

North Carolina Local Governmental Employees' Retirement System

Principal Results of Actuarial Valuation as of December 31, 2022

October 26, 2023, Board of Trustees Meeting Michael Ribble, FSA, EA, MAAA, FCA Elizabeth Wiley, FSA, EA, MAAA, FCA

Purpose of the annual actuarial valuation

- As of the end of each calendar year:
 - An annual actuarial valuation is performed on LGERS
 - The actuary determines the amount of employer contributions to be made to LGERS during each member's career that, when combined with investment return and member contributions, are expected to be sufficient to pay for retirement benefits.
- In addition, the annual actuarial valuation is performed to:
 - Determine the progress on funding LGERS
 - Explore why the results of the current valuation differ from the results of the valuation of the previous year
 - Satisfy regulatory and accounting requirements



The valuation process

- The diagram to the right summarizes the inputs and results of the actuarial valuation process.
- A detailed summary of the valuation process and a glossary of actuarial terms are provided in the supplementary document, "State of North Carolina Retirement Systems Actuarial Valuation Report Process and Actuarial Terms Glossary" dated October 2023.
- Bars at the top of the page, consistent with the diagram to the right, will appear throughout the presentation to designate where we are in the valuation process. Some of the items on the bars at the top of the page are covered in the appendix to the presentation.





Membership data

| Membership Data Asset Data | Benefit Provisi | ons | ns Assumption | | Funding Methodology |
|---|-----------------------|---------------|---------------|------------------|--|
| The table below provides a summary of the member compared to the prior valuation. | rship data used in th | nis valuation | | | |
| Number as of | 12/31/2022 | 12/31/2 | 021 | | active members increased ne previous valuation date. |
| Active members | 135,706 | 132, | 235 | The increase in | the active population |
| Terminated vested members and survivors of deceased members entitled to benefits but not yet receiving benefits | 26,221 | 24, | 552 | | members accruing |
| Terminated non-vested members and survivors of deceased members entitled to benefits but not yet receiving benefits | 75,597 | 68, | 951 | survivors of dec | retired members and ceased members currently its increased by 4.0% |
| Retired members and survivors of deceased members currently receiving benefits | <u>82,466</u> | <u>79,</u> | <u>318</u> | The increase in | retiree population is |
| Total | 319,990 | 305, | 026 | consistent with | expectations. |

A detailed summary of the membership data used in this valuation is provided in Section 2 and Appendix A.



Actives



A detailed summary of the membership data used in this valuation is provided in Section 2 and Appendix A.



Historical market value and returns



A detailed summary of the market value of assets is provided in Section 3.



AVA and AAL



Detailed summaries of the AVA and AAL are provided in Sections 3 and 4, respectively.



Net actuarial gain or loss

| Actuarial Value of Assets | Actuarial Accrued Liability | Net Actuarial Gain or Loss | | Funded Ra | itio | Employer Contributions | |
|---|---|----------------------------|----|-----------|--|---|--|
| • | reconciliation of the prior yea unfunded actuarial accrued | | | | | | |
| | (in millions) | | | | | | |
| Unfunded actuarial accrued | l liability (UAAL) as of 12/31/ | 2021 | \$ | 3,241 | | | |
| Normal cost and administra | tive expense during 2022 | | | 894 | During 2022, th | e UAAL increased more | |
| Reduction due to actual contributions during 2022 | | | | (1,459) | than expected due to the asset loss of | | |
| Interest on UAAL, normal c | ost, and contributions | | | 222 | \$621 million. | | |
| Asset (gain) / loss | | | | 621 | Additionally, cha | anges in the census data, | |
| Actuarial accrued liability (g | jain) / loss | | | 862 | | -than-expected salary | |
| Impact of assumption chan | ges | | | 0 | | ontinuing active members, IAAL by \$862 million. | |
| Impact of benefit changes | | | | 0 | | IAAL DY 9002 Million. | |
| | | | | | | | |
| Unfunded actuarial accrued | l liability (UAAL) as of 12/31/ | 2022 | \$ | 4,381 | | | |

A detailed summary of the net actuarial gain or loss is provided in Section 4.



Actuarially determined rates



A detailed summary of the actuarially determined employer contribution rates is provided in Section 5.



Employer contributions

| Actuarial Value of Assets | Actuarial Accrued Liability | Net Actuarial Gain or | Loss | Funded Rat | tio | Employer Contributions | | |
|--|-----------------------------|--|-----------------------|--------------------|-----------------------------------|---|--|--|
| The table below provides a reconciliation of the actuarially determined employer contribution. | | | | | | | | |
| | | General Employees and Firefighters | La Enforc Offic | ement | The change in | rate due to investment | | |
| Fiscal year ending June 30, 2024 (based on December 31, 202 Impact of benefit changes | • | 10.43% <u>0.00%</u> | 12.3 <u>0.0</u> | 9% 1 <u>0%</u> | loss is based of assets return of | n the actuarial value of 4.53%, which was lower assumed return. | | |
| Fiscal year ending June 30, 2024 Expected change in UAAL* Change due to demographic (ga | | 10.43% 0.26% 0.70% | | 99% 26% 51% | | assumed return. | | |
| Change due to investment (gain Change due to contributions gree Impact of assumption changes |)/loss | 1.05% (0.38%) 0.00% | 1.0 (0.3 | 95% 98%) 90% | | rate due to demographic / due to higher-than- | | |
| Impact of benefit changes Impact of Direct Rate Smoothing | I | 0.00% 0.60% | 0.0 | 00% <u>6%</u> | expected salary active members | increases for continuings. | | |
| Fiscal year ending June 30, 202 based on December 31, 2022 | • | 12.66% | 14.6 | 9% | | | | |

* Since the ADEC is for fiscal years that begin after the valuation date, and actual contributions are based on the ADEC for the current fiscal year, the timing of the actual contributions can cause an expected increase in UAAL as of the valuation date.

.** Employer contribution rates during 2022 were greater than the ADEC.



ECRSP

| Actuarial Value of Assets | Actuarial Accrued Liability | Net Actuarial Gain or Loss | Funded Ratio | Employer Contributions |
|---|--|---|--------------|--|
| recommended contribution is payroll for law enforcement 13.86% is the actuarially valuation prior to directed enforcement officers. 12.66% is the actuarially | officers for fiscal year ending determined employer contril ate smoothing for general er | general employees and 15.10 2025. bution calculated in this most nployees and 16.19% for law bution after direct-rate smoot | recent | Scheduled ECRSP rate for general employees for FYE 2025 is 13.60% Scheduled ECRSP rate for general employees for FYE 2025 does not exceed the preliminary ADEC after direct-rate smoothing of 12.66% by more than 1%, therefore no adjustment applies |
| | | | | No adjustment results in rate of 13.60% for general employees and 15.10% for law enforcement officers See Appendix H for the LGERS |



ECRSP Policy

Potential COLAs and Supplements for fiscal year ending 2025

| Benefit Enhancements | Additional Disclosures | Projections |
|----------------------|------------------------|-------------|
| | | |

- The December 31, 2022, valuation indicates an actuarial investment loss was incurred during 2022, and there are no investment gains available to support authorization by the LGERS Board of Trustees of either of the following:
 - a Cost-of-Living Adjustment (COLA) that would take effect on July 1, 2024; or
 - a one-time supplement to participants in receipt of benefits on September 1, 2024, payable October 2024.
- Had it been permissible, the cost for a 1% COLA increase would have been \$201.3M, or an increase of 0.31% in the ADEC, payable over 12 years.
- Had it been permissible, the cost of a one-time 1% supplement payment would have been \$19.0M, or an increase of 0.22% in the ADEC, payable over a single year.

A detailed summary of the cost of benefit enhancements is provided in Section 5.



Potential COLA for fiscal year ending 2026

| Benefit Enhancements | Additional Disclosures | Projections |
|----------------------|------------------------|-------------|
| | | |

- Based on the methods and assumptions used for the projections discussed later in the presentation, the conditions for the Board to
 consider granting a COLA effective July 1, 2025, following the December 31, 2023, valuation would include the following minimal levels of
 investment return on market values of assets during 2023:
 - If calendar year 2023 market value return is at least 15.09% (or about \$4.45B for LGERS), the plan is estimated to have an actuarial investment gain (rather than a loss) for 2023 and such gain may be enough to provide some level of COLA effective July 1, 2025.
 - If calendar year 2023 market value return is at least 18.51% (or about \$5.45B for LGERS), the plan is estimated to have an actuarial investment gain (rather than a loss) for 2023 and such gain may be enough to provide a 1% COLA effective July 1, 2025.
 - Estimated actuarial investment gain of \$201.3M
 - Estimated cost of 1% COLA payable to retirees effective July 1, 2025 of \$201.3M

A detailed summary of the cost of benefit enhancements is provided in Section 5.



Potential supplements for fiscal year ending 2026

| Benefit Enhancements | Additional Disclosures | Projections |
|----------------------|------------------------|-------------|
| | | |

- Based on the methods and assumptions used for the projections discussed later in the presentation, the conditions for the Board to consider granting a **one-time supplement** to all in-receipt participants as of September 1, 2025 (payable in October 2025), following the December 31, 2023, valuation would include the following minimal levels of investment return on market values of assets during 2023:
 - If calendar year 2023 market value return is at least 15.09% (or about \$4.45B for LGERS), the plan is estimated to have an actuarial investment gain (rather than a loss) for 2023 and such gain may be enough to provide a one-time supplement payable in October 2025.
 - If calendar year 2023 market value return is at least 15.41% (or about \$4.54B for LGERS), the plan is estimated to have an actuarial investment gain (rather than a loss) for 2023 and such gain may be enough to provide a 1% one-time supplement payable in October 2025.
 - Estimated actuarial investment gain of \$19.0M
 - Estimated cost of 1% one-time supplement payable in October 2025 of \$19.0M

Note: Buck cannot provide legal advice. Neither this slide, nor any other slide, should be interpreted as legal advice as to the Board's ability to provide a COLA to retirees or recommend a COLA to the legislature

A detailed summary of the cost of benefit enhancements is provided in Section 5.



Projections

| В | enefit Enhancements | Additional Disclosures | Projections | | | | | |
|---|---|--|---|--|--|--|--|--|
| • | Projections of actuarially determined employer contribution (ADEC) rates and funded status into the future can be helpful planning tools for stakeholders. | | | | | | | |
| ٠ | Projections of the actuarial valuation are known as deterministic projections. Deterministic projections are based on one scenario in the future. | | | | | | | |
| ٠ | Baseline deterministic projection is based on: | | | | | | | |
| | December 31, 2022 valuation results | | | | | | | |
| | December 31, 2022 valuation assumptions ar | nd methods to project future valuation results, including: | : | | | | | |
| | Valuation interest rate of 6.50% for all ye | ars | | | | | | |
| | Investment return of 6.50% on market va | lue of assets | | | | | | |
| ٠ | The contribution rate under the Employer Contribu | tion Rate Stabilization Policy (ECRSP) is contributed ur | ıtil fiscal year ending 2027. | | | | | |
| ٠ | The ADEC is contributed for fiscal years ending 20 | 28 and beyond. | | | | | | |
| • | For fiscal years beginning subsequent to January 7 employee contribution, which is currently 6%. | 1, 2017, the sum of the "normal contribution" and the "ad | ccrued liability contribution" shall not be less than the | | | | | |
| ٠ | 0% increase in total active member population | | | | | | | |
| ٠ | No cost-of-living adjustments granted | | | | | | | |
| ٠ | Future pay increases based on long-term salary in | crease assumptions | | | | | | |
| ٠ | Two alternate deterministic projections based on the | ne same assumptions as the baseline deterministic proje | ection, except | | | | | |

- First alternate deterministic projection assumes a 0% asset return for calendar year 2023.
- Second alternate deterministic projection assumes a 13% asset return for calendar year 2023.

