

# City of Miami Fire Fighters' and Police Officers' Retirement Trust

January 1, 2023 | COLA Fund Report

Actuarial Certification	3
Executive Summary	5
Summary Results Changes Since Prior Valuation and Key Notes Historical Valuation Summary Plan Maturity Measures Identification of Risks	5 6 7 8 9
Assets Information	10
Market Value Reconciliation Membership and Benefits Cost-of-Living Adjustments Account Summary Investment Results Actuarial Value of Assets Development of Actuarial Asset Value for COLA Transfer Rate of Return on COLA Transfer Actuarial Asset Value Excess Investment Return	10 11 12 14 15 16 17
COLA Asset and Liability	18
Summary of Assets Available for Benefits Summary of Liabilities	18 19
COLA Measurements	20
COLA Fund Table Amount Determination of Net Cumulative Experience Position (Preliminary)	20 21
Plan Provisions	22
Actuarial Assumptions	25
Other Measurements	28
Florida State Requirements GASB 5 For COLA Fund	29 42



At the request of the plan sponsor, this report summarizes the COLA Fund for the City of Miami Fire Fighters and Police Officers as of 1/1/2023. The purpose of this report is to communicate the following results of the valuation:

- 10/1/2022 Asset Information;
- 1/1/2023 COLA Fund Amounts.

This report has been prepared for the above purposes. Consequently, it may not be appropriate for other purposes. Please contact Nyhart prior to disclosing this report to any other party or relying on its content for any purpose other than that explained above. Failure to do so may result in misrepresentation or misinterpretation of this report.

The results in this report were prepared using information provided to us by other parties. The census information has been provided to us by the Plan Administrator. We have reviewed the provided data for reasonableness when compared to prior information provided, but have not audited the data. Where relevant data may be missing, we have made assumptions we believe to be reasonable. We are not aware of any significant issues with and have relied on the data provided. Any errors in the data provided may result in a different result than those provided in this report.

The funding method, interest rates and mortality used in determining the COLA fund were determined by the Board. Evaluation of the reasonableness of these methods and assumptions was outside the scope of our assignment. In our opinion, all other actuarial assumptions and methods are individually reasonable and in combination represent our best estimate of anticipated experience of the plan.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following:

- plan experience differing from that anticipated by the economic or demographic assumptions;
- changes in economic or demographic assumptions;
- increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and
- changes in plan provisions or applicable law.

We did not perform an analysis of the potential range of future measurements due to the limited scope of our engagement. This report has been prepared in accordance with generally accepted actuarial principles and practice.



In preparing these results, Nyhart used ProVal valuation software developed by Winklevoss Technologies, LLC. This software is widely used for the purpose of performing pension valuations. We coded the plan provisions, assumptions, methods, and participant data summarized in this report, and reviewed the liability and cost outputs for reasonableness. We are not aware of any weaknesses or limitations in the software, and have determined it is appropriate for performing this valuation.

Neither Nyhart nor any of its employees have any relationship with the plan or its sponsor which could impair or appear to impair the objectivity of this report. To the extent that this report or any attachment concerns tax matters, it is not intended to be used and cannot be used by a taxpayer for the purpose of avoiding penalties that may be imposed by law.

The undersigned are compliant with the continuing education requirements of the Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States.

Nyhart

Janielle Winegardner

Danielle Winegardner, FSA, EA, MAAA

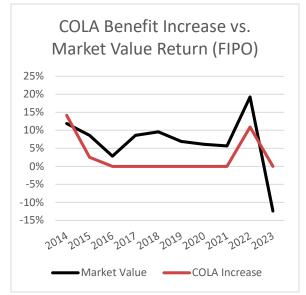
Lawrence Watts, Jr., FSA, EA, FCA, CFA, MAAA

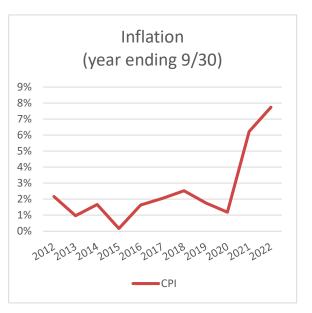
December 9, 2022 Date



#### **Summary Results**

	October 1, 2021	October 1, 2022
COLA Table Amount	\$1,670	\$1,852
Proposed COLA Table Amount	\$1,852	\$1,852
Asset Performance		
Market Value of Assets	\$1,306,437,051	\$1,080,862,803
Actuarial Value of Assets	\$1,213,074,854	\$1,209,691,816
Actuarial Asset Value Return	8.59%	5.15%
COLA Fund Asset Value Return	19.80%	(12.70%)
COLA Information		
Current COLA Assets	\$477,331,528	\$396,278,670
Future Contributions (discounted)	114,013,746	118,574,299
Assets for COLA	\$591,345,274	\$514,852,969
COLA Liability	\$425,699,444	\$476,308,300
Net Reserve	28.0%	7.5%
Target Reserve (20% of Asset Value)	\$118,269,055	\$102,970,594
Actual Reserve	\$165,645,830	\$38,544,669
COLA Information, after Increase in COLA Tab	le Amount	
Net Reserve	20.2%	No Change
Actual Reserve	\$119,459,275	No Change
Participant Information		
Active	1,915	1,935
Retirees and Beneficiaries	2,125	2,127
Disableds	111	109
Terminated Vesteds	28	18
Terminated, Due a Refund	120	108
Total	4,299	4,297

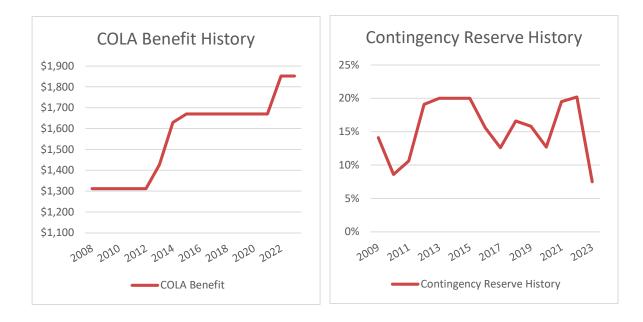






#### **Changes Since Prior Valuation and Key Notes**

Based on a target reserve of 20% and prior Board practice, we recommend keeping the COLA table at \$1,852 as of January 1, 2023. The contingency reserve is 7.5%, a decrease from the prior year's 20.2%. A historical graph of the COLA table level and contingency reserve amount are below.





# **Historical Valuation Summary**

	10/1/2016	10/1/2017	10/1/2018	10/1/2019	10/1/2020	10/1/2021	10/1/2022
COLA Table Amount	\$1,670	\$1,670	\$1,670	\$1,670	\$1,670	\$1,670	\$1,852
Proposed COLA	\$1,670	\$1,670	\$1,670	\$1,670	\$1,670	\$1,852	\$1,852
Asset Performance (FIPO)							
Market Value of Assets	\$1,109,146,744	\$1,131,066,046	\$1,140,506,121	\$1,149,117,960	\$1,150,108,084	\$1,306,437,051	\$1,080,862,803
Actuarial Value of Assets	\$1,150,653,520	\$1,161,585,161	\$1,172,416,575	\$1,189,509,806	\$1,176,911,870	\$1,213,074,854	\$1,209,691,816
Actuarial Asset Value Return	6.50%	6.76%	6.66%	6.48%	6.25%	8.44%	5.15%
COLA Information							
Current COLA Assets	\$392,859,018	\$420,284,415	\$426,176,255	\$412,090,602	\$416,022,491	\$477,331,528	\$396,278,670
Future Contributions (discounted)	\$88,371,217	\$91,906,070	\$96,631,033	\$100,496,275	\$104,516,121	\$114,013,746	\$118,574,299
Assets for COLA	\$481,230,235	\$512,190,485	\$522,807,288	\$512,586,877	\$520,538,612	\$591,345,274	\$514,852,969
COLA Liability	\$420,490,548	\$427,229,145	\$440,222,258	\$447,248,968	\$418,988,989	\$425,699,444	\$476,308,300
Net Reserve	12.60%	16.60%	15.80%	12.70%	19.50%	28.00%	7.50%
Target Reserve (20% of Asset Value)	\$96,246,047	\$102,438,097	\$104,561,458	\$102,517,375	\$104,107,722	\$118,269,055	\$102,970,594
Actual Reserve	\$60,739,687	\$84,961,340	\$82,585,030	\$65,337,909	\$101,549,623	\$165,645,830	\$38,544,669
COLA Information, after Increase i	n COLA Table Am	ount					
Net Reserve						20.20%	
Actual Reserve						\$119,459,275	
Participant Information							
Active	1,869	1,943	1,998	2,003	1,931	1,915	1,935
Retirees and Beneficiaries	2,062	2,052	2,072	2,072	2,108	2,125	2,127
Disableds	143	136	130	121	115	111	109
Terminated Vesteds	15	16	14	13	26	28	18
Terminated, Due a Refund		97	112	115	117	120	108
Total	4,089	4,244	4,326	4,324	4,297	4,299	4,297



#### Plan Maturity Measures – October 1, 2022

Each pension plan has a distinct life-cycle. New plans promise future benefits to active employees and then accumulate assets to pre-fund those benefits. As the plan matures, benefits are paid and the pre-funded assets begin to decumulate until ultimately, the plan pays out all benefits. A plan's maturity has a dramatic influence on how risks should be viewed. The following maturity measures illustrate where the COLA Fund of the City of Miami Fire Fighters' and Police Officers' Retirement Trust falls in its life-cycle.

