County Employees' and Officers' Annuity and Benefit Fund of Cook County
(A Fiduciary Fund and component unit of Cook County, Illinois)

Financial Statements

December 31, 2023 and 2022

County Employees' and Officers' Annuity and Benefit Fund of Cook County

Financial Statements with Supplementary Information

December 31, 2023 and 2022

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COUNTY EMPLOYEES' AND OFFICERS' ANNUITY AND BENEFIT FUND OF COOK COUNTY

FINANCIAL STATEMENTS WITH SUPPLEMENTARY INFORMATION

DECEMBER 31, 2023 AND 2022

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RSM US LLP

Independent Auditor's Report

To the Board of Trustees of the County Employees' and Officers' Annuity and
Benefit Fund of Cook County

Opinion

We have audited the financial statements of the County Employees' and Officers' Annuity and Benefit Fund of Cook County (the Fund), a component unit of Cook County, Illinois, as of and for the years ended December 31, 2023 and 2022, and the related notes to the financial statements, which collectively comprise the Fund'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 Fund, as of December 31, 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). 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 Fund, and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Financial Statements

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

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Fund's ability to continue as a going concern for 12 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 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, 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 Fund’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 Fund’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 Pension Fund’s Schedule of Changes in the Employer’s Net Pension Liability and Related Ratios, Schedule of Employer Contributions and Related Notes, and Schedule of Investment Returns, the Postemployment Healthcare Fund’s Schedule of Changes in the Employer’s Net Postemployment Healthcare Liability and Related Ratios and the Schedule of Employer Contributions and Related Notes be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic or historical context. We have applied certain limited procedures to the required supplementary information in accordance with 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 audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Supplementary Information

Our audits were conducted for the purpose of forming an opinion on the financial statements that collectively comprise the Fund's basic financial statements. The Schedules of Net Administrative Expenses and Professional and Consulting Fees, Schedules of Investment Expenses, Schedule of Additions by Source, Schedule of Deductions by Type, and the Schedule of Employer Contributions Receivable are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with GAAS. In our opinion, the Schedules of Net Administrative Expenses and Professional and Consulting Fees, Schedules of Investment Expenses, Schedule of Additions by Source, Schedule of Deductions by Type, and the Schedule of Employer Contributions Receivable are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

RSM US LLP

Chicago, Illinois
June 6, 2024

COUNTY EMPLOYEES' AND OFFICERS' ANNUITY AND BENEFIT FUND OF COOK COUNTY

MANAGEMENT'S DISCUSSION AND ANALYSIS (UNAUDITED)

This section presents Management's Discussion and Analysis of the financial position and performance of the County Employees' and Officers' Annuity and Benefit Fund of Cook County (the Fund or the Plan) for the years ended December 31, 2023 and 2022. This discussion is presented as an overview of the financial activities of the Fund and should be read in conjunction with the Fund's financial statements.

Overview of the Basic Financial Statements

The following discussion and analysis is intended to serve as an introduction to the Fund's basic financial statements. The financial statements are prepared on an economic sources focus and accrual basis of accounting in accordance with Governmental Accounting Standards Board (GASB) pronouncements. The basic components of the financial package are described below:

> **Statements of Fiduciary Net Position** provides a snapshot of account balances and net position held in trust for future benefit payments and any liabilities as of the Fund's year-end. Over time increases and decreases in net position may serve as a useful indicator of whether the financial position of the Fund is improving or deteriorating.
>
> **Statement of Changes in Fiduciary Net Position** shows the revenues (additions) and expenses (deductions) during the year, where additions less deductions equal net increase (decrease) in net position. The net increase (decrease) in net position reports the change in net position during the year.
>
> **Notes to the Financial Statements** provide additional information that is essential to achieving a better understanding of the data provided in the basic financial statements.
>
> **Required Supplementary Information** provides schedules and related notes concerning actuarial information, funding progress, employer contributions and investment returns.
>
> **Supplementary Information** includes schedules of net administrative expenses, professional and consulting fees, investment expenses, additions by source, and deductions by type and employer contributions receivable.

Financial Highlights

Net position increased by $935,446,979 or 7.8% from $12,018,729,828 at December 31, 2023. Comparatively, net position decreased by $2,262,797,734 or 15.8% from $14,281,527,562 at December 31, 2021 to $12,018,729,828 at December 31, 2022. The increase in net position for 2023 was primarily due to the increase in fair value of investment. The decrease in net position for 2022 was primarily due to the decrease in the fair value of investments.

Rate of return of the Fund's investment portfolio was a gain of 12.28% (benchmark 12.72%) for 2023, a loss of 12.90% (benchmark loss of 12.53%) for 2022, a gain of 17.15% (benchmark 14.67%) for 2021.

Funded ratio for the Fund, based on the actuarial value of assets, was 65.90% in 2023, 66.46% in 2022, and 67.16% in 2021.

Net Position

The condensed Statement of Fiduciary Net Position reflects the resources available to pay benefits to members. A summary of the Statements of Fiduciary Net Position is as follows:

Fiduciary Net Position
As of December 31,

				Current Year Increase (Decrease) in	
	2023	2022	2021	Dollars	Percent
Total assets	$ 14,145,423,546	$ 13,233,597,770	$ 15,382,692,833	$ 911,825,776	6.9%
Total liabilities	1,191,246,739	1,214,867,942	1,101,165,271	(23,621,203)	-1.9%
Net position	$ 12,954,176,807	$ 12,018,729,828	$ 14,281,527,562	$ 935,446,979	7.8%

Total receivables decreased to $453,730,736 in 2023 from $462,713,628 in 2022 and were $400,434,172 in 2021. The decrease in 2023 was a result of partial tax levy contribution payment, increased employer contribution allowance, and healthcare rebate payment received during the year. The increase in 2022 was the result of outstanding amount from employer tax levy contribution, increased earned investment income not yet paid, increased investment securities sold but not settled, and federal tax withholding refund due at year-end. The amounts owed were received in the subsequent year.

Total investments increased to $12,678,026,190 in 2023 from $11,789,033,349 in 2022 and were $14,188,869,915 in 2021. The increase in 2023 was due to fair value increase in equities, fixed income (U.S government and government agency obligations and commingled fixed income), exchange traded funds, and short-term investments. The decrease in 2022 was due to market value decreases in equities, fixed income (corporate and foreign government obligations and commingled fixed income) securities, private equities, and short-term investments. In addition, the Fund reallocated its exposure to private global fixed fund investment vehicle to short term fixed income to rebalance the portfolio. The increase in 2021 was due to market value increases in equities, fixed income (U.S. government and government agency obligations, and corporate and foreign government obligations) securities, exchange traded funds, private equities, hedge funds, real estate funds, and short-term investments.

Total liabilities decreased to $1,191,246,739 in 2023 from $1,214,867,942 in 2022 and were $1,101,165,271 in 2021. The decrease in 2023 was due to less unsettled investment securities purchased and decreased healthcare rebate due to Forest Preserve Fund at year-end. The increase in 2022 was due to increased securities lending collateral.

Changes in Net Position

The condensed Statement of Changes in Fiduciary Net Position reflects the changes in the resources available to pay benefits to members. A summary of the Statement of Changes in Fiduciary Net Position is as follows:

Changes in Fiduciary Net Position
For the Years Ended December 31,

				Current Year Increase/(Decrease) in	
	2023	2022	2021	Dollars	Percent
Additions:					
Employer contributions	$ 472,739,426	$ 525,233,835	$ 541,300,175	$ (52,494,409)	-10.0%
Employee contributions	148,019,071	136,293,311	133,368,302	11,725,760	8.6%
Net investment income/(loss) (includes security lending activities)	1,428,290,720	(1,867,355,079)	1,960,919,641	3,295,645,799	-176.5%
Other	48,850,696	42,907,044	39,562,675	5,943,652	13.9%
Total additions	2,097,899,913	(1,162,920,889)	2,675,150,793	3,260,820,802	-280.4%
Deductions:					
Benefits	1,120,530,701	1,061,568,488	1,001,104,106	58,962,213	5.6%
Refunds and death benefit	37,052,977	33,588,190	36,979,751	3,464,787	10.3%
Employee transfers to (from) the Forest Preserve Fund	-	-	42,007	-	0%
Administrative expenses	4,869,256	4,720,167	5,107,805	149,089	3.2%
Total deductions	1,162,452,934	1,099,876,845	1,043,233,669	62,576,089	5.7%
Net increase (decrease)	935,446,979	(2,262,797,734)	1,631,917,124	3,198,244,713	-141.3%
Net position					
Beginning of year	12,018,729,828	14,281,527,562	12,649,610,438	(2,262,797,734)	-15.8%
End of year	$ 12,954,176,807	$ 12,018,729,828	$ 14,281,527,562	$ 935,446,979	7.8%

Additions to Net Position

Total additions were $2,097,899,913 in 2023, ($1,162,920,889) in 2022, and $2,675,150,793 in 2021.

Employer contributions decreased to $472,739,426 in 2023 from $525,233,835 in 2022. Comparatively, employer contributions decreased to $525,233,835 in 2022 from $541,300,175 in 2021. Employer contributions are statutorily set at 1.54 times employee contributions collected two years prior. The County made supplemental contributions of $267,690,964 in 2023, $322,199,712 in 2022, and $339,961,760 in 2021.

Employee contributions, including permissive service credit purchases, increased to $148,019,071 in 2023 from $136,293,311 in 2022. Comparatively, employer contribution increased to $136,293,311 in 2022 from $133,368,302 in 2021. Employees are required to contribute 8.5% (9% for sheriffs) of their pensionable salary to the Fund.

Net investment income totaled $1,428,290,720 for 2023 compared to net investment loss ($1,867,355,079) for 2022 and net investment income of $1,960,919,641 in 2021. Investment earnings fluctuate primarily from the overall performance of the financial markets from year to year.

Deductions to Net Position

Total deductions were $1,162,452,934 in 2023, $1,099,876,845 in 2022, and $1,043,233,669 in 2021.

Benefits increased to $1,120,530,701 in 2023 from $1,061,568,488 in 2022, and from $1,001,104,106 in 2021 due primarily to the 3% annual cost of living increases for annuitants and an increase in the number of retirees.

Refunds increased to $37,052,977 from $33,588,190 in 2022. Comparatively, refunds decreased to $33,588,190 in 2022 from $36,979,751 in 2021. These changes are due to fluctuations in refund applications.

Employee transfers to (from) the Cook County Fund resulted from Forest Preserve District employees transferring employment to or (from) Cook County. The accumulated contributions and the accrued pension benefit obligation are transferred between the Forest Preserve Fund and the Cook County Fund.

The cost to administer the Fund increased to $4,869,256 in 2023 from $4,720,167 in 2022. Comparatively, the cost to administer the Fund decreased to $4,720,167 in 2022 from $5,107,805 in 2021.

Actuarial Information

Pension Benefits

Under GASB Statement No. 67, *Financial Reporting for Pension Plans*, the Fund's funding for pension benefits is as follows:

Funding for Pension Benefits
For the Years Ended December 31,

	2023	2022	2021
Total pension liability	$ 19,606,391,059	$ 24,850,806,602	$ 25,118,790,453
Plan fiduciary net position	12,954,176,807	12,018,729,828	14,281,527,562
Employer's net pension liability	$ 6,652,214,252	$ 12,832,076,774	$ 10,837,262,891
Plan fiduciary net position as a percentage of the total pension liability	66.07%	48.36%	56.86%

Postemployment Healthcare Benefits

Under GASB Statement No. 74, *Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans*, the Fund's funding for postemployment healthcare benefits is as follows:

Funding for Healthcare Benefits
For the Years Ended December 31,

	2023	2022	2021
Total other postemployment benefits liability	$ 1,800,127,404	$ 1,661,200,170	$ 1,978,062,391
Plan fiduciary net position	-	-	-
Employer's net other postemployment benefits liability	$ 1,800,127,404	$ 1,661,200,170	$ 1,978,062,391

Contributions for postemployment healthcare benefits are made on a "pay-as-you-go" basis, resulting in a 0.00% funded ratio.