A detailed summary of the deterministic projections is provided in Section 6.



Projected contribution rates



A detailed summary of the deterministic projections is provided in Section 6.



Projected contribution rates



A detailed summary of the deterministic projections is provided in Section 6.



Projected funded ratio





A detailed summary of the deterministic projections is provided in Section 6.



Key takeaways

- Key results of the December 31, 2022 valuation were:
 - Market value returns of (10.35)% compared to 6.50% assumed
 - Liabilities \$862 million higher than anticipated as of December 31, 2022, primarily from higher-than-expected salary increases for continuing active members.
 - Continuation of direct-rate smoothing of the change in the employer contribution rate due to the changes in assumptions and methods over a 5-year period beginning with the December 31, 2020 valuation
 - Recommended contributions under the Employer Contribution Rate Stabilization Policy (ECRSP) adopted by the Board of Trustees on April 29, 2021 and amended on January 27, 2022. ECRSP rates for FYE 6/30/2025 (assuming no COLA or other benefit or assumption changes):
 - 13.60% of payroll for general employees and firefighters
 - 15.10% of payroll for law enforcement officers



Key takeaways (continued)

- When compared to the December 31, 2021 projections:
 - A lower funded ratio as of December 31, 2022 (88.2% in the valuation compared to 93.1% in the prior year's baseline projection)
 - Higher actuarially determined employer contribution rates for fiscal year ending June 30, 2025
 - 12.66% in the valuation compared to 10.14% in the prior year's baseline projection for general employees and firefighters
 - 14.69% in the valuation compared to 12.26% in the prior year's baseline projection for law enforcement officers
 - Actuarially determined employer contribution rates are less than Employer Contribution Rate Stabilization Policy (ECRSP) rates for general employees and firefighters, and are less than ECRSP rates for law enforcement officers
 - General Employees/Firefighter ECRSP of 13.60% vs. ADEC of 12.66%
 - Law Enforcement Officer ECRSP of 15.10% vs. ADEC of 14.69%



Key takeaways (continued)

- LGERS is well funded compared to its peers. This is due to:
 - Stakeholders working together to keep LGERS well-funded since inception
 - A history of contributing the recommended contribution requirements
 - Assumptions that in aggregate are more conservative than peers
 - A funding policy that aggressively adjusts contribution rates to pay down unfunded liability
 - An ad hoc cost-of-living adjustment, which typically only provides benefit increases when certain financial conditions are met, supports the health of the system
 - Modest changes in benefits when compared to peers
- As has been done for over 75 years, continued focus on these measures will be needed to maintain the sustainability of LGERS well
 into the future



Certification

Future actuarial results may differ significantly from the current results presented in this report due to such factors as the following: fund experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; and changes in plan provisions or applicable law. Such changes in law may include additional costs resulting from future legislated benefit improvements or cost-of-living pension increases or supplements, which are not anticipated in the actuarial valuation. Because of limited scope, Buck performed no analysis of the potential range of such future differences, except for some limited analysis in financial projections or required disclosure information. Information contained in our report for plan years from December 31, 2017, to December 31, 2020, is based on valuations performed by the prior actuarial firm.

The purpose of this presentation is to provide a summary of the actuarial valuation results to the Board at the October 26, 2023 meeting attended by the actuaries. Use of this report for any other purposes may not be appropriate and may result in mistaken conclusions because of failure to understand applicable assumptions, methods, or inapplicability of this presentation for that purpose. This presentation should not be provided without a copy of the full valuation report. Because of the risk of misinterpretation of actuarial results, you should ask Buck, A Gallagher Company (Buck) to review any statement you wish to make on the results contained in this presentation. Buck will not accept any liability for any such statement made without prior review.

This presentation is considered part of the annual actuarial valuation report. Please see below for full description of data, actuarial assumptions and methods, plan provisions, and other applicable disclosures.

This report was prepared under our supervision and in accordance with all applicable Actuarial Standards of Practice. We are Fellows of the Society of Actuaries, Enrolled Actuaries, Members of the American Academy of Actuaries, and Fellows of the Conference of Consulting Actuaries. We meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. We are available to discuss this report with you at your convenience.



Michael A. Ribble, FSA, EA, MAAA, FCA

Appendix I

Supplemental Information



Retirees and survivors receiving benefits



A detailed summary of the membership data used in this valuation is provided in Section 2 and Appendix A.



Market value

| Membership Data | Asset Data | Benefit Provisions Assumption | | Assumptio | ns | Funding Methodology |
|---|----------------------|-------------------------------|------------------------|-----------|--------------------------------------|-----------------------------|
| The table below provides valuations. | details of the Marke | et Value of Assets for the | e current and pric | or year's | | |
| Asset data as of | | 12/31/2022 | 12/31/202 ² | 1 | LGERS assets | are held in trust and are |
| Beginning of year market va | alue of assets | \$ 33,459,926,149 | \$ 30,905,57 | 0,910 | | e exclusive benefit of plan |
| Employer contributions | | 966,602,473 | 813,11 | 9,212 | members. | |
| Employee contributions | | 490,316,163 | 461,05 | 3,728 | Incoming contributions currently cov | |
| Court costs | | 2,484,268 | 2,36 | 0,217 | | e outgoing benefit |
| Benefit payments other t | han refunds | (1,736,653,302) | (1,609,92 | 0,723) | payments and a | administrative expenses. |
| Refunds | | (76,250,624) | (72,89 | 9,062) | Over the long te | erm, benefit payments and |
| Administrative expenses | | (5,728,433) | (5,39 | 9,241) | administrative e | expenses not paid for by |
| Investment income | | (3,445,288,880) | 2,966,04 | 41,108 | | re expected to be covered |
| Net increase / (decrease) | | (3,804,518,335) | 2,554,35 | 55,239 | | t income, illustrating the |
| End of year market value of | fassets | \$ 29,655,407,814 | \$ 33,459,92 | 26,149 | since inception | wing actuarial pre- funding |
| Estimated net investment re market value | eturn on | (10.35)% | Ş | 9.66% | Since inception | |

A detailed summary of the market value of assets is provided in Section 3.



Asset allocation

A detailed summary of the market value of assets is provided in Section 3.



Benefit provisions

| Membership Data | Asset Data | Benefit Provisions | Assumption | ns | Funding Methodology |
|-----------------|--|---------------------------------|------------|---|---|
| · | ribed in North Carolina Gene in benefit provisions from the | eral Statutes, Chapter 128, Art | ticle 3. | in the United S pension reform members (active have been reduced Because of the LGERS due to actuarially detection, because | e well-funded status of the employers paying the ermined employer enefit cuts have not been Carolina as they have |



Actuarial assumptions

| Membership Data | Asset Data | Benefit Provisions | Assumption | IS | Funding Methodology |
|---|---|--------------------|------------|---|--|
| | e the gap between the inform nat may happen in the future. | - | | | |
| Demographic | | | | | |
| Retirement | | | | The assumption | ns used for the December |
| Termination | | | | a de la constante de la constan | rial valuation are based |
| Disability | | | | | ce study prepared as of |
| – Death | | | | | 2019, and adopted by the es on January 28, 2021. |
| Economic | | | | | |
| Interest rate – 6.509 | % per year | | | No assumption since the prior v | changes have been made |
| Salary increase (inc | dividual, varies by service and | d job type) | | Since the phory | |
| — Inflation – 2.50% | | | | | |
| Real wage growth - | - 0.75% | | | | |
| A detailed summary of the actuarial as | sumptions and methods is provided in Ap | opendix C. | | | |



Actuarial cost method

| Membership Data | Asset Data | Benefit Provisions | Assumption | s Funding Methodology |
|--|--|---|----------------|---|
| Cost Method, the Asset Value Actuarial Cost Methods money that should be in benefits accruing during The Board of Truste | uation Method and Amortiza allocate costs to the actuari the fund) for past service a the year) for current service | al accrued liability (i.e., the am nd normal cost (i.e., the cost o e. Normal as its actuarial cost me | nount of of | The following "Objectives and Principles for Funding Public Sector Pension Plans" provides information on funding of Public Plans: <u>https://www.actuary.org/sit</u> es/default/files/files/Public- Plans IB- funding- Policy 02-18-2014.pdf. Page 15 of the following https://www.ccactuaries.org/docs/default- source/papers/cca-ppc_actuarial-funding- policies-and-practices-for-public-pension- plans.pdf - denotes Entry Age Normal as a model practice for cost methods. |
| A detailed summary of the actuarial as | sumptions and methods is provided in A | Appendix C. | | |



Asset valuation method

| Membership Data | o Data Asset Data Benefit Provisions Assum | | Assumption | าร | Funding Methodology |
|---|--|--|------------|--|---|
| The Funding Methodology is the payment plan for LGERS and is composed of the Actuarial Cost Method, the Asset Valuation Method and Amortization Method. Asset Valuation Methods smooth or average the market value returns over time to alleviate contribution volatility that results from market returns. Asset returns in excess of or less than the expected return on market value of assets reflected over a five-year period Assets corridor: not greater than 120% of market value and not less than 80% of market value | | | | Page 20 of the https://www.cca source/papers/o policies-and-pra | following actuaries.org/docs/default- cca-ppc_actuarial-funding- actices-for-public-pension- otes the policy being used |
| | | | | Systems in the valuation methor contribution vol | ic Sector Retirement United States use asset ods to alleviate atility. The use of a four- iod is most common. |

A detailed summary of the actuarial assumptions and methods is provided in Appendix C.



