputs (Level 2)</b>	<b>Unobservable Inputs (Level 3)</b>
<b>Investments by fair value level</b>				
Short-term investments	\$ 353,250	\$ 349,997	\$ -	\$ 3,253
Debt securities:				
U.S. government and agency securities	875,900	874,935	965	-
Other debt securities	745,912	88,122	542,813	114,977
Equity securities:				
Domestic	2,821,840	2,814,575	4,326	2,939
International	1,649,505	1,648,544	961	-
Foreign currency contracts, net	(197)	-	-	(197)
Invested securities lending collateral	541,413	-	541,614	(201)
Total investments by fair value level	<u>6,987,623</u>	<u>\$ 5,776,173</u>	<u>\$ 1,090,679</u>	<u>\$ 120,771</u>
<b>Investments measured at the net asset value (NAV)</b>				
Short-term investments	15,849			
Fixed income funds invested in:				
Other debt securities	100,784			
Equity funds invested in:				
Domestic	4,664,059			
International	444,247			
Real assets	5,113,451			
Private credit	2,171,037			
Private equity	10,338,629			
Absolute return	3,511,019			
Total investments measured at the NAV	<u>26,359,075</u>			
<b>Investments not subject to the fair value hierarchy</b>				
City investment pool	15,352			
Total investments measured at fair value	<u>\$ 33,362,050</u>			

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

### Investments at Fair Value

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. In some cases, a valuation technique may have multiple inputs used to measure fair value, and each input might fall into a different level of the fair value hierarchy. The level in the fair value hierarchy within which a fair value measurement falls in its entirety is determined based on the lowest level input that is significant to the measurement. The prices used in determining the fair value hierarchy are obtained from various pricing sources by the Retirement System's custodian bank.

Debt and equity securities classified in Level 1 of the fair value hierarchy are valued using prices quoted in active markets. Debt and equity securities classified in Level 2 of the fair value hierarchy are valued using prices determined by the use of matrix pricing techniques maintained by the various pricing vendors for these securities. Debt securities including short-term instruments are priced based on evaluated prices. Such evaluated prices may be determined by factors which include, but are not limited to, market quotations, yields, maturities, call features, ratings, institutional size trading in similar groups of securities and developments related to specific securities. For equity securities not traded on an active exchange, or if the closing price is not available, corroborated indicative quotes obtained from pricing vendors are generally used. Debt and equity securities classified in Level 3 of the fair value hierarchy are securities whose stated market prices are unobservable by the market place. Many of these securities are priced using uncorroborated indicative quotes, adjusted prices based on inputs from different sources, or evaluated prices using unobservable inputs, such as extrapolated data, proprietary models, and indicative quotes from pricing vendors.

### Investments at Net Asset Value (NAV)

The equity and debt funds are commingled funds that are priced at net asset value by industry vendors and fund families. NAV is the fair value of all securities owned by a fund, minus its total liabilities, divided by the number of shares issued and outstanding. The NAV of an open-end fund is its price.

The fair value of the Retirement System's investments in private equity, real assets, private credit, absolute return, and some public equity investments are based on NAV provided by the investment managers and general partners (hereinafter collectively referred to as the "General Partners"). Such value generally represents the Retirement System's proportionate share of the net assets of the limited partnerships. The partnership financial statements are generally audited annually as of December 31, and the NAV is adjusted by additional contributions to and distributions from the partnership, the Retirement System's share of net earnings and losses, and unrealized gains and losses resulting from changes in fair value, as determined by the General Partners.

The General Partners may use one or more valuation methodologies outlined in FASB ASC 820, *Fair Value Measurement*. For some investments, little market activity may exist. The General Partners' determination of fair value is then based on the best information available in the circumstances and may involve subjective assumptions and estimates, including the General Partners' assessment of the information that market participants would use in valuing the investments. The General Partners may take into consideration a combination of internal and external factors, including but not limit to, appropriate risk adjustments for nonperformance and liquidity. Such fair value estimates involve subjective judgments of unrealized gains and losses.

## **SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The values provided by the General Partners may differ significantly from the values that would have been used had a ready market existed for these investments.

Private credit investment strategies include capital preservation, return maximization, and opportunistic. Investments in the asset class are achieved through commingled funds and separate account partnerships. Private credit investments are mostly illiquid, and distributions are received over the life of the investments. These investments are not typically redeemed, nor do they have set redemption schedules. There are public equity investments held in commingled funds valued at NAV. These investments may be subject to varying lock-up provisions and redemption schedules. The real asset holdings are illiquid. Distributions are received over the life of the investments, which could equal or exceed ten years. They are not redeemed, nor do they have set redemption schedules. Private equity investment strategies include buyout, venture capital, growth capital, and special situations. Investments in the asset class are achieved primarily through commingled funds and separate account partnerships, but may also include direct and co-investment opportunities. Private equity investments are illiquid, and distributions are received over the life of the investments, which could equal or exceed ten years. These investments are not typically redeemed, nor do they have set redemption schedules.

Absolute return investment strategies include equity, credit, macro, emerging markets, quantitative, multi-strategy, special situations/other, co-investments and commodities. Investments are achieved through limited partnerships. Investments have the potential to become illiquid under stressed market conditions and, in certain circumstances, investors may be subject to redemption restrictions that differ from the standard terms and conditions summarized here, which can impede the return of capital according to those terms and conditions.

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The table below provides a summary of the terms and conditions upon which the Retirement System may redeem its debt and equity funds, private equity, real assets, private credit, and absolute return investments as of June 30, 2023.

Investment Type	NAV as of June 30, 2023	Unfunded Commitment	Redemption Frequency	Redemption Notice Period	NAV Lock Up and Years
Debt securities	\$ 44,379	N/A	Monthly	On a business day (BD) at least 15 days prior to the last BD of the month	
	49,393		Daily	2 business days	
	805		N/A	N/A	
<b>Total:</b>	<b>\$ 94,577</b>				
Domestic equity	328,459	N/A	Semi-monthly	6 business days	
	841,811		Semi-monthly	9 business days	
	165,704		Semi-annually*	60 calendar days	
	9,836		Semi-annually*	90 calendar days	
	184,470		Semi-annually	60 calendar days	
	596,971		Semi-annually	90 calendar days	
	325,636		Quarterly	30 calendar days	
	677,181		Quarterly	45 calendar days	
	80,171		Quarterly	60 calendar days	
	883,518		Quarterly	90 calendar days	
621,425	Monthly	30 calendar days			
337,464	Annually	60 calendar days			
<b>Total:</b>	<b>\$ 5,052,646</b>				
International equity securities	472,372	N/A	Monthly	30 calendar days	
Absolute return	1,364,321	62,674	Monthly	5-95 Days	No Lock Up
	1,068,669		Quarterly	45-180 Days	\$969,505 / No Lock Up \$99,164 / Less than 1 Year
	566,070		Semi-annually	60-90 Days	No Lock Up
	57,566		N/A	N/A	No Lock Up
<b>Total:</b>	<b>\$ 3,056,626</b>				
Real assets	52,039	1,871,190	Annually, subject to available liquidity	No later than June 30 of applicable fiscal year	N/A
	772,528		Quarterly, subject to available liquidity	90 calendar days	N/A
	4,383,376		Illiquid	N/A	N/A
<b>Total:</b>	<b>\$ 5,207,943</b>				
Private credit	116,031	2,408,911	Capital returned on a realized basis	90 days	One year hard lock followed by one year soft lock (both expired)
	203,579		Capital returned on a realized basis	90 days	One year hard lock (expired)
	423,265		Capital returned on a realized basis subject to 3-year maximum	180 days	N/A
	61,142		Quarterly, subject to 33% investor level gate	30 days	One year hard lock (expired)
	1,802,892		Illiquid	N/A	N/A
<b>Total:</b>	<b>\$ 2,606,909</b>				
Private equity	10,101,396	3,517,233	Illiquid	N/A	N/A

\* SFERS has requested full redemption as of June 30, 2023. Proceeds are expected in the fiscal year 2023-2024.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The table below provides a summary of the terms and conditions upon which the Retirement System may redeem its debt and equity funds, and absolute return investments as of June 30, 2022.