Actuarial Information (continued)

Combined

The Fund actuary has performed a combined valuation of the pension and postemployment healthcare benefits provided by the Fund to measure the overall funded status and contribution requirements of the Fund. Such a valuation is required under Chapter 40, Article 5/9-199 of the Illinois Pension Code which provides that the Fund shall submit a report each year containing a detailed statement of the affairs of the Fund, its income and expenditures, and assets and liabilities. The combined valuation reflects the actuarial assumptions adopted by the Board based on the results of an actuarial experience study. These assumptions conform to the actuarial standards recommended by the Fund's actuary and were used by the Fund's actuary to present the combined funding status in accordance with Section 9-199. The Fund's funding under the combined actuarial valuation is as follows:

Funding for Combined Pension and Postemployment Healthcare Benefits For the Years Ended December 31,

	2023	2022	2021
Unfunded actuarial accrued liability	$ 7,054,080,807	$ 6,650,235,845	$ 6,268,859,053
Funded ratio	65.90%	66.46%	67.16%

Contact Information

This financial report is designed to provide the employer, plan participants and others with a general overview of the Fund's finances and show accountability for money it receives. Questions concerning any data provided in the report or requests for additional information should be addressed to:

County Employees' and Officers' Annuity
and Benefit Fund of Cook County
Attention: Executive Director
70 West Madison Street
Suite 1925
Chicago, Illinois 60602

County Employees' and Officers' Annuity and Benefit Fund of Cook County

Statements of Fiduciary Net Position

December 31, 2023 and 2022

	2023			2022		
	Total	Pension	Postemployment Healthcare	Total	Pension	Postemployment Healthcare
Assets						
Receivables						
Employer contributions less allowance of $9,039,358 in 2023 and $7,703,181 in 2022	$ 191,794,566	$ 191,794,566	$ -	$ 223,937,034	$ 223,937,034	$ -
Employee contributions	7,224,885	7,224,885		902,675	902,675	-
Accrued investment income	45,091,877	45,091,877	-	42,949,437	42,949,437	-
Receivable for securities sold	196,233,537	196,233,537	-	181,279,930	181,279,930	-
EGWP/Medicare Part D subsidy & other	11,944,871	1,622,195	10,322,676	12,121,755	1,358,575	10,763,180
Prescription rebates	-	-	-	54,580	-	54,580
Impresst balance receivable	1,441,000	-	1,441,000	1,441,000	-	1,441,000
Other	-	-	-	27,217	27,217	-
Total receivables	453,730,736	441,967,060	11,763,676	462,713,628	450,454,868	12,258,760
Investments						
U.S. and international equities	7,117,637,028	7,117,637,028	-	6,034,643,952	6,034,643,952	-
U.S. Government and government agency obligations	1,649,989,708	1,649,989,708	-	1,469,836,010	1,469,836,010	-
Corporate and foreign government obligations	1,110,072,799	1,110,072,799	-	1,124,132,728	1,124,132,728	-
Collective international equity fund	101,495,428	101,495,428	-	83,714,867	83,714,867	-
Commingled fixed income fund	32,171,560	32,171,560	-	31,396,051	31,396,051	-
Exchange traded funds	13,677,872	13,677,872	-	13,203,898	13,203,898	-
Private equities	837,679,016	837,679,016	-	873,806,502	873,806,502	-
Hedge funds	552,675,594	552,675,594	-	803,501,480	803,501,480	-
Real estate funds	971,442,071	971,442,071	-	1,120,026,750	1,120,026,750	-
Short-term investment	291,185,114	291,185,114	-	234,771,111	234,771,111	-
Total investments	12,678,026,190	12,678,026,190	-	11,789,033,349	11,789,033,349	-
Collateral held for securities on loan	1,013,666,620	1,013,666,620	-	981,850,793	981,850,793	-
Total assets	14,145,423,546	14,133,659,870	11,763,676	13,233,597,770	13,221,339,010	12,258,760
Liabilities						
Accounts payable	10,302,447	10,302,447	-	7,352,658	7,352,658	-
Healthcare & other benefits payable	11,763,676	-	11,763,676	11,704,639	-	11,704,639
Due to Forest Preserve District Employees' Annuity and Benefit Fund of Cook County	224,734	224,734	-	554,121	-	554,121
Payable for securities purchased	155,289,262	155,289,262	-	213,405,731	213,405,731	-
Securities lending collateral	1,013,666,620	1,013,666,620	-	981,850,793	981,850,793	-
Total liabilities	1,191,246,739	1,179,483,063	11,763,676	1,214,867,942	1,202,609,182	12,258,760
Net position						
Net position restricted for pensions	12,954,176,807	12,954,176,807	-	12,018,729,828	12,018,729,828	-
Net position held in trust for postemployment healthcare benefits	-	-	-	-	-	-
Total	$ 12,954,176,807	$ 12,954,176,807	$ -	$ 12,018,729,828	$ 12,018,729,828	$ -

See the accompanying notes to the financial statements

County Employees' and Officers' Annuity
and Benefit Fund of Cook County

Statements of Changes in Fiduciary Net Position

Years Ended December 31, 2023 and 2022

	2023			2022		
	Total	Pension	Postemployment Healthcare	Total	Pension	Postemployment Healthcare
Additions						
Employer contributions						
Statutory	$ 205,048,462	$ 205,048,462	$ -	$ 203,034,123	$ 203,034,123	$ -
Supplemental	267,690,964	267,690,964	-	322,199,712	322,199,712	-
Allocation to postemployment healthcare	-	(47,198,611)	47,198,611	-	(44,292,643)	44,292,643
Total employer contributions	472,739,426	425,540,815	47,198,611	525,233,835	480,941,192	44,292,643
Employee contributions						
Salary deductions	141,821,505	141,821,505	-	131,007,071	131,007,071	-
Refund repayments	2,390,580	2,390,580	-	2,295,608	2,295,608	-
Former and miscellaneous service payments	1,336,896	1,336,896	-	637,291	637,291	-
Optional payments and deductions	63,684	63,684	-	70,054	70,054	-
Deductions in lieu of disability	2,406,406	2,406,406	-	2,283,287	2,283,287	-
Total employee contributions	148,019,071	148,019,071	-	136,293,311	136,293,311	-
Investment income						
Net appreciation/(depreciation) in fair value of investments	1,215,352,465	1,215,352,465	-	(2,054,246,372)	(2,054,246,372)	-
Dividends	137,370,928	137,370,928	-	134,247,618	134,247,618	-
Interest	110,696,332	110,696,332	-	91,068,296	91,068,296	-
	1,463,419,725	1,463,419,725	-	(1,828,930,458)	(1,828,930,458)	-
Less investment expenses	(39,526,189)	(39,526,189)	-	(40,766,793)	(40,766,793)	-
Net investment income	1,423,893,536	1,423,893,536	-	(1,869,697,251)	(1,869,697,251)	-
Securities lending						
Income	5,286,363	5,286,363	-	2,869,802	2,869,802	-
Expenses	(889,179)	(889,179)	-	(527,630)	(527,630)	-
Net securities lending income	4,397,184	4,397,184	-	2,342,172	2,342,172	-
Other						
Employer federal subsidized programs	4,646,252	4,646,252	-	4,720,315	4,720,315	-
EGWP/Medicare Part D subsidy	37,905,477	-	37,905,477	33,094,734	-	33,094,734
Prescription plan rebates	5,579,226	-	5,579,226	4,865,829	-	4,865,829
Employee transfer from Forest Preserve District Employees' Annuity and Benefit Fund of Cook County	60,732	60,732	-	8,533	8,533	-
Miscellaneous	659,009	659,009	-	217,633	217,633	-
Total other additions	48,850,696	5,365,993	43,484,703	42,907,044	4,946,481	37,960,563
Total additions	$ 2,097,899,913	$ 2,007,216,599	$ 90,683,314	$ (1,162,920,889)	$ (1,245,174,095)	$ 82,253,206

(Continued)

County Employees' and Officers' Annuity and Benefit Fund of Cook County

Statements of Changes in Fiduciary Net Position (Continued)

Years Ended December 31, 2023 and 2022

	2023			2022		
	Total	Pension	Postemployment Healthcare	Total	Pension	Postemployment Healthcare
Deductions						
Benefits						
Annuity						
Employee	$ 938,356,485	$ 938,356,485	$ -	$ 892,501,083	$ 892,501,083	$ -
Spouse and children	79,671,785	79,671,785	-	74,497,309	74,497,309	-
Disability						
Ordinary	10,889,753	10,889,753	-	11,637,363	11,637,363	-
Duty	929,364	929,364	-	679,527	679,527	-
Healthcare less annuitant contributions of $51,120,387 in 2023 and $51,740,499 in 2022	90,683,314	-	90,683,314	82,253,206	-	82,253,206
Total benefits	1,120,530,701	1,029,847,387	90,683,314	1,061,568,488	979,315,282	82,253,206
Refunds and death benefit	37,052,977	37,052,977	-	33,588,190	33,588,190	
Employee transfer to Forest Preserve District Employees' Annuity and Benefit Fund of Cook County	-	-	-	-	-	-
Net administrative expenses	4,869,256	4,869,256	-	4,720,167	4,720,167	-
Total deductions	1,162,452,934	1,071,769,620	90,683,314	1,099,876,845	1,017,623,639	82,253,206
Net increase/(decrease)	935,446,979	935,446,979	-	(2,262,797,734)	(2,262,797,734)	-
Net position						
Beginning of year	12,018,729,828	12,018,729,828	-	14,281,527,562	14,281,527,562	-
End of year	$ 12,954,176,807	$ 12,954,176,807	$ -	$ 12,018,729,828	$ 12,018,729,828	$ -

See the accompanying notes to the financial statements

NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

County Employees' and Officers' Annuity and Benefit Fund of Cook County (the Fund or Plan) is administered in accordance with Chapter 40, Article 5/9 of the Illinois Compiled Statutes (the Statutes).

Financial Reporting Entity - Accounting principles generally accepted in the United States of America define a financial reporting entity as consisting of the primary government and its component units for which the primary government is financially accountable. Financial accountability includes appointing a voting majority of a component unit's governing board, the ability of a primary government to impose its will on the component unit, or a potential for a component unit to provide specific financial benefits to or impose specific financial burdens on the primary government. The Fund has determined that no other outside entity meets the above criteria and, therefore, no other entity has been included as a component unit in the Fund's financial statements.

Based on the above criteria, the Fund is considered to be a fiduciary component unit of Cook County, Illinois (the County) and is included in the County's financial statements.

Method of Accounting - The financial statements are prepared using the accrual basis of accounting. Employer contributions are recognized as income pursuant to legal requirements as specified by the Illinois Compiled Statutes. Employee contributions are recognized in the period in which the contributions are due. Benefits and refunds are recognized when due and payable in accordance with the terms of the Fund.

Investments - Investments are reported at fair value, which generally represents reported market value as of the last business day of the year. Where less than an entire investment holding is sold, average value is used to determine realized gain or loss. Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation (depreciation) in fair value of investments includes gains and losses on investments bought and sold, as well as held during the year. For details on the fair value measurements by asset type, refer to Note 8. Additionally, certain investments use net asset value (NAV) per share or it equivalent to estimate fair value. These investments (generally identified as alternative investment funds consist of private partnerships, private equity funds, hedge funds, real estate funds and certain other commingled investment funds are generally private investments that do not have a readily determinable fair value based on market inputs.