#### **Duration of Liabilities: 11.0**

Duration is the most common measure of plan maturity. It is defined as the sensitivity of the liabilities to a change in the interest rate assumption. The metric also approximates the weighted average length of time, in years, until benefits are expected to be paid. A plan with high duration is, by definition, more sensitive to changes in interest rates. A plan with low duration is more susceptible to risk if asset performance deviates from expectations as there would be less time to make up for market losses in adverse market environments while more favorable environments could result in trapped surplus from gains. Conversely, high duration plans can often take on more risk when investing, and low duration plans are less sensitive to interest rate fluctuations.

#### Demographic Distribution - Ratio of Actively Accruing Participants to All Participants: 45.1%

A plan with a high ratio is more sensitive to fluctuations in salary (if a salary-based plan) and statutory changes. A plan with a low ratio is at higher risk from demographic experience. Such a plan should pay close attention to valuation assumptions as there will be less opportunity to realize future offsetting gains or losses when current experience deviates from assumptions. Plans with a low ratio also have limited opportunities to make alterations to plan design to affect future funded status.

#### Asset Leverage - Ratio of Payroll for Plan Participants to Market Value of Assets: 17.5%

Younger plans typically have a large payroll base from which to draw in order to fund the plan while mature plans often have a large pool of assets dedicated to providing benefits to a population primarily consisting of members no longer on payroll. Plans with low asset leverage will find it more difficult to address underfunding, as the contributions needed to make up the deficit will represent a higher percentage of payroll than for a plan with high asset leverage.

# Benefit Payment Percentage - Ratio of Annual Benefit Payments to Market Value of Assets: 7.4%

As a plan enters its decumulation phase, a larger percentage of the pre-funded assets are paid out each year to retirees. A high percentage is not cause for alarm as long as the plan is nearly fully funded. However, such a plan is more sensitive to negative asset performance, especially if cash contributions are not an option to make up for losses.



#### **Identification of Risks**

The results presented in this report are shown as single point values. However, these values are derived using assumptions about future markets and demographic behavior. If actual experience deviates from our assumptions, the actual results for the plan will consequently deviate from those presented in this report. Therefore, it is critical to understand the risks facing this pension plan. The following table shows the risks we believe are most relevant to the COLA fund of the City of Miami Fire Fighters' and Police Officers' Retirement Trust. The risks are generally ordered with those we believe to have the most significance at the top. Also shown are possible methods by which a more detailed assessment of the risk can be performed.

Type of Risk	Method to Assess Risk
Investment Return	Scenario Testing; Asset Liability Study
Interest Rates	Scenario Testing; Asset Liability Study
Participant Longevity	Stress Testing; Scenario Testing
Early Retirement	Stress Testing; Scenario Testing



# **Market Value Reconciliation**

The amount of assets backing the pension promise is typically the most significant driver of volatility and future costs within a pension plan. The investment performance of the assets directly offsets the ultimate cost.

			September 30, 20
		Membership and	COLA Account
		Benefit Accounts	
1.	Market value – beginning of prior year	\$1,306,437,051	\$477,331,528
2.	Book value – beginning of prior year	\$1,074,022,569	\$392,413,401
3.	Income		
	(a) City contributions	\$65,889,915	\$7,496,759
	(b) Member contributions	17,385,718	0
	(c) Other contributions	0	0
	(d) Interest and dividends	11,697,736	4,170,435
	(e) Net realized gains (losses)	21,388,000	7,552,711
	(f) Securities lending income	130,133	46,576
	(g) Rental and other income	174,500	62,777
	(h) Income transfer	0	0
	(i) Total	\$116,666,002	\$19,329,258
•	Disbursements		
	(a) Benefit payments and refunds	\$145,165,029	\$29,232,051
	(b) Custodial and investment expenses	3,220,780	1,152,621
	(c) Administrative expense	2,137,199	0
	(d) Other expense	0	0
	(e) Securities lending fees	31,067	11,632
	(f) Building depreciation	16,367	5,977
	(g) Total	\$150,570,442	\$30,402,281
•	Book value – beginning of current year [(2)+(3i)-(4g)]	\$1,040,118,129	\$381,340,378
<b>.</b>	Net change in unrealized gains (losses)	(\$191,669,808)	(\$69,979,835)
	Unrealized gains (losses)	\$40,744,674	\$14,938,292
5.	Market value – beginning of current year [(1)+(3i)-(4g)+(6)]	\$1,080,862,803	\$396,278,670
).	Current year allocation to COLA II (discounted)	\$0	N/A
0.	Net market value – beginning of current year	\$1,080,862,803	\$396,278,670



# Membership and Benefits Cost-Of-Living Adjustment Account Summary

			September 30, 2022
		<u>Market</u>	<u>Book</u>
1.	Investments		
	(a) Bill, bonds, notes	\$319,995,418	\$383,805,453
	(b) Domestic stocks	493,859,024	455,167,846
	(c) International stocks	290,974,831	344,669,734
	(d) Private equity	195,829,173	133,748,338
	(e) Money market fund and time deposit	13,228,435	13,228,435
	(f) Mutual fund	162,368,013	89,952,122
	(g) Real estate	2,032,401	2,032,401
	(h) Securities lending adjustment	0	0
	(i) Total investment	\$1,478,287,295	\$1,422,604,329
2.	Cash	\$154,818	\$154,818
3.	Receivables		
	(a) City contributions	\$0	\$0
	(b) Member contributions	0	0
	(c) Accounts receivable	5,952	5,952
	(d) Accrued interest and dividend	1,495,509	1,495,509
	(e) Securities sold	2,236,905	2,236,905
	(f) Total receivables	\$3,738,366	\$3,738,366
4.	Payables:		
	(a) Budget advance	\$0	\$0
	(b) Accrual expense	463	463
	(c) Transfer	0	0
	(d) Tax withheld	0	0
	(e) Accounts payable	325,383	325,383
	(f) Securities purchased	4,713,160	4,713,160
	(g) Total payables	\$5,039,006	\$5,039,006
5.	Total [(1i)+(2)+(3f)-(4g)]	\$1,477,141,473	\$1,421,458,507
6.	COLA account	\$396,278,670	\$381,340,378
7.	Current year COLA transfer	\$0	\$0
8.	Membership & benefits account [(5)-(6)-(7)]	\$1,080,862,803	\$1,040,118,129
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# Investment Results - Membership and Benefits Accounts

# September 30, 2022

	<u>Dollar Return</u>	<u>Market Return</u>	<u>Book Return</u>
Membership and Benefits Accounts			
Interest	\$8,025,125	0.7%	0.8%
Dividends	3,672,611	0.3%	0.4%
Rental and Other Income, less Depreciation	158,133	0.0%	0.0%
Realized Gains	21,388,000	1.6%	2.1%
Securities Lending (Net)	99,066	0.0%	0.0%
Increase in Unrealized Gains	(191,669,808)	(14.7%)	(18.4%)
Custodial and Investment Expenses	(3,220,780)	(0.2%)	(0.4%)
	(\$161,547,653)	(12.3%)	(15.5%)



#### Investment Results – COLA I and II Accounts

# September 30, 2022

#### COLA Accounts

	<u>Dollar Return</u>	<u>Market Return</u>	<u>Book Return</u>
Interest	\$2,868,643	0.6%	0.8%
Dividends	1,301,792	0.3%	0.3%
Rental and Other Income, less Depreciation	56,800	0.0%	0.0%
Realized Gains	7,552,711	1.6%	2.0%
Securities Lending (Net)	34,944	0.0%	0.0%
Increase in Unrealized Gains	(69,979,835)	(15.00%)	(18.30%)
Custodial and Investment Expenses	(1,152,621)	(0.2%)	(0.3%)
	(\$59,317,566)	(12.7%)	(15.5%)



#### **Actuarial Value of Assets**

# September 30, 2022

1.	Expected market value of assets (a) Market value of assets – beginning of prior year (b) City Contributions (c) Member Contributions (d) Benefits payments and administrative expenses (e) Expected return (f) Expected market value of assets – beginning of current year Market value of assets – beginning of current year	\$1,306,437,051 65,889,915 17,385,718 147,302,228 91,592,715 \$1,334,003,171 \$1,080,862,803
3.	Present value of COLA transfers (a) Current year (b) Next year (c) Total	\$0 0 \$0
4.	Market value net COLA transfer [(2)-(3)]	\$1,080,862,803
5.	Amount subject to phase in [(4)-(1f)]	(\$253,140,368)
6.	Phase in of asset gain loss (a) Current Year [80% x (\$253,140,368)] (b) First Prior Year [60% x \$141,132,434)] (c) Second Prior Year [40% x (\$19,371,884)] (d) Third Prior Year [20% x (\$16,237,126)] (e) Total Phase-In	(\$202,512,294) 84,679,460 (7,748,754) (3,247,425) (\$128,829,013)
7.	Preliminary actuarial value of assets – beginning of current year [(2)-(6e)]	\$1,209,691,816
8.	80% of Market value of assets	\$864,690,243
9.	120% of Market value of assets	\$1,297,035,363
10.	Adjusted actuarial value of assets	\$1,209,691,816
11.	Return on actuarial value of assets	5.15%





