Central County Transportation Authority Pension Plan

Annual Actuarial Valuation December 31, 2024



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May 13, 2025

Retirement Investment Committee Board of Trustees Central County Transportation Authority Pension Plan Kalamazoo, Michigan

Re: Central County Transportation Authority Pension Plan
Annual Actuarial Valuation as of December 31, 2024 Actuarial Disclosures

Ladies and Gentlemen:

The results of the December 31, 2024 Annual Actuarial Valuation of the Central County Transportation Authority (CCTA) Pension Plan are presented in this report.

The computed contribution rate shown on page B-2 may be considered as a minimum contribution rate that complies with the Board's funding policy. Users of this report should be aware that contributions made at that rate do not guarantee benefit security. Given the importance of benefit security to any pension plan, we suggest that contributions to the Plan in excess of those presented in this report be considered.

The contribution rate in this report is determined using the actuarial assumptions and methods disclosed in Section D of this report. This report includes risk metrics on page A-4 but does not include a more robust assessment of the risks of future experience not meeting actuarial assumptions. Additional assessment of risks was outside the scope of this assignment.

This report was prepared at the request of the Board and is intended for use by the Pension Plan and those designated or approved by the Board. This report may be provided to parties other than the Plan only in its entirety and only with the permission of the Board. GRS is not responsible for unauthorized use of this report.

The purposes of the valuation are to measure the Plan's funding progress, and to determine the employer contribution rate for the fiscal year ending September 30, 2026. This report should not be relied on for any purpose other than the purposes described herein. Determinations of financial results associated with the benefits described in this report, for purposes other than those identified above, may be significantly different.

The findings in this report are based on data and other information through December 31, 2024. 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. The scope of an actuarial valuation does not include an analysis of the potential range of such future measurements.

Retirement Investment Committee Board of Trustees Central County Transportation Authority Pension Plan May 13, 2025 Page 2

This valuation assumed the continuing ability of the plan sponsor to make the contributions necessary to fund this Plan. A determination regarding whether or not the plan sponsor is actually able to do so is outside our scope of expertise and was not performed.

The valuation was based upon information furnished by the Administrator concerning Pension Plan benefits, financial transactions, plan provisions and active members, terminated members, retirees and beneficiaries. We checked for internal reasonability and year-to-year consistency, but did not audit the data. We are not responsible for the accuracy or completeness of the information provided by the Administrator.

In addition, this report was prepared using certain assumptions approved by the Board as described in the section of this report entitled Actuarial Cost Methods and Assumptions. The combined effect of the assumptions is expected to have no significant bias (i.e., not significantly optimistic or pessimistic).

This report was prepared using our proprietary valuation model and related software which, in our professional judgment, have the capability to provide results that are consistent with the purposes of the valuation and have no material limitations or known weaknesses. We performed tests to ensure that the model reasonably represents that which is intended to be modeled.

This report has been prepared by actuaries who have substantial experience valuing public employee pension plans. To the best of our knowledge, the information contained in this report is accurate and fairly presents the actuarial position of the Central County Transportation Authority Pension Plan as of the valuation date. All calculations have been made in conformity with generally accepted actuarial principles and practices, and with the Actuarial Standards of Practice issued by the Actuarial Standards Board.

James D. Anderson and Michael D. Kosciuk are Members of the American Academy of Actuaries (MAAA) and meet the Academy's Qualification Standards to render the actuarial opinions contained herein.

The signing actuaries are independent of the plan sponsor.

Gabriel, Roeder, Smith & Company will be pleased to review this valuation and report with the Board and to answer any questions pertaining to the valuation.

Respectfully submitted, Gabriel, Roeder, Smith & Company

James D. Anderson, FSA, EA, FCA, MAAA

Michael D. Kosciuk, FSA, EA, FCA, MAAA

JDA/MDK:sc



SECTION A

EXECUTIVE SUMMARY

Executive Summary

Computed Employer Contributions – Fiscal Year Beginning October 1, 2025

Required CCTA employer contributions have increased from \$437,201 in the last valuation to \$756,876 for the fiscal year ending 2026, as shown on page B-2. While the Plan continues to have an overfunding credit, application of the \$219,919 credit against the Employer Normal Cost of \$976,795 results in a required Employer contribution amount of \$756,876, or 9.43% of active member payroll.

Reasons for Changes

There are three general reasons why contribution rates change from one valuation to the next. The first is a change in the benefits or eligibility conditions of the Plan (or those anticipated in the valuations). The second is a change in the valuation assumptions used to predict future occurrences. The third is the difference during the year between the Plan's actual experience and what the assumptions used in the prior valuation predicted.

Change in Benefits or Eligibility Since the Last Valuation

The contribution rate for active ATU members was increased from 1% of compensation to 2% of compensation, effective January 1, 2025.

This benefit change decreased liabilities by approximately \$50,000.

Change in Cost Method and Actuarial Assumptions

An experience review was performed based on the five-year period ending December 31, 2023. As a result of the study, the Retirement Investment Committee adopted recommended assumption changes, effective for the December 31, 2024 valuation as follows:

- Rates of mortality continue being based on the Pub-2010 amount-weighted General tables, updated to project mortality improvements using the fully generational MP-2021 projection scale from a base year of 2010.
- Rates of merit and longevity salary increases were adjusted to reflect recent patterns.
- Increased turnover rates to reflect recent patterns.

These assumption changes increased liabilities by approximately \$959,000.



Causes of the Gain (Loss)

There was an experience loss of \$507,176 during 2024. This represents 1.52% of the reported 2023 valuation accrued liability. Factors contributing to the experience include, but are not limited to:

- A market value of asset return of 11.47% in 2024, with a corresponding return on the (smoothed) valuation assets of 7.93%. Net investment income on the smoothed basis was greater than the long-term assumption of 7.00%, resulting in an asset gain of \$339,310.
- Demographic losses arising primarily from pay increases greater than expected and fewer retiree deaths than expected, resulting in a liability loss of \$846,486.

Investment gain (loss)	\$ 339,310
Remaining gain (loss)	(846,486)
Gain (loss) from all causes	\$ (507,176)

2024 Funding Position and Other Plan Metrics

	12/31/2024 Valuation	12/31/2023 Valuation
Funded Status = AAL - AVA	\$(2,092,152)	\$(3,762,357)
Funded Percentage = AVA / AAL	105.7%	111.3%
Funded Percentage = MVA / AAL	107.7%	109.8%
Employer Contribution (AVA)	9.43% of pay	6.19% of pay
Employer Contribution (MVA)	8.26% of pay	7.09% of pay
AVA / MVA	98.1%	101.4%

Where AAL = Actuarial Accrued Liability, AVA = Actuarial Value of Assets, MVA = Market Value of Assets

Contribution Requirements Longer Term

Contributions are based on a smoothed (actuarial) value of assets that recognize a given year's asset gain or loss over the current and subsequent four years. Given annual investment returns of 7.00% going forward, a small net investment gain is scheduled next year, followed by a loss in the next year, and gains in the third and fourth years (see page B-8 for further details). This will exert upward pressure on computed contribution rates and downward pressure on the funded ratio. Over the long term, contributions will eventually converge to the normal cost rate of roughly 12% of pay as shown on page B-2.