Allocated Expenses - Administrative expenses are initially paid by the Fund. These expenses are allocated between the Fund and the Forest Preserve District Employees' Annuity and Benefit Fund of Cook County (the Forest Fund) on a pro rata basis, as applicable.

NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

Capital Assets - The Fund has set a capitalization threshold of $100,000 for all capital asset types. As of December 31, 2023 and 2022, the Fund does not have any capital assets.

Estimates - The preparation of the financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect certain reported amounts and disclosures in the financial statements. Actual results could differ from those estimates.

Subsequent Events - Subsequent events have been evaluated through the auditor's report date, which is the date the financial statements were available to be issued.

NOTE 2. PLAN DESCRIPTION

The Fund was established on January 1, 1926, and is governed by legislation contained in the Illinois Compiled Statutes (the Statutes), particularly Chapter 40, Articles 5/1; 5/9 and 5/20. Effective with the signing of Public Act 96-0889 into law on April 14, 2010, participants that first became contributors on or after January 1, 2011 are Tier 2 participants. All other participants that were contributing prior to January 1, 2011 are Tier 1 participants. The pension plan provisions can be amended only by the Illinois Legislature. The pension plan is a single employer defined benefit pension plan with a defined contribution minimum. The pension plan was established for the purpose of providing retirement, death and disability benefits for full-time employees of the County and the eligible dependents of such employees.

The Statutes authorize a Board of Trustees (the Board) of nine members to carry out the provisions of the Article. According to the Article, two members of the Board are ex officio, four are elected by the employee members of the Fund and three are elected by the annuitants of the Fund. The two ex officio members are the Comptroller of Cook County, or someone chosen by the Comptroller, and the Treasurer of Cook County, or someone chosen by the Treasurer. All members of the Board are fiduciaries with respect to the Fund and are statutorily mandated to discharge their duties, as such, solely in the interest of the Fund's participants and beneficiaries.

The Board has the powers and duties required in the Article to collect all contributions due to the Fund, to invest the Fund's reserves, to have an annual audit, to appoint employees, to authorize or suspend payment of any benefit and to have exclusive original jurisdiction in all matters relating to or affecting the Fund. The Board approves its own budget which is prepared by the administrative staff of the Fund. The Board is required annually to submit to the County Board of Cook County a detailed report of the financial affairs and status of the Fund. Provisions in other articles of Chapter 40 require the Board to submit its annual audit and actuarial valuation reports to the State of Illinois Department of Insurance, as well as another detailed annual report, the form and content of which is specified by the Department of Insurance.

NOTE 2. PLAN DESCRIPTION (CONTINUED)

Covered employees are required to contribute 8.5% (9% for sheriffs) of their salary to the Fund, subject to the salary limitations for Tier 2 participants in Article 5/1-160. If an employee leaves covered employment without qualifying for an annuity, accumulated contributions are refunded with interest (3% or 4% depending on when the employee became a participant). The County's total contribution is the amount of contributions made by the employees to the Fund in the calendar year two years prior to the year for which annual applicable tax is levied, multiplied by 1.54. The source of funds for the County's contributions has been designated by State Statute as the County's annual property tax levy.

The Fund provides retirement as well as death and disability benefits. Tier 1 employees age 50 or older and Tier 2 employees age 62 or older are entitled to receive a minimum formula annuity of 2.4% for each year of credited service if they have at least 10 years of service. The maximum benefit is 80% of the final average monthly salary. For Tier 1 employees under age 60 and Tier 2 employees under age 67, the monthly retirement benefit is reduced by ½% for each month the participant is below that age. The reduction is waived for Tier 1 participants having 30 or more years of credited service.

Participants should refer to the applicable Articles for more complete information.

At December 31, 2023 and 2022, participants consisted of the following:

	2023	2022
Active members	18,686	18,107
Retired members	17,466	17,163
Beneficiaries	3,038	2,975
Inactive members	18,296	18,019
Total	57,486	56,264

NOTE 3. EMPLOYER'S PENSION LIABILITY

Net Pension Liability

The components of the employer's net pension liability of the Fund for the years ended December 31, 2023 and 2022 are as follows:

	2023	2022
Total pension liability	$ 19,606,391,059	$ 24,850,806,602
Plan fiduciary net position	12,954,176,807	12,018,729,828
Employer's net pension liability	$ 6,652,214,252	$ 12,832,076,774
Plan fiduciary net position as a percentage of the total pension liability	66.07%	48.36%

Refer to the schedule of changes in the employer's net pension liability and related ratios in the required supplementary information for additional information related to the funded status of the Fund.

The net pension liability was determined by actuarial valuations performed as of December 31, 2023 and 2022 using the following actuarial methods and assumptions:

Actuarial valuation dates	December 31, 2023 and 2022
Actuarial cost method	Entry Age Normal
Actuarial assumptions:	
Inflation	2.50% per year, compounded annually
Salary increases	3.00% to 5.00%, based on service
Investment rate of return	7.00% per year, compounded annually
Retirement age	Rates of retirement for each age from 50 to 80 based on recent experience of the Plan where all employees are assumed to retire by age 80
Mortality	Pub-2010 amount-weighted tables projected from 2010 using generational improvement with Scale MP-2021
Postretirement annuity increase	Tier 1 participants - 3.0% compounded annually Tier 2 participants - the lesser of 3.0% or one half of the increase in the Consumer Price Index

NOTE 3. EMPLOYER'S PENSION LIABILITY (CONTINUED)

Discount Rate

The discount rate used to measure the total pension liability at December 31, 2023 and 2022 was 7.00% and 4.63%, respectively. The significant increase in the discount rate is due to the amended funding policy pursuant to Public Act 103-0529, effective August 11, 2023, which increases the annual contribution to the Fund for payment years 2024 through 2047 determined on actuarial basis. The projection of cash flows used to determine the discount rate assumed that contributions will follow the amended funding policy, which is the sum of the projected normal cost, projected unfunded actuarial accrued liability amortization payment, projected expense, and interest to adjust for payment pattern less projected employee contributions for the fiscal year. The minimum required employer contribution is based on the entry-age normal cost method, a 5-year smoothed actuarial value of assets, and a 30-year layered amortization of unfunded actuarial accrued liability with payments increasing 2% per year. Based on this assumption, the Fund's fiduciary net position was projected to be sufficient to make all projected future benefit payments of current fund members. As a result, the single discount rate is equal to the long-term expected rate of return, 7.00%.

At December 31, 2022, the projection of cash flows used to determine the discount rate assumed that contributions would continue based on the previous statutory funding policy. Based on this assumption, the Fund's fiduciary net position was projected to be insufficient to make projected future benefit payments to plan members at that time. A municipal bond rate of 3.65% and long-term investment rate of 7.00% were used in the development of the blended discount rate. The municipal bond rates are based on the S&P Municipal Bond 20 Year High Grade Rate Index. As a result, the long-term rate of return of 7.00% was applied to projected benefit payments through 2042. Based on the long-term rate of return of 7.00% and municipal bond rate of 3.65% at December 31, 2022, the blended discount rate was 4.63% at December 31, 2022.

Sensitivity of the Net Pension Liability to Changes in the Discount Rate

The following is an analysis of the net pension liability's sensitivity to changes in the discount rate at December 31, 2023 and 2022. The following table presents the net pension liability of the employer using the blended discount rate as well as the employer's net pension liability calculated using a discount rate 1% lower and 1% higher than the current discount rate:

	1% Decrease 6.00%	12/31/2023 7.00%	1% Increase 8.00%
Net Pension Liability - December 31, 2023	$ 9,090,419,881	$ 6,652,214,252	$ 4,623,518,279
	1% Decrease 3.63%	12/31/2022 4.63%	1% Increase 5.63%
Net Pension Liability - December 31, 2022	$ 16,529,465,255	$ 12,832,076,774	$ 9,818,360,298

NOTE 4. SUMMARY OF EMPLOYER FUNDING POLICIES

Statutory Funding

Employer contributions are funded primarily through a tax levied by Cook County, Illinois. The employer contributions to be remitted to the Fund are equal to the total contributions made by the employees to the Fund in the calendar year two years prior, multiplied by 1.54.

Pursuant to Public Act 103-0529, effective August 11, 2023, the funding policy was amended to increase the annual contribution to the County for payment years 2024 through 2047 (continuing with a non-statutory "IGA" plan originally begun in 2017). The County's required annual contribution, determined on an actuarial basis, is the sum of the projected normal cost, projected unfunded actuarial accrued liability amortization payment, projected expense, and interest to adjust for payment pattern less projected employee contributions for the fiscal year. The minimum required employer contribution is based on the entry-age normal cost method, a 5-year smoothed actuarial value of assets, and a 30-year layered amortization of unfunded actuarial accrued liability with payments increasing 2% per year. This funding mechanism is sufficient to meet the needs of the Fund. It is projected that the initial unfunded pension liabilities established with the non-statutory "IGA" plan originally begun in 2017, will be fully funded by 2047. Subsequent unfunded liabilities, which are small in comparison, are expected to be fully funded in 30 years from establishment.

Supplemental Funding

Per the 2023 IGA (Intergovernmental Agreement), the County is required to make supplemental payments totaling $291,690,964 by November 30, 2023, to promote the long-term fiscal sustainability of the Fund. During the year ended December 31, 2023, the County made supplemental contributions to the Fund totaling $267,690,964.

Per the 2022 IGA (Intergovernmental Agreement), the County is required to make supplemental payments totaling $324,199,712 by November 30, 2022, to promote the long-term fiscal sustainability of the Fund. During the year ended December 31, 2022, the County made supplemental contributions to the Fund totaling $322,199,712, which includes $24,000,000 paid on December 31, 2022, pertaining to the 2023 IGA.

NOTE 5. INVESTMENTS

Investment Policy

The Board of Trustees is responsible for establishing reasonable and consistent investment objectives, policies, and guidelines governing the investment of Fund assets in accordance with the Illinois Compiled Statutes. The Fund is authorized to invest in bonds, notes, certificates of indebtedness, mortgage notes, real estate, stocks, shares, debentures, or other obligations or securities as set forth in the "prudent person" provisions of the state statutes. All of the Fund's financial instruments are consistent with the permissible investments outlined in the state statutes and any index-linked financial instruments are limited to those indices that replicate the permissible investments outlined in the State Statutes. The investment policy was updated to conform with new legislation (PA 1001-473), also known as Sustainable Investing Principles Act.

The Fund's investment policy in accordance with the Statutes establishes the following target allocation across asset classes for the years ended December 31, 2023 and 2022:

	2023		2022	
Asset Class	Target Allocation %	Long-term Expected Real Rate of Return	Target Allocation %	Long-term Expected Real Rate of Return
Domestic equities	32.00%	5.55%	33.00%	5.40%
International equities	20.00%	5.55%	21.00%	5.65%
Fixed income	26.00%	4.70%	26.00%	3.55%
Private Credit	2.00%	5.05%	0.00%	0.00%
Real estate funds	9.00%	4.15%	9.00%	4.00%
Private Infrastructure	2.00%	4.50%	0.00%	0.00%
Private equity	5.00%	6.65%	4.00%	6.65%
Hedge funds	3.00%	3.70%	6.00%	3.15%
Short-term investment	1.00%	0.65%	1.00%	0.35%
Total investments	100.00%		100.00%	

NOTE 5. INVESTMENTS (CONTINUED)

Long-Term Expected Real Rate of Return

The long-term expected real rates of return are the nominal expected returns for various asset classes net of the long-term inflation assumption of 2.35% (2.50% for 2022). The nominal expected return is expressed as the annualized growth rate over 30 years (i.e., geometric or compounded return). A building block methodology is employed to develop long-term return expectations. Building block includes a long-term estimate of the short-term real rate, inflation, term premium, credit premium, and equity risk premium among others. Current economic conditions (inflation, yields, valuation) serve as a starting point for development; however, over a 30-year horizon, risk premiums are largely influenced by long-term history. The 30-year geometric long-term expected real rate of return for each major asset class included with the Fund's target asset allocation as of December 31, 2023 and 2022 are listed in the table above.