# **Asset Information**

# Development of Actuarial Asset Value for COLA Transfer

September	30, 2022
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		<u>9/30/2020</u>	<u>9/30/2021</u>	<u>9/30/2022</u>
1.	Book Value	\$1,051,736,655	\$1,074,022,569	\$1,040,118,129
2.	Market Value	\$1,150,108,084	\$1,306,437,051	\$1,080,862,803
3.	[(2)/(1)]	1.0935324	1.2163963	1.0391731
4.	3 year average of book to market value			1.1163673
5.	Adjusted market value [(1)x(4)]			\$1,161,153,867
6.	Contribution surplus			\$0
7.	80% of Adjusted market value, net of contribution surplus			\$864,690,243
8.	120% of Adjusted market value, net of contribution surplus			\$1,297,035,363
9.	Adjusted actuarial value of assets			\$1,161,153,867
10.	Present value of next year COLA transfer			\$0
11.	Final actuarial asset value [(9)+(10)]			\$1,161,153,867



# Rate of return on COLA Transfer Actuarial Asset Value

		September 30, 2022
1.	Actuarial asset value – beginning of prior year	\$1,253,102,729
2.	Contributions (a) City contributions (b) Member contributions (c) Total	\$65,889,915 
3.	Benefits and refunds	\$145,165,029
4.	Present value of COLA transfer	\$0
5.	Contribution surplus	\$0
6.	Actuarial asset value – beginning of current year	\$1,161,153,867
7.	Net return on investment [(6)+(5)-(4)+(3)-(2)-(1)]	(\$30,059,466)
8.	Rate of return	(2.39%)



#### **Excess Investment Return**

		September 30, 2022
1.	Expected return on actuarial asset value	
	(a) Actuarial asset value as of beginning of prior year	\$1,253,102,729
	(b) City Contributions	\$65,889,915
	(c) Member Contributions	\$17,385,718
	(d) Benefits paid and refunds	\$145,165,029
	(e) Expected return at 7.00% <sup>1</sup>	\$87,932,849
	(f) Base amount for expected return [(e)/7.00%]	\$1,256,183,557
2.	Actual return on actuarial asset value	(\$30,059,466)
3.	Excess return on assets [(2)-(1e)]	(\$117,992,315)
4.	Amount to be transferred to COLA fund (limited to cumulative experience position)	
	(a) Excess return	
	(i) First 2.5%	\$0
	(ii) Next 2.5%	0
	(iii) Next 2.5%	0
	(iv) Total	\$0
	(b) Potential COLA Transfer	
	(i) 75% of (4a)(i)	\$0
	(ii) 50% of (4a)(ii)	0
	(iii) 25% of (4a)(iii)	0
	(iv) Total	\$0
	(c) Cumulative Experience Gain (Loss):	(\$417,543,419)
	(d) Transfer of Excess Investment Income <sup>2</sup> :	\$0

<sup>1</sup>Assumes mid-year member contributions and benefits and beginning of year City contributions.

<sup>2</sup>Excess returns can only be transferred if the Plan is in a Net Positive Experience Position. Due to the Cumulative Experience Loss, the amount of assets transferred to the COLA fund is limited to \$0.



# Summary of Assets Available for Benefits

		October 1, 2022
1.	COLA Accounts	\$396,278,670
2.	Transfers of Excess Investment Income	
	(a) Current year	\$0
	(b) Next year	0
	(c) Total	\$0
3.	Minimum City Contributions	
	(a) Expected contributions	\$8,432,834
	(b) Permanent, discounted annuity [1/1.0700 <sup>2.25ä</sup> ∞]	12.2684151
	(c) Expected future contributions [(a)x(b)]	\$103,457,508
4.	Discounted City Contribution	
	(a) \$7,796,629 due on January 1, 2023	\$7,665,861
	(b) \$8,108,494 due on January 1, 2024	7,450,930
	(c) Total	\$15,116,791
5.	Assets available [(1)+(2)+(3)+(4)]	\$514,852,969



# Summary of Liabilities

		October 1, 2022
1.	Present value of existing COLA benefits	
	(a) COLA for inactives	397,511,217
	(b) Reserve for current actives	68,519,203
	(c) Reserve for future actives [(15% of (b)]	10,277,880
	(d) Total	\$476,308,300
2.	Contingency reserve [20% of assets available]	\$102,970,594
3.	Unallocated reserve (not greater than \$0)	(\$64,425,925)
4.	Total Liability [(1d)+(2)+(3)]	\$514,852,969



### **COLA Fund Table Amount**

		October 1, 2022
1.	Assets available for COLA benefits	\$514,852,969
2.	Liability based on current table (a) COLA II for inactives (b) Reserve for current actives (c) Reserve for future actives (d) Sub-Total (e) COLA I for inactives (f) Total	\$397,225,728 68,519,203 10,277,880 \$476,022,811 \$285,489 \$476,308,300
3.	20% Contingency reserve	\$102,970,594
4.	Unallocated reserve (not greater than \$0)	(\$64,425,925)
5.	Available assets [(1)-(2)-(3)-(4)]	\$0
6.	Excess investment income transfer, discounted	\$0
7.	Net available assets [(5)-(6)]	\$0
8.	Increase ratio [(7)/(2d)]	0.000000
9.	Prior year COLA	\$1,852
10.	Potential table increase [(8)x(9)]	\$0
11.	Potential new table amount [(8)+(9)]	\$1,852



# **Determination of Net Cumulative Experience Position (Preliminary)**

		October 1, 2022
1.	Expected unfunded actuarial liability (a) Expected unfunded actuarial liability – beginning of prior year (b) Entry age normal cost – payable by employer (c) Assumption changes (d) Plan Provisions (e) Contributions (f) Interest on prior year unfunded actuarial liability (g) Expected unfunded actuarial liability – beginning of current year	\$512,271,669 29,107,301 0 (65,889,915) 64,112,562 \$539,601,617
2.	Entry age reserve <sup>1</sup> (a) Active (b) Inactive (c) Total	\$657,690,188 
3.	Actuarial asset value	\$1,209,691,816
4.	Actual unfunded actuarial liability [(2)-(3)]	\$957,145,036
5.	Cumulative experience gain (loss) [(1g)-(4)]	(\$417,543,419)
	Future Transfers of Excess Investment Income Contribution for current year, discounted Contribution for next year, discounted Preliminary transfer Final transfer – if cumulative loss, then 0	\$0 \$0 \$0 \$0 \$0

<sup>1</sup>The assumptions and plan provisions used can be found in the October 1, 2021 Valuation Report.



#### **Plan Status**

January 1, 1994 amended January 1, 1995

#### **Eligibility for Participation**

All inactive members in Miami Firefighters' and Police Officers' Retirement Trust

#### Available Assets:

Existing COLA assets as of January 1, 1995; beginning with the 1991/92 fiscal year, a percentage of excess investment return on FIPO assets (75% of first 2.5%, 50% of next 2.5%, 25% of next 2.5%), subject to a minimum City contribution of \$2.5 million, increasing 4% annually.

#### **Allocated Assets:**

Current COLA assets as of September 30, 2020, plus present value of \$2.5 million minimum guarantee. The 4% future annual increases is not preallocated. A contingency reserve of 20% has been established for adverse experience.

#### **COLA Benefits:**

In addition to prior COLA, benefits are based on attached table, with \$1,852 monthly benefit for 25 years of creditable service and 22 completed years of retirement (after age 46). The \$1,852 amount is reduced by 5% for each year of retirement less than 22 and each year of creditable service less than 25 and increased similarly for years of retirement greater than 22 and years of creditable service greater than 25.

Benefits are based on the FIPO option elected. Tabular amounts are adjusted, based on the FIPO adjustments at the time of FIPO benefit commencement, for options other than Option 8 (Joint & 40%). Surviving spouses receive the percentage of the table amount determined under the FIPO election.

Service-incurred and accidental disabilities and deaths receive benefits based on the greater of 25 years or actual creditable service.



#### **Creditable Service**

# For Vesting and Benefit Accrual

Service credited under Retirement System; military service (maximum of four years) during wartime for which Member makes contributions; maternity leave (maximum of 180 days for each leave) for which Member makes contributions; up to 5 years, without member contributions, if member was an employee before period of military service.

Accumulated leave balances may be transferred into system immediately prior to retirement to purchase up to 3 whole years of additional Creditable Service, on an actuarially equivalent basis.

457 balances of Firefighters may be transferred into System at retirement to purchase up to 3 whole years of additional Creditable Service for multiplier purposes.

#### **Payment Forms**

Normal Form Joint and 40% Contingent Survivor

**Optional Forms** 

Option 1 – Cash refund annuity based on Present Value at retirement

Option 2 – Joint and 100% Contingent Annuity

Option 3 – Joint and 50% Contingent Annuity

Option 4 – Joint and Contingent Annuity approved by the Board

Option 5 – Determined by Board due to incapacity of member

Option 6 – Withdrawal of member contributions with interest and benefit that is ½ of normal level.