Other Observations

Given the plan's contribution allocation procedure, if all actuarial assumptions are met (including the assumption of the plan earning 7.00% on the actuarial value of assets for the plan), it is expected that:

- (1) Employer normal cost amounts as a percentage of payroll will remain approximately level year to year;
- (2) The overfunding credit will be used up over a period of years; and
- (3) The funded status of the plan will decrease towards a 100% funded ratio.

Unless otherwise indicated, a funded status measurement presented in this report is based upon the actuarial accrued liability and the actuarial value of assets. Unless otherwise indicated, with regard to any funded status measurements presented in this report:

- (1) The measurement is inappropriate for assessing the sufficiency of Plan assets to cover the estimated cost of settling the Plan's benefit obligations; and
- (2) The measurement is inappropriate for assessing the need for or the amount of future employer contributions.

Risk Commentary

Determination of the accrued liability, the employer contribution, and the funded ratio requires the use of assumptions regarding future economic and demographic experience. Risk measures, as illustrated in this report, are intended to aid in the understanding of the effects of future experience differing from the assumptions used in the course of the actuarial valuation. Risk measures may also help with illustrating the potential volatility in the accrued liability, the actuarially determined contribution, and the funded ratio that result from the differences between actual experience and the actuarial assumptions.

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 due to changing conditions; 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. The scope of an actuarial valuation does not include an analysis of the potential range of such future measurements.



Examples of risk that may reasonably be anticipated to significantly affect the plan's future financial condition include:

- Investment Risk actual investment returns may differ from the expected returns;
- Asset/Liability Mismatch changes in asset values may not match changes in liabilities, thereby
 altering the gap between the accrued liability and assets, and consequently altering the funded
 status and contribution requirements;
- Contribution Risk actual contributions may differ from expected future contributions. For
 example, actual contributions may not be made in accordance with the plan's funding policy or
 material changes may occur in the anticipated number of covered employees, covered payroll,
 or other relevant contribution base;
- Salary and Payroll Risk actual salaries and total payroll may differ from expected, resulting in actual future accrued liability and contributions differing from expected;
- Longevity Risk members may live longer or shorter than expected and receive pensions for a period of time other than assumed; and
- Other Demographic Risks members may terminate, retire or become disabled at times or with benefits other than assumed resulting in actual future accrued liability and contributions differing from expected.

The effects of certain trends in experience can generally be anticipated. For example, if the investment return since the most recent actuarial valuation is less (or more) than the assumed rate, the cost of the plan can be expected to increase (or decrease). Likewise, if longevity is improving (or worsening), increases (or decreases) in cost can be anticipated.

The computed contribution rate shown on page B-2 may be considered as a minimum contribution rate that complies with the Board's funding policy. The timely receipt of the actuarially determined contributions is critical to support the financial health of the plan. Users of this report should be aware that contributions made at the actuarially determined rate do not necessarily guarantee benefit security.

PLAN MATURITY MEASURES

Risks facing a pension plan evolve over time. A young plan with virtually no investments and paying few benefits may experience little investment risk. An older plan with a large number of members in pay status and a significant trust may be much more exposed to investment risk. Generally accepted plan maturity measures include the following:

	<u> 2024</u>	<u> 2023</u>	<u> 2022</u>	<u> 2021</u>	<u> 2020</u>
Ratio of the market value of assets to total payroll	5.2	5.5	5.3	7.2	6.6
Ratio of actuarial accrued liability to payroll	4.8	5.0	5.1	5.5	5.3
Ratio of actives to retirees and beneficiaries	1.4	1.4	1.4	1.3	1.4
Ratio of net cash flow to market value of assets	(3.2%)	(4.3%)	(5.0%)	(4.2%)	(4.3%)



RATIO OF MARKET VALUE OF ASSETS TO TOTAL PAYROLL

The relationship between assets and payroll is a useful indicator of the potential volatility of contributions. For example, if the market value of assets is 6.0 times the payroll, a return on assets 5% different than assumed would equal 30% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in plan sponsor contributions as a percentage of payroll.

RATIO OF ACTUARIAL ACCRUED LIABILITY TO PAYROLL

The relationship between actuarial accrued liability and payroll is a useful indicator of the potential volatility of contributions for a fully funded plan. A funding policy that targets a funded ratio of 100% is expected to result in the ratio of assets to payroll and the ratio of liability to payroll converging over time.

RATIO OF ACTIVES TO RETIREES AND BENEFICIARIES

A young plan with many active members and few retirees will have a high ratio of actives to retirees. A mature open plan may have close to the same number of actives to retirees resulting in a ratio near 1.0. A super-mature or closed plan may have significantly more retirees than actives resulting in a ratio below 1.0.

RATIO OF NET CASH FLOW TO MARKET VALUE OF ASSETS

A positive net cash flow means contributions exceed benefits and expenses. A negative cash flow means existing funds are being used to make payments. A certain amount of negative net cash flow is generally expected to occur when benefits are prefunded through a qualified trust. Large negative net cash flows as a percent of assets may indicate a super-mature plan or a need for additional contributions.

ADDITIONAL RISK ASSESSMENT

Additional risk assessment is outside the scope of the annual actuarial valuation. Additional assessment may include scenario tests, sensitivity tests, stochastic modeling, stress tests, and a comparison of the present value of accrued benefits at low-risk discount rates with the actuarial accrued liability.

Conclusion

The overfunded position of the Plan has generated a funding credit which allows the CCTA to temporarily reduce annual contribution requirements to the Plan.



Executive Summary (Concluded)

Low-Default-Risk Obligation Measure

INTRODUCTION

In December 2021, the Actuarial Standards Board (ASB) adopted a revision to Actuarial Standard of Practice (ASOP) No. 4, Measuring Pension Obligations and Determining Pension Plan Costs or Contributions. The revised ASOP No. 4 requires the calculation and disclosure of a liability referred to by the ASOP as the "Low-Default-Risk Obligation Measure" (LDROM). The rationale that the ASB cited for the calculation and disclosure of the LDROM was included in the Transmittal Memorandum of ASOP No. 4 and is presented below (emphasis added):

"The ASB believes that the calculation and disclosure of this measure provides appropriate, useful information for the intended user regarding the funded status of a pension plan. The calculation and disclosure of this additional measure is not intended to suggest that this is the "right" liability measure for a pension plan. However, the ASB does believe that this additional disclosure provides a more complete assessment of a plan's funded status and provides additional information regarding the security of benefits that members have earned as of the measurement date."