Annual Money-Weighted Rate of Return

The annual money-weighted rate of return on pension plan investments, net of pension plan investment expense, was 12.27% and -13.01% for the years ended December 31, 2023 and 2022, respectively. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

Custodial Credit Risk – Deposits

Custodial credit risk for deposits is the risk that, in the event of the failure of a depository financial institution, a government will not be able to cover deposits or will not be able to recover collateral securities that are in the possession of an outside party. The fund does not have uncollateralized cash balances as of December 31, 2023.

Custodial Credit Risk – Investments

Custodial credit risk for investments is the risk that, in the event of failure of the counterparty to a transaction, a government will not be able to recover the value of investment or collateral securities that are in the possession of an outside party. None of the Fund's investments are exposed to custodial credit risk as they are held by the custodian in the name of the Fund as of December 31, 2023.

Concentration of Credit Risk

Concentration of credit risk is the risk of loss attributed to the magnitude of a government's investment in a single issuer. The Fund did not have any issuer investment that exceeded 5% of the total investments of the fund as of December 31, 2023.

NOTE 5. INVESTMENTS (CONTINUED)

Credit Risk

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The Fund's investment policy is an average credit quality for each manager's total fixed income portfolio (Corporate and U.S. Government holdings) of not less than A- by two out of three credit agencies (Moody's Investors Service, Standard & Poor's and/or Fitch). The following table presents a summarization of the Fund's credit quality ratings of investments at December 31, 2023 and 2022 valued by Moody's Investors Service:

Type of Investment	Rating	2023	2022
U.S. Government and government agency obligations	Aaa	$ 1,598,700,826	$ 1,425,384,223
	Aa	5,587,342	5,111,614
	A	1,613,236	1,391,238
	Baa	-	287,922
	Not Rated	44,088,304	37,661,013
		$ 1,649,989,708	$ 1,469,836,010
Corporate and foreign government obligations	Aaa	$ 121,384,685	$ 118,570,471
	Aa	37,456,023	32,733,557
	A	280,377,840	253,755,586
	Baa	384,717,110	404,651,813
	Ba	54,359,277	57,699,989
	B	26,777,690	31,958,547
	Caa	1,951,863	2,815,732
	Ca	1,855,553	604,350
	Not Rated	201,192,758	221,342,683
		$ 1,110,072,799	$ 1,124,132,728
Commingled fixed income fund	Not Rated	$ 32,171,560	$ 31,396,051
Short-term investment	Not Rated	$ 291,185,114	$ 234,771,111

NOTE 5. INVESTMENTS (CONTINUED)

Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. Investments with longer maturities are subject to increased risk of adverse interest rate changes. In an effort to mitigate this risk, the Fund's investment policy states that the duration for each manager's total fixed income portfolio shall not exceed 30% of the duration of its respective fixed income performance benchmark (*Bloomberg Barclays US Aggregate Fixed Income Index, Bloomberg Barclays US 1-3 Year Government/Credit Index,* which was 6.24 years at December 31, 2023 and 6.17 years at December 31, 2022). The following table presents a summarization of the Fund's debt investments at December 31, 2023 and 2022, using the segmented time distribution method:

Type of Investment	Maturity	2023	2022
U.S. Government and government agency obligations	Less than 1 year	$ 2,975,938	$ 4,729,058
	1 - 5 years	434,936,951	424,703,461
	5 - 10 years	240,524,901	224,591,677
	Over 10 years	971,551,918	815,811,814
		$ 1,649,989,708	$ 1,469,836,010
Corporate and foreign government obligations	Less than 1 year	$ 4,560,434	$ 7,227,931
	1 - 5 years	312,409,821	304,843,100
	5 - 10 years	320,087,688	330,024,433
	Over 10 years	473,014,856	482,037,264
		$ 1,110,072,799	$ 1,124,132,728
Commingled fixed income fund	1 - 5 years	$ 32,171,560	$ 31,396,051
Short-term investment	Less than 1 year	$ 291,185,114	$ 234,771,111

NOTE 5. INVESTMENTS (CONTINUED)

Foreign Currency Risk

Foreign currency risk is the risk that changes in exchange rates will adversely affect the fair value of an investment or a deposit. The Fund's exposure to foreign currency risk at December 31, 2023 and 2022 is as follows:

Type of Investment	Fair Value (USD) 2023	Fair Value (USD) 2022
U.S. and international equities		
Australian dollar	$ 76,603,361	$ 65,117,568
Brazil real	41,481,772	37,249,892
British pound sterling	279,837,682	231,144,283
Canadian dollar	145,904,708	139,161,910
Chilean peso	3,681,708	2,738,694
Danish krone	75,626,645	48,383,481
Egyptian Pound	690,653	-
European euro	589,240,947	532,700,996
Hong Kong dollar	156,053,643	166,570,756
Hungarian forint	1,263,157	909,405
Indian rupee	47,615,545	28,915,161
Indonesian rupiah	13,421,978	10,724,462
Israeli shekel	17,453,699	16,141,808
Japanese yen	361,493,622	287,351,142
Malaysian ringgit	4,907,535	5,726,134
Mexican peso	18,184,068	13,654,439
New Taiwan dollar	93,565,236	69,559,175
New Zealand dollar	3,369,592	2,174,387
Norwegian krone	13,978,881	14,390,009
Philippines peso	11,622,676	7,956,815
Polish zloty	3,364,655	2,298,328
Singapore dollar	32,363,591	29,724,202
South African rand	17,083,052	15,688,301
South Korean won	89,963,607	65,224,774
Swedish krona	67,960,097	49,745,916
Swiss franc	122,252,555	119,221,768
Thailand baht	14,356,728	14,352,615
Turkish lira	1,506,199	2,036,344
United Arab Emirates dirham	5,851,825	5,277,204
U.S. dollar	4,806,937,611	4,050,503,983
Total U.S. and international equities	$ 7,117,637,028	$ 6,034,643,952

NOTE 5. INVESTMENTS (CONTINUED)

Foreign Currency Risk (continued)

Type of Investment	Fair Value (USD) 2023	Fair Value (USD) 2022
Corporate and foreign government obligations		
British pound sterling	$ 4,331,173	$ 5,797,751
Canadian dollar	510,376	479,322
European euro	18,079,540	18,980,917
Mexican peso	1,129,301	1,177,212
Polish zloty	3,114	2,792
South African rand	-	366,436
U.S. dollar	1,086,019,295	1,097,328,298
Total corporate and foreign government obligations	$ 1,110,072,799	$ 1,124,132,728
Private equities		
European euro	$ 68,018,834	$ 71,678,272
U.S. dollar	769,660,182	802,128,230
Total private equities	$ 837,679,016	$ 873,806,502

Corporate and foreign government obligations include Fixed Income Swap derivative instruments.

Investment Activity

The calculation of realized gains and losses is independent of the calculation of net appreciation in the fair value of plan investments. Investments purchased in the previous year and sold in the current year result in their realized gains and losses being reported in the current year and their net appreciation in Fund assets being reported in both the current year and the previous years.

NOTE 6. DERIVATIVES

Derivative transactions involve, to varying degrees, credit risk, interest rate risk and market risk. Credit risk is the possibility that a loss may occur because a party to a transaction fails to perform according to the previously agreed upon terms. Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. Market risk is the possibility that a change in interest or currency rates will cause the value of a financial instrument to decrease or become more costly to settle.

NOTE 6. DERIVATIVES (CONTINUED)

The following table summarizes the derivatives held within the Fund's investment portfolio as of December 31, 2023 and 2022.

	Notional Amounts		Fair Value	
	2023	2022	2023	2022
Hedging derivative instruments				
Foreign currency contracts purchased	$ -	$ -	$ (72,349,781)	$ (121,375,378)
Foreign currency contracts sold	-	-	71,346,266	119,236,074
Futures				
Equity	-	-	-	-
Fixed Income	98,785,298	85,913,226	1,228,804	81,320
Options				
Purchased	-	-	(8,789)	49,260
Written	-	-	(195,993)	(47,958)
Swaps				
Credit default swaps	-	-	950,721	-
Interest rate swaps	-	-	183,400	351,899
Return swaps	-	-	(677,981)	(579,624)
Zero coupon swaps	-	-	257,975	277,248

Forward Currency Forward Contracts

Forward currency contracts are used to hedge against fluctuations in foreign currency-denominated assets used primarily in portfolio trade settlements. These contracts are a cash contract in which a seller agrees to deliver a specific cash commodity to a buyer sometime in the future. Forward agreements are subject to the creditworthiness of the counterparties, which are principally large financial institutions. Forward currency contracts are reported at fair value within the statement of fiduciary net position included in investments. The gain or loss on forward currency contracts is recognized and recorded on the statement of changes in fiduciary net position as part of investment income. The foreign currency contracts are short-term in nature.

NOTE 6. DERIVATIVES (CONTINUED)

Forward Currency Forward Contracts (continued)

The Fund's exposure to foreign currency risk at December 31, 2023 and 2022 is as follows:

	2023	2022
Foreign currency exchange sales		
Currency		
Australian dollar	$ 136,663	$ 5,760,275
Brazil real	250,875	582,931
British pound sterling	548,307	1,671,898
Canadian dollar	-	7,336,832
Chilean peso	997,075	659,955
Chinese yuan renminbi	1,987,666	4,088,237
Colombian peso	1,872,445	1,835,264
Czech koruna	2,243,930	4,454,841
European euro	4,473,994	6,298,500
Hungarian forint	1,155,925	4,604,386
Indian rupee	1,441,623	-
Indonesian rupiah	1,000,396	1,031,615
Israeli shekel	788,885	395,700
Japanese yen	486,637	5,401,664
Mexican peso	861,628	710,447
Taiwan Dollar	-	421,992
New Zealand dollar	347,041	68,603
Norwegian krone	-	375,338
Philippines peso	-	1,252,657
Peruvian sol	213,960	-
Polish zloty	2,936,275	2,783,858
Singapore dollar	282,600	1,124,319
South Korean won	-	1,457,910
South African rand	2,034,369	2,431,333
Swedish krona	-	1,656,258
Swiss franc	-	507,745
Thailand baht	731,891	2,212,144
Turkish lira	297,613	-
U.S. dollar	46,256,468	60,111,372
Total	$ 71,346,266	$ 119,236,074

NOTE 6. DERIVATIVES (CONTINUED)

Forward Currency Forward Contracts (continued)

	2023	2022
Foreign currency exchange purchases		
Currency		
Australian dollar	$ (178,006)	$ (387,910)
Brazil real	-	(289,406)
British pound sterling	(4,332,462)	(8,176,415)
Canadian dollar	-	(479,787)
Chilean peso	(1,022,901)	(1,405,324)
Chinese yuan renminbi	(2,269,093)	(4,640,005)
Colombian peso	(1,107,133)	(305,042)
Czech koruna	(1,941,383)	(5,223,242)
European euro	(23,509,851)	(45,264,047)
Hong Kong dollar	(126,922)	(102,898)
Hungarian forint	(2,327,927)	(1,901,273)
Indian rupee	(324,523)	(708,828)
Israeli shekel	-	(107,398)
Japanese yen	(147,794)	(1,351,998)
Mexican peso	-	(914,037)
New Taiwan dollar	(5,575,638)	(3,153,841)
Norwegian krone	-	-
Peruvian sol	(1,151,378)	-
Philippines peso	(1,617,660)	(3,337,699)
Polish zloty	(2,721,449)	(2,913,814)
Singapore dollar	(917,433)	-
South African rand	(140,478)	(293,108)
South Korean won	(884,991)	(1,011,448)
Swiss franc	-	(2,195,494)
Thailand baht	(252,892)	(3,259,051)
U.S. dollar	(21,799,867)	(33,953,313)
	$ (72,349,781)	$ (121,375,378)

NOTE 6. DERIVATIVES (CONTINUED)

Futures, Swaps, and Options

Futures are agreements to purchase or sell a specific amount of an asset at a specified maturity for an agreed-upon price. Swaps are arrangements to exchange currency or assets. Options are contracts that give its holder the right but not the obligation to buy or sell a financial instrument or commodity at a certain price for a period of time.