# Changes since prior valuation

Effective January 1, 2022, the COLA Table has been increased from \$1,670 to \$1,852.



# COLA Fund Table as of January 1, 2023 Actuarial Assumptions

Cost Method	Accrued Benefit Cost Method, based on benefits granted to date		
Asset Valuation Method	Market Value, plus present value of future minimum City contributions		
Interest Rates	7.00% net of investment expenses		
	Support for the discount rate assumption has been provided in the experience study report dated January 2021.		
Annual Pay Increases	3.25% inflation and 1.5% for promotions and other increases plus salary merit scale below		
	Service         Police         Fire           0-6         5.0%         5.0%           7         2.5%         5.0%           8-9         5.0%         5.0%           10-14         1.0%         0.0%           15-16         1.25%         2.5%           17-21         1.0%         1.0%           22+         0.0%         0.0%		
	The annual pay increases are based on a study of actual experience for the plan during 2017-2020. See the experience study report dated January 2021.		
Expense	None assumed		
Compensated Absence Balance Transfers	No liabilities or costs are included for the provision to transfer compensated absence balances into FIPO to purchase additional creditable service, based on our understanding that assets will be transferred immediately prior to retirement to cover 100% of the liability for the additional service.		
Marital Status and Ages	100% of Members are assumed to be married. Female spouses assumed to be 3 years younger than male spouses.		



# COLA Fund Table as of January 1, 2023 Actuarial Assumptions

# **Mortality Rates**

Pre-Retirement:	Pub-2010 Generational using scale MP-2018; Females, Headcount Weighted Safety Employee Female Table, set forward 1 year; Males, Headcount Weighted Safety Below Median Employee Male Table, set forward 1 year.			
Post-Retirement:	Pub-2010 Generational using scale MP-2018; Females, Headcount Weighted Safety Healthy Retiree Female Table, set forward 1 year; Males, Headcount Weighted Safety Below Median Healthy Retiree Male Table, set forward 1 year			
Disabled:	Pub-2010; Females, 80% Headcount Weighted General Disabled Retiree Female Table / 20% Headcount Weighted Safety Disabled Retiree Female Table; Males, 80% Headcount Weighted General Disabled Retiree Male Table / 20% Headcount Weighted Safety Disabled Retiree Male Table.			
	The mortality rate assumptions were set in accordance with the Florida Retirement System Valuation report dated December 2019. The board adopted the new mortality tables for the October 1, 2019 valuation.			
Retirement Rates	The following dec	rements apply	<i>ı</i> , based on service.	
	Years of Service <20 20 21-24 25 26-29 30-34 35	Police % 0 15 20 50 40 100	<u>Fire %</u> 0 10 7.5 20 20 40 100	

The assumed retirement rates are based on a study of actual experience for the plan during 2017-2020. See the experience study report dated January 2021.



Withdrawal of Employee Contributions	It is assumed that employees do not withdraw their contribution balances upon employment termination or retirement.			
Disability Rates	100% of the disabilities are expected to be accidental with the following probabilities. No recovery is assumed.			
	AgeRates350.07125%400.09750%450.20000%500.30250%The disability rates are based on a study of actual experience for the plan during 2017-2020. See the experience study report dated January 2021.			
Withdrawal Rates	Based on Years of Creditable Service using the rates below			
	Years of Service         Police %         Fire %           0         12.00         7.50           1         4.00         4.00           2-6         1.50         1.75           7-19         0.75         1.00           20+         0.00         0.00   The withdrawal rates are based on a study of actual experience for the plan during 2017-2020. See the experience study report dated January 2021.			

Changes since prior valuation

None



The actuarial report also shows the necessary items required for plan reporting and the any state requirements.

- ✓ Florida State Requirements
  - Comparative Summary of Principal Valuation Results
  - Separation for Police & Fire
  - Comparison of payroll growth, salary increases and investment returns
  - Requirements under Florida Statute 112.664 and F.A.C. 60T-1.0035
- ✓ Historical COLA GASB 5 Disclosures



Compa	rative Summary Of Principal Valuation Results			
		10/1/2022	10/1/2022	10/1/2021
		7.00%	7.00%	7.00%
		(Plan &	(prior methods &	
		Assumption	assumptions)	
Particin	ant Data	Changes)		
i ai ticip	Active members	1,935	1,935	1,915
	Total annual payroll	\$189,755,997	\$189,755,997	\$178,831,741
	Members in DROP	203	203	194
	Total annualized benefit	\$406,947	\$406,947	\$355,800
	Retired members and beneficiaries	1,924	1,924	1,931
	Total annualized benefit	\$29,160,408	\$29,160,408	\$25,861,492
	Disabled members receiving benefits	109	108	111
	Total annualized benefit	\$2,891,592	\$2,891,592	\$2,645,266
	Terminated vested members	18	18	28
	Total annualized benefit	\$17,003	\$17,002	\$18,455
Assets				
	Actuarial value of assets	\$514,852,969	\$514,852,969	\$591,345,274
	Market value of assets	\$396,278,670	\$396,278,670	\$477,331,528



# Comparative Summary Of Principal Valuation Results (continued)

	10/1/2022 7.00%	10/1/2022 7.00%	10/1/2021 7.00%
	(Plan & Assumption Changes)	(prior methods & assumptions)	
Liabilities, present value of all future expected benefit payments			
Active members			
Retirement benefits	\$64,733,488	\$58,371,990	\$55,803,438
Vesting benefits	\$1,846,951	\$1,665,447	\$1,643,488
Disability benefits	\$1,532,792	\$1,382,161	\$1,371,861
Death benefits	\$405,972	\$366,076	\$360,664
Return of contribution	\$0	\$0	\$0
Reserve for future actives	\$10,277,880	\$9,267,851	\$8,876,918
Total	\$78,797,083	\$71,053,525	\$68,056,369
Terminated vested members	\$618,468	\$557,690	\$794,329
Retired members and beneficiaries	\$372,345,583	\$335,754,386	\$334,049,332
Disabled members	\$24,547,166	\$22,134,864	\$22,799,414
Total	\$476,308,300	\$429,500,465	\$425,699,444
Liabilities due and unpaid	\$0	\$0	\$0
Actuarial accrued liability	N/A	N/A	N/A
Unfunded actuarial accrued liability	N/A	N/A	N/A



Comparative Summary Of Principal Valuation Results (continued)			
	10/1/2022	10/1/2022	10/1/2021
	7.00%	7.00%	7.00%
	(Plan & Assumption Changes)	(prior methods & assumptions)	
Actuarial present value of accrued benefits			
Statement of actuarial present value of all accrued benefits Vested accrued benefits			
Inactive members and beneficiaries	\$397,511,217	\$358,446,940	\$357,643,075
Active members	32,252,819	29,083,266	27,944,630
Total value of all vested accrued benefits	\$429,764,036	\$387,530,206	\$385,587,705
Non-vested accrued benefits	459,131	414,011	(793,921)
Total actuarial present value of all accrued benefits	\$430,223,167	\$387,944,217	\$384,793,784
Statement of changes in total actuarial present value of all accrued benefits (ASC 960)			
Actuarial present value of accrued benefits, beginning of year Increase (decrease) during year	\$384,793,784	\$384,793,784	\$376,436,112
Benefits accumulated	\$6,452,737	\$6,452,737	\$1,059,563
Plan amendment	42,278,950	0	(2,459,985)
Changes in actuarial assumptions	0	0	9,544,947
Interest	25,929,747	25,929,747	26,676,405
Benefits paid	(29,232,051)	(29,232,051)	(26,463,258)
Other changes	0	0	0
Net increase (decrease)	\$45,429,383	\$3,150,433	\$8,357,672
Actuarial present value of accrued benefits, end of year	\$430,223,167	\$387,944,217	\$384,793,784



# Comparative Summary Of Principal Valuation Results (continued)

	10/1/2022 7.00% (Plan &	10/1/2022 7.00%	10/1/2021 7.00%
	Assumption Changes)	(prior methods & assumptions)	
Pension cost			
Normal Cost	N/A	N/A	N/A
Member contributions	\$0	\$0	\$0
Expected plan sponsor contribution	\$7,796,629	\$7,796,629	\$7,496,759
As % of payroll	4.11%	4.11%	4.19%
Member Contributions as % of payroll	0.00%	0.00%	0.00%
Past contributions	10/1/2022	10/1/2022	10/1/2021
Required plan sponsor contribution	\$7,496,759	\$7,496,759	\$7,208,422
Required member contribution	\$0	\$0	\$0
Actual contributions made by:			
Plan's sponsor	\$7,496,759	\$7,496,759	\$7,208,422
Members	\$0	\$0	\$0
Other	\$0	\$0	\$0
Net actuarial gain (loss) (if applicable)	N/A	N/A	N/A
Other disclosures (where applicable)			
Present value of active member			
Future salaries at entry age	\$2,309,837,472	\$2,309,837,472	\$2,282,526,057
Future contributions at entry age	\$0	\$0	\$0