COMPARING THE ACCRUED LIABILITIES AND THE LDROM

One of the fundamental financial objectives of the Central County Transportation Authority Pension Plan is to finance each member's retirement benefits over the period from the member's date of hire until the member's projected date of retirement (entry age actuarial cost method) as a level percentage of payroll. To fulfill this objective, the discount rate that is used to value the accrued liabilities of the Central County Transportation Authority Pension Plan is set equal to the expected return on the Plan's diversified portfolio of assets (referred to sometimes as the investment return assumption). For the Central County Transportation Authority Pension Plan, the investment return assumption is 7.00%.

The LDROM is meant to approximately represent the lump sum cost to a plan to purchase low-default-risk fixed income securities whose resulting cash flows essentially replicate in timing and amount the benefits earned (or the costs accrued) as of the measurement date. The LDROM is very dependent upon market interest rates at the time of the LDROM measurement. The lower the market interest rates, the higher the LDROM, and vice versa. The LDROM results presented in this report are based on the entry age actuarial cost method and discount rates based upon the December 2024 Treasury Yield Curve Spot Rates (end of month). The 1-, 5-, 10-, and 30-year rates follow: 4.29%, 4.29%, 4.37%, and 4.64%. This measure may not be appropriate for assessing the need for or amount of future contributions. This measure may not be appropriate for assessing the sufficiency of plan assets to cover the estimated cost of settling the plan's benefit obligation.

The difference between the two measures (Valuation and LDROM) is one illustration of the savings the sponsor anticipates by taking on risk in a diversified portfolio.

Accrued Liabilities and LDROM

Valuation Accrued Liabilities	LDROM
\$36,578,678	\$49,093,144



SECTION B

VALUATION RESULTS

Computed Contributions to Provide Benefits

The Pension Plan is supported by contributions from the CCTA and active members and by the investment income earned on Plan assets. Member contribution rates are determined by the benefit provisions of the Plan and are summarized in Section B of this report. The CCTA provides an actuarially determined contribution, the remainder, if any, needed to meet the financial objective.

Member and CCTA contributions cover both (i) normal cost and (ii) financing of the unfunded accrued liability over a period of future years. The normal cost is the portion of Plan costs allocated to the current year by the valuation method described in Section D. The unfunded accrued liability is the portion of Plan costs not covered by present Plan assets and future normal costs.

For a plan that is overfunded, contribution income needs to cover the normal cost less an amortization credit on the overfunding. When a plan is extremely overfunded, the amortization credit may completely offset the normal cost, eliminating the need for employer contribution income. This can persist for years as long as investment income is sufficient to maintain the overfunding.

Since contributions are required, we recommend one of the following procedures for determining CCTA contributions to the Pension Plan:

- (1) Contribute dollar amounts for a period which are equal to the CCTA's percent-of-payroll contribution requirements on page B-2 multiplied by the covered active member payroll for the period. Adjustments should be made as necessary to exclude items of pay that are not covered compensation for Pension Plan benefits and to include non-payroll payments that are covered compensation.
- (2) Contribute the dollar amounts on page B-2.



Computed Contributions to Provide Benefits Expressed as Percentages and Dollars of Active Member Payroll

Contributions for the Year Beginning October 1,	2025	2024
Normal cost of benefits		
Age & service	11.67 %	11.39 %
Disability	1.35	1.35
Pre-retirement survivor	0.19	0.21
Refunds of member contributions	0.40	0.22
Total normal cost	13.61	13.17
Administrative expense allowance	0.75	0.75
Less: Member contributions*	2.19	1.46
Employer normal cost	12.17	12.46
Unfunded actuarial accrued liabilities^	(2.74)	(6.27)
Employer Contribution Requirement@	9.43	6.19

Contributions for the Year Beginning October 1,	 2025	2024	
Normal cost of benefits			
Age & service	\$ 936,664	\$ 804,478	
Disability	108,354	95,351	
Pre-retirement survivor	15,250	14,832	
Refunds of member contributions	 32,105	 15,539	
Total normal cost	1,092,373	 930,200	
Administrative expense allowance	60,197	52,973	
Less: Member contributions*	 175,775	 103,120	
Employer normal cost	976,795	 880,053	
Unfunded actuarial accrued liabilities^	(219,919)	(442,852)	
Employer Contribution Requirement@	\$ 756,876	\$ 437,201	
Valuation Payroll	\$ 7,588,638	\$ 6,677,923	
Recommended Employer Contribution	\$ 756,876	\$ 437,201	

^{*} Weighted average of various contribution rates.



[^] Page B-4 displays the unfunded accrued liabilities (or overfunding) that are amortized over 10 years in developing the contribution rates shown above.

[@] Payroll used to develop the Employer Contribution Requirement is adjusted for pay increases assumed to occur between the valuation date and the fiscal year of contribution.

History of CCTA's Contribution Rates

Fiscal	Valuation Date	Contribution as Percent of		
Year	Dec. 31*	Valuation Payroll	Recommended	Actual
2017 - 2018	2016	0.00 %	\$ 0	\$ 0
2018 - 2019	2017	0.00 %	0	0
2019 - 2020	2018	0.00 %	0	0
2020 - 2021	2019	0.00 %	0	0
2021 - 2022	2020	0.16 %	8,966	8,966
2022 - 2023	2021	2.30 %	134,715	134,715
2023 - 2024	2022	6.63 %	439,991	439,991
2024 - 2025	2023	6.19 %	437,201	!
2025 - 2026	2024	9.43 %	756,876	!

 $^{^{}st}$ Prior to the December 31, 2016 valuation, the CCTA was part of the City of Kalamazoo Employees Retirement System.



[!] Not yet available.