Amortization method

| Membership Data | Asset Data | Benefit Provisions | Assumptions | | Funding Methodology |
|--|--|---|----------------------------------|---|--|
| Cost Method, the Asset Value Amortization Methods de liability (i.e., the difference assets) Payment level: the payment Payment period: a 1 | ation Method and Amortizati etermine the payment schedu ce between the actuarial acci payment is determined as a lo 2-year closed amortization p | S and is composed of the Act on Method. ule for unfunded actuarial acc rued liability and actuarial valu evel dollar amount, like a mor eeriod was adopted for fiscal y l each year based on the prio | rrued ue of rtgage /ear | source/papers/cca policies-and-pract plans.pdf - sugges an acceptable pra When compared to Retirement Syster Amortization Meth debt payments. Th | uaries.org/docs/default- a-ppc_actuarial-funding- ices-for-public-pension- sts the Amortization Method is ctice. o other Public Sector ms in the United States, the nod results in higher pension |
| | | sum of the "normal contribution an the employee contribution. | | designed to in in the Public S * NASRA, April 20 | ayments instead of payments acrease, which is more typical Sector 22, <i>Overview of Public</i> |
| A detailed summary of the actuarial ass | sumptions and methods is provided in Ap | opendix C. | | Pension Plan Amo | ortization Policies |



Actuarial value of assets

| Actuarial Value of Assets | Actuarial Accrued Liability | Net Actuarial Gain or Loss | Funded Ratio | Employer Contributions |
|--|---|--|--|---|
| The table below provides the valuation date. Asset data as of Beginning of year actuarial value of ass Beginning of year market value of asset Total contributions and court costs Benefit payments, refunds and adminit Net cash flow Expected investment return Expected end of year market value of a End of year market value of assets Excess market value over expected m 80% of 2022 asset gain/(loss) 60% of 2021 asset gain/(loss) | ne calculation of the Actuarial sets ets strative expenses | Value of Assets (AVA) at the 12/31/202 \$ 31,643,2 33,459,9 1,459,4 (1,818,6 (359,2 2,163,4 35,264,1 \$ 29,655,4 (5,608,6 (4,486,9 582,2 | 22The actuaria investment a volatility in t28volatility in t208,176The asset v206,149The asset v402,904returns in expected re assets over322,359)expected re assets over404,034Lower than resulted in a for calendar recognized | Employer Contributions al value of assets smooths gains/losses, resulting in less he employer contribution. aluation recognizes asset access of or less than the turn on the market value of a five-year period. expected market returns in 2022 an actuarial value of asset return year 2022 of 4.53% and a actuarial asset loss of \$621 |
| 40% of 2020 asset gain/(loss) 20% of 2019 asset gain/(loss) | | 388,0 | 095,116 085,676 million durin | |
| Total deferred asset gain/(loss) Preliminary end of year actuarial value Final end of year actuarial value of ass (not less than 80% and not greater | sets | (3,052,5 32,707,9 \$ 32,707,9 | P72,457Even after rP72,457at actuarial | ecognizing this gain, the assets value were \$4.4 billion less than |
| Estimated net investment return on ac | | | 4.53% December 3 | l accrued liability as of 31, 2022. |

A detailed summary of the Actuarial Value of Assets is provided in Section 3.



Comparison to market values



A detailed summary of the Actuarial Value of Assets is provided in Section 3.



Comparison to market returns

| Actuarial Value of Assets Actuarial Accrued Liability Net Actuarial Gain | | Net Actuarial Gain o | or Loss Funded Ratio | | Employer Contributions | |
|--|---|---|---|--|--|--|
| Calendar Year | Expected Asset Return | Actuarial Value of Asset Return | Market Value of Asset Return | 20 Yea Averaç Market Re | ge eturn The average | investment return recognized of determining the annual |
| 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2020 2021 2022 20-Year Average 20-Year Range | 7.25% 7.25% 7.25% 7.25% 7.25% 7.25% 7.25% 7.25% 7.25% 7.25% 7.25% 7.25% 7.25% 7.25% 7.25% 7.25% 7.25% 7.20% 7.00% 7.00% 7.00% 6.50% 6.50% | 8.52% 9.00% 8.58% 9.19% 9.03% 2.97% 4.92% 6.10% 5.33% 6.51% 7.61% 7.61% 7.32% 5.87% 5.34% 6.59% 5.13% 6.23% 8.79% 9.14% 4.53% 6.82% 6.22% | $\begin{array}{c} 18.63\%\\ 10.77\%\\ 7.00\%\\ 11.41\%\\ 8.36\%\\ -19.47\%\\ 14.94\%\\ 11.53\%\\ 2.14\%\\ 11.79\%\\ 12.21\%\\ 6.19\%\\ 0.34\%\\ 6.22\%\\ 13.47\%\\ -1.41\%\\ 14.83\%\\ 11.14\%\\ 9.66\%\\ -10.35\%\\ \hline\end{array}$ | N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A | Currently, the the past 20 y an average r The range of assets is ma versus 6.229 Using the ac market value contribution v actuarial nee | Intribution each year is the ue of assets return. A average actuarial return over years of 6.82% compares with market return of 6.56%. A returns on market value of rkedly more volatile, 38.10% |

A detailed summary of the Actuarial Value of Assets is provided in Section 3.



Five-year return history

| Actuarial Value of Assets | Actuarial Accrued Liability | Net Actuarial Gain or Loss | Funded Ratio | Employer Contributions |
|---|---|--|--|--|
| The graph below provides a past five years. | history of the market value a | and actuarial value of assets of assets of a state of a | The investment value of assets was (10.35)%. The actuarial winvestment gas Lower than ex 2022 resulted asset return for 4.53% and a re loss of \$621 m After recognizina actuarial value | value of assets smooths ins and losses. pected market returns in in an actuarial value of r calendar year 2022 of ecognized actuarial asset illion during 2022. ng this loss, the assets at e were \$4.4 billion less than ccrued liability as of |
| A detailed summer of the Astuarial Va | lue of Accesto is provided in Castion 2 | | | |



Actuarial accrued liability



A detailed summary of the Actuarial Accrued Liability is provided in Section 4.


Funded ratio



A detailed summary of the funded ratio is provided in Section 4.



| Ac | tuarial Value of Assets | Actuarial Accrued Liability | Net Actuarial Gain or Loss | Funded Ratio | Employer Contributions |
|----|--|--------------------------------|---------------------------------|---------------------------------|-----------------------------|
| • | The Employer Contributi | ion Rate Stabilization Policy | (ECRSP) adopted by the Boa | ard of Trustees on April 29, 20 | 21, and amended on |
| | January 27, 2022, requir | res that recommended contril | butions for general employees | s be set at 11.35% of payroll | for fiscal year ending 2022 |
| | and will increase each fiscal year by 0.75% per year | | with adjustments for the impa | act of any benefit or assumpti | ion changes that were |
| | made and not incorporat | ted in the previous scheduled | d rate (other than the one-time | e supplement authorized by the | he Board under G.S. 128- |
| | 27(k1) for the fiscal year | ending in 2023), with the foll | lowing additional adjustments | , if applicable: | |

- If the underlying actuarially determined employer contribution rate (ADEC) for a given fiscal year exceeds the adjusted scheduled employer contribution rate for that fiscal year by more than 1.00% of compensation, an increase equal to 50% of the difference is added to the adjusted scheduled employer contribution rate for the current and future fiscal years.
- Beginning July 1, 2024, if the adjusted scheduled employer contribution rate for that fiscal year exceeds the underlying actuarially determined employer contribution rate (ADEC) for a given fiscal year by more than 1.00% of compensation, a decrease equal to 50% of the difference, but not greater than 1.50% of compensation, is subtracted from the adjusted scheduled employer contribution rate for the current and future fiscal years.
- Contribution rates for law enforcement officers will be 1.00% higher than contribution rates for general employees for fiscal year 2023. The 1.00% difference will increase by 0.25% each year until fiscal year 2027, when the contribution rates for law enforcement officers will be 2.00% higher than the contribution rates for general employees.



General employees and firefighters

| Actuarial Value | of Assets | Actuarial Accrued L | iability | Net Actuarial Gain or | Loss | Funded Ra | atio | Employer Contributions |
|--|-------------------|---------------------|------------------|-----------------------|------|-----------------|-----------------|---|
| The table below provides a history of the actuarially determined employer contribution and the corresponding actual rate for General Employees and Firefighters. | | | | | | | | |
| Valuation Date | Rate Effective | Preliminary ADEC | Benefi Change | | | tual ibution | | |
| 12/31/2022 | 7/1/2024 | 12.66% | N/A | N/A | N | J/A | | |
| 12/31/2021 | 7/1/2023 | 10.43% | 0.00% | 10.43% | 12. | 85% | The funding po | licy contribution rate for |
| 12/31/2020 | 7/1/2022 | 11.22% | 0.44% | 11.66% | 12. | 10% | | ng 2025 is 13.60% of |
| 12/31/2019 | 7/1/2021 | 11.27% | 0.00% | 11.27% | 11. | 35% | | eliminary ADEC for fiscal 25 is 12.66% of payroll. |
| 12/31/2018 | 7/1/2020 | 10.24% | 0.00% | 10.24% | 10. | 15% | year chaing zo. | |
| 12/31/2017 | 7/1/2019 | 8.56% | 0.00% | 8.56% | 8.9 | 95% | | |

* The benefit change for the contribution for fiscal year ending June 30, 2023, provided for a one-time supplement payment equal to 2% of the member's annual retirement allowance, payable in October 2022.

A detailed summary of the actuarially determined employer contribution rates is provided in Section 5.



Law enforcement officers

| Actuarial Value | of Assets | Actuarial Accrued L | iability N | et Actuarial Gain or | Loss | Funded Ra | itio | Employer Contributions |
|--|-------------------|---------------------|--------------------|----------------------|------|----------------|----------------|---|
| The table below provides a history of the actuarially determined employer contribution and the corresponding actual rate for Law Enforcement Officers. | | | | | | | | |
| Valuation Date | Rate Effective | Preliminary ADEC | Benefit Changes | Final * ADEC | | tual bution | | |
| 12/31/2022 | 7/1/2024 | 14.69% | N/A | N/A | N/ | /A | | |
| 12/31/2021 | 7/1/2023 | 12.39% | 0.00% | 12.39% | 14.1 | 10% | The funding po | licy contribution rate for |
| 12/31/2020 | 7/1/2022 | 13.00% | 0.44% | 13.44% | 13.1 | 10% | | ng 2025 is 15.10% of |
| 12/31/2019 | 7/1/2021 | 12.94% | 0.00% | 12.94% | 12.1 | 10% | | eliminary ADEC for fiscal 25 is 14.69% of payroll. |
| 12/31/2018 | 7/1/2020 | 11.92% | 0.00% | 11.92% | 10.9 | 90% | | <u></u> |
| 12/31/2017 | 7/1/2019 | 10.22% | 0.00% | 10.22% | 9.7 | 0% | | |

* The benefit change for the contribution for fiscal year ending June 30, 2023, provided for a one-time supplement payment equal to 2% of the member's annual retirement allowance, payable in October 2022.

A detailed summary of the actuarially determined employer contribution rates is provided in Section 5.