# Hypothetical City Contribution Requirement for 2021/2022 Fiscal Year

	Police	Fire	Total
Unfunded actuarial accrued liability	N/A	N/A	N/A
Liabilities, present value of all future expected benefit payments			
Active members			
Retirement benefits	\$37,866,411	\$26,867,077	\$64,733,488
Vesting benefits	1,212,849	634,102	1,846,951
Disability benefits	929,703	603,089	1,532,792
Death benefits	192,813	213,159	405,972
Return of contribution	0	0	0
Reserve for future actives	6,030,266	4,247,614	10,277,880
Total	\$46,232,042	\$32,565,041	\$78,797,083
Terminated vested members	\$545,640	72,828	\$618,468
Retired members and beneficiaries	\$224,866,407	147,479,176	\$372,345,583
Disabled members	\$21,339,577	3,207,589	\$24,547,166
Total	\$292,983,666	\$183,324,634	\$476,308,300
Entry age reserve			
Active	\$20,601,035	\$16,369,692	\$36,970,727
Inactive	246,751,624	150,759,593	397,511,217
Total	\$267,352,659	\$167,129,285	\$434,481,944
Actuarial asset value <sup>1</sup>	\$316,807,895	\$198,045,074	\$514,852,969

<sup>1</sup>Allocated based on Entry Age Reserve



Hypothetical City Contribution Requirement for 2021/2022 Fiscal Year (continued)			
	Police	Fire	Total
Normal cost			
Total present value of future benefits	\$292,983,666	\$183,324,634	\$476,308,300
Present value of future member contributions	\$0	\$0	\$0
Actuarial asset value	(\$316,807,895)	(\$198,045,074)	(\$514,852,969)
Unfunded actuarial accrued liability	\$0	\$0	\$0
Present value of future normal costs	\$0	\$0	\$0
Present value of future payrolls	\$1,366,917,456	\$942,920,016	\$2,309,837,472
Administrative expense <sup>1</sup>	\$0	\$0	\$0
Current payroll	\$111,805,216	\$77,950,781	\$189,755,997
Interest rate	7.00%	7.00%	7.00%
Current normal cost at end of year	\$0	\$0	\$0
As a percentage of payroll	0.00%	0.00%	0.00%
Hypothetical Total			0

<sup>1</sup>Allocated based on Entry Age Reserve



September 30, 2022

# Historical Salary Increases and Asset Performance

			Expected Salary	Asset Return	Asset Return	Asset Return
Year Ending	Payroll Growth	Salary Growth	Growth	(Market)	(Actuarial)	(Expected)
9/30/2022	6.29%	8.84%	7.71%	(12.20%)	5.15%	7.00%
9/30/2021	1.20%	5.00%	7.72%	19.27%	8.59%	7.00%
9/30/2020	5.15%	11.24%	8.05%	5.65%	6.25%	7.34%
9/30/2019	0.83%	8.21%	7.74%	6.11%	6.48%	7.34%
9/30/2018	5.27%	7.39%	7.85%	6.90%	6.66%	7.34%
9/30/2017	6.32%	7.02%	7.85%	8.24%	6.76%	7.42%
9/30/2016	25.22%	10.46%	7.85%	8.42%	6.51%	7.42%
9/30/2015	13.42%	12.60%	7.79%	2.80%	6.18%	7.42%
9/30/2014	10.00%	1.38%	7.72%	8.60%	7.18%	7.50%
9/30/2013	3.70%	3.64%	7.77%	11.20%	6.95%	7.50%
Averages						
3-year				3.43%	6.65%	
5-year				4.65%	6.62%	
10-year	7.74%			6.22%	6.67%	



October	1, 2022

				October 1, 2
	Valuation	- 200 bp <sup>1</sup>	Funding Rate <sup>1</sup>	+ 200 bp <sup>1</sup>
	7.00%	5.00%	7.00%	9.00%
Total pension liability				
Service Cost	\$2,418,475	\$2,418,475	\$2,418,475	\$2,418,475
Interest	26,353,467	26,353,467	26,353,467	26,353,467
Benefit changes	0	42,358,664	42,358,664	42,358,664
Difference between expected and actual experience	4,618,197	3,907,740	3,907,740	3,907,740
Changes in assumptions	0	119,598,297	0	(80,760,160)
Benefit payments	(29,232,051)	(29,232,051)	(29,232,051)	(29,232,051)
Contribution refunds	0	0	0	0
Net change in pension liability	\$4,158,089	\$165,404,592	\$45,806,295	(\$34,953,865)
Total pension liability, beginning of year	\$388,675,649	\$388,675,649	\$388,675,649	\$388,675,649
Total pension liability, end of year	\$392,833,737	\$554,080,240	\$434,481,944	\$353,721,784
lan fiduciary net position				
Contributions - Employer	\$7,496,759	\$7,496,759	\$7,496,759	\$7,496,759
Contributions - State	0	\$0	\$0	\$0
Contributions - Member	0	\$0	\$0	\$0
Net investment income	(59,299,957)	(59,299,957)	(59,299,957)	(59,299,957)
Benefit payments	(29,232,051)	(29,232,051)	(29,232,051)	(29,232,051)
Contribution refunds	0	0	0	0
Administrative expense	0	0	0	0
Other	(17,609)	(17,609)	(17,609)	(17,609)
Net change in plan fiduciary net position	(\$81,052,858)	(\$81,052,858)	(\$81,052,858)	(\$81,052,858)
Plan fiduciary net position, beginning of year	\$477,331,528	\$477,331,528	\$477,331,528	\$477,331,528
Plan fiduciary net position, end of year	\$396,278,670	\$396,278,670	\$396,278,670	\$396,278,670
let pension liability/(asset)	(\$3,444,933)	\$157,801,570	\$38,203,274	(\$42,556,886)
Funded ratio	100.88%	71.52%	91.21%	112.03%
ears that Assets support expected benefit payments	25	18	25	100
stimated city contribution				
Annual dollar value	\$7,796,629	\$7,796,629	\$7,796,629	\$7,796,629
Percentage of payroll	4.11%	4.11%	4.11%	4.11%
Based on valuation assumption with the following changes				
-Interest Rate (as noted)				

-Interest Rate (as noted)



October 1, 2022

Mortality	Valuation Mortality
Interest	7.00%

		<u>Market Value</u>	<u>Investment</u>	<u>Benefit</u>
Year		of Assets	<u>Return</u>	<u>Payments</u>
	1	\$396,278,670	\$26,665,812	\$31,204,767
	2	391,739,715	26,335,373	31,574,229
	3	386,500,859	25,959,065	31,852,868
	4	380,607,056	25,538,829	32,075,781
	5	374,070,104	25,076,034	32,227,142
	6	366,918,996	24,569,736	32,393,413
	7	359,095,319	24,016,858	32,545,129
	8	350,567,048	23,414,737	32,694,577
	9	341,287,208	22,759,949	32,845,692
	10	331,201,465	22,050,580	32,943,530
	11	320,308,515	21,286,240	32,996,814
	12	308,597,941	20,465,251	33,033,114
	13	296,030,078	19,585,152	33,043,247
	14	282,571,983	18,643,451	33,032,629
	15	268,182,805	17,636,924	33,011,828
	16	252,807,901	16,561,412	32,990,579
	17	236,378,734	15,413,009	32,942,953
	18	218,848,790	14,188,588	32,865,214
	19	200,172,164	12,884,551	32,768,505
	20	180,288,210	11,496,250	32,664,606
	21	159,119,854	10,018,491	32,547,597
	22	136,590,748	8,445,145	32,440,304
	23	112,595,589	6,767,977	32,367,850
	24	86,995,716	4,976,986	32,338,771
	25	59,633,931	3,061,108	32,354,850
	26	30,340,189		32,423,345

Year	Market Value	Investment	<u>Benefit</u>
	of Assets	Return	Payments



October 1, 2022

Mortality		t System Generatio	nal Mortality
Interest	5.00%		
	MarkatValue	las se etas e at	Depetit

		<u>Market Value</u>	<u>Investment</u>	<u>Benefit</u>
<u>Year</u>		<u>of Assets</u>	<u>Return</u>	<u>Payments</u>
	1	\$396,278,670	\$19,043,329	\$31,204,767
	2	384,117,232	18,426,134	31,574,229
	3	370,969,137	17,761,848	31,852,868
	4	356,878,117	17,051,792	32,075,781
	5	341,854,128	16,296,855	32,227,142
	6	325,923,841	15,496,234	32,393,413
	7	309,026,662	14,647,629	32,545,129
	8	291,129,162	13,749,063	32,694,577
	9	272,183,648	12,798,056	32,845,692
	10	252,136,012	11,793,258	32,943,530
	11	230,985,740	10,734,428	32,996,814
	12	208,723,354	9,620,412	33,033,114
	13	185,310,652	8,449,527	33,043,247
	14	160,716,932	7,220,103	33,032,629
	15	134,904,406	5,929,991	33,011,828
	16	107,822,569	4,576,424	32,990,579
	17	79,408,414	3,156,892	32,942,953
	18	49,622,353	1,669,509	32,865,214
	19	18,426,648		32,768,505