Unfunded Accrued Liability

	Year Ending December 31,	
	2024	2023
A. Accrued Liability		
1. For Retirees and Beneficiaries	\$19,913,857	\$19,824,522
2. For Vested Terminated Members	830,218	930,726
3. For Present Active Members		
a. Value of expected future benefit payments	22,677,192	18,780,291
b. Value of future normal costs	6,842,589	6,246,315
c. Active member liability: (a) - (b)	15,834,603	12,533,976
4. Total: (A.1) + (A.2) + (A.3.c)	36,578,678	33,289,224
B. Present Assets		
1. Valuation Basis	38,670,830	37,051,581
2. Market Basis	39,404,154	36,552,985
C. Unfunded Accrued Liability (Excess Assets)		
1. Valuation Basis: (A.4) - (B.1)	(2,092,152)	(3,762,357)
2. Market Basis: (A.4) - (B.2)	(2,825,476)	(3,263,761)
D. Funded Percent		
1. Valuation Basis: (B.1) / (A.4)	105.7%	111.3%
2. Market Basis: (B.2) / (A.4)	107.7%	109.8%



Schedule of Funding Progress

Actuarial	Actuarial Value of	Actuarial Accrued Liability (AAL)	Unfunded	Funded	Covered	UAAL as a Percentage of
Valuation	Assets	Entry-Age	AAL (UAAL)	Ratio	Payroll	Covered Payroll
Date*	(a)	(b)	(b)-(a)	(a)/(b)	(c)	[(b)-(a)]/(c)
12/31/2016 #	\$30,330,134	\$22,628,273	\$ (7,701,861)	134.0%	\$4,582,818	(168.1)%
12/31/2017	31,648,980	23,521,727	(8,127,253)	134.6%	4,921,201	(165.1)%
12/31/2018 #	32,040,999	24,671,575	(7,369,424)	129.9%	4,995,358	(147.5)%
12/31/2019 #	32,928,849	26,875,242	(6,053,607)	122.5%	5,214,419	(116.1)%
12/31/2020	33,857,955	28,129,436	(5,728,519)	120.4%	5,298,103	(108.1)%
12/31/2021	35,511,136	30,474,413	(5,036,723)	116.5%	5,537,815	(91.0)%
12/31/2022	35,514,023	32,131,675	(3,382,348)	110.5%	6,274,524	(53.9)%
12/31/2023	37,051,581	33,289,224	(3,762,357)	111.3%	6,677,923	(56.3)%
12/31/2024 #@	38,670,830	36,578,678	(2,092,152)	105.7%	7,588,638	(27.6)%

^{*} Prior to the December 31, 2016 valuation, the CCTA was part of the City of Kalamazoo Employees Retirement System.

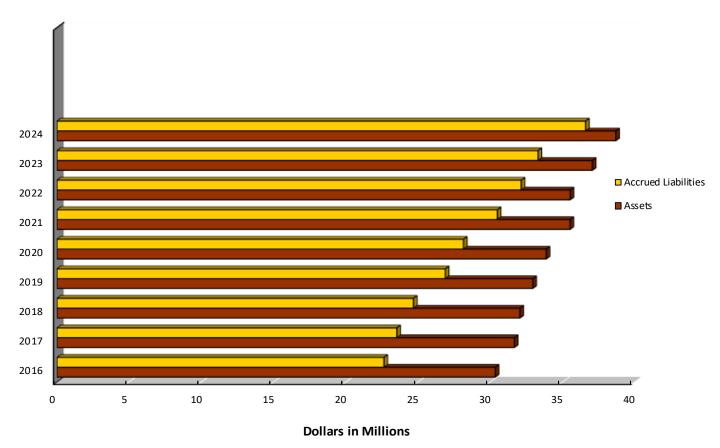


[#] Certain assumptions revised.

[@] Pension Plan amended.

Assets and Accrued Liabilities

Valuation Year



2016 assets equaled 134.0% of accrued liabilities.

2024 assets equaled 105.7% of accrued liabilities.



Development of Experience Gain (Loss) Year Ended December 31, 2024

Actual experience will never (except by coincidence) exactly match assumed experience. It is hoped that gains and losses will cancel each other over a period of years, but sizable year-to-year fluctuations are common. Detail on the development of the experience gain/(loss) is shown below:

	December 31, 2024
(1) UAAL* at start of year	\$(3,762,357)
(2) Normal cost from prior year	1,056,338
(3) Actual contributions	556,428
(4) Interest accruals on (1), (2), and (3)	(246,065)
(5) Expected UAAL before changes: (1) + (2) - (3) + (4)	(3,508,512)
(6) Change from benefit increases	(49,946)
(7) Change from revised actuarial assumptions and/or methods	959,130
(8) Expected UAAL after changes: (5) + (6) + (7)	(2,599,328)
(9) Actual UAAL at end of year	(2,092,152)
(10) Gain/(loss): (8) - (9)	(507,176)
(11) Gain/(loss) as percent of actuarial accrued	

^{*} Unfunded Actuarial Accrued Liabilities.

liabilities at start of year

2024 Gain (Loss)				
Total	Investment	Non-Investment		
\$(507,176)	\$339,310	\$(846,486)		



Year Ending

(1.52)%

Development of Valuation Assets

Year Ended December 31:	2023	2024	2025	2026	2027	2028
A. Valuation Assets Beginning of Year	\$35,514,023	\$37,051,581				
B. Market Value End of Year	36,552,985	39,404,154				
C. Market Value Beginning of Year	33,103,334	36,552,985				
D. Non-Investment Net Cash Flow	(1,569,753)	(1,269,248)				
E. Investment Income						
E1. Market Total: B - C - D	5,019,404	4,120,417				
E2. Assumed Rate of Investment Return	7.00%	7.00%				
E3. Amount for Immediate Recognition	2,431,040	2,549,187				
E4. Amount for Phased-In Recognition: E1 - E3	2,588,364	1,571,230				
F. Phased-In Recognition of Investment Income						
F1. Current Year: 0.2 x E4	517,673	314,246				
F2. First Prior Year	(1,464,830)	517,673	\$314,246			
F3. Second Prior Year	852,980	(1,464,830)	517,673	\$314,246		
F4. Third Prior Year	119,241	852,980	(1,464,830)	517,673	\$314,246	
F5. Fourth Prior Year	651,207	119,241	852,980	(1,464,828)	517,672	\$314,246
F6. Total Phased-In Recognition	676,271	339,310	220,069	(632,909)	831,918	314,246
G. Valuation Assets End of Year: A + D + E3 + F6	37,051,581	38,670,830				
H. Difference between Market & Valuation Assets: B - G	(498,596)	733,324	513,255	1,146,164	314,246	0
I. Valuation Asset Recognized Rate of Return	8.95%	7.93%				
J. Market Value Recognized Rate of Return	15.53%	11.47%				

The Valuation Assets recognizes assumed investment income (line E3) fully each year. Differences between actual and assumed investment income (line E4) are phased-in over a closed five-year period. During periods when investment performance exceeds the assumed rate, Valuation Assets will tend to be less than Market Value. During periods when investment performance is less than the assumed rate, Valuation Assets will tend to be greater than Market Value. The Valuation Assets are unbiased with respect to Market Value. At any time, it may be either greater or less than Market Value. If assumed rates are exactly realized for four consecutive years, it will become equal to Market Value.