Futures contracts, swaps, and options are reported at fair value in the fixed income investments on the statement of fiduciary net position. The gain or loss on futures contracts, swaps, and options are reported as part of investment income on the statement of changes in fiduciary net position. These instruments are not rated by the credit rating agencies.

The following table presents a summarization of the Fund's Futures and Swaps investments' interest rate risk exposure at December 31, 2023 and 2022, using the segmented time distribution method:

Derivative Type	Maturity	2023	2022
Futures	Less than 1 Year	$ 1,228,804	$ 81,320
Options	Less than 1 Year	$ (204,782)	$ 1,302
Swaps	Less than 1 Year	$ (604,390)	$ (577,043)
	1 - 5 years	1,257,027	402,975
	5 - 10 years	10,270	169,079
	Over 10 years	51,208	54,512
		$ 714,115	$ 49,523

NOTE 7. WHEN-ISSUED TRANSACTIONS

The Fund may purchase securities on a when-issued basis, that is, obligate itself to purchase securities with delivery and payment to occur at a later date. At the time the Fund enters into a commitment to purchase the security, the transaction is recorded at the purchase price which equals fair value. The value at delivery may be more or less than the purchase price. No interest accrues to the Fund until delivery and payment takes place. As of December 31, 2023 and 2022, the Fund contracted to acquire securities on a when-issued basis with a total principal amount of approximately $40,938,383 and $33,224,524, respectively.

NOTE 8. FAIR VALUE MEASUREMENTS

GASB Statement No. 72, *Fair Value Measurement and Application*, established a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy are described below:

Basis of Fair Value Measurement

Level 1 — Unadjusted quoted prices in active markets that are accessible at the measurement date for identical, unrestricted assets or liabilities

Level 2 — Quoted prices in markets that are not considered to be active or financial instruments for which all significant inputs are observable, either directly or indirectly

Level 3 — Prices or valuations that require inputs that are both significant to the fair value measurement and unobservable

The Fund categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The Fund has the following recurring fair value measurements as of December 31, 2023 and 2022:

		Fair Value Measurements at 12/31/2023 Using		
	Total	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Investments by fair value level				
U.S. and international equities	$ 7,117,637,028	$ 7,117,637,028	$ -	$ -
U.S. Government and government agency Obligations	1,649,989,708	872,198,200	777,791,508	-
Corporate and foreign government obligations	1,110,072,799	-	1,110,072,799	-
Exchange traded funds	13,677,872	13,677,872	-	-
Total investments by fair value level	9,891,377,407	$ 8,003,513,100	$ 1,887,864,307	$ -
Investments measured at net asset value	2,786,648,783			
Total investments at fair value	$ 12,678,026,190			

NOTE 8. FAIR VALUE MEASUREMENTS (CONTINUED)

		Fair Value Measurements at 12/31/2022 Using		
	Total	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Investments by fair value level				
U.S. and international equities	$ 6,034,643,952	$ 6,034,643,952	$ -	$ -
U.S. Government and government agency obligations	1,469,836,010	786,108,966	683,727,044	-
Corporate and foreign government obligations	1,124,132,728	-	1,124,132,728	-
Exchange traded funds	13,203,898	13,203,898	-	-
Total investments by fair value level	8,641,816,588	$ 6,833,956,816	$ 1,807,859,772	$ -
Investments measured at net asset value	3,147,216,761			
Total investments at fair value	$ 11,789,033,349			

Level 1 Measurements

U.S. Government obligations, U.S. and international equities and exchange traded funds are traded in active markets on national and international securities exchanges and are valued at closing prices on the measurement date.

Level 2 Measurements

U.S. Government and government agency obligations and corporate and foreign government obligations are generally valued by benchmarking model-derived prices to quoted market prices and trade data for identical or comparable securities. To the extent that quoted prices are not available, fair value is determined based on a valuation model that include inputs such as interest rate yield curves and credit spreads. Securities traded in markets that are not considered active are valued based on quoted market prices, broker to dealer quotations, or alternative pricing sources with reasonable levels of price transparency. Securities that trade infrequently and therefore have little or no price transparency are valued using the investment manager's best estimates.

NOTE 8. FAIR VALUE MEASUREMENTS (CONTINUED)

The valuation methods for investments measured at net asset value (NAV) are presented on the following table:

	Fair Value		Unfunded	Redemption Frequency	Redemption Notice
	12/31/2023	12/31/2022	Commitments	(If Eligible)	Period
Investments measured at net asset value:					
Collective international equity fund (1)					
Lazard/Wilmington Emerging Markets Sudan Free Portfolio	$ 101,495,428	$ 83,714,867	$ -	Daily	N/A
Commingled fixed income fund (2)					
MacKay Shields Defensive Bond Arbitrage Fund Ltd.	32,171,560	31,396,051	-	Daily	5 days
Private equities (4)	837,679,016	873,806,502	192,600,036	Closed Ended	N/A
Hedge funds (5)					
Burnham Harbor Fund Ltd.	383,873,822	592,616,232	-	Monthly	95 days
RC Kenwood Fund Ltd.	168,801,772	210,885,248	-	Quarterly	90 days
Real estate funds (6)					
JPMCB Strategic Property Fund	263,508,435	317,671,194	-	Quarterly	45 days
PRISA Separate Account	273,486,900	339,539,226	-	Quarterly	90 days
Artemis Real Estate Partners	37,300,233	30,690,770	33,878,550	Closed Ended	N/A
Others	397,146,503	432,125,560	66,648,237	Quarterly	90 days
Short-term investment (7)					
BNY Mellon EB Temporary Investment Fund	291,185,114	234,771,111	-	Daily	N/A
Total investments measured at net asset value	$ 2,786,648,783	$ 3,147,216,761			

(1) Collective international equity fund - The fund's investment objective is to achieve long-term capital appreciation by investing primarily in equity and equity-related securities of issuers that are located, or do significant business, in emerging market countries. The fair value of the investment in the fund has been determined using the NAV per share of the investment.

(2) Commingled fixed income fund - The fund's investment objective is to track the performance of the Barclays U.S. Aggregate Index. The fair value of the investment in the fund has been determined using the NAV per share of the investment.

(3) Private global fixed income fund limited partnership - The partnership's investment objective is to maximize total investment return by investing in a portfolio of fixed and floating rate debt securities and debt obligations of governments, government-related or corporate issuers worldwide, as well as derivative financial instruments. The fair value of

the investment in the partnership fund has been determined using the NAV per share (or its equivalent) of the investment.

NOTE 8. FAIR VALUE MEASUREMENTS (CONTINUED)

(4) Private equities - This investment consists of 84 limited partnership investments in 2023 and 2022, with an investment objective to achieve long-term capital appreciation and capital preservation through investments in limited partnerships, privately issued securities, private equity funds, and other pooled investments. Closed-end limited partnership interests are generally illiquid and cannot be redeemed. It is expected that liquidation of the limited partnership interests will generally coincide with the terms of the various underlying partnership agreements. These underlying private equity partnerships generally have a fund life per the Limited Partnership Agreements of approximately 10 to 12 years plus 2 to 3 one-year extensions. However, the underlying general partners may extend their funds indefinitely to facilitate an orderly liquidation of the underlying assets. The fair value of the investments in this type has been determined using the NAV per share (or its equivalent) of the investments.

(5) Hedge funds - The investment objective of the hedge funds is to invest in non-traditional portfolio managers, diversified portfolios of hedge funds having a low correlation with major investment markets, and diversified groups of alternative investment funds that invest or trade in a wide variety of financial instruments and strategies. The fair value of the investment in the hedge funds has been determined using the NAV per share (or its equivalent) of the investment.

(6) Real estate funds - These investments include a commingled pension trust fund, an insurance company separate account, and other real estate funds that are designed as funding vehicles for tax-qualified pension plans. Their investments are comprised primarily of real estate investments either directly owned or through partnership interests and mortgage and other loans on income producing real estate. The fair values of the investments in this type have been determined using the NAV per share (or its equivalent) of the investments. Due to the nature of the investments and available cash on hand, significant redemptions in this type of investment may at times be subject to additional restrictions.

(7) Short-term investment - This investment's objective is to invest in short-term investments of high quality and low risk to protect capital while achieving investment returns. The fair value of the investment in the fund has been determined using the NAV per share of the investment.

NOTE 9. SECURITIES LENDING

State statutes and the investment policy permit the Fund to lend its securities to broker-dealers and other entities with a simultaneous agreement to return collateral for the same securities in the future. The Fund's custodian, acting as the lending agent, lends securities for collateral in the form of cash, U.S. Government obligations and irrevocable letters of credit equal to 102% of the fair value of domestic securities plus accrued interest and 105% of the fair value of foreign securities plus accrued interest.

The Fund does not have the right to sell or pledge securities received as collateral unless the borrower defaults. The average term of securities loaned was 87 days for 2023 and 78 days for 2022; however, any loan may be terminated on demand by either the Fund or the borrower. Cash collateral was invested in a separately managed portfolio, which had an average weighted maturity at December 31, 2023 and 2022 of 117 and 79 days, respectively.

As of December 31, 2023 and 2022, the fair value (carrying amount) of loaned securities was $1,116,053,182 and $1,065,335,185, respectively. As of December 31, 2023 and 2022, the fair value (carrying amount) of cash collateral received by the Fund was $1,013,666,620 and $981,850,793, respectively. The cash collateral is included as an asset and a corresponding liability on the statement of fiduciary net position. As of December 31, 2023 and 2022, the fair value (carrying amount) of non-cash collateral received by the Fund was $129,966,440 and $111,630,895, respectively.

Although the Fund's securities lending activities are collateralized as described above, they involve both market and credit risk. In this context, market risk refers to the possibility that the borrower of securities will be unable to collateralize the loan upon a sudden material change in the fair value of the loaned securities. Credit risk refers to the possibility that counterparties involved in the securities lending program may fail to perform in accordance with the terms of their contracts.

Indemnification deals with the situation in which a client's securities are not returned due to the insolvency of a borrower. The contract with the lending agent requires indemnification to the Fund if borrowers fail to return the securities or fail to pay the Fund for income distributions by the issuers of securities while the securities are on loan.