October 1, 2022

Mortality Interest		Florida Retirement 7.00%	System Generation	nal Mortality
		<u>Market Value</u>	<u>Investment</u>	<u>Benefit</u>
<u>Year</u>		of Assets	<u>Return</u>	<u>Payments</u>
	1	\$396,278,670	\$26,665,812	\$31,204,767
	2	391,739,715	26,335,373	31,574,229
	3	386,500,859	25,959,065	31,852,868
	4	380,607,056	25,538,829	32,075,781
	5	374,070,104	25,076,034	32,227,142
	6	366,918,996	24,569,736	32,393,413
	7	359,095,319	24,016,858	32,545,129
	8	350,567,048	23,414,737	32,694,577
	9	341,287,208	22,759,949	32,845,692
	10	331,201,465	22,050,580	32,943,530
	11	320,308,515	21,286,240	32,996,814
	12	308,597,941	20,465,251	33,033,114
	13	296,030,078	19,585,152	33,043,247
	14	282,571,983	18,643,451	33,032,629
	15	268,182,805	17,636,924	33,011,828
	16	252,807,901	16,561,412	32,990,579
	17	236,378,734	15,413,009	32,942,953
	18	218,848,790	14,188,588	32,865,214
	19	200,172,164	12,884,551	32,768,505
:	20	180,288,210	11,496,250	32,664,606
:	21	159,119,854	10,018,491	32,547,597
:	22	136,590,748	8,445,145	32,440,304
:	23	112,595,589	6,767,977	32,367,850
:	24	86,995,716	4,976,986	32,338,771
:	25	59,633,931	3,061,108	32,354,850
:	26	30,340,189		32,423,345