Valuation Asset Growth History

	In	Net evestment Return		-		Year End Assets
					\$	30,330,134
\$ 28,158	\$	2,559,569	\$	1,268,881		31,648,980
33,129		1,721,893		1,363,003		32,040,999
26,112		2,320,340		1,458,602		32,928,849
(6,445)		2,421,328		1,485,777		33,857,955
34,005		3,332,787		1,713,611		35,511,136
57,222		1,653,361		1,707,696		35,514,023
196,245		3,107,311		1,765,998		37,051,581
518,565		2,888,497		1,787,813		38,670,830
lr	\$ 28,158 33,129 26,112 (6,445) 34,005 57,222 196,245	\$ 28,158 \$ 33,129 26,112 (6,445) 34,005 57,222 196,245	Contribution Income Investment Return \$ 28,158 \$ 2,559,569 33,129 1,721,893 26,112 2,320,340 (6,445) 2,421,328 34,005 3,332,787 57,222 1,653,361 196,245 3,107,311	Contribution Income Investment Return Propriem (April 1988) \$ 28,158 \$ 2,559,569 \$ 33,129 \$ 33,129 1,721,893 26,112 2,320,340 \$ (6,445) 2,421,328 34,005 3,332,787 \$ 57,222 1,653,361 196,245 3,107,311	Contribution Income Investment Return Payments and Refunds \$ 28,158 \$ 2,559,569 \$ 1,268,881 33,129 1,721,893 1,363,003 26,112 2,320,340 1,458,602 (6,445) 2,421,328 1,485,777 34,005 3,332,787 1,713,611 57,222 1,653,361 1,707,696 196,245 3,107,311 1,765,998	Contribution Income Investment Return Payments and Refunds \$ 28,158 \$ 2,559,569 \$ 1,268,881 33,129 1,721,893 1,363,003 26,112 2,320,340 1,458,602 (6,445) 2,421,328 1,485,777 34,005 3,332,787 1,713,611 57,222 1,653,361 1,707,696 196,245 3,107,311 1,765,998

^{*} After reflecting CCTA spin-off into a standalone single employer Plan.



Development of Valuation Investment Gain (Loss) Year Ended December 31, 2024

The December 31, 2023 valuation assumed an average 7.00% net return on valuation assets for future years. Net investment return in excess of 7.00% represents a gain. If net investment return falls short of 7.00%, the difference between expected income of 7.00% and the net return represents a loss. For the year ended December 31, 2024, the valuation anticipated investment return of \$2,549,187 (see item E3 on page B-8). Total phased-in recognition amounted to a gain of \$339,310 for the year (see item F6 on page B-8), resulting in a return of 7.93% on a valuation basis (see item I on page B-8).

Please note that this analysis uses asset values and investment income as defined for the actuarial valuation (dollar weighted). It is not, therefore, appropriate as a measure of manager performance.

Rates of Return and Change in Pays and Liabilities

_		5-Year				
_	2024	2023	2022	2021	2020	Average*
Increase in average salary#	9.7%	3.3%	8.7%	10.5%	2.6%	7.0%
Return on assets^	7.9	8.9	4.8	10.1	7.5	7.9%
Liability growth	9.9	3.6	5.4	8.3	4.7	6.4%

^{*} Compound rate of increase.



[#] For members employed throughout the most recent two years.

[^] The nominal rate of return was computed using the approximate formula i = I divided by 1/2 (A + B - I), where I is actual investment income net of expenses, A is the beginning of year asset value, and B is the end of year asset value.

SECTION C

SUMMARY OF THE INFORMATION SUBMITTED FOR THE VALUATION

Brief Summary of Benefit Provisions * as of December 31, 2024

Benefit Groups:

Exempt Employees (Non-Union)

Amalgamated Transit Union (ATU)

Kalamazoo Municipal Employees Association (KMEA)^

Final Average Compensation (FAC): Highest 3 consecutive years out of the last 10.

Benefit Multiplier: Varies by Benefit Group.

Non-Union: 2.3% of FAC. ATU: 2.1% of FAC. KMEA: 2.1% of FAC.

Normal Retirement:

Non-Union Eligibility:

Hired Prior to 9/1/2010: Age 62 with 5 years of service or age 57 with 25 years of service. **Hired On or After 9/1/2010:** Age 62 with 10 years of service or age 57 with 25 years of service.

ATU Eligibility: Age 62 with 10 years of service or age 57 with 25 years of service.

KMEA Eligibility:

Hired Prior to 1/1/2009: Age 62 with 8 years of service or age 57 with 25 years of service. **Hired On or After 1/1/2009:** Age 62 with 10 years of service or age 57 with 25 years of service.

Amount of Benefit: Benefit Multiplier x FAC x Years of Credited Service.

Early Retirement:

Non-Union Eligibility:

Hired Prior to 9/1/2010: Age 60 with 5 years of service or rule of 70 with minimum age 55. **Hired On or After 9/1/2010:** Age 60 with 10 years of service or rule of 70 with minimum age 55.

ATU Eligibility: Age 60 with 10 years of service or rule of 70 with minimum age 55.

KMEA Eligibility:

Hired Prior to 1/1/2009: Age 60 with 8 years of service or rule of 70 with minimum age 55. **Hired On or After 1/1/2009:** Age 60 with 10 years of service or rule of 70 with minimum age 55.

Amount of Benefit: Normal Retirement Benefit reduced for early commencement.

Amount of Reduction: 4/10 of 1% for each month retirement is prior to age 62 (from age 57 if retired with 25 or more years of credited service).

Deferred Vested Retirement:

Eligibility: Satisfaction of the service requirement for Early Retirement.

Amount of Benefit: Normal Retirement Benefit based upon FAC and years of credited service at termination.

Commencement of Benefit: Upon attainment of minimum age requirement for Normal Retirement.

Disability Retirement:

 $\textbf{Eligibility:} \ \textbf{Satisfaction of the minimum service requirement for Early Retirement}.$

Amount of Benefit: Normal Retirement Benefit based upon FAC and years of credited service at termination.

Duty Disability Special Conditions:

- 1. Minimum service requirement is waived.
- 2. Benefit Minimum is Normal Retirement Benefit based upon FAC at termination and the minimum service requirement for a non-duty disability retirement.
- * This represents a brief summary of Plan provisions, as understood by the Actuary. Official Plan documents and any applicable Collective Bargaining Agreements will ultimately govern the benefits payable from the Plan.
- ^ There will be no new KMEA members joining the plan as of the December 31, 2017 valuation.



Brief Summary of Benefit Provisions * as of December 31, 2024 (Concluded)

Death Retirement:

Eligibility: Satisfaction of the minimum service requirement for Early Retirement.

Amount of Benefit: Normal Retirement Benefit based upon FAC and years of credited service at termination, reduced in accordance with a 100% joint and survivor election.

Duty Death Special Conditions:

- 1. Minimum service requirement is waived.
- 2. Benefit Minimum is:
 - a. 33 1/3% of FAC payable to surviving spouse; plus
 - b. Unmarried children under 18 years of age receive equal shares of 25% of FAC.