Investment Type	NAV as of June 30, 2022	Unfunded Commitment	Redemption Frequency	Redemption Notice Period	NAV Lock Up and Years
Debt securities	\$ 46,798	N/A	Monthly	On a business day (BD) at least 15 days prior to the last BD of the month	
	49,825		Daily	2 business days	
	4,161		N/A	N/A	
	<b>Total: \$ 100,784</b>				
Domestic equity securities	590,616	N/A	Monthly	30 calendar days	
	280,236		Semi-monthly	6 business days	
	757,082		Semi-monthly	9 business days	
	292,413		Quarterly	30 calendar days	
	613,488		Quarterly	45 calendar days	
	54,509		Quarterly	60 calendar days	
	977,076		Quarterly	90 calendar days	
	310,585		Semi-annually	60 calendar days	
	408,389		Semi-annually	90 calendar days	
	379,665		Annually	60 calendar days	
	<b>Total: \$ 4,664,059</b>				
International equity securities	444,247	N/A	Monthly	30 calendar days	
Absolute return	1,425,012	55,741	Monthly	5-95 Days	\$1,204,714 / No Lock Up \$61,572 / Less than 1 Year \$102,186 / 1-2 Years
	1,368,472		Quarterly	45-180 Days	
	632,709		Semi-annually	60-180 Days	
	84,826		N/A	N/A	
<b>Total: \$ 3,511,019</b>					

**(6) Securities Lending**

The Retirement System lends U.S. government obligations, domestic and international bonds, and equities to various brokers with a simultaneous agreement to return collateral for the same securities plus a fee in the future. The securities lending agent manages the securities lending program and receives securities and cash as collateral. Cash and non-cash collateral is pledged at 102% to 110% depending on security type.

## **SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The Retirement System does not have the ability to pledge or sell collateral securities unless a borrower defaults. The securities collateral is not reported on the statements of fiduciary net position. As of June 30, 2023, and 2022, the Retirement System has no credit risk exposure to borrowers because the amounts the Retirement System owes them exceed the amounts they owe the Retirement System. As with other extensions of credit, the Retirement System may bear the risk of delay in recovery or of rights in the collateral should the borrower of securities fail financially. However, the lending agent indemnifies the Retirement System against all borrower defaults.

As of June 30, 2023, the Retirement System has lent \$1,243,298 in securities and received collateral of \$562,409 and \$760,562 in cash and securities, respectively, from borrowers. The cash collateral is invested in a separate account managed by the lending agent using investment guidelines approved by the Retirement Board. Due to the increase in the fair value of assets held in the separately managed account, the Retirement System's invested cash collateral was valued at \$562,491. The net unrealized gain of \$82 is presented as part of the net appreciation (depreciation) in fair value of investments in the statement of changes in fiduciary net position in the year in which the unrealized gains and losses occur. The Retirement System is exposed to investment risk including the possible loss of principal value in the separately managed cash collateral reinvestment account due to the fluctuation in the fair value of the assets held in the account.



**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The Retirement System's securities lending transactions as of June 30, 2023, are summarized in the following table.

<b>Securities Lending as of June 30, 2023</b>			
<b>Investment Type</b>	<b>Fair Value of Loaned Securities</b>	<b>Cash Collateral</b>	<b>Non-Cash Collateral</b>
<b>Securities on Loan for Cash Collateral</b>			
U.S. Corporate Fixed Income	\$ 84,817	\$ 86,851	\$ -
U.S. Equities	228,462	231,649	-
U.S. Government Fixed Income	223,974	229,057	-
International Fixed Income	10,263	10,816	-
International Equities	3,685	4,036	-
<b>Securities on Loan for Non-Cash Collateral</b>			
U.S. Corporate Fixed Income	1,497	-	1,529
U.S. Equities	229,768	-	242,733
U.S. Government Fixed Income	297,101	-	332,691
International Fixed Income	3,234	-	3,387
International Equities	160,497	-	180,222
	<u>\$ 1,243,298</u>	<u>\$ 562,409</u>	<u>\$ 760,562</u>

The following table presents the segmented time distribution for the reinvested cash collateral account based upon the expected maturity (in years) as of June 30, 2023.

<b>Investment Type</b>	<b>Fair Value</b>	<b>Maturities</b>
		<b>Less Than 1 Year</b>
Floating Rate Notes	\$ 379,128	\$ 379,128
Commercial Paper	16,746	16,746
Repurchase Agreements	166,626	166,626
Payable/Receivable	(9)	(9)
Total	<u>\$ 562,491</u>	<u>\$ 562,491</u>

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The Retirement System's exposure to credit risk in its reinvested cash collateral account as of June 30, 2023, is as follows:

**Credit Rating of Cash Collateral Account as of June 30, 2023**

<b>Credit Rating</b>	<b>Fair Value</b>	<b>Fair Value as a Percentage of Total</b>
A-1	\$ 59,289	10.5%
AA	128,026	22.8%
A	208,559	37.1%
Not Rated *	166,617	29.6%
Total	<u>\$ 562,491</u>	<u>100.0%</u>

\* This figure includes \$166,626 in repurchase agreements and \$9 in payable.

As of June 30, 2022, the Retirement System has lent \$1,364,036 in securities and received collateral of \$541,557 and \$919,041 in cash and securities, respectively, from borrowers. The cash collateral is invested in a separate account managed by the lending agent using investment guidelines approved by the Retirement Board. Due to the decrease in the fair value of assets held in the separately managed account, the Retirement System's invested cash collateral was valued at \$541,413. The net unrealized loss of \$144 is presented as part of the net appreciation (depreciation) in fair value of investments in the statement of changes in fiduciary net position in the year in which the unrealized gains and losses occur. The Retirement System is exposed to investment risk including the possible loss of principal value in the separately managed cash collateral reinvestment account due to the fluctuation in the fair value of the assets held in the account.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The Retirement System's securities lending transactions as of June 30, 2022, are summarized in the following table.

<b>Securities Lending as of June 30, 2022</b>			
<b>Investment Type</b>	<b>Fair Value of Loaned Securities</b>	<b>Cash Collateral</b>	<b>Fair Value of Non- Cash Collateral</b>
<b>Securities on Loan for Cash Collateral</b>			
U.S. Corporate Fixed Income	\$ 66,931	\$ 69,333	\$ -
U.S. Equities	197,936	205,922	-
U.S. Government Fixed Income	229,851	232,412	-
International Fixed Income	4,275	5,082	-
International Equities	26,408	28,808	-
<b>Securities on Loan for Non-Cash Collateral</b>			
U.S. Corporate Fixed Income	1,826	-	1,870
U.S. Equities	230,306	-	249,613
U.S. Government Fixed Income	484,796	-	529,252
International Fixed Income	3,973	-	4,334
International Equities	117,734	-	133,972
	<u>\$ 1,364,036</u>	<u>\$ 541,557</u>	<u>\$ 919,041</u>

The following table presents the segmented time distribution for the reinvested cash collateral account based upon the expected maturity (in years) as of June 30, 2022.