ADEC and ECRSP history

| Actuarial Value of Assets | Actuarial Accrued Liability | Net Actuarial Gain or Loss | Funded Ratio | Employer Contributions |
|----------------------------|-----------------------------|-------------------------------|-------------------------------|------------------------|
| The table below provides a | history of the ADEC and ECF | RSP contributions for both Ge | eneral Employees and Firefigl | nters as well as Law |

Enforcement Officers in LGERS.

| | Valuation Rate | | Employees and Fi | refighters | Law | Enforcement Off | orcement Officers | | |
|------------|-------------------|--------|------------------|-------------------------|--------|-----------------|-------------------------|--|--|
| Date | Rate Effective | ADEC | ECRSP | Excess / (Shortfall) | ADEC | ECRSP | Excess / (Shortfall) | | |
| 12/31/2022 | 07/01/2024 | 12.66% | 13.60% | 0.94% | 14.69% | 15.10% | 0.41% | | |
| 12/31/2021 | 07/01/2023 | 10.43% | 12.85% | 2.42% | 12.39% | 14.10% | 1.71% | | |
| 12/31/2020 | 07/01/2022 | 11.66% | 12.10% | 0.44% | 13.44% | 13.10% | (0.34%) | | |
| 12/31/2019 | 07/01/2021 | 11.27% | 11.35% | 0.08% | 12.94% | 12.10% | (0.84%) | | |
| 12/31/2018 | 07/01/2020 | 10.24% | 10.15% | (0.09%) | 11.92% | 10.90% | (1.02%) | | |
| 12/31/2017 | 07/01/2019 | 8.56% | 8.95% | 0.39% | 10.22% | 9.70% | (0.52%) | | |



Additional disclosures

Benefit Enhancements

Additional Disclosures

Projections

The table below illustrates the sensitivity of certain valuation results to changes in the discount rate on a market value of assets basis. All numbers are rounded to the billions*.

| Discount Rate | 3.97% | 5.24% | 6.50% | 7.77% | | 9.03% |
|----------------------------------|-------------|-------------|-------------|-------------|----|--------|
| Market Value of Assets | \$ 29.66 | \$ 29.66 | \$ 29.66 | \$ 29.66 | \$ | 29.66 |
| Actuarial Accrued Liability | \$ 51.38 | \$ 43.28 | \$ 37.09 | \$ 32.21 | \$ | 28.36 |
| Unfunded Accrued Liability (AAL) | \$ 21.73 | \$ 13.62 | \$ 7.43 | \$ 2.56 | \$ | (1.29) |
| Funded Ratio | 57.7% | 68.5% | 80.0% | 92.1% | 1 | 04.5% |
| 20-Year Amortization of UAL | \$ 1.66 | \$ 1.17 | \$ 0.72 | \$ 0.28 | | N/A |
| (as % of general state revenue) | 7.6% | 5.4% | 3.3% | 1.3% | | N/A |

*Numbers may not add due to rounding.

Section 6(c) of Session Law 2016-108 requires that the actuarial valuation report provide the valuation results using a 30year Treasury rate as of December 31 of the year of the valuation as the discount rate.

The 30-year Treasury rate is 3.97% as of December 31, 2022.

The difference between the UAAL measured at 6.50% and 3.97% is \$14.3 billion at December 31, 2022.

A detailed summary of the additional disclosures is provided in Appendix D.



Additional disclosures

| Benefit Enh | nancements | | Additional Dis | sclosures | | Projections |
|--------------------|---|---|---|---|---|---|
| study com | below provides an missioned by the estment Advisory | | | | | |
| Horizon | 95% Chance (19 out of every 20 scenarios) | 75% Chance (3 out of every 4 scenarios) | 50% Chance (1 out of every 2 scenarios) | 25% Chance (1 out of every 4 scenarios) | 5% Chance (1 out of every 20 scenarios) | These results are summarized in "NCRS Investment Policy Statem Review" presentation prepared by |
| 10 Years (2032) | 0.4% | 3.6% | 5.7% | 7.8% | 11.1% | DST Investment Management Div and dated May 25, 2022. |
| 30 Years (2052) | 3.3% | 5.1% | 6.3% | 7.6% | 9.3% | Based on the study, the lower bou 3.97% returns is between 75% to |

n the ment by the Division

ound of to 95% likely to be achieved on average over the next 30 years, while the upper bound of 9.03% is more than 5% likely to be achieved on average over the next 30 years.

A detailed summary of the additional disclosures is provided in Appendix D.



Appendix II

Data for Graphs



Valuation input

Actives

| Membership Data | Asset Data | Benefit Provisions | Assumptions | Funding Methodology |
|-----------------|------------|--------------------|-------------|---------------------|
|-----------------|------------|--------------------|-------------|---------------------|

Active Members

| | Active Member Count | Reported Compensation |
|------------------------------|--|---|
| 2018 2019 2020 2021 | 129,986 132,058 132,397 132,235 | \$ 6,225,257,140 6,488,881,575 6,846,115,903 6,898,855,515 |
| 2022 | 135,706 | 7,526,815,916 |



Valuation input

Historical market value and returns

| Membership Data | Asset Data | Benefit Provisions | Assumptions | Funding Methodology |
|-----------------|------------|--------------------|-------------|---------------------|
|-----------------|------------|--------------------|-------------|---------------------|

Market Value of Assets and Asset Return

| | Market Value of Assets | Asset Return |
|------|---------------------------|--------------|
| 2018 | \$ 25,045,130,611 | -1.41% |
| 2019 | 28,224,698,297 | 14.83% |
| 2020 | 30,905,570,910 | 11.14% |
| 2021 | 33,459,926,149 | 9.66% |
| 2022 | 29,655,407,814 | -10.35% |



Actuarial value of assets / actuarial accrued liability

| Actuarial Value of Assets | Actuarial Accrued Liability | Net Actuarial Gain or Loss | Funded Ratio | Employer Contributions |
|---------------------------|-----------------------------|----------------------------|--------------|------------------------|
|---------------------------|-----------------------------|----------------------------|--------------|------------------------|

Actuarial Accrued Liability and Actuarial Value of Assets

| | Actuarial Accrued Liability | | Ą | Actuarial Value of Assets |
|--------------------------------------|--------------------------------|--|----------------|--|
| 2018 2019 2020 2021 2022 | \$ | 29,223,126,652 30,700,921,303 33,485,232,590 34,884,123,410 37,089,528,129 | \$ \$ \$ \$ \$ | 26,307,348,445 27,435,046,235 29,387,655,709 31,643,208,176 32,707,972,457 |



Rates prior to application of ECRSP

Actuarially Determined Employer Contribution Rates

| Fiscal Year Ending | General Employees and Firefighters | Law Enforcement Officers |
|--------------------------|---------------------------------------|-----------------------------|
| 2021 | 10.24% | 11.92% |
| 2022 | 11.27% | 12.94% |
| 2023 | 11.66% | 13.44% |
| 2024 | 10.43% | 12.39% |
| 2025 | 12.66% | 14.69% |

* Subject to the impact of future legislative changes during that fiscal year



Projected contribution rates

| Benefit Enhancements | Additional Disclosures | Projections |
|----------------------|------------------------|-------------|
|----------------------|------------------------|-------------|

Projected Actuarially Determined Employer Contribution Rates General and Fire

| | Alternate #1 (0.0% 2022 Return) | Baseline Projection | Alternate #2 (13.0% 2022 Return) |
|------|------------------------------------|------------------------|-------------------------------------|
| 2025 | 12.66% | 12.66% | 12.66% |
| 2026 | 13.90% | 13.32% | 12.74% |
| 2027 | 16.33% | 15.04% | 13.76% |
| 2028 | 18.39% | 16.45% | 14.50% |
| 2029 | 20.54% | 18.01% | 15.39% |
| 2030 | 19.89% | 16.83% | 13.63% |
| 2031 | 18.94% | 15.94% | 12.81% |
| 2032 | 17.36% | 14.42% | 11.36% |
| 2033 | 16.20% | 13.33% | 10.34% |
| 2034 | 15.47% | 12.67% | 9.75% |
| 2035 | 14.05% | 11.32% | 8.47% |
| 2036 | 14.66% | 11.99% | 9.21% |
| 2037 | 12.66% | 10.07% | 7.36% |
| 2038 | 11.81% | 9.73% | 7.54% |
| 2039 | 10.06% | 8.59% | 7.01% |
| 2040 | 8.16% | 7.25% | 6.23% |



Projected contribution rates

| Benefit Enhancements | Additional Disclosures | Projections |
|----------------------|------------------------|-------------|
|----------------------|------------------------|-------------|

Projected Actuarially Determined Employer Contribution Rates

Law Enforcement Officers

| | Alternate #1 (0.0% 2022 Return) | Baseline Projection | Alternate #2 (13.0% 2022 Return) |
|------|------------------------------------|------------------------|-------------------------------------|
| 2025 | 14.69% | 14.69% | 14.69% |
| 2026 | 16.09% | 15.51% | 14.93% |
| 2027 | 18.68% | 17.39% | 16.11% |
| 2028 | 20.74% | 18.80% | 16.85% |
| 2029 | 22.88% | 20.35% | 17.73% |
| 2030 | 22.23% | 19.17% | 15.97% |
| 2031 | 21.26% | 18.26% | 15.13% |
| 2032 | 19.66% | 16.72% | 13.66% |
| 2033 | 18.49% | 15.62% | 12.63% |
| 2034 | 17.75% | 14.95% | 12.03% |
| 2035 | 16.31% | 13.58% | 10.73% |
| 2036 | 16.92% | 14.25% | 11.47% |
| 2037 | 14.91% | 12.32% | 9.61% |
| 2038 | 14.05% | 11.97% | 9.78% |
| 2039 | 12.30% | 10.83% | 9.25% |
| 2040 | 10.39% | 9.48% | 8.46% |



Projected funded ratio

Benefit Enhancements

Additional Disclosures

Projections

Projected Funded Ratio

| | Alternate #1 (0.0% 2022 Return) | Baseline Projection | Alternate #2 (13.0% 2022 Return) |
|------|------------------------------------|------------------------|-------------------------------------|
| 2022 | 88.2% | 88.2% | 88.2% |
| 2023 | 87.8% | 88.8% | 89.8% |
| 2024 | 85.5% | 87.7% | 90.0% |
| 2025 | 83.0% | 86.4% | 89.8% |
| 2026 | 80.5% | 84.8% | 89.3% |
| 2027 | 81.2% | 86.3% | 91.5% |
| 2028 | 83.4% | 88.1% | 93.0% |
| 2029 | 85.6% | 89.9% | 94.5% |
| 2030 | 87.8% | 91.6% | 95.7% |
| 2031 | 89.7% | 93.1% | 96.7% |
| 2032 | 91.4% | 94.4% | 97.4% |
| 2033 | 93.1% | 95.6% | 98.2% |
| 2034 | 94.6% | 96.7% | 98.8% |
| 2035 | 96.1% | 97.7% | 99.3% |
| 2036 | 97.5% | 98.6% | 99.8% |
| 2037 | 98.7% | 99.4% | 100.1% |
| 1 | | | |



Valuation input

Retirees and survivors receiving benefits

| Membership DataAsset DataBenefit ProvisionsAssumptionsFunding Methodology | |
|---|--|
|---|--|

Retired Members and Survivors of Deceased Members

| | Retired and Survivors of Deceased Member Count | Retirement Allowance |
|------|---|-------------------------|
| 2018 | 72,087 | \$ 1,400,113,021 |
| 2019 | 75,002 | 1,479,483,328 |
| 2020 | 77,556 | 1,553,600,690 |
| 2021 | 79,318 | 1,633,119,207 |
| 2022 | 82,466 | 1,728,906,067 |