Annual Pension Adjustment:

Non-Union:

Eligibility: Members making election by May 30, 2006 who make increased member contributions annually.

Amount of Increase: 1.5% compounded annually. Increases are granted on January 1 annually, following one full year of retirement.

ATU:

Eligibility: Retired on or after March 1, 2000. Participants retiring before the Normal Retirement Date are excluded.

Amount of Increase: 1.0% compounded annually granted on the anniversary of retirement. Upon attainment of age 75, increases are 2.0% compounded annually.

KMEA:

Eligibility: Retired on or after March 13, 2000. Participants retiring before the Normal Retirement Date are excluded.

Amount of Increase: 1.5% compounded annually granted on the anniversary of retirement. Increases begin the later of attainment of age 64 or the first anniversary of the date of retirement.

Death After Retirement:

Beneficiaries are eligible for a \$1,000 lump sum death benefit (does not apply to deferred retirements).

Member Contributions:

Non-Union Amount: Varies by date of hire. Members electing the annual pension adjustment by May 30, 2006, pay additional 2.0% above the 1.5% of compensation.

Hired before 6/1/2006: 1.5% of compensation. Hired on or after 6/1/2006: 3.0% of compensation.

ATU Amount: 2% of compensation. **KMEA Amount:** 1% of compensation.

Periodic Payment:

Description: Subject to section 15.5 of the CCTA Pension Plan document, certain retirees are eligible for a nonguaranteed payment, with a potential payment every third year. The payment is subject to additional requirements related to the need for projected employer contributions to the Plan and can be reduced or eliminated based on CCTA Board recommendation.

* This represents a brief summary of Plan provisions, as understood by the Actuary. Official Plan documents and any applicable Collective Bargaining Agreements will ultimately govern the benefits payable from the Plan.



Reported Financial Information Year Ended December 31, 2024 **Market Value**

Income and Expenses

Revenues:	

a. Member contributions	\$ 116,437	
b. Employer contributions	439,991	
c. Interest and dividends	962,278	
d. Net Appreciation in Fair Value of Investments	3,267,080	
e. Miscellaneous	 0	
Total		\$4,785,786
Expenditures:		
a. Refunds of member contributions	35,446	
b. Benefits paid including refunds of member contributions	1,752,367	
c. Administrative expenses	0	
d. Investment expenses	108,941	
e. Other expenses	 37,863	
Total		1,934,617
Reserve Increase:		
Total revenues minus total expenditures		\$2,851,169



Reported Financial Information (Valuation Basis) Year Ended December 31, 2024

Assets on Valuation Basis

Assets:

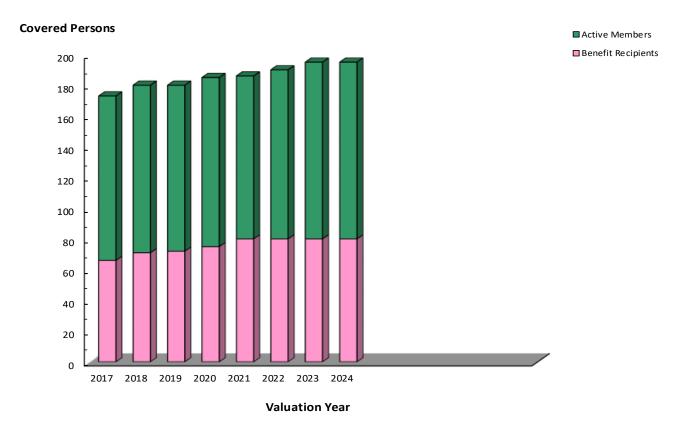
a. Cash or equivalents	\$ 205,926
b. Receivables net of payables	166,624
c. Stocks	27,453,849
d. Fixed income	9,783,602
e. Real Estate Investment Fund	1,794,153
f. Funding Value Adjustment	(733,324)
Total	\$38,670,830

Reserve for Retired Benefit Payments

Part of the internal reserve tracking process is to maintain the reserve for retired benefit payments at a level equal to 100% of the value of future benefit payments to retirees and beneficiaries. As of December 31, 2024, the value of future benefit payments to retirees and beneficiaries is \$19,913,857. This valuation assumes any transfer necessary to maintain a 100% funding of the reserve for retired benefit payments has been made as of January 1, 2025.



Active Members and Benefit Recipients





Retirees and Beneficiaries as of December 31, 2024

Tabulated by Nearest Age and Type of Retirement

	Age	and Service	ı	Disability	Sı	ırvivors		Totals
Attained		Annual		Annual		Annual		Annual
Age	Age No. Allowances No.		Allowances	No.	Allowances			
FO F4	2	ć 27.520	4	ć 20.420			2	ć (F.CE0
50 - 54	2	\$ 37,529	1	\$ 28,129			3	\$ 65,658
55 - 59	2	43,270					2	43,270
60 - 64	7	201,693					7	201,693
65 - 69	20	429,425	6	143,864			26	573,289
70 - 74	15	342,153	4	65,762			19	407,915
75 - 79	13	299,489	1	10,360			14	309,849
80 - 84	4	89,716	1	25,660			5	115,376
85 - 89	1	8,938		·			1	8,938
90 & Over	1	9,854	2	28,601			3	38,455
Totals	65	\$1,462,067	15	\$ 302,376	0	\$ 0	80	\$1,764,443

Average Age at Retirement: 59.6 Years.

Average Age Now: 70.9 Years.

Tabulated by Type of Allowances Being Paid

	Age &	Disability		ge & Disability		Dea	th	_
Option Elected	Service	Non-Duty	Duty	Non-Duty	Duty	Totals		
Regular	35		4			39		
A-Cash Refund	1					1		
B-100% J & S	19		5			24		
C-50% J & S	9					9		
D-10 Year Certain								
E-15 Year Certain								
Survivor	1	4	2			7		
Totals	65	4	11			80		



Retiree and Beneficiary Comparative Schedule

Year	Ad	lded to Rolls	Remo	ved from Rolls	Rolls	Rolls End of Year % Incr. in			Discounte	ed Value
Ended		Annual		Annual		Annual	Annual	Average	verage of Allowance	
Dec. 31	No.	Allowances	No.	Allowances	No.	Allowances	Allowances	Allowances	Totals	Average
2016	2	\$ 22,756	1	\$ 4,327	64	\$ 1,210,918	N/A	\$ 18,921	\$ 13,777,708	\$ 215,277
2017	7	114,898	5	31,840	66	1,293,976	6.86%	19,606	14,782,664	223,980
2018	5	100,832			71	1,394,808	7.79%	19,645	16,047,423	226,020
2019	2	56,843			72	1,444,779	3.58%	20,066	17,175,500	238,549
2020	4	93,017	1	12,120	75	1,525,676	5.60%	20,342	17,824,254	237,657
2021	8	162,873	3	16,372	80	1,672,177	9.60%	20,902	19,522,020	244,025
2022	3	93,602	3	35,215	80	1,730,564	3.49%	21,632	19,948,717	249,359
2023	1	25,336	1	4,580	80	1,751,320	1.20%	21,891	19,824,522	247,807
2024	1	25,924	1	12,801	80	1,764,443	0.75%	22,056	19,913,857	248,923