**Fair Value of Cash Collateral Account as of June 30, 2022**

<b>Investment Type</b>	<b>Fair Value</b>	<b>Maturities</b>
		<b>Less Than 1 Year</b>
Floating Rate Notes	\$ 338,170	\$ 338,170
Money Market Funds	120,000	120,000
Repurchase Agreements	83,444	83,444
Payable/Receivable	(201)	(201)
Total	<u>\$ 541,413</u>	<u>\$ 541,413</u>

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The Retirement System's exposure to credit risk in its reinvested cash collateral account as of June 30, 2022, is as follows:

**Credit Rating of Cash Collateral Account as of June 30, 2022**

<b>Credit Rating</b>	<b>Fair Value</b>	<b>Fair Value as a Percentage of Total</b>
A-1	\$ 27,646	5.1%
AA	124,312	23.0%
A	186,212	34.4%
Not Rated *	203,243	37.5%
<b>Total</b>	<b>\$ 541,413</b>	<b>100.0%</b>

\* This figure includes \$83,444 in repurchase agreements.

**(7) Investments in Real Assets**

Real assets investments represent the Retirement System's interests in real assets limited partnerships and separate accounts. The changes in these investments during the years ended June 30, 2023, and 2022, are summarized as follows:

	<b>2023</b>	<b>2022</b>
Investments:		
Beginning of the year	\$ 5,113,451	\$ 4,182,366
Capital investments	593,518	758,934
Equity in net earnings	103,109	82,352
Net appreciation in fair value	(73,552)	971,153
Capital distributions	(528,583)	(881,354)
End of the year	<b>\$ 5,207,943</b>	<b>\$ 5,113,451</b>

**(8) Benefits**

Allowances and benefits incurred during the years are summarized as follows:

	<b>2023</b>	<b>2022</b>
Service retirement benefits	\$ 1,457,325	\$ 1,356,728
Disability retirement benefits	224,984	211,292
Death benefits	10,089	10,705
COLA benefit adjustments	127,871	131,367
<b>Total</b>	<b>\$ 1,820,269</b>	<b>\$ 1,710,092</b>

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**(9) Funding Policy**

Contributions are made to the Plan by both the employers and the participating employees. The basic employer contributions are the amounts deemed necessary on an actuarial basis using the entry age normal cost method to provide the Retirement System with assets sufficient to pay the basic benefits that are not provided for by employees' contributions. Contribution rates used in fiscal years 2022-23 and 2021-22 are based on a schedule of rates determined from actuarial studies by the consulting actuary as of July 1, 2021, and 2020, respectively.

Required and actual employer contribution rates for the years ended June 30, 2023, and 2022 as a percentage of covered payrolls were as follows:

	Fiscal Year 2022-23	Fiscal Year 2021-22
Police members	17.85% - 18.85%	19.91% - 20.91%
Fire members	17.85% - 18.85%	19.91% - 20.91%
Miscellaneous Non-Safety members	18.35% - 21.35%	20.41% - 24.41%
Sheriff and Miscellaneous Safety members	18.35% - 18.85%	20.41% - 20.91%

Employee contributions are mandatory as required by the Charter. Employee contribution rates for the years ended June 30, 2023, and 2022 as a percentage of gross covered salary were as follows:

	Fiscal Year 2022-23	Fiscal Year 2021-22
Participants entering the Retirement System prior to November 2, 1976		
Police and fire	10.5%	11.5%
Miscellaneous	8.0% - 11.0%	8.0% - 12.0%
Participants entering the Retirement System after November 2, 1976 and prior to July 1, 2010		
Police and fire	11.0%	12.0%
Miscellaneous	7.5% - 10.5%	7.5% - 11.5%
Participants entering the Retirement System on or after July 1, 2010		
Police and fire	11.5% - 12.0%	12.5% - 13.0%
Miscellaneous	7.5% - 10.5%	7.5% - 11.5%
Sheriff and Miscellaneous Safety hired on or after January 7, 2012	11.5% - 12.0%	12.5% - 13.0%

Beginning in the year ended June 30, 2006, most employee groups agreed through collective bargaining for employees to contribute all or a portion of the employee contributions, per memorandums of understanding (MOU's), on a pretax basis. As of July 1, 2011, substantially all employee groups have agreed through collective bargaining for employees to contribute all employee contributions on a pre-tax basis.

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

In the early 1950s, the City and County agreed to exclude uniformed police officers and firefighters from Social Security coverage. Prior to 1990, miscellaneous members covered by Social Security were able to elect to reduce the above stated rate of employee contributions in consideration of their anticipated Social Security benefit payments. All participants who elected such reduction must repay the amount of unpaid employee contributions with interest or there will be an appropriate actuarial reduction in benefits.

Participants terminating service with the employers may withdraw employee contributions plus interest. The interest rate applied to accumulated employee contributions is determined by the Retirement System's consulting actuary and recommended to the Retirement Board. The Retirement Board reviews and sets the crediting interest rate for the Plan on an annual basis. Interest for the years ended June 30, 2023, and 2022, accumulated at 4.00%.

### (10) Net Pension Liability/(Asset) of Employers

The components of the employers' net pension liability/(asset) at June 30, 2023, and 2022, were as follows:

	June 30, 2023	June 30, 2022
Total pension liability	\$ 37,332,835	\$ 35,489,639
Fiduciary net position	\$ 33,688,428	\$ 32,798,524
Net pension liability/(asset)	\$ 3,644,407	\$ 2,691,115
Fiduciary net position as a percentage of total pension liability	90.2%	92.4%

#### (a) Actuarial Assumptions and Long Term Expected Return Assumptions

The total pension liabilities as of June 30, 2023, and 2022, were determined by actuarial valuations as of July 1, 2022, and 2021, respectively, which were rolled forward to June 30, 2023, and 2022, using standard roll forward procedures.

The following is a summary of actuarial methods and assumptions used at the June 30, 2023, measurement date:

Inflation	2.50%
Salary increases	3.25% plus merit component based on employee classification and years of service
Investment rate of return	7.20%, net of pension plan investment expense, including inflation

Mortality rates for healthy Miscellaneous members were based upon adjusted PubG-2010 Employee and Retiree tables for non-annuitants and retirees, respectively. Mortality rates for Safety members were based upon adjusted PubS-2010 Employee and Retiree tables for non-annuitants and retirees, respectively. Mortality rates were then projected generationally from the base year using the MP-2019 projection scale.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The actuarial assumptions used at the June 30, 2023, measurement date are based upon the results of a demographic experience study for the period July 1, 2014, through June 30, 2019, and a review of economic assumptions as of July 1, 2022.

The Supplemental COLA assumptions as of June 30, 2023, were developed based upon the probability and amount of Supplemental COLA expected for each future year and are shown below.

**Assumed Future Supplemental COLAs**

<b>Assumed Future Supplemental COLAs</b>			
<b>Hired Before Prop C</b>			
<b>July 1,</b>	<b>Old Police &amp; Fire</b>	<b>Old Miscellaneous and all New Plans</b>	<b>Hired After Prop C</b>
2023	0.00%	0.00%	0.00%
2024+	½ x (3.5% less assumed Basic COLA), not less than zero	0.75%	0.50%

The long-term expected rate of return on pension plan investments was 7.20%. It was set by the Retirement Board after consideration of both expected future returns and historical returns experienced by the Retirement System. Expected future returns were determined by using best-estimates of expected future nominal rates of return for each major asset class over 10 and 30-year horizons. These estimates were combined to produce the long-term expected rate of return by weighting the expected future nominal rates of return by the target asset allocation percentage.

The target allocation and best estimates of geometric long-term expected real rates of return (expected returns, net of pension plan investment expense and inflation) for each major asset class as of June 30, 2023, are summarized in the following table:

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long-Term Expected Real Rate of Return</u>
Global Equity	37.0%	4.6%
Treasuries	8.0%	1.7%
Liquid Credit	5.0%	3.5%
Private Credit	10.0%	5.8%
Private Equity	23.0%	7.8%
Real Assets	10.0%	5.3%
Absolute Return	10.0%	4.4%
Leverage	-3.0%	1.4%
	<u>100.0%</u>	

The following is a summary of actuarial methods and assumptions used at the June 30, 2022, measurement date:

Inflation	2.50%
Salary increases	3.25% plus merit component based on employee classification and years of service
Investment rate of return	7.20%, net of pension plan investment expense, including inflation

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

Mortality rates for healthy Miscellaneous members were based upon adjusted PubG-2010 Employee and Retiree tables for non-annuitants and retirees, respectively. Mortality rates for Safety members were based upon adjusted PubS-2010 Employee and Retiree tables for non-annuitants and retirees, respectively. Mortality rates were then projected generationally from the base year using the MP-2019 projection scale.