NOTE 9. SECURITIES LENDING (CONTINUED)

A summary of securities loaned at fair value as of December 31, 2023 and 2022 is as follows:

	2023	2022
Securities loaned - backed by cash collateral		
U.S. and international equities	$ 576,590,481	$ 702,721,752
U.S. Government and government agency obligations	226,643,610	139,061,495
Exchange traded funds	1,177,240	6,730,391
Corporate and foreign government obligations	158,797,767	110,033,596
Total securities loaned - backed by cash collateral	963,209,098	958,547,234
Securities loaned - backed by non-cash collateral		
U.S. and international equities	109,836,290	60,820,841
U.S. Government and government agency obligations	42,993,089	42,932,857
Exchange traded funds	14,705	-
Corporate and foreign government obligations	-	3,034,253
Total securities loaned - backed by non-cash collateral	152,844,084	106,787,951
Total	$ 1,116,053,182	$ 1,065,335,185

NOTE 10. EMPLOYER'S POSTEMPLOYMENT HEALTHCARE LIABILITY

Plan Description

The Fund administers a Postemployment Group Healthcare Benefit Plan (PGHBP), a single-employer defined benefit postemployment healthcare plan. The PGHBP is administered in accordance with Chapter 40, Article 5/10 of the Illinois Compiled Statutes, which assigns the authority to establish and amend benefit provisions to the Fund's Board of Trustees. PGHBP provides a healthcare benefit to annuitants of Cook County, Illinois (the employer) who elect to participate in the PGHBP.

NOTE 10. EMPLOYER'S POSTEMPLOYMENT HEALTHCARE LIABILITY (CONTINUED)

Plan Description (continued)

At December 31, 2023 and 2022, participants consisted of the following:

	2023	2022
Active members	18,686	18,107
Retired plan members or beneficiaries currently receiving benefit payments	11,385	11,573
Inactive plan members entitled to but not yet receiving benefit payments	1,599	1,657
Total	31,670	31,337

Benefits provided - The PGHBP provides healthcare and vision benefits for annuitants and their dependents.

Contributions - The PGHBP is funded on a "pay-as-you-go" basis. For the valuation of the obligation as of December 31, 2023 and 2022 the employee and spouse annuitants are expected to pay 56% of the annual costs. The remaining costs are funded by an allocation from the Fund.

Method of Accounting - The PGHBP's financial statements have been combined with the Fund's financial statements and are presented using the accrual basis of accounting. Healthcare expenses are recognized when incurred and estimable.

Employer's Net Postemployment Healthcare Liability

The components of the employer's net postemployment healthcare liability at December 31, 2023 and 2022 were as follows:

	2023	2022
Total postemployment healthcare liability	$ 1,800,127,404	$ 1,661,200,170
Plan fiduciary net position	-	-
Employer's net postemployment healthcare liability	$ 1,800,127,404	$ 1,661,200,170
Plan fiduciary net position as a percentage of the total postemployment healthcare liability	0.00%	0.00%

NOTE 10. EMPLOYER'S POSTEMPLOYMENT HEALTHCARE LIABILITY (CONTINUED)

Plan Description (continued)

Contributions for postemployment healthcare benefits are made on a "pay-as-you-go" basis. There are no dedicated assets for healthcare benefits resulting in a 0.00% funded ratio.

Refer to the schedule of changes in the employer's net postemployment healthcare liability and related ratios in the required supplementary information for additional information related to the funded status of the PGHBP.

The net postemployment healthcare liability was determined by actuarial valuations performed as of December 31, 2022 and 2023 using the following actuarial methods and assumptions:

Actuarial valuation date	December 31, 2023 and 2022
Actuarial cost method	Entry Age Normal
Actuarial assumptions:	
Inflation	2.50% per year
Salary increases	3.00% to 5.00%, based on service
Health care cost trend rates	7.000% in the first year, decreasing by .250% per year until an ultimate rate of 4.500% is reached for pre-Medicare. 5.750% in the first year, decreasing by .125% per year until an ultimate rate of 4.500% is reached for post-Medicare.
Mortality	Pub-2010 amount-weighted tables projected from 2010 using generational improvement with Scale MP-2021

The actuarial assumptions used in the December 31, 2023 and 2022 valuations were based on the results of the actuarial experience study conducted by Cavanaugh Macdonald Consulting over the period 2017 through 2020.

NOTE 10. EMPLOYER'S POSTEMPLOYMENT HEALTHCARE LIABILITY (CONTINUED)

Discount Rate

The blended discount rate used to measure the total postemployment healthcare liability at December 31, 2023 and 2022 was 3.26% and 3.65%, respectively. The projection of cash flows used to determine the discount rate assumed that the employer's contributions will continue to follow the current funding policy. Based on this assumption, the Fund's fiduciary net position was projected to be insufficient to make all projected future benefit payments of current plan members. Municipal bond rates of 3.26% and 3.65% at December 31, 2023 and 2022, respectively, and the long-term investment rate of return of 0% were used in the development of the blended discount rates. The municipal bond rates for 2023 and 2022 are based on the S&P Municipal Bond 20 Year High Grade Rate Index.

Sensitivity of the Net Postemployment Healthcare Liability to Changes in the Discount Rate

The following is an analysis of the net postemployment healthcare liability's sensitivity to changes in the discount rate at December 31, 2023 and 2022. The following table presents the net postemployment healthcare liability of the employer using the blended discount rate as well as the employer's net postemployment healthcare liability calculated using a discount rate 1% lower and 1% higher than the current discount rate:

	1% Decrease 2.26%	Current Discount Rate 3.26%	1% Increase 4.26%
Net postemployment healthcare liability as of December 31, 2023	$ 2,112,035,189	$ 1,800,127,404	$ 1,549,948,122

	1% Decrease 2.65%	Current Discount Rate 3.65%	1% Increase 4.65%
Net postemployment healthcare liability as of December 31, 2022	$ 1,942,546,793	$ 1,661,200,170	$ 1,434,883,159

NOTE 10. EMPLOYER'S POSTEMPLOYMENT HEALTHCARE LIABILITY (CONTINUED)

Sensitivity of the Net Postemployment Healthcare Liability to Changes in the Health Care Cost Trend Rate

The following is an analysis of the net postemployment healthcare liability's sensitivity to changes in the health care cost trend rate at December 31, 2023 and 2022. The following table presents the net postemployment healthcare liability of the employer using the health care cost trend rate as well as the employer's net postemployment healthcare liability calculated using a health care cost trend rate 1% lower and 1% higher than the current health care cost trend rate:

	1% Decrease	Health Care Cost Trend Rate	1% Increase
Net postemployment healthcare liability as of December 31, 2023	$ 1,522,838,428	$ 1,800,127,404	$ 2,157,828,708

	1% Decrease	Health Care Cost Trend Rate	1% Increase
Net postemployment healthcare liability as of December 31, 2022	$ 1,411,630,103	$ 1,661,200,170	$ 1,981,252,720

NOTE 11. RELATED PARTY TRANSACTIONS

The Fund has common Trustees and shares office space with the Forest Preserve District Employees' Annuity and Benefit Fund of Cook County (Forest Fund) who reimburses the Fund for shared administrative services provided by the Fund. During the years ended December 31, 2023 and 2022, the Fund allocated administrative expenditures of $93,356 and $93,426, respectively, to the Forest Fund.

As of December 31, 2023 and 2022, the Fund owed $224,734 and $554,121, respectively, to the Forest Fund. These amounts include plan transfers from Fund members transferring from one Fund to the other.

NOTE 12. PRONOUNCEMENTS ISSUED EFFECTIVE FISCAL YEAR ENDED DECEMBER 31, 2023

In March 2020, GASB issued Statement No. 94, *Public-Private and Public-Public Partnerships and Availability Payment Arrangements.* Statement No. 94 was issued to improve financial reporting by addressing issues related to public-private and public-public partnership arrangements (PPPs). Statement No. 94 is effective for the Fund's fiscal year ending December 31, 2023. Statement No. 94 has no material impact on the Fund's financial operations.

In May 2020, GASB issued Statement No. 96, *Subscription-Based Information Technology Arrangements (SBITAs).* Statement No. 96 requires a government to disclose descriptive information about its SBITAs other than short-term SBITAs, such as the amount of the subscription asset, accumulated amortization, other payments not included in the measurement of a subscription liability, principal and interest requirements for the subscription liability, and other essential information. Statement No. 96 is effective for the Fund's fiscal year ending December 31, 2023. Fund staff evaluated Statement No. 96 and have concluded that the requirements of the statement do not materially impact the Fund's financial statements and related disclosures.

In April 2022, GASB issued Statement No.99, *Omnibus 2022*. Statement No. 99 was issued to enhance comparability in accounting and financial reporting and to improve the consistency of authoritative literature by addressing (1) practice issues that have been identified during implementation and application of certain GASB Statements and (2) accounting and financial reporting for financial guarantees. The requirements related to financial guarantees and the classification and reporting of derivative instruments within the scope of Statement 53 are effective for fiscal years beginning after June 15, 2023, and all reporting periods thereafter. Fund staff evaluated Statement No. 99 and have concluded that the requirements of the statement do not materially impact the Fund's financial statements and related disclosures.

NOTE 13. PRONOUNCEMENTS ISSUED NOT YET EFFECTIVE

In June 2022, GASB issued Statement No. 100, *Accounting Changes and Error Corrections and amendment of GASB Statement No.62*. Statement No. 100 was issued to enhance accounting and reporting requirements for accounting changes and error corrections to provide more understandable, reliable, relevant, consistent, and comparable information for making decision or assessing accountability. The statement requires disclosure in notes to financial statements of descriptive information about accounting changes and error corrections, such as their nature. In addition, information about the quantitative effects on beginning balances of each accounting change and error correction should be disclosed by reporting unit in a tabular format to reconcile beginning balances as previously reported to beginning balances as restated. The requirements of Statement No. 100 are effective for accounting changes and error corrections made in fiscal year beginning after June 15, 2023 and all reporting periods thereafter.

NOTE 13. PRONOUNCEMENTS ISSUED NOT YET EFFECTIVE (CONTINUED)

In June 2022, GASB issued Statement No. 101, *Compensated Absences*. Statement No. 101 was issued to better meet the information needs of financial statement users by updating the recognition and measurement guidance for compensated absence. The statement requires that liabilities for compensated absences be recognized for (1) leave that has not been used and (2) leave that has been used but not yet paid in cash or settled through noncash means. The requirements of Statement No. 101 are effective for fiscal years beginning after December 15, 2023, and all reporting periods thereafter.

GASB Statement No. 102, *Certain Risk Disclosures*. Statement No. 102 was issued to provide users of government financial statements with essential information about risks related to a government's vulnerabilities due to certain concentrations or constraints. The requirements of Statement No. 102 are effective for fiscal years beginning after June 15, 2024, and all reporting periods thereafter.

GASB Statement No. 103 *Financial Reporting Model Improvements*. Statement No. 103 was issued to improve key components of the financial reporting model to enhance its effectiveness in providing information that is essential for decision making and assessing a government's accountability. This Statement also addresses certain application issues. The requirements of this Statement are effective for fiscal years beginning after June 15, 2025, and all reporting periods thereafter.

The Fund has not yet determined the impact the Statement's that are not yet effective will have on its financial statements.

NOTE 14. SUBSEQUENT EVENTS

The Fund has evaluated events subsequent to December 31, 2023 through the date of issuance of the financial statement and determined that no additional disclosure was necessary in the financial statements.