Comparison to market values

| Actuarial Value of AssetsActuarial Accrued LiabilityNet Actuarial Gain or LossFunded RatioEmployer Contribution | ns |
|---|----|
|---|----|

Actuarial Value and Market Value of Assets

| | Actuarial Value of Assets | V | Market /alue of Assets |
|--------------------------------------|--|----|--|
| 2018 2019 2020 2021 2022 | \$ 26,307,348,445 27,435,046,235 29,387,655,709 31,643,208,176 32,707,972,457 | \$ | 25,045,130,611 28,224,698,297 30,905,570,910 33,459,926,149 29,655,407,814 |



Five-year return history

| Actuarial Value of Assets | Actuarial Accrued Liability | Net Actuarial Gain or Loss | Funded Ratio | Employer Contributions |
|---------------------------|-----------------------------|----------------------------|--------------|------------------------|
|---------------------------|-----------------------------|----------------------------|--------------|------------------------|

Asset Returns

| | Actuarial Value Asset Return | Market Value Asset Return | |
|------|---------------------------------|------------------------------|--|
| 2018 | 5.13% | -1.41% | |
| 2019 | 6.23% | 14.83% | |
| 2020 | 8.79% | 11.14% | |
| 2021 | 9.14% | 9.66% | |
| 2022 | 4.53% | -10.35% | |



Actuarial accrued liability

| Actuarial Value of Assets Actuarial Accrued Liability Net Actuarial Gain or Loss Funded Ratio Employer Contribution | ions |
|---|------|
|---|------|

Actuarial Accrued Liability

| | A | Liability for ctive Members | Liability for erred Members | Re | Liability for etired Members | Total Liability |
|------------------------------|----|--|--|----|--|--|
| 2018 2019 2020 2021 | \$ | 13,007,988,139 13,488,079,365 15,515,656,027 15,739,141,841 | \$ 1,835,817,327 1,984,320,009 1,442,127,239 1,640,248,972 | \$ | 14,379,321,186 15,228,521,929 16,527,449,324 17,504,732,597 | \$ 29,223,126,652 30,700,921,303 33,485,232,590 34,884,123,410 |
| 2022 | | 16,787,571,602 | 1,773,584,693 | | 18,528,371,834 | 37,089,528,129 |



Funded ratio

| Actuarial Value of Assets | Actuarial Accrued Liability | Net Actuarial Gain or Loss | Funded Ratio | Employer Contributions |
|---------------------------|-----------------------------|----------------------------|--------------|------------------------|
|---------------------------|-----------------------------|----------------------------|--------------|------------------------|

Funded Ratios

| | Funded Ratio (Actuarial Basis) | Funded Ratio (Market Value Basis) | |
|--------------|-----------------------------------|--------------------------------------|--|
| 2018 | 90.0% | 85.7% | |
| 2019 2020 | 89.4% 87.8% | 91.9% 92.3% | |
| 2021 2022 | 90.7% 88.2% | 95.9% 80.0% | |
| 2322 | 00.270 | 00.070 | |





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North Carolina Local Governmental Employees' Retirement System

Report on the Actuarial Valuation Prepared as of December 31, 2022

October 2023



110 West Berry Street Suite 1300 Fort Wayne, IN 46802

October 13, 2023

Board of Trustees North Carolina Local Governmental Employees' Retirement System 3200 Atlantic Avenue Raleigh, NC 27604

Members of the Board:

We submit herewith our report on the actuarial valuation of the North Carolina Local Governmental Employees' Retirement System (referred to as "LGERS" or the "Local Plan") prepared as of December 31, 2022. The report has been prepared in accordance with North Carolina General Statute 128-28(p). Information contained in our report for plan years from December 31, 2017, to December 31, 2020, is based on valuations performed by the prior actuarial firm.

The primary purpose of the valuation report is to determine the required member and employer contribution rates, to describe the current financial condition of LGERS, and to analyze changes in such condition. Use of this report for any other purposes or by anyone other than North Carolina Retirement Systems Division (RSD) or Department of State Treasurer staff may not be appropriate and may result in mistaken conclusions because of failure to understand applicable assumptions, methods, or inapplicability of the report for that purpose. The attached pages should not be provided without a copy of this cover letter. Because of the risk of misinterpretation of actuarial results, you should ask Buck, A Gallagher Company (Buck) to review any statement you wish to make on the results contained in this report. Buck will not accept any liability for any such statement made without prior review.

The valuation is based upon membership data and financial information as furnished by RSD and the Financial Operations Division and as summarized in this report. Although we reviewed for reasonableness and consistency with the prior valuation, these elements have not been audited by Buck and we cannot certify as to the accuracy and completeness of the data supplied. Sometimes assumptions are made by Buck to interpret membership data that is imperfect. The valuation is also based on benefit and contribution provisions as presented in this report. If you have reason to believe that the plan provisions are incorrectly described that important plan provisions relevant to this valuation are not described, or that conditions have changed since the calculations were made, you should contact the authors of this actuarial report prior to relying on this information.

The valuation is further based on the actuarial valuation assumptions, approved by the Board of Trustees, as presented in this report. We believe that these assumptions are reasonable and comply with the Actuarial Standards of Practice ("ASOPs") 27 and 35. We prepared this valuation in accordance with the requirements of this standard and in accordance with all applicable ASOPs.

The assumptions used for the December 31, 2022 actuarial valuation are based on the experience study prepared as of December 31, 2019 and adopted by the Board of Trustees on January 28, 2021. All assumptions are discussed annually with the appropriate parties, and actuarial gain/loss experience is reviewed during each valuation, to see if any changes are needed. The economic assumptions with respect to investment yield, salary increase, and inflation have been based upon a review of the existing portfolio structure as well as recent and anticipated experience. All assumptions represent an estimate of future experience.

ASOPs 27 and 35 ask the actuary to disclose the information and analysis used to support the actuary's determination that the assumptions selected by the plan sponsor do not significantly conflict with what, in the actuary's professional judgment, are reasonable for the purpose of the measurement. In the case of the Board's selection of the investment return assumption, the signing actuaries have used economic information and tools provided by Buck's Financial Risk Management ("FRM") practice. A spreadsheet tool created by the FRM team converts averages, standard deviations, and correlations from Buck's Capital Markets Assumptions ("CMA") that are used for stochastic forecasting into approximate percentile ranges for the investment return assumption vithout attempting to predict or select a specific best estimate rate of return. It takes into account the duration (horizon) of investment and the target allocation of assets in the portfolio to various asset classes. Based on the actuaries' analysis, including consistency with other assumptions used in the valuation, the percentiles generated by the spreadsheet described above and review of actuarial gain/loss experience, the actuaries believe the assumptions, in the actuaries' professional judgment, are reasonable for the purpose of the measurement.

Where presented, references to "funded ratio" and "unfunded actuarial accrued liability" typically are measured on an actuarial value of assets basis. It should be noted that the same measurements using market value of assets would result in different funded ratios and unfunded accrued liabilities. Moreover, the funded ratio presented may be appropriate for evaluating the need and level of future contributions but makes no assessment regarding the funded status of the plan if the plan were to settle (i.e., purchase annuities) for a portion or all of its liabilities. In various places in the report the results also show funded ratios and unfunded liabilities based upon varying sets of assumptions as well as market values of assets as that is required for certain disclosure information required per accounting rules or statutes. Where this has been done it has been clearly indicated.

Actuarial Standard of Practice No. 56 ("ASOP 56") provides guidance to actuaries when performing actuarial services with respect to designing, developing, selecting, modifying, using, reviewing, or evaluating models. In addition to the spreadsheet model discussed above. Buck uses third-party software in the performance of annual actuarial valuations and projections. The model is intended to calculate the liabilities associated with the provisions of the Plan using data and assumptions as of the measurement date under the accounting rules specified in this report. The output from the third-party vendor software is used as input to an internally developed model that applies applicable accounting rules to the liabilities derived and other inputs, such as Plan assets and contributions, to generate many of the exhibits found in this report. Buck has an extensive review process whereby the results of the liability calculations are checked using detailed sample output. changes from year to year are summarized by source, and significant deviations from expectations are investigated. Other accounting outputs and the internal model are similarly reviewed in detail and at a high level for accuracy, reasonability, and consistency with prior results. Buck also reviews the third-party model when significant changes are made to the software. The review is performed by experts within the company who are familiar with applicable accounting rules as well as the manner in which the model generates its output. If significant changes are made to the internal model, extra checking and review are completed. Significant changes to the internal model that are applicable to multiple clients are generally developed, checked, and reviewed by multiple experts within the company who are familiar with the details of the required changes.

Future actuarial results may differ significantly from the current results presented in this report due to such factors as the following: fund experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; and changes in plan provisions or applicable law. Such changes in law may include additional costs resulting from future legislated benefit improvements or cost-of-living pension increases or supplements, which are not anticipated in the actuarial valuation. Because of limited scope, Buck performed no analysis of the potential range of such future differences, except for some limited analysis in financial projections or required disclosure information.

This report was prepared under our supervision and in accordance with all applicable Actuarial Standards of Practice. We are Fellows of the Society of Actuaries, Enrolled Actuaries, Members of the American Academy of Actuaries, and Fellows of the Conference of Consulting Actuaries. We meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. We are available to discuss this report with you at your convenience.

Respectfully submitted,

Michaela. Rille

Michael A. Ribble, FSA, EA, MAAA, FCA Principal, Retirement Actuary Buck, A Gallagher Company

Elizabeth O. Wiley

Elizabeth A. Wiley, FSA, EA, MAAA, FCA Senior Consultant, Retirement Actuary Buck, A Gallagher Company



Table of Contents

| Executive Summary | |
|---|----|
| Overview | 1 |
| Purpose | 1 |
| Actuarial Comments and Other Observations | 2 |
| Risk | 6 |
| Key Takeaways | 7 |
| Section 1: Principal Results | |
| Table 1 - Summary of Principal Results | 8 |
| Section 2: Membership Data | |
| Table 2 – Summary of Membership Data | 10 |
| Table 3 - Active Member Data | 10 |
| Table 4 – Terminated Member Data | 10 |
| Table 5 – Terminated Non_Vested Member Data | 11 |
| Table 6 - Data for Members Currently Receiving Benefits | 11 |
| Section 3: Asset Data | |
| Table 7- Market Value of Assets | 12 |
| Table 8 - Allocation of Investments by Category of the Market Value of Assets | 12 |
| Table 9 - Actuarial Value of Assets | 13 |
| Table 10 - Historical Asset Returns | 14 |
| Section 4: Liability Results | |
| Table 11 - Liability Summary | 15 |
| Table 12 – Actuarial Value of Assets | 16 |
| Table 13 - Reconciliation of Unfunded Actuarial Accrued Liability | 17 |
| Section 5: Actuarially Determined Employer Contribution | |
| Table 14 - Calculation of the Actuarially Determined Employer Normal Contribution | 19 |
| Table 15 - Reconciliation of the Change in Employer Normal Contribution Rates | 20 |
| Table 16 - Calculation of the New Amortization Base | 21 |
| Table 17 - Amortization Schedule for Unfunded Actuarial Accrued Liability | 21 |
| Table 18 - Actuarially Determined Employer Rates for General Employees and Firefighters | 22 |
| Table 19 - Actuarially Determined Employer Rates for Law Enforcement Officers | 22 |
| Table 20 - Cost of Benefit Enhancements | 23 |
| Section 6: Projections | |
| Key Projection Assumptions | 24 |
| Projected Actuarially Determined Employer Contribution Rates for General employees and Firefighters | 25 |

| , | , | • | |
|---------|----------------|--|---|
| Project | ed Actuarially | Determined Employer Contribution Rates for General employees and Firefighters2 | 5 |
| Project | ed Actuarially | Determined Employer Contribution Rates for Law Enforcement Officers | 5 |
| Project | ed Funded Ra | atio2 | 6 |
| , | | | |