The actuarial assumptions used at the June 30, 2022, measurement date are based upon the results of a demographic experience study for the period July 1, 2014, through June 30, 2019, and an economic experience study as of July 1, 2021.

The Supplemental COLA assumption as of June 30, 2022, was developed based upon the probability and amount of Supplemental COLA for each future year. The tables below show the net assumed Supplemental COLA for members at sample years.

**Assumed Future Supplemental COLA for Members Retiring Before 11/6/1996  
or Hired After Prop C**

<b>July 1,</b>	<b>Old Miscellaneous and all New Plans</b>	<b>Old Police &amp; Fire, pre-7/1/75 Retirements</b>	<b>Old Police &amp; Fire A8.595, A8.596, Retirements</b>
2022	0.00%	0.00%	0.00%
2023	0.70%	0.80%	0.50%
2024	0.60%	0.60%	0.40%
2025	0.60%	0.60%	0.40%
2026	0.50%	0.60%	0.30%
2027+	0.50%	0.50%	0.30%

**Assumed Future Supplemental COLA for Members Retiring After 11/6/1996  
and Hired Before Prop C**

<b>July 1,</b>	<b>Old Miscellaneous and all New Plans</b>	<b>Old Police &amp; Fire</b>
2022	0.00%	0.00%
2023+	0.75%	½ x (3.5% less assumed Basic COLA), not less than zero

The long-term expected rate of return on pension plan investments was 7.20%. It was set by the Retirement Board after consideration of both expected future returns and historical returns experienced by the Retirement System. Expected future returns were determined by using a building-block method in which best-estimate ranges of expected future real rates of return were developed for each major asset class. These ranges were 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.



**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The target allocation and best estimates of geometric long-term expected real rates of return (expected returns, net of pension plan investment expense and inflation) for each major asset class as of June 30, 2022, are summarized in the following table:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
Global Equity	37.0%	4.8%
Treasuries	8.0%	0.6%
Liquid Credit	5.0%	3.5%
Private Credit	10.0%	5.8%
Private Equity	23.0%	7.9%
Real Assets	10.0%	4.7%
Absolute Return	10.0%	3.4%
Leverage	-3.0%	0.6%
	100.0%	

**(b) Discount Rate**

The discount rate used to measure the total pension liability at June 30, 2023, was 7.20%. The projection of cash flows used to determine the discount rate assumed that plan member contributions will continue to be made at the rates specified in the Charter of the City and County of San Francisco. Employer contributions were assumed to be made in accordance with the contribution policy in effect for the July 1, 2022, actuarial valuation. While the contributions and measure of actuarial liability in the funding valuation do not anticipate any future Supplemental COLAs, the projected contributions for the determination of the discount rate include the anticipated future amortization payments on future Supplemental COLAs for current members when they are expected to be granted. The projection of benefit payments to current members for determining the discount rate includes the payment of anticipated future Supplemental COLAs.

As of June 30, 2023, the System's fiduciary net position was projected to be available to make all projected future benefit payments for current members. Projected benefit payments are discounted at the long-term expected return on assets of 7.20% to the extent the fiduciary net position is available to make the payments and at the municipal bond rate of 3.65% to the extent that they are not available. The single equivalent percentage rate used to determine the total pension liability as of June 30, 2023, rounded to two decimals is 7.20%.

The discount rate used to measure the total pension liability at June 30, 2022, was 7.20%. The projection of cash flows used to determine the discount rate assumed that plan member contributions will continue to be made at the rates specified in the Charter of the City and County of San Francisco. Employer contributions were assumed to be made in accordance with the contribution policy in effect for the July 1, 2021, actuarial valuation. While the contributions and measure of actuarial liability in the funding valuation do not anticipate any future Supplemental COLAs, the projected contributions for the determination of the discount rate include the anticipated future amortization payments on future Supplemental COLAs for current members when they are expected to be granted. The projection of benefit payments to current members for determining the discount rate includes the payment of anticipated future Supplemental COLAs.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

As of June 30, 2022, the System's fiduciary net position was projected to be available to make all projected future benefit payments for current members. Projected benefit payments are discounted at the long-term expected return on assets of 7.20% to the extent the fiduciary net position is available to make the payments and at the municipal bond rate of 3.54% to the extent that they are not available. The single equivalent percentage rate used to determine the total pension liability as of June 30, 2022, rounded to two decimals is 7.20%.

The municipal bond rates of 3.65% and 3.54% used to determine the above discount rates represent the yields available on June 30, 2023, and June 30, 2022, respectively, on the Bond Buyer 20-Bond GO Index.

**(c) Sensitivity of the Net Pension Liability/(Asset) to Changes in the Discount Rate**

The following presents the net pension liability/(asset) as of June 30, 2023, and 2022, calculated using the discount rates of 7.20% and 7.20%, respectively, as well as what the total net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the discount rates:

	Net Pension Liability/(Asset)	
	June 30, 2023	June 30, 2022
1% Decrease	\$8,548,071	\$7,369,281
Current Discount Rate	\$3,644,407	\$2,691,115
1% Increase	\$(398,643)	\$(1,165,469)

**(d) Money Weighted Rate of Returns**

For the years ended June 30, 2023, and 2022, the annual money-weighted rates of return on pension plan investments, net of investment expenses, adjusted for the changing amounts actually invested, were 5.26% and -6.24%, respectively.

**(11) Postemployment Healthcare Plan**

**(a) Other Postemployment Benefits (OPEB)**

The Retirement System participates in the City's multiple-employer defined benefit other postemployment benefits plan (the OPEB Plan). The OPEB Plan is maintained by the City and is administered through the City's Health Service System. It provides postemployment medical, dental and vision insurance benefits to eligible employees, retired employees, surviving spouses, and domestic partners. Health benefit provisions are established and may be amended through negotiations between the City and the respective bargaining units. The City does not issue a separate report on its other postemployment benefit plan.

GASB Statement No. 75 requires that reported results must pertain to liability and asset information within certain defined timeframes. For the year ended June 30, 2023, the following timeframes are used.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)  
 Years Ended June 30, 2023 and 2022  
 (Dollar amounts in thousands)

**San Francisco Health Service System Retiree Plan – Multiple-Employer**

Valuation Date (VD)	June 30, 2022
Measurement Date (MD)	June 30, 2022
Measurement Period (MP)	July 1, 2021 to June 30, 2022

The Retirement System’s proportionate share percentage of the OPEB Plan was determined based on its percentage of citywide “pay-as-you-go” contributions for the year ended June 30, 2022. The Retirement System’s net OPEB liability, deferred outflows/inflows of resources related to OPEB, amortization of deferred outflows/inflows and OPEB expense to each department is based on the Retirement System’s allocated percentage. The Retirement System’s proportionate share of the City’s OPEB elements was 0.30% as of the measurement date.

**(b) Benefits**

Permanent full-time and elected employees are eligible to retire and receive postretirement health insurance benefits when they are eligible for retirement benefits from the City and County of San Francisco Employees’ Retirement System. The eligibility requirements are as follows:

Normal Retirement	Miscellaneous	Age 50 with 20 years of credited service <sup>1</sup> Age 60 with 10 years of credited service
	Safety	Age 50 with 5 years of credited service
Disabled Retirement <sup>2</sup>	Any age with 10 years of credited service	
Terminated Vested	5 years of credited service at separation	

1. Age 53 with 20 years of credited service, age 60 with 10 years of credited service, or age 65 for Miscellaneous members hired on or after January 7, 2012, under Charter Section 8.603.
2. No service requirement for Safety members retiring under the industrial disability benefit or for surviving spouses / domestic partners of those killed in the line of duty.