REQUIRED SUPPLEMENTARY INFORMATION - PENSION

County Employees' and Officers' Annuity
and Benefit Fund of Cook County

Required Supplementary Information - Pension

Schedule of Changes in the Employer's Net Pension Liability and Related Ratios

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Total pension liability										
Service cost	$ 360,989,012	$ 380,927,496	$ 522,496,743	$ 469,652,001	$ 367,986,188	$ 440,682,868	$ 478,904,097	$ 559,176,234	$ 496,161,454	$ 491,887,347
Interest	1,142,886,849	1,094,942,781	1,018,513,289	1,038,868,271	1,078,970,836	1,027,348,255	1,082,982,064	1,002,950,495	994,674,970	958,433,835
Benefit changes	42,864,033	-	-	-	-	-	-	-	-	-
Difference between expected and actual experience	1,158,288,500	122,597,765	(54,518,860)	192,731,447	1,775,621	(278,982,116)	(152,859,373)	318,014,746	(126,330,351)	-
Changes of assumptions	(6,882,543,573)	(853,548,421)	(3,033,418,725)	1,766,822,859	2,760,713,592	(1,601,212,188)	(950,493,320)	(1,893,474,930)	1,329,087,966	-
Expected benefit payments, including refunds of employee contributions	(1,066,900,364)	(1,012,903,472)	(968,800,978)	(905,497,405)	(860,741,164)	(805,394,705)	(757,930,854)	(709,560,225)	(676,470,215)	(622,003,259)
Net change in total pension liability	(5,244,415,543)	(267,983,851)	(2,515,728,531)	2,562,577,173	3,348,705,073	(1,217,557,886)	(299,397,386)	(722,893,680)	2,017,123,824	828,317,923
Total pension liability										
Beginning of year	24,850,806,602	25,118,790,453	27,634,518,984	25,071,941,811	21,723,236,738	22,940,794,624	23,240,192,010	23,963,085,690	21,945,961,866	21,117,643,943
End of year	$ 19,606,391,059	$ 24,850,806,602	$ 25,118,790,453	$ 27,634,518,984	$ 25,071,941,811	$ 21,723,236,738	$ 22,940,794,624	$ 23,240,192,010	$ 23,963,085,690	$ 21,945,961,866
Plan fiduciary net position										
Contributions - employer	$ 425,540,815	$ 480,941,192	$ 507,070,170	$ 465,778,715	$ 488,003,692	$ 549,437,252	$ 511,750,985	$ 414,703,155	$ 136,075,504	$ 146,075,414
Contributions - employee	148,019,071	136,293,311	133,368,302	134,157,866	134,837,512	134,159,171	138,826,184	139,355,592	137,707,719	129,325,318
Net investment income	1,428,290,720	(1,867,355,079)	1,960,919,641	1,465,457,845	1,865,645,039	(424,787,945)	1,399,625,874	629,442,470	(21,896,696)	488,890,897
Expected benefit payments, including refunds of employee contributions	(1,066,900,364)	(1,012,903,472)	(968,800,978)	(905,497,405)	(860,741,164)	(805,394,705)	(757,930,854)	(709,560,225)	(676,470,215)	(622,003,259)
Administrative expenses	(4,869,256)	(4,720,167)	(5,107,805)	(5,000,609)	(5,085,445)	(5,134,047)	(5,406,034)	(5,373,555)	(5,151,110)	(5,010,206)
Other	5,365,993	4,946,481	4,467,794	3,754,806	6,275,804	5,860,613	5,359,418	4,046,158	4,380,293	3,753,960
Net change in plan fiduciary net position	935,446,979	(2,262,797,734)	1,631,917,124	1,158,651,218	1,628,935,438	(545,859,661)	1,292,225,573	472,613,595	(425,354,505)	141,032,124
Plan fiduciary net position										
Beginning of year	12,018,729,828	14,281,527,562	12,649,610,438	11,490,959,220	9,862,023,782	10,407,883,443	9,115,657,870	8,643,044,275	9,068,398,780	8,927,366,656
End of year	$ 12,954,176,807	$ 12,018,729,828	$ 14,281,527,562	$ 12,649,610,438	$ 11,490,959,220	$ 9,862,023,782	$ 10,407,883,443	$ 9,115,657,870	$ 8,643,044,275	$ 9,068,398,780
Employer's net pension liability	$ 6,652,214,252	$ 12,832,076,774	$ 10,837,262,891	$ 14,984,908,546	$ 13,580,982,591	$ 11,861,212,956	$ 12,532,911,181	$ 14,124,534,140	$ 15,320,041,415	$ 12,877,563,086
Plan fiduciary net position as a percentage of the total pension liability	66.07%	48.36%	56.86%	45.77%	45.83%	45.40%	45.37%	39.22%	36.07%	41.32%
Covered payroll	$ 1,753,795,899	$ 1,577,093,973	$ 1,520,619,855	$ 1,532,744,306	$ 1,553,498,503	$ 1,533,721,507	$ 1,567,480,401	$ 1,580,251,254	$ 1,572,417,298	$ 1,514,550,023
Employer's net pension liability as a percentage of covered payroll	379.30%	813.65%	712.69%	977.65%	874.22%	773.36%	799.56%	893.82%	974.30%	850.26%

Note:

Changes in Benefit :
A contributing employee may apply for creditable service for up to two years of military service whether or not the military service followed service as a county employee.

Changes of Assumptions - CY 2023 versus 2022
The discount rate in 2023 is 7.00%, which changed from 4.63% in 2022.
The mortality table used Pub-2010 General Amount Weighted Median Tables, same as in 2022.
Mortality projections projected from 2010 using generational improvement with Scale MP-2021, same as in 2022.
Investment rate of return was 7.00%, same as in 2022.
Projected salary increase was 3.00%-5.00% based on services, same as in 2022.
Inflation rate was 2.50%, same as in 2022.
Rates of retirement remained the same as in 2022, employees are assumed to retire by age 80.
Post retirement annuity increase remained the same as in 2022,
Tier 1 participants 3.0% compounded annually;
Tier 2 participants lesser of 3.0% or one half of the increase in the CPI.

Changes in Benefit:
None noted in 2022.

Changes of Assumptions:
The blended discount rate used changed from 4.63% in 2022 to 4.38% in 2021.
The mortality table used Pub-2010 General Amount Weighted Median Tables, same as in 2021.
Mortality projections projected from 2010 using generational improvement with Scale MP-2021, same as in 2021.
Investment rate of return was 7.00%, same as in 2021.
Projected salary increase was 3.00%-5.00% based on services, same as in 2021.
Inflation rate was 2.50%, same as in 2021.
Rates of retirement remained the same as in 2021, employees are assumed to retire by age 80.
Post retirement annuity increase remained the same as in 2021,
Tier 1 participants 3.0% compounded annually;
Tier 2 participants lesser of 3.0% or one half of the increase in the CPI.

Changes in Benefit:
None noted in 2021 versus 2020

Changes of Assumptions: CY 2021 and 2020
The blended discount rate used changed from 3.22% in 2020 to 3.17% in 2021.
The mortality table used changed from RP-2014 Blue Collar in 2020 to Pub-2010 amount-weighed in 2021.
Mortality projections in 2021 are projected from 2010 using generational improvement with Scale MP-2021, and were projected from 2006 base year using Buck Modified
The investment rate of return changed from 7.25% in 2020 to 7.00% in 2021.
Projected salary increases changed from 3.50%-8.00% based on age in 2020 to 3.00%-5.00% in 2021
Inflation rate changed from 2.75% in 2020 to 2.50% in 2021.
Rates of retirement remained the same as in 2020, employees are assumed to retire by age 80.
Post retirement annuity increase remained the same,
Tier 1 participants 3.0% compounded annually;
Tier 2 participants lesser of 3.0%or one half of the increase in the CPI.

County Employees' and Officers' Annuity and Benefit Fund of Cook County

Required Supplementary Information - Pension

Schedule of Employer Contributions and Related Notes

Last Ten Fiscal Years

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Actuarially determined contribution	$ 478,770,411	$ 522,467,203	$ 650,512,479	$ 536,955,558	$ 523,625,965	$ 562,815,816	$ 514,888,487	$ 519,642,931	$ 595,370,046	$ 540,218,287
Contributions in relation to the actuarially determined contribution	(425,540,815)	(480,941,192)	(507,070,170)	(465,778,715)	(488,003,692)	(549,437,252)	(511,750,985)	(414,703,155)	(136,075,504)	(146,075,414)
Contribution deficiency	$ 53,229,596	$ 41,526,011	$ 143,442,309	$ 71,176,843	$ 35,622,273	$ 13,378,564	$ 3,137,502	$ 104,939,776	$ 459,294,542	$ 394,142,873
Covered payroll	$ 1,753,795,899	$ 1,577,093,973	$ 1,520,619,855	$ 1,532,744,306	$ 1,553,498,503	$ 1,533,721,507	$ 1,567,480,401	$ 1,580,251,254	$ 1,572,417,298	$ 1,514,550,023
Contributions as a percentage of covered payroll	24.26%	30.50%	33.35%	30.39%	31.41%	35.82%	32.65%	26.24%	8.65%	9.64%

Notes to Schedule

Actuarially determined contribution rates are calculated as of December 31, one year prior to the fiscal year in which contributions are reported.

Valuation Date	December 31, 2022
Methods and assumptions used to determine contribution rates:	
Actuarial cost method	Entry Age Normal
Amortization method	Level Dollar - Open
Remaining amortization period	30 years
Asset valuation method	Five Year Smoothed Average Market
Inflation	2.50% per year, compounded annually
Salary increases	3.00% to 5.00%, based on service
Investment rate of return	7.00% per year, compounded annually
Retirement age	Based on actual past experience, assume all employees retire by age 80 (Tier 1 participants) and 75 (Tier 2 participants)
Mortality	Pub-2010 amount-weighted tables projected from 2010 using generational improvement with Scale MP-2021
Postretirement annuity increases	Tier 1 participants - 3.0% compounded annually
	Tier 2 participants - the lesser of 3.0% or one half of the increase in the Consumer Price Index

County Employees' and Officers' Annuity and Benefit Fund of Cook County

Required Supplementary Information - Pension

Schedule of Investment Returns

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Annual money-weighted rate of return, net of investment expense	12.27%	-13.01%	17.13%	12.50%	19.07%	-3.79%	15.35%	7.67%	-0.10%	5.90%

REQUIRED SUPPLEMENTARY INFORMATION - POSTEMPLOYMENT HEALTHCARE

County Employees' and Officers' Annuity
and Benefit Fund of Cook County

Required Supplementary Information - Postemployment Healthcare

Schedule of Changes in the Employer's Net Postemployment Healthcare Liability
and Related Ratios

	2023	2022	2021	2020	2019	2018	2017
Total postemployment healthcare liability							
Service cost	$ 48,872,525	$ 72,409,061	$ 79,427,382	$ 66,338,671	$ 46,682,354	$ 40,557,095	$ 82,344,830
Interest	61,563,999	41,582,968	45,952,201	53,508,403	64,502,784	68,565,681	84,911,522
Changes in benefit terms	-	-	166,241,145	(65,649,811)	(81,634,771)	(292,725,744)	(79,293,990)
Difference between expected and actual experience	(47,736,125)	15,151,444	(275,500,153)	(15,827,767)	(9,467,033)	(92,253,919)	(55,814,160)
Changes of assumptions	123,425,446	(401,713,051)	(108,982,699)	209,226,099	385,089,639	(300,028,016)	(66,330,809)
Benefit payments	(47,198,611)	(44,292,643)	(34,230,005)	(43,430,445)	(38,237,172)	(38,310,969)	(47,454,621)
Net change in total postemployment healthcare liability	138,927,234	(316,862,221)	(127,092,129)	204,165,150	366,935,801	(614,195,872)	(81,637,228)
Total postemployment healthcare liability							
Beginning of year	1,661,200,170	1,978,062,391	2,105,154,520	1,900,989,370	1,534,053,569	2,148,249,441	2,229,886,669
End of year	$ 1,800,127,404	$ 1,661,200,170	$ 1,978,062,391	$ 2,105,154,520	$ 1,900,989,370	$ 1,534,053,569	$ 2,148,249,441
Plan fiduciary net position							
Contributions - employer	$ 47,198,611	$ 44,292,643	$ 34,230,005	$ 43,430,445	$ 38,237,172	$ 38,310,969	$ 47,454,641
Benefit payments - net	(47,198,611)	(44,292,643)	(34,230,005)	(43,430,445)	(38,237,172)	(38,310,969)	(47,454,641)
Net change in plan fiduciary net position	-	-	-	-	-	-	-
Plan fiduciary net position							
Beginning of year	-	-	-	-	-	-	-
End of year	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Employer's net postemployment healthcare liability	$ 1,800,127,404	$ 1,661,200,170	$ 1,978,062,391	$ 2,105,154,520	$ 1,900,989,370	$ 1,534,053,569	$ 2,148,249,441
Plan fiduciary net position as a percentage of the total postemployment healthcare liability	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Covered payroll	$ 1,806,600,924	$ 1,632,797,650	$ 1,572,958,479	$ 1,583,198,305	$ 1,603,347,918	$ 1,576,658,158	$ 1,602,986,483
Employer's net postemployment healthcare liability as a percentage of covered payroll	99.64%	101.74%	125.75%	132.97%	118.56%	97.30%	134.02%

Note to the schedule:

There are no assets accumulated in a Trust that meets the criteria of GASB Codification P52.101 to pay related benefits for the OPEB plan.