October 1, 2022

Mortality	Florida Retirement System Generational Mortality
Interest	9.00%

2399,365,01734,552,61831,574,22931650,176,61357,052,01433,246,8563402,343,40634,808,40431,852,86832673,981,77159,186,69433,423,6544405,298,94235,504,58732,075,78133699,744,81161,498,24533,585,4245408,287,74835,326,91532,227,14234727,657,63264,004,08333,728,8636411,387,52135,598,57432,393,41335775,732,85266,723,88233,841,7497414,592,68235,880,35832,564,512936700,814,98566,679,62933,924,5408417,927,91136,173,94832,694,57737826,570,07472,895,65133,968,5109421,407,28236,480,43832,845,69238865,497,71576,398,65533,978,48510425,042,02836,680,325732,968,81440954,182,73584,384,62633,881,39212433,053,22837,520,32133,033,114411,004,685,96988,935,11233,63,25814442,420,91138,634,34433,032,629431,120,173,41599,346,58733,367,82914442,420,91138,644,12233,018,284441,186,156,417105,297,97133,070,29215447,51,71638,844,12233,018,284441,186,156,417105,297,97133,070,29216453,584,01039,369,64632,962,514441,186,156,417105,297,971 <th></th> <th><u>Market Value of</u></th> <th>Investment</th> <th><u>Benefit</u></th> <th></th> <th><u>Market Value of</u></th> <th><u>Investment</u></th> <th><u>Benefit</u></th>		<u>Market Value of</u>	Investment	<u>Benefit</u>		<u>Market Value of</u>	<u>Investment</u>	<u>Benefit</u>
2399,365,01734,552,61831,574,22931650,176,61357,052,01433,246,8563402,343,40634,808,40431,852,86832673,981,77159,186,69433,423,6544405,298,94235,504,58732,075,78133699,744,81161,498,24533,585,4245408,287,74835,326,91532,227,14234727,657,63264,004,08333,728,8636411,387,52135,598,57432,393,41335775,732,85266,723,88233,841,7497414,592,68235,880,35832,564,512936700,814,98566,679,62933,924,5408417,927,91136,173,94832,694,57737826,570,07472,895,65133,968,5109421,407,28236,480,43832,845,69238865,497,71576,398,65533,978,48510425,042,02836,680,325732,968,81440954,182,73584,384,62633,881,39212433,053,22837,520,32133,033,114411,004,685,96988,935,11233,63,25814442,420,91138,634,34433,032,629431,120,173,41599,346,58733,367,82914442,420,91138,644,12233,018,284441,186,156,417105,297,97133,070,29215447,51,71638,844,12233,018,284441,186,156,417105,297,97133,070,29216453,584,01039,369,64632,962,514441,186,156,417105,297,971 <td><u>Year</u></td> <td><u>Assets</u></td> <td><u>Return</u></td> <td><u>Payments</u></td> <td><u>Year</u></td> <td><u>Assets</u></td> <td><u>Return</u></td> <td><u>Payments</u></td>	<u>Year</u>	<u>Assets</u>	<u>Return</u>	<u>Payments</u>	<u>Year</u>	<u>Assets</u>	<u>Return</u>	<u>Payments</u>
3402,343,40634,808,40431,852,86832673,981,77159,186,69433,423,6544405,298,94235,064,58732,075,78133699,744,81161,498,24533,585,4245408,87,74835,526,91532,227,14234727,657,65264,004,08333,728,6636411,387,52135,598,57432,393,41335757,932,85266,672,88233,841,7497414,592,68235,880,35832,545,12936790,814,98569,679,62933,924,5409421,407,28236,480,43832,845,69238865,497,21576,398,65533,978,48510425,042,02836,803,25732,943,53039907,917,38580,217,62433,952,27411428,901,75537,148,28732,996,81440954,182,73584,384,62633,881,39212433,053,22837,520,32133,033,114411,004,685,96988,935,12233,763,20013437,540,43537,223,72333,043,247421,059,857,89193,908,10733,592,58314442,420,91138,363,44233,011,828441,186,156,417105,297,97133,070,29216453,584,01093,969,64332,990,579451,258,384,007118,814,31032,710,35917459,963,39539,946,20632,942,953461,337,488,047118,952,65733,673,65016453,584,01093,969,64332,9768,505481,519,165,382135,51,71<	1	\$396,278,670	\$34,291,114	\$31,204,767	30	\$628,155,506	\$55,078,459	\$33,057,352
4405,298,94235,064,58732,075,78133699,744,81161,498,24533,585,4245408,287,74835,296,1532,227,14234727,657,63264,004,08333,728,6836411,387,52135,598,57432,393,41335757,932,85266,723,88233,924,5407414,592,68235,880,55832,545,12936750,814,98569,679,62933,924,5408417,927,91136,173,94832,694,57737826,570,07472,895,65133,968,5109421,407,28236,480,43832,845,69238865,497,21567,638,65533,978,48510425,042,02836,803,25732,945,51039907,917,38580,217,62433,952,27411428,901,75537,148,28732,996,81440954,182,73584,384,62633,881,39212433,053,22837,520,32133,033,114411,004,685,96988,935,12233,763,20013437,540,43537,923,72333,043,247421,059,857,89193,908,10733,592,58314442,420,91138,363,4430,02,629431,120,173,41599,346,58733,363,58515447,751,71638,441,12233,011,828441,186,156,417105,297,97133,070,29216453,584,01039,369,64432,904,595451,258,384,006111,814,31032,710,35917459,963,33544,204,97832,664,606491,623,330,078144,755,741 <td>2</td> <td>399,365,017</td> <td>34,552,618</td> <td>31,574,229</td> <td>31</td> <td>650,176,613</td> <td>57,052,014</td> <td>33,246,856</td>	2	399,365,017	34,552,618	31,574,229	31	650,176,613	57,052,014	33,246,856
5       408,287,748       35,326,915       32,227,142       34       727,657,632       64,004,083       33,728,863         6       411,387,521       35,598,574       32,393,413       35       757,332,852       66,723,882       33,942,854         7       414,592,682       35,803,358       32,645,129       36       790,814,985       69,679,629       33,968,510         9       421,407,282       36,803,453       32,645,692       38       865,497,215       76,398,655       33,978,485         10       425,042,028       36,803,257       32,943,530       39       907,917,385       80,217,624       33,982,512         11       428,901,755       37,148,287       32,996,814       40       954,182,735       84,384,626       33,81,320         12       433,053,228       37,520,321       33,033,114       41       1,004,685,969       88,935,122       33,63,83,200         13       447,751,716       38,844,122       33,011,828       44       1,186,156,417       105,297,971       33,070,292         16       453,584,010       39,369,964       32,990,579       45       1,228,384,096       111,814,310       32,717,035         17       459,963,395       39,946,206       32,942,953	3	402,343,406	34,808,404	31,852,868	32	673,981,771	59,186,694	33,423,654
6411,387,52135,998,57432,393,41335757,932,85266,723,88233,841,7497414,592,68235,880,35832,545,12936790,814,98569,679,62933,924,5408417,927,91136,173,94832,694,57737826,570,07472,895,65133,968,5109421,407,28236,40,43832,845,69238865,497,21576,398,65533,978,48510425,042,02836,803,25732,943,53039907,917,38580,217,62433,952,27411428,901,75537,148,28732,996,81440954,182,73584,384,62633,881,39212433,053,22837,520,32133,033,114411,004,685,96988,935,12233,763,20013437,540,43537,923,72333,043,247421,059,857,89193,908,10733,592,58314442,420,91138,363,43433,032,629431,120,173,41599,346,58733,363,58515447,751,71638,364,12233,011,828441,186,156,417105,297,97133,070,29216453,584,01039,369,64632,990,579451,258,384,017118,952,65732,279,03817459,963,39539,946,20632,942,953461,337,488,047118,952,65732,279,03818466,966,64840,579,92232,865,214471,424,161,666126,775,61331,171,89719474,681,35641,278,05332,646,606491,623,330,07814,4	4	405,298,942	35,064,587	32,075,781	33	699,744,811	61,498,245	33,585,424
7414,592,68235,880,35832,545,12936790,814,98569,679,62933,924,5408417,927,91136,173,94832,694,57737826,570,07472,895,65133,968,5109421,407,28236,803,25732,943,53039907,917,38580,217,62433,978,48510425,042,02836,803,25732,996,81440954,182,73584,384,62633,881,39212433,053,22837,520,32133,033,114411,004,685,96988,935,12233,763,20013437,540,43537,923,72333,043,247421,059,857,89193,008,10733,592,58314442,420,91138,363,43433,032,629431,120,173,41599,346,58733,307,02,92216453,584,01039,369,96432,990,579451,258,384,096111,814,31032,710,35917459,963,39539,946,20632,940,555481,519,165,382111,814,31032,710,35918466,966,64840,579,92232,865,214471,424,161,666126,775,61331,778,7019474,681,35641,278,50332,768,505481,519,165,382135,351,70031,187,00420483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,474,597501,737,562,411155,069,37629,780,18022502,926,85243,835,04932,347,597501,737,562,411 <td>5</td> <td>408,287,748</td> <td>35,326,915</td> <td>32,227,142</td> <td>34</td> <td>727,657,632</td> <td>64,004,083</td> <td>33,728,863</td>	5	408,287,748	35,326,915	32,227,142	34	727,657,632	64,004,083	33,728,863
8417,927,91136,173,94832,694,57737826,570,07472,895,65133,968,5109421,407,28236,480,43832,845,69238865,497,21576,398,65533,978,48510425,042,02836,803,25732,994,53039907,917,38584,384,62633,982,27411428,901,75537,148,28732,996,81440954,182,73584,384,62633,963,20013437,540,43537,923,72333,043,247421,059,857,89193,908,10733,992,58314442,420,91138,63,43433,032,629431,120,173,41599,346,58733,363,58515447,751,71638,844,12233,011,828441,186,156,417105,297,97133,070,29216453,584,01039,369,96432,990,579451,258,384,096111,814,31032,710,35917459,963,39539,946,20632,942,953461,337,488,047118,952,65732,279,03818466,966,64840,579,92232,665,515481,519,165,38214,155,74130,523,40820483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,547,597501,737,562,411155,069,37629,780,18022502,926,85243,835,76632,367,850522,000,276,903178,789,74228,955,71023514,321,59744,863,76632,367,850522,000,276,903	6	411,387,521	35,598,574	32,393,413	35	757,932,852	66,723,882	33,841,749
9421,407,28236,480,43832,845,69238865,497,21576,399,65533,978,48510425,042,02836,803,25732,943,53039907,917,38580,217,62433,952,27411428,901,75537,148,28732,996,81440954,182,73584,384,62633,881,39212433,053,22837,520,32133,003,114411,004,685,96988,935,12233,763,20013437,540,43537,923,72333,043,247421,059,857,89193,908,10733,592,58314442,420,91138,363,43433,032,629431,120,173,41599,346,58733,363,58515447,751,71638,844,12233,011,828441,186,156,417105,297,97133,070,29216453,584,01039,369,96432,990,579451,258,384,096111,814,31032,710,35917459,963,39539,946,20632,942,953461,337,488,047118,952,65732,279,03818466,966,64840,579,92232,865,514471,424,161,666126,775,61331,771,89719474,681,35641,278,50332,768,505481,519,165,382135,351,70031,187,00420483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,547,597501,737,562,411155,063,716228,956,30823514,321,59744,863,76632,367,850522,000,276,90	7	414,592,682	35,880,358	32,545,129	36	790,814,985	69,679,629	33,924,540
10425,042,02836,803,25732,943,53039907,917,38580,217,62433,952,27411428,901,75537,148,28732,996,81440954,182,73584,384,62633,881,39212433,053,22837,520,32133,033,114411,004,685,96988,935,12233,763,20013437,540,43537,923,72333,043,247421,059,857,89193,908,10733,592,58314442,420,91138,363,43433,032,629431,120,173,41599,346,58733,307,029215447,751,71638,844,12233,011,828441,186,156,417105,297,97133,070,29216453,584,01039,369,96432,990,579451,258,384,096111,814,31032,710,35917459,963,39539,946,20632,942,953461,337,488,047118,952,65732,279,03818466,966,64840,579,92232,865,214471,424,161,666126,775,61331,771,89719474,681,35641,278,50332,768,505481,519,165,382135,351,70031,187,00420483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,547,597501,737,552,411155,069,37622,800,87322502,926,85243,835,04932,440,304511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,27	8	417,927,911	36,173,948	32,694,577	37	826,570,074	72,895,651	33,968,510
11428,901,75537,148,28732,996,81440954,182,73584,384,62633,881,39212433,053,22837,520,32133,033,114411,004,685,96988,935,12233,763,20013437,540,43537,923,72333,043,247421,059,857,89193,908,10733,592,58314442,420,91138,863,43433,032,629431,120,173,41599,346,58733,363,58515447,751,71638,844,12233,011,828441,186,156,417105,297,97133,070,29216453,584,01039,369,96432,990,579451,258,384,096111,814,31032,710,35917459,963,39539,946,20632,942,953461,337,488,047118,952,65732,279,03818466,966,64840,579,92232,865,214471,424,161,666126,775,61331,771,89719474,681,35641,278,50332,768,505481,519,165,382135,51,70031,187,00420483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,674,597501,737,562,411155,069,37629,780,18022502,926,85243,835,04932,440,304511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,344,53552,497,65	9	421,407,282	36,480,438	32,845,692	38	865,497,215	76,398,655	33,978,485
12433,053,22837,520,32133,033,114411,004,685,96988,935,12233,763,20013437,540,43537,923,72333,043,247421,059,857,89193,908,10733,592,58314442,420,91138,363,43433,032,629431,120,173,41599,346,58733,363,58515447,751,71638,844,12233,011,828441,186,156,417105,297,97133,070,29216453,584,01039,369,96432,990,579451,258,384,096111,814,31032,710,35917459,963,39539,946,20632,942,953461,337,488,047118,952,65732,279,03818466,966,64840,579,92232,865,214471,424,161,666126,775,61331,771,89719474,681,35641,278,50332,768,505481,519,165,382135,351,70031,187,00420483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,547,597501,737,562,411155,069,37629,780,18022502,926,85243,835,04932,440,304511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,348,771532,151,013,935192,399,29327,071,15725540,468,42147,217,55332,354,850542,3	10	425,042,028	36,803,257	32,943,530	39	907,917,385	80,217,624	33,952,274
13437,540,43537,923,72333,043,247421,059,857,89193,908,10733,592,58314442,420,91138,363,43433,032,629431,120,173,41599,346,58733,363,58515447,751,71638,844,12233,011,828441,186,156,417105,297,97133,070,29216453,584,01039,369,96432,990,579451,258,384,096111,814,31032,710,35917459,963,39539,946,20632,942,953461,337,488,047118,952,65732,279,03818466,966,64840,579,92232,865,214471,424,161,666126,775,61331,771,89719474,681,35641,278,50332,768,505481,519,165,382135,351,70031,187,00420483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,547,597501,737,562,411155,069,37629,780,18022502,926,85243,835,04932,440,304511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,354,850542,316,342,071207,325,32526,015,08125540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,0812555,331,12448,552,18032,422,3,345552	11	428,901,755	37,148,287	32,996,814	40	954,182,735	84,384,626	33,881,392
14442,420,91138,363,43433,032,629431,120,173,41599,346,58733,363,58515447,751,71638,844,12233,011,828441,186,156,417105,297,97133,070,29216453,584,01039,369,96432,990,579451,258,384,096111,814,31032,710,35917459,963,39539,946,20632,942,953461,337,488,047118,952,65732,279,03818466,966,64840,579,92232,865,214471,424,161,666126,775,61331,771,89719474,681,35641,278,50332,768,505481,519,165,382135,351,70031,187,00420483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,547,597501,737,562,411155,069,37629,780,18022502,926,85243,835,04932,430,344511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,338,711532,151,013,935192,399,29327,071,15725540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,88126555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,504,213562	12	433,053,228	37,520,321	33,033,114	41	1,004,685,969	88,935,122	33,763,200
15447,751,71638,844,12233,011,828441,186,156,417105,297,97133,070,29216453,584,01039,369,96432,990,579451,258,384,096111,814,31032,710,35917459,963,39539,946,20632,942,953461,337,488,047118,952,65732,279,03818466,966,64840,579,92232,865,214471,424,161,666126,775,61331,771,89719474,681,35641,278,50332,768,505481,519,165,382135,351,70031,187,00420483,191,35442,048,97832,646,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,547,597501,737,562,411155,069,37629,780,18022502,926,85243,835,04932,440,304511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,338,771532,151,013,935192,399,29327,071,15725540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,08126555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,32157	13	437,540,435	37,923,723	33,043,247	42	1,059,857,891	93,908,107	33,592,583
16453,584,01039,369,96432,990,579451,258,384,096111,814,31032,710,35917459,963,39539,946,20632,942,953461,337,488,047118,952,65732,279,03818466,966,64840,579,92232,865,214471,424,161,666126,775,61331,771,89719474,681,35641,278,50332,768,505481,519,165,382135,351,70031,187,00420483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,547,597501,737,562,411155,069,37629,780,18022502,926,85243,835,04932,440,304511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,338,771532,151,013,935192,399,29327,071,15725540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,08126555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,321572,914,386,962261,305,64722,465,713	14	442,420,911	38,363,434	33,032,629	43	1,120,173,415	99,346,587	33,363,585
17459,963,39539,946,20632,942,953461,337,488,047118,952,65732,279,03818466,966,64840,579,92232,865,214471,424,161,666126,775,61331,771,89719474,681,35641,278,50332,768,505481,519,165,382135,351,70031,187,00420483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,547,597501,737,562,411155,069,37629,780,18022502,926,85243,835,04932,440,304511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,338,771532,151,013,935192,399,29327,071,15725540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,08126555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,321572,914,386,962261,305,64722,465,713	15	447,751,716	38,844,122	33,011,828	44	1,186,156,417	105,297,971	33,070,292
18466,966,64840,579,92232,865,214471,424,161,666126,775,61331,771,89719474,681,35641,278,50332,768,505481,519,165,382135,351,70031,187,00420483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,547,597501,737,562,411155,069,37629,780,18022502,926,85243,835,04932,440,304511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,338,771532,151,013,935192,399,29327,071,15725540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,08126555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,321572,914,386,962261,305,64722,465,713	16	453,584,010	39,369,964	32,990,579	45	1,258,384,096	111,814,310	32,710,359
19474,681,35641,278,50332,768,505481,519,165,382135,351,70031,187,00420483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,547,597501,737,562,411155,069,37629,780,18022502,926,85243,835,04932,440,304511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,338,771532,151,013,935192,399,29327,071,15725540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,08126555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,321572,914,386,962261,305,64722,465,713	17	459,963,395	39,946,206	32,942,953	46	1,337,488,047	118,952,657	32,279,038
20483,191,35442,048,97832,664,606491,623,330,078144,755,74130,523,40821492,575,72642,898,72332,547,597501,737,562,411155,069,37629,780,18022502,926,85243,835,04932,440,304511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,338,771532,151,013,935192,399,29327,071,15725540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,08126555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,321572,914,386,962261,305,64722,465,713	18	466,966,648	40,579,922	32,865,214	47	1,424,161,666	126,775,613	31,771,897
21492,575,72642,898,72332,547,597501,737,562,411155,069,37629,780,18022502,926,85243,835,04932,440,304511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,338,771532,151,013,935192,399,29327,071,15725540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,08126555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,321572,914,386,962261,305,64722,465,713	19	474,681,356	41,278,503	32,768,505	48	1,519,165,382	135,351,700	31,187,004
22502,926,85243,835,04932,440,304511,862,851,607166,381,67628,956,38023514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,338,771532,151,013,935192,399,29327,071,15725540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,08126555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,321572,914,386,962261,305,64722,465,713	20	483,191,354	42,048,978	32,664,606	49	1,623,330,078	144,755,741	30,523,408
23514,321,59744,863,76632,367,850522,000,276,903178,789,74228,052,71024526,817,51345,989,67932,338,771532,151,013,935192,399,29327,071,15725540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,08126555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,321572,914,386,962261,305,64722,465,713	21	492,575,726	42,898,723	32,547,597	50	1,737,562,411	155,069,376	29,780,180
24526,817,51345,989,67932,338,771532,151,013,935192,399,29327,071,15725540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,08126555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,321572,914,386,962261,305,64722,465,713	22	502,926,852	43,835,049	32,440,304		1,862,851,607	166,381,676	28,956,380
25540,468,42147,217,55332,354,850542,316,342,071207,325,32526,015,08126555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,321572,914,386,962261,305,64722,465,713	23	514,321,597	44,863,766	32,367,850	52	2,000,276,903	178,789,742	28,052,710
26555,331,12448,552,18032,423,345552,497,652,315223,692,75624,890,67327571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,321572,914,386,962261,305,64722,465,713	24	526,817,513	45,989,679	32,338,771	53	2,151,013,935	192,399,293	27,071,157
27571,459,95949,998,45332,544,213562,696,454,398241,637,16723,704,60328588,914,19951,562,46132,700,321572,914,386,962261,305,64722,465,713	25	540,468,421	47,217,553	32,354,850	54	2,316,342,071	207,325,325	26,015,081
28         588,914,199         51,562,461         32,700,321         57         2,914,386,962         261,305,647         22,465,713	26	555,331,124	48,552,180	32,423,345	55	2,497,652,315	223,692,756	24,890,673
	27	571,459,959	49,998,453	32,544,213	56	2,696,454,398	241,637,167	23,704,603
	28	588,914,199	51,562,461	32,700,321	57	2,914,386,962	261,305,647	22,465,713
28,851,128 21,182,813 22,813,212 58 3,153,226,896 282,851,128 21,182,813	29	607,776,339	53,252,439	32,873,272	58	3,153,226,896	282,857,728	21,182,815