Retiree healthcare benefits are administered by the San Francisco Health Service System and include the following:

Medical:	PPO – Blue Shield (self-insured) and UHC Medicare Advantage (fully-insured) HMO – Kaiser (fully-insured), Blue Shield (flex-funded) and Health Net (flex-funded)
Dental:	Delta Dental, DeltaCare USA and United Healthcare Dental
Vision:	Vision benefits are provided under the medical insurance plans and are administered by Vision Service Plan.

Projections of the sharing of benefit related costs are based on an established pattern of practice.

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

### (c) Contributions

Benefits provided under the Plan are currently paid through “pay-as-you-go” funding. Additionally, under the City Charter, active officers and employees of the City who commenced employment on or after January 10, 2009, shall contribute to the Retiree Health Care Trust Fund (Trust Fund) a percentage of compensation not to exceed 2% of pre-tax compensation. The City shall contribute 1% of compensation for officers and employees who commenced employment on or after January 10, 2009, until the City’s GASB Actuary has determined that the City’s portion of the Trust Fund is fully funded. At that time, the City’s 1% contribution shall cease, and officers and employees will each contribute 50% of the maximum 2% of pre-tax compensation.

Starting July 1, 2016, active officers and employees of the City who commenced employment on or before January 9, 2009, shall contribute 0.25% of pre-tax compensation into the Trust Fund. Beginning on July 1<sup>st</sup> of each subsequent year, the active officers and employees of the City who commenced employment on or before January 9, 2009, shall contribute an additional 0.25% of pre-tax compensation up to a maximum of 1%. Starting July 1, 2016, the City shall contribute 0.25% of compensation into the Trust Fund for each officer and employee who commenced employment on or before January 9, 2009. Beginning on July 1<sup>st</sup> of each subsequent year, the City shall contribute an additional 0.25% of compensation, up to a maximum of 1% for each officer and employee who commenced employment on or before January 9, 2009. When the City’s GASB Actuary has determined that the City’s portion of the Trust Fund is fully funded, the City’s 1% contribution shall cease, and officers and employees will each contribute 50% of the maximum 1% of pre-tax compensation.

Additional or existing contribution requirements may be established or modified by amendment to the City’s Charter.

For the fiscal year ended June 30, 2023, the City’s funding was based on “pay as you go” plus a contribution of \$45,241 to the Retiree Healthcare Trust Fund. The “pay as you go” portion paid by the City was \$215,408 for a total contribution of \$260,649 for the fiscal year ended June 30, 2023. The Retirement System’s proportionate share of the City’s contributions for fiscal year 2022-23 was \$785.

### (d) Net OPEB Liability, OPEB Expense and Deferred Outflows/Inflows of Resources Related to OPEB

As of June 30, 2023, the City reported a net OPEB liability related to the Plan of \$3.7 billion. The Retirement System’s proportionate share of the City’s net OPEB liability as of June 30, 2023 was \$11,279.

For the year ended June 30, 2023, the City’s recognized OPEB expense was \$256,974. Amortization of the City’s deferred outflows and inflows is included as a component of OPEB expense. The Retirement System’s proportionate share of the City’s OPEB expense was \$62.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

As of June 30, 2023, the Retirement System reported its proportionate share of the City's deferred outflows and inflows of resources related to OPEB from the following sources:

<b>Retirement System</b>	<b>Deferred Outflows of Resources</b>	<b>Deferred Inflows of Resources</b>
Contributions subsequent to measurement date	\$ 785	\$ -
Differences between expected and actual experience	250	1,878
Changes in assumptions	482	-
Net difference between projected and actual earnings on plan investments	182	-
Change in proportion	667	-
Total	<u>\$ 2,366</u>	<u>\$ 1,878</u>

Amounts reported as deferred outflows, exclusive of contributions made after the measurement date, and deferred inflows of resources will be amortized annually and recognized in OPEB expense as follows:

**Year ending June 30:**

2024	(106)
2025	(103)
2026	10
2027	(21)
2028	(77)
Thereafter	0

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**  
Notes to Financial Statements (Continued)  
Years Ended June 30, 2023 and 2022  
(Dollar amounts in thousands)

**(e) Actuarial Assumptions**

A summary of the actuarial assumptions and methods used to calculate the total OPEB liability as of June 30, 2022 (measurement date), is provided below:

**Key Actuarial Assumptions**

<b>Valuation Date</b>	June 30, 2022
<b>Measurement Date</b>	June 30, 2022
<b>Actuarial Cost Method</b>	The Entry Age Actuarial Cost Method is used to measure the Plan's Total OPEB Liability
<b>Healthcare Cost Trend Rates</b>	Pre-Medicare trend starts at 7.74% trending down to ultimate rate of 3.93% in 2076 Medicare trend starts at 7.74% trending down to ultimate rate of 3.94% in 2076 10-County average trend starts at 5.00% trending down to ultimate rate of 3.94% in 2076 Vision and expenses trend remains a flat 3.00% for all years
<b>Expected Rate of Return on Plan Assets</b>	7.00%
<b>Salary Increase Rate</b>	Wage Inflation Component: 3.25% Additional Merit Component (dependent on years of service): Police: 0.50% - 7.50% Fire: 0.50% - 14.00% Muni Drivers: 0.00% - 16.00% Craft: 0.50% - 3.75% Misc: 0.30% - 5.50%
<b>Inflation Rate</b>	Wage Inflation: 3.25% compounded annually Consumer Price Inflation: 2.50% compounded annually
<b>Mortality Tables</b>	Base mortality tables are developed by multiplying a published table by an adjustment factor developed in SFERS experience study for the period ending June 30, 2019.

		<b>Adjustment Factor</b>	
		<b>Male</b>	<b>Female</b>
Non-Annuitants			
	<b>Published Table</b>		
Miscellaneous	PubG-2010 Employee	0.834	0.866
Safety	PubS-2010 Employee	1.011	0.979
Healthy Retirees □			
	<b>Published Table</b>		
Miscellaneous	PubG-2010 Employee	1.031	0.977
Safety	PubS-2010 Employee	0.947	1.044
Disabled Retirees □			
	<b>Published Table</b>		
Miscellaneous	PubG-2010 Employee	1.045	1.003
Safety	PubS-2010 Employee	0.916	0.995
Beneficiaries			
	<b>Published Table</b>		
Miscellaneous	PubG-2010 Employee	1.031	0.977
Safety	PubG-2010 Employee	1.031	0.977

The mortality rates in the base tables are projected generationally from the base year using the MP-2019 projection scale.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**(f) Sensitivity of Net OPEB Liability to Changes in the Healthcare Cost Trend Rate**

The following presents the Retirement System's proportionate share of the City's net OPEB liability calculated using the healthcare cost trend rate, as well as what the Retirement System's allocation of the City's net OPEB liability would be if it were calculated using a healthcare cost trend rate that is 1% lower or 1% higher than the current rate:

<u>1% Decrease</u>	<u>Healthcare Trend</u>	<u>1% Increase</u>
\$ 9,649	\$ 11,279	\$ 13,301

**(g) Discount Rate**

The discount rate used to measure the total OPEB liability as of June 30, 2022 was 7.00%. Based on the assumption that plan member contributions will continue to be made at the rates specified in the Charter, it was determined that the Plan's projected fiduciary net position will be greater than or equal to the benefit payments projected for each future period. As such, the long-term expected rate of return on plan investments was applied to all periods of projected benefit payments to determine the total OPEB liability.