Table of Contents (continued)

Appendices

| Appendix A – Detailed Tabulations of Member Data | 27 |
|--|----|
| Appendix B – Summary of Main Benefit and Contribution Provisions | 41 |
| Appendix C – Actuarial Assumptions and Methods | 46 |
| Appendix D – Additional Disclosures | 53 |
| Appendix E – Detailed Table of Rates of Contributions Payable by Employers | 54 |
| Appendix F – Prior Service Contribution Rates and Estimated Dates of Liquidation by Employer | 77 |
| Appendix G – Participating Employers | 79 |
| Appendix H – ECRSP Policy | 91 |
| | |

Executive Summary

Overview

The North Carolina Retirement Systems Division (RSD) was established in 1941 to provide retirement benefits for public servants in the State of North Carolina. Today, under the management of the Department of State Treasurer, RSD administers seven public pension plans (defined benefit plans), three supplemental retirement plans (voluntary defined contributions plans), a health trust fund, a disability income plan, death benefit funds and a number of other benefit programs. As of December 31, 2022, the RSD defined benefit plans cover over one million current and prior public servants of the state of North Carolina. During the fiscal year ending June 30, 2023, RSD paid over \$7.5 billion in pensions to more than 350,000 retirees. And as of June 30, 2023, RSD's defined benefit plan assets were valued at over \$114 billion.

Under the supplemental retirement plans, the amount of contributions in any given year is defined by law. The amount of benefits derived is dependent on the investment returns the individual achieves. Conversely, under the pension plans, the amount of the benefit paid to a member upon retirement, termination, death, or disability is defined by law. The amount of contributions needed to fund these benefits cannot be known with certainty. In North Carolina, like other states, these contributions are paid during a public servant's career so that upon retirement, termination, death, or disability, there are funds available to pay these benefits. These amounts are determined through an actuarial valuation. Actuarial valuations are performed for each of the pension plans administered by RSD and the results are contained in actuarial valuation reports like this.

The Local Governmental Employees' Retirement System (referred to as "LGERS" or the "Local Plan") was established in 1939 and began accepting participating employers in 1945. LGERS is maintained for the employees of cities, towns, counties, boards, commissions, and other entities of local government in North Carolina. LGERS has over \$29 billion in assets and about 320,000 members. This actuarial valuation report is our annual analysis of the financial health of LGERS. This report, prepared as of December 31, 2022, presents the results of the actuarial valuation of LGERS.

Purpose

An actuarial valuation is performed on LGERS annually as of the end of the calendar year. The actuary determines the amount of contributions to be made to LGERS during each member's career that, when combined with investment return, will be sufficient to pay for retirement benefits.

In addition, the annual actuarial valuation is performed to:

- Determine the required contribution rates for LGERS employers,
- Explore why the results of the current valuation differ from the results of the valuation of the previous year, and
- Satisfy regulatory and accounting requirements.

A detailed summary of the valuation process and a glossary of actuarial terms are provided in the supplementary document, "State of North Carolina Retirement Systems Actuarial Valuation Report Process and Actuarial Terms Glossary" dated October 2023.

Actuary's Comments and Other Observations

Membership

As with any estimate, the actuary collects information that we know now. Under the actuarial valuation process, current information about LGERS members is collected annually by the Retirement Systems Division staff at the direction of the actuary. Membership data will assist the actuary in estimating benefits that could be paid in the future. Information about benefit provisions and assets held in the trust as of the valuation date is also collected.

The member information the actuary collects includes data elements such as current service, salary and benefit group identifier for members that have not separated service, and actual benefit amounts and form of payment for members that have separated service. Data elements such as gender and date of birth are used to determine when a benefit might be paid and for how long.

The table below provides a summary of the membership data used in this valuation compared to the prior valuation.

| Number as of | 12/31/2022 | 12/31/2021 |
|--|------------|------------|
| Active Members | 135,706 | 132,235 |
| Terminated vested members and survivors of deceased members entitled to benefits but not yet receiving benefits | 26,221 | 24,552 |
| Terminated non-vested members and survivors of deceased members entitled to a refund of contributions | 75,597 | 68,951 |
| Retired members and survivors of deceased members currently receiving benefits | 82,466 | <u> </u> |
| Total | 319,990 | 305,026 |

The number of active members increased by 2.6% from the previous valuation date. The increase in the active population results in more benefits accruing, which will require more contributions supporting the system. The number of retired members and survivors of deceased members currently receiving benefits increased by 4.0% from the previous valuation date. The increase in retiree population is consistent with expectations.

Reported compensation for active members for the year ending December 31, 2022 was \$7.5 billion compared to \$6.9 billion in the prior year, an increase of 9.1%. Covered payroll was expected to increase annually by 3.25%. Payroll that is increasing faster than we assume results in more benefits accruing than we anticipate, but also more contributions supporting the system. Although the pay increases will ultimately lead to increases in the dollar amounts of contributions, the immediate effect on the December 31, 2022 actuarial valuation is a reduction in the funded ratio and an increase in required employer contribution rates compared to those anticipated in prior projections.

The number of retired members and survivors of deceased members and the benefits paid to these members has been increasing steadily, as expected based on plan assumptions.

A detailed summary of membership data can be found in Section 2 of this report.

Assets

LGERS assets are held in trust and are invested for the exclusive benefit of plan members. The market value of assets is \$29.7 billion as of December 31, 2022 and \$33.5 billion as of December 31, 2021. The investment return for the market value of assets for calendar year 2022 was (10.35)%.

Market value returns during 2022 were lower than the 6.50% assumed rate of return, resulting in higher actuarially determined contributions and a lower funded ratio than anticipated in the December 31, 2021 baseline projections presented in the December 31, 2021 actuarial report.

The actuarial value of assets smooths investment gains and losses. The actuarial value of assets is \$32.7 billion as of December 31, 2022 and \$31.6 billion as of December 31, 2021. The market value of assets is less than the actuarial value of assets, which is used to determine employer contributions. This indicates that overall, there are unrecognized asset losses to be recognized in future valuations.

Lower than expected market returns in 2022, partially offset by higher than expected market returns in 2019, 2020, and 2021, resulted in an actuarial value of asset return for calendar year 2022 of 4.53% and a recognized actuarial asset loss of \$621 million during 2022. The assets at actuarial value were \$4.4 billion less than the actuarial accrued liability as of December 31, 2022.

Based on historical market returns, the current asset allocation, the current investment policy, and the expectation of future asset returns, as reviewed in the last experience study, the 6.50% discount rate used in this valuation is reasonable and appropriate.

A detailed summary of the market value of assets and actuarial value of assets are provided in Section 3 of this report.

Benefit Provisions

Benefit provisions are described in North Carolina General Statutes, Chapter 128.

There were no significant changes in benefit provisions from the prior year's valuation.

Many Public Sector Retirement Systems in the United States have undergone pension reform where the benefits of members (active or future members) have been reduced. Because of the well-funded status of LGERS due to the legislature contributing at least the actuarially determined employer contribution on the basis of an actuarially sound funding policy, benefit cuts have not been needed in North Carolina as they have been in most other states. However, if North Carolina's investment policy shifts substantively, the system should review likely impacts of the shift and consider corresponding changes to actuarial assumptions, funding policy and/or benefit levels.

As noted previously, cost-of-living increases are periodically considered by the Board of Trustees to the extent that certain financial conditions are met. Specifically, benefit allowance increases are generally considered when the trust experiences sufficient investment gains to cover the additional actuarial accrued liabilities created by the cost-of-living adjustment (generally, limited to the lesser of the CPI increase year-over-year or 4%). In addition to employers consistently contributing the actuary's recommended contribution, this benefit increase policy has helped keep costs manageable when compared to other public sector retirement systems in the United States. That being said, it is important to provide a benefit in retirement that does not get eroded by inflation.

A detailed summary of the benefit provisions is provided in Appendix B of this report.

Actuarial Assumptions

Actuarial assumptions bridge the gap between the information that we know with certainty as of the valuation date (age, gender, service, pay, and benefits of the members) and what may happen in the future. The actuarial assumptions of LGERS are reviewed at least every five years. Based on this review, the actuary will make recommendations on the demographic and economic assumptions.

Demographic assumptions describe future events that relate to people such as retirement rates, termination rates, disability rates, and mortality rates. Economic assumptions describe future events that relate to the assets of LGERS such as the interest rate, salary increases, the real return, and payroll growth.

The assumptions used for the December 31, 2022 actuarial valuation are based on the experience study prepared as of December 31, 2019 and adopted by the Board of Trustees on January 28, 2021. There were no material assumptions and methods that were changed since the prior valuation.

A detailed summary of actuarial assumptions can be found in Appendix C of this report.

Funding Methodology

When compared to other Public Sector Retirement Systems in the United States, the funding policy for LGERS is quite aggressive in that the policy pays down the unfunded actuarial accrued liability over a much shorter period of time (12 years) compared to most other Public Sector Retirement Systems. As such it is a best practice in the industry.

The valuation reflects the change in methodology for determining liquidation of unfunded initial prior service accrued liability, approved by the Board of Trustees in January 2012. The outstanding balance of the unfunded initial prior service accrued liability and the date of liquidation of accrued liability will be estimated as of June 30 each year. These estimates must be recalculated annually and adjusted according to each employer's actual experience.

- Four (4) employers were granted relief at 7/1/2022.
- Five (5) employers were granted relief at 7/1/2023.

A detailed summary of actuarial methods can be found in Appendix C of this report.

Liabilities

The Actuarial Accrued Liability (AAL) increased from \$34.9 billion to \$37.1 billion during 2022. LGERS is an open plan, which means that new members enter the plan each year. In an open plan, liabilities are expected to grow from one year to the next as more benefits accrue and the membership approaches retirement. The AAL was \$862 million higher than expected, resulting primarily from higher-than-expected pay increases for continuing active members.

A detailed summary of the AAL is provided in Section 4 of this report.

Funded Ratio

The funded ratio is a measure of the progress that has been made in funding the plan as of the valuation date. It is the ratio of how much money LGERS actually has in the fund to the amount LGERS should have in the fund.

The ratio of assets to liabilities shows the health of the plan on an accrued basis. The funded ratio on an actuarial basis decreased from 90.7% as of December 31, 2021 to 88.2% as of December 31, 2022.