Terminated Members with a Deferred Vested Benefit as of December 31, 2024 **Tabulated by Nearest Age and Estimated Allowance**

Attained Age	No.	Deferred Allowances
38	1	\$ 13,510
44	2	11,100
45	1	12,312
47	2	20,246
49	1	9,064
53	1	14,313
55	1	19,337
58	1	5,208
59	1	9,772
Totals	11	\$114,862



Active Members as of December 31, 2024 by Attained Age and Years of Service

									Totals
Attained			Years of Se	ervice to V	aluation D	ate	-		Valuation
Age	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Payroll
25-29	1							1	\$ 42,878
30-34	12	1	2					15	826,823
35-39	3	3	1					7	445,038
40-44	7	8						15	962,090
45-49	4	6	4	1	3			18	1,142,788
50-54	6	4	6	3	4	1		24	1,655,220
55-59	6	3	3	1	2	5	1	21	1,546,525
60	1	1	1					3	245,199
62		1						1	50,033
63			1	1				2	127,058
64	2	1		1				4	251,146
65					1			1	70,718
66	1				_			1	141,651
67	_	1						1	51,064
78							1	1	30,407
Totals	43	29	18	7	10	6	2	115	\$7,588,638

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 48.8 years. Service: 9.7 years. Annual Pay: \$65,988.





ACTUARIAL COST METHODS AND ASSUMPTIONS

Valuation Methods and Assumptions

The normal cost was computed as follows:

The series of contributions necessary to accumulate the present value at time of retirement of the portion of a member's pension attributable to service likely to be rendered after the valuation date was computed so that each contribution in the series was a constant percentage of the member's year-by-year projected covered compensation. This is the individual entry age normal actuarial cost method.

The accrued liability was computed and financed as follows:

Retirees and Beneficiaries: The discounted value of pensions likely to be paid retirees and beneficiaries was computed using the investment return and mortality assumptions. This amount was financed by applicable accrued assets.

Active and Inactive members: The discounted value of benefits likely to be paid active and inactive members on account of service rendered prior to the valuation date was computed using the assumptions outlined on the following pages.

The computed amount was reduced by applicable valuation assets and the remainder (or overfunding) was financed as a level percent-of-payroll over a rolling period of 10 years.

Asset valuation method: Last year's valuation assets are increased by contributions and expected investment income on last year's valuation assets and non-investment net cash flow and reduced by refunds, benefit payments and expenses. To this amount is added the phased-in recognition of investment income. The phased-in recognition is the sum over the five years ending on the valuation date of 20% of the difference between each year's expected return and actual market return.



Actuarial Assumptions Used for the Valuation

Section 13.4 of the Plan document provided the Board of Trustees the authority to manage and administer the Plan. Subsection (h) provides the Board the ability to require and obtain appropriate Actuary reports. The actuarial assumptions used for this report were based upon the results of such reports; specifically, an Experience Study for the Central County Transportation Authority Pension Plan covering the period January 1, 2019 through December 31, 2023. A report dated January 27, 2025 presented the results of this experience study. The actuarial assumptions represent estimates of future experience.

Investment Return. The rate of investment return is compounded annually net of investment expenses.

Investment Return	7.00%
Wage Inflation	3.25%
Price Inflation	2.25%
Spread Between Investment Return and Wage Inflation	3.75%
Spread Between Investment Return and Price Inflation	4.75%

These assumptions are used to equate the value of payments due at different points in time.

Investment Expenses. 0.50% of average valuation assets.

Administrative Expenses. 0.75% of covered member payroll was added to the Normal Cost in anticipation of administrative expenses expected to be paid during the fiscal year.



Actuarial Assumptions Used for the Valuation (Continued)

Pay Projections. These assumptions are used to project current pays to those upon which benefits will be based.

The annual rate of pay increases consists of two parts:

- (i) A long-term rate of pay inflation equal to 3.25%; and
- (ii) Merit and longevity increases, which vary according to age or length of service. These rates are illustrated below:

Years of		
Service	Exempt	ATU
1	8.0%	6.0%
2	6.0	5.0
3	3.0	4.0
4	2.0	4.0
5	2.0	4.0
6	1.0	2.0
7	1.0	1.0
8	0.5	0.5
9	0.5	0.5
10	0.5	0.5
11	0.5	0.5
12	0.5	0.5
13	0.5	0.5
14	0.5	0.5
thereafter	0.0	0.0

If the number and distribution of active members remain constant, then the total active member payroll is expected to increase 3.25% annually for the base portion of the salary increase assumptions. This increasing payroll was recognized in amortizing unfunded actuarial accrued liabilities.



Actuarial Assumptions Used for the Valuation (Continued)

The mortality tables used were as follows:

- **Healthy Pre-Retirement:** The Pub-2010 Amount-Weighted, General, Employee, Male and Female tables, projected with mortality improvements using the fully generational MP-2021 projection scale from a base year of 2010.
- Healthy Post-Retirement: The Pub-2010 Amount-Weighted, General, Healthy Retiree, Male and Female tables, projected with mortality improvements using the fully generational MP-2021 projection scale from a base year of 2010.
- **Disability Retirement:** The Pub-2010 Amount-Weighted, General, Disabled Retiree, Male and Female tables, projected with mortality improvements using the fully generational MP-2021 projection scale from a base year of 2010.

	Healthy Pre-Retirement		Healthy Post-Retirement		Disabled Retirement	
Sample	Future Life		Future Life		Future Life	
Attained	ined Expectancy (Years)*		Expectancy (Years)*		Expectancy (Years)*	
Ages	Male	Female	Male	Female	Male	Female
55	34.20	36.25	30.72	33.55	22.91	25.76
60	29.29	31.22	25.99	28.68	19.73	22.42
65	24.52	26.29	21.48	23.94	16.77	19.12
70	19.86	21.45	17.21	19.40	13.94	15.73
75	15.32	16.73	13.27	15.14	11.16	12.43
80	10.90	12.17	9.79	11.31	8.57	9.47

^{*} Based on retirements in 2024. Retirements in future years will reflect improvements in life expectancy.

This assumption is used to measure the probabilities of members dying before retirement and the probabilities of each benefit payment being made after retirement.