The long-term expected rate of return on OPEB plan investments was 7.00% based on expected future returns and historical returns experienced by the Trust Fund. Expected future returns were determined based on 10-year and 20-year capital market assumptions for the Trust Fund's asset allocation. Target allocation for each major asset class and best estimates of geometric real rates of return are summarized in the following table:

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long-term Expected Real Rate of Return</u>
<b>Equities</b>		
U.S. Large Cap	28.0%	6.8%
U.S. Small Cap	3.0%	7.4%
Developed Market Equity (non-U.S.)	15.0%	7.5%
Emerging Market Equity	13.0%	8.4%
<b>Credit</b>		
Bank Loans	3.0%	4.0%
High Yield Bonds	3.0%	4.4%
Emerging Market Bonds	3.0%	4.2%
<b>Rate Securities</b>		
Investment Grade Bonds	9.0%	2.4%
Long-term Government Bonds	4.0%	2.8%
Short-term Treasury Inflation Protected Securities (TIPS)	4.0%	1.9%
<b>Private Markets</b>		
Private Equity	5.0%	10.0%
Core Private Real Estate	5.0%	6.1%
<b>Risk Mitigating Strategies</b>		
Global Macro	5.0%	5.0%
<b>Total</b>	<u>100.0%</u>	

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

The following presents the Retirement System's proportionate share of the City's net OPEB liability calculated using the discount rate, as well as what the Retirement System's proportionate share of the City's net OPEB liability would be if it were calculated using a discount rate that is 1% lower or 1% higher than the current rate:

1% Decrease	Discount Rate	1% Increase
6.00%	7.00%	8.00%
-----	-----	-----
\$ 13,131	\$ 11,279	\$ 9,760

City issues a publicly available Annual Comprehensive Financial Report that includes the complete note disclosures and required supplementary information related to the City's postemployment health care obligations. The report may be obtained by writing to the City and County of San Francisco, Office of the Controller, 1 Dr. Carlton B. Goodlett Place, Room 316, San Francisco, California 94102, or by calling (415) 554-7500.

**Fiscal Year 2022 Postemployment Healthcare Plan**

**(a) Other Postemployment Benefits (OPEB)**

The Retirement System participates in the City's multiple-employer defined benefit other postemployment benefits plan (the OPEB Plan). The OPEB Plan is maintained by the City and is administered through the City's Health Service System. It provides postemployment medical, dental and vision insurance benefits to eligible employees, retired employees, surviving spouses, and domestic partners. Health benefit provisions are established and may be amended through negotiations between the City and the respective bargaining units. The City does not issue a separate report on its other postemployment benefit plan.

GASB Statement No. 75 requires that reported results must pertain to liability and asset information within certain defined timeframes. For the year ended June 30, 2022, the following timeframes are used.



## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

### San Francisco Health Service System Retiree Plan – Multiple-Employer

Valuation Date (VD) June 30, 2020, updated to June 30, 2021

Measurement Date (MD) June 30, 2021

Measurement Period (MP) July 1, 2020 to June 30, 2021

The Retirement System's proportionate share percentage of the OPEB Plan was determined based on its percentage of citywide "pay-as-you-go" contributions for the year ended June 30, 2021. The Retirement System's net OPEB liability, deferred outflows/inflows of resources related to OPEB, amortization of deferred outflows/inflows and OPEB expense to each department is based on the Retirement System's allocated percentage. The Retirement System's proportionate share of the City's OPEB elements was 0.31% as of the measurement date.

#### (b) Benefits

Permanent full-time and elected employees are eligible to retire and receive postretirement health insurance benefits when they are eligible for retirement benefits from the City and County of San Francisco Employees' Retirement System. The eligibility requirements are as follows:

Normal Retirement	Miscellaneous	Age 50 with 20 years of credited service <sup>1</sup> Age 60 with 10 years of credited service
	Safety	Age 50 with 5 years of credited service
Disabled Retirement <sup>2</sup>		Any age with 10 years of credited service
Terminated Vested		5 years of credited service at separation

1. Age 53 with 20 years of credited service, age 60 with 10 years of credited service, or age 65 for Miscellaneous members hired on or after January 7, 2012.
2. No service requirement for Safety members retiring under the industrial disability benefit or for surviving spouses / domestic partners of those killed in the line of duty.

Retiree healthcare benefits are administered by the San Francisco Health Service System and include the following:

Medical:	PPO – City Health Plan (self-insured) and UHC Medicare Advantage (fully-insured)
	HMO – Kaiser (fully-insured) and Blue Shield (flex-funded)
Dental:	Delta Dental, DeltaCare USA and United Healthcare Dental
Vision:	Vision benefits are provided under the medical insurance plans and are administered by Vision Service Plan.

Projections of the sharing of benefit related costs are based on an established pattern of practice.

## SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

### (c) Contributions

Benefits provided under the Plan are currently paid through “pay-as-you-go” funding. Additionally, under the City Charter, active officers and employees of the City who commenced employment on or after January 10, 2009, shall contribute to the Retiree Health Care Trust Fund (Trust Fund) a percentage of compensation not to exceed 2% of pre-tax compensation. The City shall contribute 1% of compensation for officers and employees who commenced employment on or after January 10, 2009, until the City’s GASB Actuary has determined that the City’s portion of the Trust Fund is fully funded. At that time, the City’s 1% contribution shall cease, and officers and employees will each contribute 50% of the maximum 2% of pre-tax compensation.

Starting July 1, 2016, active officers and employees of the City who commenced employment on or before January 9, 2009, shall contribute 0.25% of pre-tax compensation into the Trust Fund. Beginning on July 1<sup>st</sup> of each subsequent year, the active officers and employees of the City who commenced employment on or before January 9, 2009, shall contribute an additional 0.25% of pre-tax compensation up to a maximum of 1%. Starting July 1, 2016, the City shall contribute 0.25% of compensation into the Trust Fund for each officer and employee who commenced employment on or before January 9, 2009. Beginning on July 1<sup>st</sup> of each subsequent year, the City shall contribute an additional 0.25% of compensation, up to a maximum of 1% for each officer and employee who commenced employment on or before January 9, 2009. When the City’s GASB Actuary has determined that the City’s portion of the Trust Fund is fully funded, the City’s 1% contribution shall cease, and officers and employees will each contribute 50% of the maximum 1% of pre-tax compensation.

Additional or existing contribution requirements may be established or modified by amendment to the City’s Charter.

For the fiscal year ended June 30, 2022, the City’s funding was based on “pay as you go” plus a contribution of \$41,841 to the Retiree Healthcare Trust Fund. The “pay as you go” portion paid by the City was \$211,025 for a total contribution of \$252,866 for the fiscal year ended June 30, 2022. The Retirement System’s proportionate share of the City’s contributions for fiscal year 2021-22 was \$784.

### (d) Net OPEB Liability, OPEB Expense and Deferred Outflows/Inflows of Resources Related to OPEB

As of June 30, 2022, the City reported a net OPEB liability related to the Plan of \$3.7 billion. The Retirement System’s proportionate share of the City’s net OPEB liability as of June 30, 2022 was \$11,437.