Unfunded Actuarial Accrued Liability

The unfunded actuarial accrued liability (UAAL) is the portion of actuarial accrued liability that is not covered by the assets of the Retirement System. The actuarial value of assets basis is used for computing contributions to alleviate contribution volatility. The difference in the actuarial accrued liability and the actuarial value of assets is the amount of unfunded actuarial accrued liability to be paid off over a 12-year period.

The UAAL increased from \$3,241 million at December 31, 2021 to \$4,382 million at December 31, 2022. A detailed reconciliation of the UAAL can be found in Section 4 of the report.

Contributions

The graph below provides a history of actuarially determined employer contribution rates prior to the application of the Employer Contribution Rate Stabilization Policy (ECRSP) over the past five years.



* Subject to the impact of future legislative changes effective during that fiscal year

Actuarially determined employer contribution rates include amounts necessary to fund the cost of benefits accruing after reducing for member contributions of 6% of pay, and to pay off the unfunded liability over a 12-year period. The 12-year period is a relatively short period for Public Sector Retirement Systems in the United States, with most Systems using a longer period to pay off unfunded pension liabilities. The shorter period results in higher contributions and more benefit security.

These contribution rates do not include an employer's additional initial contribution for unfunded prior service cost accrued liability. In addition, the actual contributions under the ECRSP are not necessarily equal to the ADEC.

A detailed summary of the actuarially determined employer contribution rates is provided in Section 5 of this report. The ECRSP policy can be found in Appendix H.

Projections

Projections of contribution requirements and funded status into the future can be helpful planning tools for stakeholders. The projections of the actuarial valuation are known as deterministic projections. Deterministic projections are based on one scenario in the future. The baseline deterministic projection is based on December 31, 2022 valuation results and assumptions.

A detailed summary of the deterministic projections can be found in Section 6 of this report.

Risk

Measuring pension obligations and actuarially determined contributions requires the use of assumptions regarding future economic and demographic experience. Whenever assumptions are made about future events, there is risk that actual experience will differ from expected. Actuarial valuations include the risk that actual future measurements will deviate from expected future measurements due to actual experience that is different than the actuarial assumptions.

The primary areas of risk in this actuarial valuation are:

- Investment Risk the potential that investment returns will be different than expected. Section 6 of this report demonstrates the sensitivity of future projected results to asset returns deviating from expected returns.
- Longevity and Other Demographic Risks the potential that mortality or other demographic experience will be different than expected.
- Interest Rate Risk To the extent market rates of interest affect the expected return on assets, there is a risk
 of change to the discount rate which determines the present value of liabilities and actuarial valuation results.
 Table D-1 of this report demonstrates the sensitivity of valuation results to differing discount rates.
- Contribution Risk The potential that actual contributions are different than the actuarially determined contributions.

Annual actuarial valuations are performed for RSD which re-measure the assets and liabilities and compute a new actuarially determined contribution. RSD also has experience studies performed every five years to analyze the discrepancies between actuarial assumptions and actual experience and determine if the actuarial assumptions need to be changed. Annual actuarial valuations and periodic experience studies are practical ways to monitor and reassess risk.

Key Takeaways

The actuarial valuation is performed each year to replace the estimates the actuary assumed for the prior valuation with the actual events that happened. This past year, as expected, some of the assumptions used in the prior valuation were not realized. Key results of the December 31, 2022 valuation as compared to the December 31, 2021 valuation were:

- * Market value returns of (10.35)% during calendar year 2022 compared to 6.50% assumed
- * Liabilities \$862 million higher than anticipated as of December 31, 2022, primarily from higher-than-expected salary increases for continuing active members
- * Continuation of direct-rate smoothing of the change in the employer contribution rate due to the changes in assumptions and methods over a 5-year period beginning with the December 31, 2020 valuation

When compared to the December 31, 2021 projections, the above resulted in:

- * A lower funded ratio as of December 31, 2022 (88.2% in the valuation compared to 93.1% in the baseline projection)
- * Higher actuarially determined employer contribution rates for fiscal year ending June 30, 2025
 - 12.66% in the valuation compared to 10.14% in the baseline projection for general employees and firefighters
 - 14.69% in the valuation compared to 12.26% in the baseline projection for law enforcement officers
- * Actuarially determined employer contribution rates are less than Employer Contribution Rate Stabilization Policy (ECRSP) rates for general employees and firefighters as well as for law enforcement officers
 - General Employees/Firefighter ECRSP of 13.60% vs. ADEC of 12.66%
 - Law Enforcement Officer ECRSP of 15.10% vs. ADEC of 14.69%

LGERS is well funded compared to its peers. This is due to:

- * Stakeholders working together to keep LGERS well-funded since inception
- * A history of contributing the recommended contribution requirements
- * Assumptions that in aggregate are more conservative than peers
- * A funding policy that aggressively adjusts contribution rates to pay down unfunded liability
- * An ad hoc cost-of-living adjustment, which typically only provides benefit increases when certain financial conditions are met, that supports the health of the system
- * Modest changes in benefits when compared to peers

Continued focus on these measures will be needed to maintain the solid status of LGERS well into the future.

This report, prepared as of December 31, 2022, presents the results of the annual valuation of the system. The principal results of the valuation and a comparison with the preceding year's results are summarized in the following table.

Section 1: Principal Results

This report, prepared as of December 31, 2022, presents the results of the annual valuation of the system. The principal results of the valuation and a comparison with the preceding year's results are summarized below.

Table 1: Summary of Principal Results

| Valuation results as of | 12/31/2022 | 12/31/2021 |
|--|---|---|
| Active Members Number Reported Compensation Valuation Compensation* | 135,706 \$ 7,526,815,916 \$ 8,291,648,614 | 132,235 \$ 6,898,855,515 \$ 7,549,539,124 |
| Retired Members and Survivors of Deceased Members Currently Receiving Benefits Number Annual Allowances | 82,466 \$ 1,728,906,067 | 79,318 \$ 1,633,119,207 |
| Number of Participating Employers | 896 | 897 |
| Assets Actuarial Value (AVA) Market Value | \$ 32,707,972,457 \$ 29,655,407,814 | \$ 31,643,208,176 \$ 33,459,926,149 |
| Actuarial Accrued Liability (AAL) Unfunded Actuarial Accrued Liability (AAL-AVA) Funded Ratio (AVA/AAL)** | \$ 37,089,528,129 \$ 4,381,555,672 88.2% | \$ 34,884,123,410 \$ 3,240,915,234 90.7% |
| Unfunded Initial Prior Service Liability | \$ 7,628,212 | \$ 10,095,092 |

* Reported compensation annualized for new hires and projected for valuation purposes.

** The Funded Ratio on a Market Value of Assets basis is 80.0% as of December 31, 2022.

Section 1: Principal Results (continued)

This report, prepared as of December 31, 2022, presents the results of the annual valuation of the system. The principal results of the valuation and a comparison with the preceding year's results are continued below.

| Valuation results as of | 12/31/2022 | 12/31/2021 |
|--|---------------------------------|---------------------------------|
| Results for Fiscal Year Ending | 6/30/2025 | 6/30/2024 |
| Actuarially Determined Employer Contribution (ADEC), as a percentage of payroll General Employees and Firefighters Normal Cost Accrued Liability Total Preliminary ADEC | 6.41% <u>7.45%</u> 13.86% | 6.46% <u>5.77%</u> 12.23% |
| Total Based on Direct Rate Smoothing Impact of Benefit Changes Final ADEC | 12.66% <u>N/A</u> 12.66% | 10.43% <u>N/A</u> 10.43% |
| Law Enforcement Officers Normal Cost Accrued Liability Total | 8.74% <u>7.45%</u> 16.19% | 8.88% <u>5.77%</u> 14.65% |
| Total Based on Direct Rate Smoothing Impact of Benefit Changes Final ADEC | 14.69% <u>N/A</u> 14.69% | 12.39% <u>N/A</u> 12.39% |
| Board Approved Contribution under the Employer Contribution Rate Stabilization Policy (ECRSP) General Employees and Firefighters | 13.60% | 12.85% |
| Law Enforcement Officers | 15.10% | 14.10% |
| Current Funding in Effect at | 7/1/2023 | 7/1/2022 |
| Employer Contribution Rate as a percentage of payroll | | |
| General Employees and Firefighters Law Enforcement Officers | 12.85% 14.10% | 12.10% 13.10% |
Section 2: Membership Data

The Retirement Systems Division provided membership data as of the valuation date for each member of LGERS. The membership data assists the actuary in estimating benefits that could be paid in the future. The tables below provide a summary of the membership data used in this valuation. Detailed tabulations of data are provided in Appendix A.

Table 2: Membership Data

| Number as of | 12/31/2022 | 12/31/2021 |
|--|------------|------------|
| Active Members | 135,706 | 132,235 |
| Terminated vested members and survivors of deceased members entitled to benefits but not yet receiving benefits | 26,221 | 24,522 |
| Terminated non-vested members and survivors of deceased members entitled to a refund of contributions | 75,597 | 68,951 |
| Retired members and survivors of deceased members currently receiving benefits | 82,466 | 79,318 |
| Total | 319,990 | 305,026 |

Table 3: Active Member Data

| | Member | Average | Average | Reported |
|--------------------------|---------|--------------|---------|------------------|
| | Count | Age | Service | Compensation |
| General Employees | 100,636 | 45.45 | 9.19 | \$ 5,361,940,463 |
| Firefighters | 14,179 | 37.40 | 9.63 | 841,654,412 |
| Law Enforcement Officers | 20,891 | <u>38.95</u> | 11.27 | 1,323,221,041 |
| Total | 135,706 | 43.61 | 9.56 | \$ 7,526,815,916 |

The table above includes members not in receipt of benefits who were active at the end of 2022.

Table 4: Terminated Vested Member Data

| | Member | Average | Average | Annual Deferred |
|--------------------------|--------|---------|---------|-----------------------|
| | Count | Age | Service | Retirement Allowances |
| General Employees | 20,035 | 50.35 | 9.51 | \$ 154,482,780 |
| Firefighters | 1,984 | 43.20 | 9.63 | 17,167,802 |
| Law Enforcement Officers | 4,202 | 44.10 | 9.85 | 34,852,018 |
| Total | 26,221 | 48.81 | 9.57 | \$ 206,502,600 |

The table above includes members not in receipt of benefits who were not active at the end of 2022 and met the requirements for vesting upon termination of employment.

Section 2: Membership Data (continued)

| Table 5: Terminated | Non-Vested | Member Data |
|---------------------|------------|--------------------|
|---------------------|------------|--------------------|

| | Member Count | Average Age | Average Service | Accumulated Contributions |
|--------------------------|-----------------|----------------|--------------------|------------------------------|
| General Employees | 64,778 | 43.68 | 1.52 | \$ 286,531,507 |
| Firefighters | 4,650 | 35.93 | 1.81 | 24,698,718 |
| Law Enforcement Officers | 6,169 | 39.11 | 2.00 | 38,080,185 |
| Total | 75,597 | 42.83 | 1.58 | \$ 349,310,410 |

The table above includes members not in receipt of benefits who were not active at the end of 2022 and did not meet the requirements for vesting upon termination of employment.