Changes in Benefit Terms CY 2023 versus 2022

Subsidy percentages for member health benefits remained the same as 2022:

Choice and Choice Plus Plans:

Annuitants with and without Medicare 44%.

Survivors with and without Medicare 44%.

Changes of Assumptions:

The discount rate used changed from 3.65% in 2022 to 3.26% in 2023.

The mortality table used Pub-2010 General Amount Weighted Median Tables, same as in 2022

Mortality projections projected form 2010 using generational improvement with Scale MP-2021, same as in 2022.

Healthcare cost trend rates remained the same for pre-Medicare, 7.000% in the first year, decreasing by .25% per year until an ultimate rate of 4.500% is reached.

Healthcare cost trend rates remained the same for post-Medicare, 5.750% in the first year, decreasing by .125% per year until an ultimate rate of 4.500% is reached.

Projected salary increases remained the same as 2022; 3.00%-5.00% in 2023 based on service.

Inflation rate remained the same as 2022; 2.50% in 2023.

There are no assets accumulated in a Trust that meets the criteria of GASB Codification P52.101 to pay related benefits for the OPEB plan.

Changes in Benefit Terms CY 2022 versus 2021

Subsidy percentages for member health benefits remained the same as in 2021;

Choice and Choice Plus Plans:

Annuitants with and without Medicare 44%.

Survivors with and without Medicare 44%.

Changes of Assumptions:

The discount rate used changed from 2.05% in 2021 to 3.65% in 2022.

The mortality table used Pub-2010 General Amount Weighted Median Tables, same

Mortality projections projected from 2010 using generational improvement with Scale MP-202, same as in 2021.

Healthcare cost trend rates remained the same for pre-Medicare, 7.000% in the first year, decreasing by .25% per year until an ultimate rate of 4.500% is reached.

Healthcare cost trend rates changed for post-Medicare from, from 5.500% in the firs year, decreasing by .25% in the second year, decreasing by .125 % in the third and fourth year, and decreasing by .25% in the fifth year until an ultimate rate of 4.500% is reached to 5.750% decreasing by 0.125% per year until an ultimate rate of 4.500% is reached.

Projected salary increases remained the same as in 2021; 3.00%-5.00% based on service.

Inflation rate was 2.50%, same as in 2022.

This schedule is intended to show information for ten years. The additional years' information will be displayed as it becomes available.

County Employees' and Officers' Annuity
and Benefit Fund of Cook County

Required Supplementary Information - Postemployment Healthcare

Schedule of Employer Contributions and Related Notes

Last Ten Fiscal Years

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Actuarially determined contribution	$ 152,154,466	$ 137,658,885	$ 159,551,340	$ 172,996,709	$ 157,705,345	$ 133,228,086	$ 187,348,423	$ 206,678,514	$ 190,871,452	$ 189,907,202
Contributions in relation to the actuarially determined contribution	(47,198,611)	(44,292,643)	(34,230,005)	(43,430,445)	(38,237,172)	(38,310,969)	(47,454,621)	(49,565,249)	(50,756,817)	(43,957,458)
Contribution deficiency	$ 104,955,855	$ 93,366,242	$ 125,321,335	$ 129,566,264	$ 119,468,173	$ 94,917,117	$ 139,893,802	$ 157,113,265	$ 140,114,635	$ 145,949,744
Covered payroll	$ 1,806,600,924	$ 1,632,797,650	$ 1,572,958,479	$ 1,583,198,305	$ 1,603,347,918	$ 1,576,658,158	$ 1,602,986,483	$ 1,609,559,234	$ 1,597,597,077	$ 1,514,550,023
Contributions as a percentage of covered payroll	2.61%	2.71%	2.18%	2.74%	2.38%	2.43%	2.96%	3.08%	3.18%	2.90%

Notes to Schedule

Valuation Date:	December 31, 2023
Methods and assumptions used to determine contribution rates:	
Actuarial cost method	Entry Age Normal
Amortization method	Level Dollar - Open
Remaining amortization period	30 years
Inflation	2.50% per year
Salary increases	3.00% to 5.00%, based on service
Health care cost trend rate	7.000% in the first year, decreasing by .25% per year until an ultimate rate of 4.500% is reached for pre-Medicare 5.750% decreasing by 0.125% per year until an ultimate rate of 4.500% is reached for post-Medicare
Retirement age	Based on actual past experience, assume all employees retire by age 80 (Tier 1 participants) and 75 (Tier 2 participants)
Mortality	Pub-2010 amount-weighted tables projected from 2010 using generational improvement with Scale MP-2021

SUPPLEMENTARY INFORMATION

County Employees' and Officers' Annuity
and Benefit Fund of Cook County

Schedules of Net Administrative Expenses
and Professional and Consulting Fees

Years Ended December 31, 2023 and 2022

	2023	2022
Administrative expenses		
Bank charges	$ 37,069	$ 34,333
Election expense	5,032	63,046
Employee benefits	437,819	436,867
Insurance - fidelity, fiduciary and liability	173,285	184,466
Maintenance of equipment, systems, software and support	355,329	339,456
Membership, conferences and training	37,029	22,164
Office expense	46,871	43,387
Postage	106,273	109,430
Printing and stationery	68,954	63,947
Professional and consulting fees	694,394	510,032
Disaster recovery	37,140	37,140
Regulatory filing fees	8,000	8,000
Rent	500,539	593,288
Salaries	2,454,878	2,368,037
Total	4,962,612	4,813,593
Less administrative expenses allocated to Forest Preserve District Employees' Annuity and Benefit Fund of Cook County	(93,356)	(93,426)
Net administrative expenses	$ 4,869,256	$ 4,720,167
Professional and consulting fees		
Actuarial services	$ 73,285	$ 67,046
Audit	70,000	71,135
Consulting	232,205	165,825
Legal	287,306	174,432
Lobbyist	31,598	31,594
Total	$ 694,394	$ 510,032

County Employees' and Officers' Annuity and Benefit Fund of Cook County

Schedules of Investment Expenses

Years Ended December 31, 2023 and 2022

	2023	2022
Investment manager expense		
Adelante Capital Management	$ 621,132	$ 656,968
Allspring Global Investments	1,464,534	1,451,336
Angelo Gordon	173,703	185,892
Ariel Investments	632,940	752,121
Artemis Real Estate Partners	955,747	761,901
Basis Investment Group	375,000	591,781
Blackstone Alternative Asset Management	5,981,425	6,503,985
Boston Common Asset Management	764,371	730,684
CastleArk Management	829,145	832,420
CBRE Global Investors	278,168	265,554
Channing Capital Management	1,474,000	1,450,363
Clarion Partners	2,179,063	2,131,843
Franklin Templeton Investments	2,072,291	2,216,697
Frontier Capital Management	1,605,533	1,489,723
Garcia Hamilton	136,970	145,638
Great Lakes Advisors, Inc.	619,746	591,334
J.P. Morgan Asset Management	2,227,432	2,567,664
LaSalle Investment Management	335,043	405,610
Lazard Asset Management, LLC	796,201	750,656
LM Capital Group, LLC	557,778	471,337
MacKay Shields	993,375	1,003,846
Mellon Capital	210,950	163,070
Mesirow Financial	4,011,685	4,124,397

County Employees' and Officers' Annuity and Benefit Fund of Cook County

Schedules of Investment Expenses (Continued)

Years Ended December 31, 2023 and 2022

	2023	2022
Investment manager expense (continued)		
Mondrian Investment Partners, Ltd.	$ 1,140,005	$ 1,139,627
Muller and Monroe Asset Management	181,028	213,306
New Century Investment Management	309,899	284,568
PGIM Investments	867,080	873,037
Prudential Real Estate Investors	2,442,199	2,687,543
RhumbLine Advisers	250,710	255,277
Russell Investments	186,216	176,185
SPC Capital Management	5,949	7,195
Strategic Global Advisors	779,552	719,897
State Street Global Advisors	468,395	425,679
The Rock Creek Group	1,409,473	1,568,822
William Blair & Company	997,863	952,992
Xponance	400,657	436,587
Investment management expenses	38,735,258	39,985,535
Investment consulting fees		
Callan LLC	402,969	396,963
Investment custodian fees		
BNY Mellon	387,962	384,295
Total investment expenses	$ 39,526,189	$ 40,766,793

County Employees' and Officers' Annuity
and Benefit Fund of Cook County

Schedule of Additions by Source

Year Ended December 31,	Employer Contributions	Employee Contributions	Net Investment and Net Securities Lending Income (1)	Other (2)	Total Additions
2018	$ 587,748,221	$ 134,159,171	$ (424,787,945)	$ 27,479,205	$ 324,598,652
2019	526,240,864	134,837,512	1,865,645,039	35,158,714	2,561,882,129
2020	509,209,160	134,157,866	1,465,457,845	36,669,560	2,145,494,431
2021	541,300,175	133,368,302	1,960,919,641	39,562,675	2,675,150,793
2022	525,233,835	136,293,311	(1,867,355,079)	42,907,044	(1,162,920,889)
2023	472,739,426	148,019,071	1,428,290,720	48,850,696	2,097,899,913

Schedule of Deductions by Type

Year Ended December 31,	Benefits	Refunds	Employee Transfers to Forest Preserve Fund	Net Administrative Expenses	Total Deductions
2018	$ 831,661,745	$ 33,662,521	$ - (3)	$ 5,134,047	$ 870,458,313
2019	890,115,295	37,745,951	- (3)	5,085,445	932,946,691
2020	950,137,294	30,990,651	714,659	5,000,609	986,843,213
2021	1,001,104,106	36,979,751	42,007	5,107,805	1,043,233,669
2022	1,061,568,488	33,588,190	-	4,720,167	1,099,876,845
2023	1,120,530,701	37,052,977	-	4,869,256	1,162,452,934

1 - Includes realized and unrealized net gain or loss on investments and net securities lending income.

2 - Includes employer federal subsidized programs, EGWP/Medicare Part D, prescription/repayment plan rebates, employee transfers, and miscellaneous income.

3 - Employee transfers were added under "Other" in Schedule of Additions By Source above.

County Employees' and Officers' Annuity and Benefit Fund of Cook County

Schedule of Employer Contributions Receivable

December 31, 2023

Contribution Year	Contributions Receivable	Uncollected Balance	Reserved	Net Contributions Receivable
2022	$ 202,168,959	$ 7,768,165	$ 5,318,881	$ 2,449,284
2023	193,065,759	193,065,759	3,720,477	189,345,282
		$ 200,833,924	$ 9,039,358	$ 191,794,566

Note:

Employer contributions are funded primarily through property taxes levied by Cook County, Illinois.