For the year ended June 30, 2022, the City’s recognized OPEB expense was \$272,001. Amortization of the City’s deferred outflows and inflows is included as a component of OPEB expense. The Retirement System’s proportionate share of the City’s OPEB expense was \$593.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

As of June 30, 2022, the Retirement System reported its proportionate share of the City's deferred outflows and inflows of resources related to OPEB from the following sources:

<b>Retirement System</b>	<b>Deferred Outflows of Resources</b>	<b>Deferred Inflows of Resources</b>
Contributions subsequent to measurement date	\$ 784	\$ -
Differences between expected and actual experience	344	1,762
Changes in assumptions	483	-
Net difference between projected and actual earnings on plan investments	-	216
Change in proportion	481	191
Total	\$ 2,092	\$ 2,169

Amounts reported as deferred outflows, exclusive of contributions made after the measurement date, and deferred inflows of resources will be amortized annually and recognized in OPEB expense as follows:

**Year ending June 30:**

2023	(230)
2024	(230)
2025	(227)
2026	(48)
2027	(78)
Thereafter	(48)

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**  
Notes to Financial Statements (Continued)  
Years Ended June 30, 2023 and 2022  
(Dollar amounts in thousands)

**(e) Actuarial Assumptions**

A summary of the actuarial assumptions and methods used to calculate the total OPEB liability as of June 30, 2021 (measurement date), is provided below:

**Key Actuarial Assumptions**

<b>Valuation Date</b>	June 30, 2020, updated to June 30, 2021
<b>Measurement Date</b>	June 30, 2021
<b>Actuarial Cost Method</b>	The Entry Age Actuarial Cost Method is used to measure the Plan's Total OPEB Liability
<b>Healthcare Cost Trend Rates</b>	Pre-Medicare trend starts at 6.74% trending down to ultimate rate of 4.04% in 2075 Medicare trend starts at 7.24% trending down to ultimate rate of 4.04% in 2075 10-County average trend starts at 5.50% trending down to ultimate rate of 4.04% in 2075 Vision and expenses trend remains a flat 3.00% for all years
<b>Expected Rate of Return on Plan Assets</b>	7.00%
<b>Salary Increase Rate</b>	Wage Inflation Component: 3.25% Additional Merit Component (dependent on years of service): Police: 0.50% - 7.50% Fire: 0.50% - 14.00% Muni Drivers: 0.00% - 16.00% Craft: 0.50% - 3.75% Misc: 0.30% - 5.50%
<b>Inflation Rate</b>	Wage Inflation: 3.25% compounded annually Consumer Price Inflation: 2.50% compounded annually
<b>Mortality Tables</b>	Base mortality tables are developed by multiplying a published table by an adjustment factor developed in SFERS experience study for the period ending June 30, 2019.

Non-Annuitants		<b>Adjustment Factor</b>	
	<b>Published Table</b>	<b>Male</b>	<b>Female</b>
	Miscellaneous PubG-2010 Employee	0.834	0.866
	Safety PubS-2010 Employee	1.011	0.979
Healthy Retirees ☐		<b>Adjustment Factor</b>	
	Miscellaneous PubG-2010 Employee	1.031	0.977
	Safety PubS-2010 Employee	0.947	1.044
Disabled Retirees ☐		<b>Adjustment Factor</b>	
	Miscellaneous PubG-2010 Employee	1.045	1.003
	Safety PubS-2010 Employee	0.916	0.995
Beneficiaries		<b>Adjustment Factor</b>	
	Miscellaneous PubG-2010 Employee	1.031	0.977
	Safety PubG-2010 Employee	1.031	0.977

The mortality rates in the base tables are projected generationally from the base year using the MP-2019 projection scale.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**(f) Sensitivity of Net OPEB Liability to Changes in the Healthcare Cost Trend Rate**

The following presents the Retirement System's proportionate share of the City's net OPEB liability calculated using the healthcare cost trend rate, as well as what the Retirement System's allocation of the City's net OPEB liability would be if it were calculated using a healthcare cost trend rate that is 1% lower or 1% higher than the current rate:

<u>1% Decrease</u>	<u>Healthcare Trend</u>	<u>1% Increase</u>
\$ 9,735	\$ 11,437	\$ 13,559

**(g) Discount Rate**

The discount rate used to measure the total OPEB liability as of June 30, 2021, was 7.00%. Based on the assumption that plan member contributions will continue to be made at the rates specified in the Charter, it was determined that the Plan's projected fiduciary net position will be greater than or equal to the benefit payments projected for each future period. As such, the long-term expected rate of return on plan investments was applied to all periods of projected benefit payments to determine the total OPEB liability.

The long-term expected rate of return on OPEB plan investments was 7.00% based on expected future returns and historical returns experienced by the Trust Fund. Expected future returns were determined based on 10-year and 20-year capital market assumptions for the Trust Fund's asset allocation. Target allocation for each major asset class and best estimates of geometric real rates of return are summarized in the following table:

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Financial Statements (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

<b>Asset Class</b>	<b>Target Allocation</b>	<b>Long-term Expected Real Rate of Return</b>
<b>Equities</b>		
U.S. Large Cap	28.0%	8.2%
U.S. Small Cap	3.0%	9.5%
Developed Market Equity (non-U.S.)	15.0%	8.9%
Emerging Market Equity	13.0%	11.0%
<b>Credit</b>		
Bank Loans	3.0%	4.4%
High Yield Bonds	3.0%	4.4%
Emerging Market Bonds	3.0%	4.3%
<b>Rate Securities</b>		
Investment Grade Bonds	9.0%	1.9%
Long-term Government Bonds	4.0%	3.2%
Short-term Treasury Inflation Protected Securities (TIPS)	4.0%	1.5%
<b>Private Markets</b>		
Private Equity	5.0%	13.0%
Core Private Real Estate	5.0%	6.2%
<b>Risk Mitigating Strategies</b>		
Global Macro	5.0%	4.4%
<b>Total</b>	<u>100.0%</u>	

The asset allocation targets summarized above have a 20-year return estimate of 6.54%, which was weighted against a 10-year model estimating a 6.58% return, resulting in the ultimate long-term expected rate of return of 7.00%.

The following presents the Retirement System's proportionate share of the City's net OPEB liability calculated using the discount rate, as well as what the Retirement System's proportionate share of the City's net OPEB liability would be if it were calculated using a discount rate that is 1% lower or 1% higher than the current rate:

1% Decrease	Discount Rate	1% Increase
6.00%	7.00%	8.00%
\$ 13,374	\$ 11,437	\$ 9,855

City issues a publicly available Annual Comprehensive Financial Report that includes the complete note disclosures and required supplementary information related to the City's postemployment health care obligations. The report may be obtained by writing to the City and County of San Francisco, Office of the Controller, 1 Dr. Carlton B. Goodlett Place, Room 316, San Francisco, California 94102, or by calling (415) 554-7500.

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Required Supplementary Information – Unaudited

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**Schedule of Changes in Collective Net Pension Liability/(Asset) and Related Ratios**

	Year Ended June 30, 2023	Year Ended June 30, 2022	Year Ended June 30, 2021	Year Ended June 30, 2020	Year Ended June 30, 2019
Total pension liability:					
Service cost	\$ 813,901	\$ 781,610	\$ 718,771	\$ 704,637	\$ 675,065
Interest on total pension liability	2,518,802	2,471,994	2,302,075	2,230,441	2,131,847
Changes of benefit terms	59,080	-	-	-	-
Differences between expected and actual experience	295,778	98,920	136,097	205,869	12,484
Changes of assumptions	-	786,100	(479,435)	(117,141)	351,902
Benefit payments, including refunds of contributions	(1,844,365)	(1,737,750)	(1,619,761)	(1,548,077)	(1,456,682)
Net change in total pension liability	1,843,196	2,400,874	1,057,747	1,475,729	1,714,616
Total pension liability - beginning of year	35,489,639	33,088,765	32,031,018	30,555,289	28,840,673
Total pension liability - end of year (a)	37,332,835	35,489,639	33,088,765	32,031,018	30,555,289
Fiduciary net position:					
Contributions - member	413,916	423,471	409,398	400,649	380,980
Contributions - employer	672,651	768,463	836,559	742,985	645,056
Net investment income (loss)	1,670,666	(2,308,320)	9,447,669	966,282	1,970,312
Benefit payments, including refunds of contributions	(1,844,365)	(1,737,750)	(1,619,761)	(1,548,077)	(1,456,682)
Administrative expense	(22,964)	(21,174)	(20,249)	(20,270)	(18,983)
Net change in fiduciary net position	889,904	(2,875,310)	9,053,616	541,569	1,520,683
Fiduciary net position - beginning of year					
Beginning of year (as previously reported)	32,798,524	35,673,834	26,620,218	26,078,649	24,557,966
Restatement due to adoption of GASB75	-	-	-	-	-
Beginning of year (as restated)	32,798,524	35,673,834	26,620,218	26,078,649	24,557,966
Fiduciary net position - end of year (b)	33,688,428	32,798,524	35,673,834	26,620,218	26,078,649
Net pension liability/(asset) - end of year (a) - (b)	\$ 3,644,407	\$ 2,691,115	\$ (2,585,069)	\$ 5,410,800	\$ 4,476,640
Fiduciary net position as a percentage					
of total pension liability	90.2%	92.4%	107.8%	83.1%	85.3%
Covered payroll	\$ 3,994,117	\$ 3,742,459	\$ 3,623,898	\$ 3,566,991	\$ 3,375,447
Net pension liability/(asset) as a percentage					
of covered payroll	91.2%	71.9%	-71.3%	151.7%	132.6%