#### Historical GASB 5 Disclosures - COLA Fund

Funding Status and Progress as of September 30, 2022 and 2021	2021	2022
1. COLA Fund Table	\$1,852	\$1,852
2. Pension benefit obligation (in millions)		
a. Retirees and beneficiaries receiving benefits and terminated members not yet receiving	\$357.6	\$397.5
b. Current Employees		
Accumulated employee contributions including interest	0	0
Employer-financed vested	0	0
Employer-financed nonvested	\$68.1	\$78.8
c. Total pension benefit obligation (a+b+c)	\$425.7	\$476.3
3. Net assets available for benefits	\$477.3	\$396.3
4. Unfunded pension benefit (obligation)/asset [(3)-(2)]	\$51.6	(\$80.0)

The pension benefit obligations were determined as part of actuarial valuations at January 1, 2023 and January 1, 2022, based on data and asset information at September 30, 2022 and September 30, 2021. Significant actuarial assumptions used include (a) a rate of return on the investment of present and future assets of 7.00% per year compounded annually, (b) post retirement COLA benefits based on the table in effect at January 1, 2023 and January 1, 2022. All plan provisions and other assumptions not listed above can be found in the January 1, 2023 COLA Fund Report.



#### Historical GASB 5 Disclosures - COLA Fund

#### Contributions required and contributions made

The funding policy provides for annual employer contributions from January 1, 1994. The amount of the contribution was \$2.5 million, beginning January 1, 1994, increasing 4% per year each year thereafter, and reduced (but not below zero) by any excess investment income transfer due on the same date.

The excess investment income transfer consists of a portion of gains due to investment return exceeding the assumption in effect for the year.

#### Analysis of funding progress

	(1)	(2)	(3)	(4)	(5)	
Fiscal Year	Net Assets Available for Benefits <sup>(1)</sup>	Pension Benefit Obligation <sup>(2)</sup>	Percent Funded	Unfunded PBO (2)-(1)	Annual Covered Payroll	(4)/(5)
	(\$)	(\$)	(%)	(\$)	(\$)	(%)
2013	378.7	320.0	118	(58.7)	85.2	(69)
2014	394.6	371.0	106	(23.6)	93.7	(25)
2015	381.4	393.5	97	12.1	106.3	11
2016	392.9	420.5	93	27.6	133.1	21
2017	420.3	427.2	98	6.9	141.5	5
2018	426.2	440.2	97	14.0	148.9	9
2019	412.1	447.2	92	35.1	168.1	21
2020	416.0	419.0	99	3.0	176.7	2
2021	477.3	425.7	112	(51.6)	178.5	(29)
2022	396.3	476.3	83	80.0	188.4	42

<sup>(1)</sup> Excluding future City minimum contributions

<sup>(2)</sup> Excluding new increment and contingency reserves



# Historical GASB 5 Disclosures – COLA Fund

# **Revenues and Expenses**

Fiscal	Employee	Energlas sau			
		Employer	Investment	Total	
Year	Contributions	Contributions	Income		
	(\$)	(\$)	(\$)	(\$)	
2013	0	5,267,123	27,293,996	32,561,119	
2014	0	5,477,808	30,812,622	36,290,430	
2015	0	5,696,920	26,665,405	32,362,325	
2016	0	5,924,797	13,261,430	19,186,227	
2017	0	6,161,789	26,980,778	33,142,567	
2018	0	6,408,261	19,212,430	25,620,691	
2019	0	6,664,591	16,086,759	22,751,350	
2020	0	6,931,175	55,298,341	62,229,516	
2021	0	7,208,422	32,408,512	39,616,934	
2022	0	7,496,759	11,832,499	19,329,258	
Expenses by Type					
Fiscal	Administrative			Total	
Year	Year Benefits I		Refunds		
	(\$)	(\$)	(\$)	(\$)	
2013	19,522,271	1,604,698	0	21,126,969	
2014	22,188,409	1,483,762	0	23,672,171	
2015	23,563,734	1,190,614	0	24,754,348	
2016	24,344,325	1,286,086	0	25,630,411	
2017	24,882,453	1,202,695	0	26,085,148	
2018	25,279,985	1,758,350	0	27,038,335	
2019	25,622,524	1,477,166	0	27,099,690	
2020	26,230,313	1,771,916	0	28,002,229	
2021	26,463,258	1,179,391	0	27,642,649	
2022	29,232,051	1,170,230	0	30,402,281	