Actuarial Assumptions Used for the Valuation (Continued)

The rates of retirement used to measure the probability of eligible members retiring during the next year were as follows:

Retirement			
Ages	Exempt	ATU	
55	10%	10%	
56	10	10	
57	25	25	
58	25	25	
59	20	20	
60	25	25	
61	30	30	
62	30	30	
63	15	15	
64	15	15	
65	100	100	

Retirement probabilities were applied for members after both attaining age 55 and completing 15 years of service, or age 62 with 10 years of service (5 years for Non-Union members hired before 9/1/2010).



Actuarial Assumptions Used for the Valuation (Concluded)

Rates of disability were as follows:

% of Active Members Becoming Sample **Disabled within Next Year** Ages ATU Exempt 20 0.23% 0.04% 25 0.27 0.04 30 0.32 0.04 35 0.40 0.04 40 0.55 0.10 45 0.76 0.13 1.45 0.25 50 55 2.84 0.45

0.71

Rates of separation from active membership were as shown below (rates do not apply to members eligible to retire and do not include separation on account of death or disability). This assumption measures the probabilities of members remaining in employment.

0.00

60

Sample Ages	Years of Service	% of Active Members Separating within Next Year
	0	18.0%
	1	16.0
	2	12.0
	3	11.0
	4	10.0
25	5 or Over	7.4
30		5.8
35		5.0
40		4.0
45		3.3
50		2.5
55		2.0
60		2.0



Miscellaneous and Technical Assumptions

Active Member Group Size The number of active members was assumed to remain constant.

Marriage Assumption 100% of males and 100% of females are assumed to be married for

purposes of death-in-service benefits. Male spouses are assumed

to be three years older than female spouses.

Pay Increase Timing Was assumed to occur in the middle of the year. This means that

the pays reported for the valuation are assumed to be rates of pay

on the valuation date.

Decrement Timing Decrements are assumed to occur at the middle of the fiscal year.

Eligibility Testing Eligibility for benefits is determined based upon the age nearest

birthday and service nearest whole year on the date the

decrement is assumed to occur.

Benefit Service Exact fractional service is used to determine the amount of benefit

payable.

Decrement Relativity Decrement rates are used directly from the experience study,

without adjustment for multiple decrement table effects.

Decrement OperationDeath-in-service decrement does not operate until member

becomes vested. Withdrawal does not operate during retirement

eligibility.

Normal Form of Benefit The assumed normal form of benefit is the straight life form.

Incidence of ContributionsContributions are assumed to be received continuously

throughout the year based upon the computed percent of payroll shown in this report, and the actual payroll payable at the time contributions are made. New entrant normal cost contributions

are applied to the funding of new entrant benefits.

Actuarial Equivalence Basis for Optional Forms of Payment 7.0% interest with an 80%/20% unisex blend of the Pub-2010 Tables, with future mortality improvements projected to 2030

using scale MP-2021, effective January 1, 2026.

Post-Retirement Adjustment

Timing

Post-retirement adjustments (PRAs) were assumed to be paid on January 1 of each year for Exempt retirees (beginning the second year following retirement). PRAs were assumed to be paid on the

first of the month immediately following the retiree's birthday for

all other groups.

Active Member Pay Adjustments New hire pays were annualized. Pays were adjusted for members

on Worker's Compensation or Leave of Absence for part of the

valuation year.



Glossary

Accrued Service. The service credited under the plan which was rendered before the date of the actuarial valuation.

Actuarial Accrued Liability. The difference between (i) the actuarial present value of future plan benefits and (ii) the actuarial present value of future normal cost. Sometimes referred to as "accrued liability" or "past service liability." Under the actuarial cost method used the "AAL" differs somewhat from the value of future payments based on benefits earned as of the valuation date.

Actuarial Assumptions. Estimates of future plan experience with respect to rates of mortality, disability, retirement, investment income, and salary increases. Decrement assumptions (rates of mortality, separation, and retirement) are generally based on past experience, often modified for projected changes in conditions. Economic assumptions (salary increases and investment income) consist of an underlying rate appropriate in an inflation-free environment plus a provision for a long-term average rate of inflation.

Actuarial Cost Method. A mathematical budgeting procedure for allocating the dollar amount of the "actuarial present value of future plan benefits" between the normal costs to be paid in the future and the actuarial accrued liability. Sometimes referred to as the "actuarial funding method."

Actuarial Equivalent. Benefits whose actuarial present values are equal.

Actuarial Present Value. The amount of funds presently required to provide a payment or series of payments in the future. It is determined by discounting the future payments at a predetermined rate of interest, taking into account the probability of payment.

Amortization. Payment of an interest-bearing liability by means of periodic contributions of interest and principal, as opposed to a lump sum payment.

Experience Gain (Loss). A measure of the difference between actual experience and experience anticipated by a set of actuarial assumptions during the period between two actuarial valuation dates, in accordance with the actuarial cost method being used.

Normal Cost. The annual cost assigned, under the actuarial funding method, to current and subsequent plan years. Sometimes referred to as "current service cost." An amortization payment toward the unfunded actuarial accrued liability is in addition to the normal cost.

Reserve Account. An account used to indicate that funds have been set aside for a specific purpose and are not generally available for other uses.

Unfunded Actuarial Accrued Liability. The difference between the actuarial accrued liability and valuation assets. Sometimes referred to as "unfunded accrued liability."

Valuation Assets. The value of current plan assets recognized for valuation purposes.





10-Year Contribution Projection

This appendix shows estimated projected contribution requirements for the coming 10 fiscal years, based on the data, methods, and assumptions used for this report and assuming a stable population. The ability to make a periodic payment to certain retirees, as described in Section 15.5 of the CCTA Pension Plan document, is in part contingent on the level of projected employer contributions for the coming 10 fiscal years. The purpose of the projection is to determine estimated employer contribution rates for the next 10 fiscal years. If the projected employer contribution is 0% for 10 years, the CCTA Board may review the remaining requirements in order to determine if a periodic payment may be made. If the projected employer contribution is not 0% for 10 years, a periodic payment may not be made.

The last periodic payment was made during June 2018.

Please note that 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.

	Employer	UAL	Employer
Fiscal Start	NC %	Payment %	Contribution %
October 1, 2025	12.17%	-2.74%	9.43%
October 1, 2026	12.17%	-2.51%	9.66%
October 1, 2027	12.17%	-2.30%	9.87%
October 1, 2028	12.17%	-2.11%	10.06%
October 1, 2029	12.17%	-1.93%	10.24%
October 1, 2030	12.17%	-1.76%	10.41%
October 1, 2031	12.17%	-1.61%	10.56%
October 1, 2032	12.17%	-1.48%	10.69%
October 1, 2033	12.17%	-1.35%	10.82%
October 1, 2034	12.17%	-1.24%	10.93%