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**  
Required Supplementary Information – Unaudited (Continued)  
Years Ended June 30, 2023 and 2022  
(Dollar amounts in thousands)

	Year Ended June 30, 2018	Year Ended June 30, 2017	Year Ended June 30, 2016	Year Ended June 30, 2015	Year Ended June 30, 2014
<b>Total pension liability:</b>					
Service cost	\$ 632,118	\$ 644,277	\$ 567,576	\$ 523,644	\$ 509,200
Interest on total pension liability	2,041,110	1,924,206	1,669,996	1,621,582	1,542,266
Changes of benefit terms	-	-	1,293,714	-	-
Differences between expected and actual experience	(42,382)	57,911	(119,270)	(197,981)	-
Changes of assumptions	170,699	88,180	1,087,309	216,845	(73,315)
Benefit payments, including refunds of contributions	(1,364,587)	(1,278,140)	(1,256,146)	(1,131,030)	(1,072,526)
Net change in total pension liability	1,436,958	1,436,434	3,243,179	1,033,060	905,625
Total pension liability - beginning of year	27,403,715	25,967,281	22,724,102	21,691,042	20,785,417
Total pension liability - end of year (a)	28,840,673	27,403,715	25,967,281	22,724,102	21,691,042
<b>Fiduciary net position:</b>					
Contributions - member	364,696	316,844	322,764	301,682	289,020
Contributions - employer	619,067	551,809	526,805	592,643	532,882
Net investment income	2,549,674	2,683,468	150,190	763,429	3,175,431
Benefit payments, including refunds of contributions	(1,364,587)	(1,278,140)	(1,256,146)	(1,131,030)	(1,072,526)
Administrative expense	(18,238)	(18,134)	(17,179)	(19,262)	(15,745)
Net change in fiduciary net position	2,150,612	2,255,847	(273,566)	507,462	2,909,062
Fiduciary net position - beginning of year					
Beginning of year (as previously reported)	22,410,350	20,154,503	20,428,069	19,920,607	17,011,545
Restatement due to adoption of GASB75	(2,996)	-	-	-	-
Beginning of year (as restated)	22,407,354	20,154,503	20,428,069	19,920,607	17,011,545
Fiduciary net position - end of year (b)	24,557,966	22,410,350	20,154,503	20,428,069	19,920,607
Net pension liability - end of year (a) - (b)	\$ 4,282,707	\$ 4,993,365	\$ 5,812,778	\$ 2,296,033	\$ 1,770,435
<b>Fiduciary net position as a percentage</b>					
of total pension liability	85.2%	81.8%	77.6%	89.9%	91.8%
Covered payroll	\$ 3,221,544	\$ 3,041,818	\$ 2,836,498	\$ 2,642,752	\$ 2,507,162
Net pension liability as a percentage of covered payroll	132.9%	164.2%	204.9%	86.9%	70.6%



**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Required Supplementary Information – Unaudited (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**Schedule of Employer Contributions**

<b>Year Ended June 30</b>	<b>Actuarially Determined Contributions</b>	<b>Contributions in Relation to Actuarially Determined Contributions</b>	<b>Contribution Deficiency (Excess)</b>	<b>Covered Payroll</b>	<b>Contributions as a Percentage of Covered Payroll</b>
2023	\$ 672,651	\$ 672,651	\$ -	\$ 3,994,117	16.8%
2022	768,463	768,463	-	3,742,459	20.5%
2021	836,559	836,559	-	3,623,898	23.1%
2020	742,985	742,985	-	3,566,991	20.8%
2019	645,056	645,056	-	3,375,447	19.1%
2018	619,067	619,067	-	3,221,544	19.2%
2017	551,809	551,809	-	3,041,818	18.1%
2016	526,805	526,805	-	2,836,498	18.6%
2015	592,643	592,643	-	2,642,752	22.4%
2014	532,882	532,882	-	2,507,162	21.3%

**Schedule of Money-Weighted Rate of Return**

<u>Year Ended June 30</u>	<u>Money-Weighted Rate of Return</u>
2023	5.26%
2022	-6.24%
2021	35.45%
2020	3.86%
2019	8.19%
2018	11.55%
2017	13.52%
2016	0.96%
2015	4.03%
2014	19.10%

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Required Supplementary Information – Unaudited

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**Note to Schedule of Changes in Collective Net Pension Liability and Related Ratios**

The total pension liability contained in the schedule was determined by the Retirement System's actuary, Cheiron, Inc. The collective net pension liability is measured as the total pension liability less the amount of the fiduciary net position of the Retirement System.

A summary of assumptions may be found in Note 10 to the financial statements. A complete description of methods and assumptions may be found in the Retirement System's *GASB 67/68 Report* for the corresponding fiscal years. The discount rates were as follows:

<b>Year Ended June 30</b>	<b>Discount Rate for Total Pension Liability</b>
2023	7.20%
2022	7.20%
2021	7.40%
2020	7.40%
2019	7.40%
2018	7.50%
2017	7.50%
2016	7.50%
2015	7.46%
2014	7.58%

**SAN FRANCISCO CITY AND COUNTY EMPLOYEES' RETIREMENT SYSTEM**

Notes to Required Supplementary Information – Unaudited (Continued)

Years Ended June 30, 2023 and 2022

(Dollar amounts in thousands)

**Note to Schedule of Employer Contributions**

Actuarially determined contribution rates are calculated based on the actuarial valuation one year prior to the beginning of the fiscal year in which contributions are reported. Methods and assumptions used to determine contribution rates are:

<b>Year Ended June 30</b>	<b>Valuation Date</b>	<b>Discount Rate</b>	<b>Salary Increase/ Amortization Growth</b>	<b>Mortality</b>	<b>Significant Changes in Assumptions from Prior Year</b>
2023	7/1/2021	7.20%	3.25%	Adj. 2010 Pub-G and 2010 Pub-S Mortality Tables projected generationally with MP-2019	Discount rate
2022	7/1/2020	7.40%	3.25%		Wage inflation and demographic assumptions including rates of retirement, termination, refund, disability and mortality and salary merit based upon experience study
2021	7/1/2019	7.40%	3.50%	Adj. 2009 CalPERS Mortality Tables projected generationally with mod. MP-2015	None
2020	7/1/2018	7.40%	3.50%		Discount rate
2019	7/1/2017	7.50%	3.50%		Wage inflation assumption
2018	7/1/2016	7.50%	3.75%		None
2017	7/1/2015	7.50%	3.75%		Demographic assumptions including rates of retirement, termination, refund, disability and mortality and salary merit based upon experience study
2016	7/1/2014	7.50%	3.75%	RP2000 Mortality projected with Scale AA	Investment return and wage inflation assumptions
2015	7/1/2013	7.58%	3.83%		None
2014	7/1/2012	7.58%	3.83%		Investment return and wage inflation assumptions

A complete description of the methods and assumptions used to determine contribution rates can be found in the corresponding actuarial valuation reports.