Table 6: Data for Members Currently Receiving Benefits

| | Member Count | Average Age | Annual Retirement Allowances |
|---|----------------------------------|-------------------------|--|
| Retired Members (Healthy at Retirement) | | | |
| General Employees Firefighters Law Enforcement Officers | 52,015 3,133 <u>10,391</u> | 71.18 65.51 64.87 | \$ 1,035,916,907 103,243,424 306,148,681 |
| Total | 65,539 | 69.91 | \$ 1,445,309,012 |
| Retired Members (Disabled at Retirement)* | | | |
| General Employees | 6,079 | 65.32 | \$ 105,635,512 |
| Firefighters | 1,218 | 62.57 | 33,770,844 |
| Law Enforcement Officers | 1,616 | 58.12 | 35,278,351 |
| Total | 8,913 | 63.64 | \$ 174,684,707 |
| Survivors of Deceased Members | | | |
| General Employees | 5,912 | 72.29 | \$ 73,406,333 |
| Firefighters | 537 | 73.41 | 9,503,265 |
| Law Enforcement Officers | 1,565 | 70.79 | 26,002,748 |
| Total | 8,014 | 72.07 | \$ 108,912,346 |
| Grand Total | 82,466 | 69.44 | \$ 1,728,906,065 |

* Includes retired members reported as disabled in a prior valuation and not subsequently reported as returned to work.

Section 3: Asset Data

Assets are held in trust and are invested for the exclusive benefit of LGERS members. The tables below provide the details of the Market Value of Assets for the current and prior years' valuations.

Table 7: Market Value of Assets

| Asset Data as of | 12/31/2022 | 12/31/2021 |
|---|---|--|
| Beginning of Year Market Value of Assets | \$ 33,459,926,149 | \$ 30,905,570,910 |
| Employer Contributions Employee Contributions Court Costs Benefit Payments Other Than Refunds Refunds Administrative Expenses Investment Income | 966,602,473 490,316,163 2,484,268 (1,736,653,302) (76,250,624) (5,728,433) | 813,119,212 461,053,728 2,360,217 (1,609,920,723) (72,899,062) (5,399,241) 2,966,041,108 |
| Net Increase/(Decrease) End of Year Market Value of Assets Estimated Net Investment Return on Market Value | (3,445,288,880) (3,804,518,335) \$ 29,655,407,814 -10.35% | 2,966,041,108 2,554,355,239 \$ 33,459,926,149 9.66% |

Table 8: Allocation of Investments by Category of the Market Value of Assets

| Asset Data as of | 12/31/2022 | 12/31/2021 |
|--|---|--|
| Allocation by Dollar Amount | | |
| Public Equity Fixed Income (LTIF) Cash and Receivables Other* | \$ 9,882,002,765 6,844,721,031 4,731,059,535 8,197,624,483 | <pre>\$ 11,982,868,255 8,003,854,492 4,790,545,988 8,682,657,414</pre> |
| Total Market Value of Assets | \$ 29,655,407,814 | \$ 33,459,926,149 |
| Allocation by Percentage of Asset Value | | |
| Public Equity | 33.3% | 35.8% |
| Fixed Income (LTIF) | 23.1% | 23.9% |
| Cash and Receivables | 16.0% | 14.3% |
| Other* | <u>27.6%</u> | <u>26.0%</u> |
| Total Market Value of Assets | 100.0% | 100.0% |

* Real Estate, Alternatives, Inflation, and Credit

Section 3: Asset Data (continued)

In order to reduce the volatility that investment gains and losses can have on the required contributions and funded status of LGERS, the Board adopted an asset valuation method to determine the Actuarial Value of Assets used for funding purposes. The table below provides the calculation of the Actuarial Value of Assets at the valuation date.

Table 9: Actuarial Value of Assets

| Asset Data as of | | 12/31/2022 |
|--|----------|---|
| Beginning of Year Actuarial Value of Assets Beginning of Year Market Value of Assets | \$ \$ | 31,643,208,176 33,459,926,149 |
| Total Contributions and Court Costs Benefit Payments, Refunds and Administrative Expenses Net Cash Flow | | 1,459,402,904 (1,818,632,359) (359,229,455) |
| Expected Investment Return | | 2,163,404,034 |
| Expected End of Year Market Value of Assets | | 35,264,100,728 |
| End of Year Market Value of Assets | \$ | 29,655,407,814 |
| Excess of Market Value over Expected Market Value of Assets | | (5,608,692,914) |
| 80% of 2022 Asset Gain/(Loss) 60% of 2021 Asset Gain/(Loss) 40% of 2020 Asset Gain/(Loss) 20% of 2019 Asset Gain/(Loss) Total Deferred Asset Gain/(Loss) | | (4,486,954,331) 582,208,896 464,095,116 388,085,676 (3,052,564,643) |
| Preliminary End of Year Actuarial Value of Assets | | 32,707,972,457 |
| Final End of Year Actuarial Value of Assets (not less than 80% and not greater than 120% of Market Value) | \$ | 32,707,972,457 |
| Estimated Net Investment Return on Actuarial Value | | 4.53% |

Commentary: The actuarial value of assets smooths investment gains/losses, resulting in less volatility in the employer contribution. The asset valuation method recognizes asset returns in excess of or less than the expected return on the market value of assets over a five-year period.

Lower than expected market returns in 2022 resulted in an actuarial value of asset return for calendar year 2022 of 4.53% and a recognized actuarial asset loss of \$621 million during 2022. After recognizing this loss, the assets at actuarial value were \$4.4 billion less than the actuarial accrued liability as of December 31, 2022.

Section 3: Asset Data (continued)

The valuation assumes that the funds will earn a 6.50% asset return in all future years. The table below provides a history of the Actuarial Value and Market Value of Asset returns.

| Calendar Year | Expected Asset Return | Actuarial Value of Asset Return | Market Value of Asset Return | 20 Year Average Market Return |
|------------------|-----------------------------|---------------------------------------|------------------------------------|-------------------------------------|
| 2003 | 7.25% | 8.52% | 18.63% | N/A |
| 2004 | 7.25% | 9.00% | 10.77% | N/A |
| 2005 | 7.25% | 8.58% | 7.00% | N/A |
| 2006 | 7.25% | 9.19% | 11.41% | N/A |
| 2007 | 7.25% | 9.03% | 8.36% | N/A |
| 2008 | 7.25% | 2.97% | -19.47% | N/A |
| 2009 | 7.25% | 4.92% | 14.94% | N/A |
| 2010 | 7.25% | 6.10% | 11.53% | N/A |
| 2011 | 7.25% | 5.33% | 2.14% | N/A |
| 2012 | 7.25% | 6.51% | 11.79% | N/A |
| 2013 | 7.25% | 7.61% | 12.21% | N/A |
| 2014 | 7.25% | 7.32% | 6.19% | N/A |
| 2015 | 7.25% | 5.87% | 0.34% | 6.93% |
| 2016 | 7.25% | 5.34% | 6.22% | 6.78% |
| 2017 | 7.20% | 6.59% | 13.47% | 6.57% |
| 2018 | 7.00% | 5.13% | -1.41% | 5.67% |
| 2019 | 7.00% | 6.23% | 14.83% | 5.90% |
| 2020 | 7.00% | 8.79% | 11.14% | 6.32% |
| 2021 | 6.50% | 9.14% | 9.66% | 6.91% |
| 2022 | 6.50% | 4.53% | -10.35% | 6.56% |
| 20-Year Average | 7.13% | 6.82% | 6.56% | N/A |
| 20-Year Range | 0.75% | 6.22% | 38.10% | N/A |

Table 10: Historical Asset Returns

Commentary: The average investment return recognized for purposes of determining the annual change in contribution each year is the actuarial value of assets return. Currently, the average actuarial return over the past 20 years of 6.82% compares with an average market return of 6.56%. The range of returns on market value of assets is markedly more volatile, 38.10% versus 6.22%. This results in much lower employer contribution volatility using the actuarial value of assets versus market, while ensuring that the actuarial needs of LGERS are met.

Section 4: Liability Results

Using the provided membership data, benefit provisions, and actuarial assumptions, the Retirement System's future benefit payments are estimated. These projected future benefit payments are discounted into today's dollars using the assumed rate of investment return assumption to determine the Present Value of Future Benefits. The Present Value of Future Benefits is allocated to past, current, and future service, respectively known as the actuarial accrued liability, normal cost and present value of future normal costs. The table below provides these liability numbers for the current and prior years' valuations.

Table 11: Liability Summary

| Valuation Results as of | 12/31/2022 | 12/31/2021 |
|---|--|--|
| (a) Present Value of Future Benefits (1) Active Members (2) Terminated Members (3) Members Currently Receiving Benefits (4) Total | \$ 24,972,285,945 1,773,584,693 <u>18,528,371,834</u> \$ 45,274,242,472 | \$ 23,224,536,176 1,640,248,972 <u>17,504,732,597</u> \$ 42,369,517,745 |
| (b) Present Value of Future Normal Costs (1) Employee Future Normal Costs (2) Employer Future Normal Costs (3) Total | \$ 3,885,383,808 4,299,330,535 \$ 8,184,714,343 | \$ 3,536,283,962 3,949,110,373 \$ 7,485,394,335 |
| (c) Actuarial Accrued Liability: (a4) - (b3) | \$ 37,089,528,129 | \$ 34,884,123,410 |
| (d) Actuarial Value of Assets | \$ 32,707,972,457 | \$ 31,643,208,176 |
| (e) Unfunded Accrued Liability: (c) - (d) | \$ 4,381,555,672 | \$ 3,240,915,234 |
| (f) Unfunded Initial Prior Service Liability* | \$ 7,628,212 | \$ 10,095,092 |
| (g) Unfunded Actuarial Accrued Liability to be Amortized over 12 Years (e) - (f) | \$ 4,373,927,460 | \$ 3,230,820,142 |

* The unfunded initial prior service liability balance as of December 31, 2022 and the applicable employer contribution rate as of July 1, 2024 is provided in Appendix F, for participating employers with remaining initial prior service liability as of December 31, 2022. Appendix F also provides a non-binding estimated date of liquidation of the liability based on this valuation.

Commentary: Separate initial unfunded prior service accrued liabilities are still maintained for employers who join the system prior to November 1, 2015.

Section 4: Liability Results (continued)

The "Estimated Date of Liquidation of Initial Prior Service Liability", shown in Appendix F, must be recalculated annually and adjusted according to each unit's actual experience. The estimated date for liquidation of the liability as of the valuation date does not constitute a guarantee that a local unit will complete the liquidation as of the estimated date, for the reason that actual experience may not match the projections used to create the estimate.

The table below provides a summary of the participating employers in the current and prior years' valuations.

Table 12: Participating Employers

| Valuation Date | 12/31/2022 | 12/31/2021 |
|--|------------|------------|
| Total Participating Employers | 896 | 897 |
| Employers Paying a Prior Service Liability Rate at Prior Valuation Date | 48 | 56 |
| Employers Completing Scheduled Payments Since Prior Valuation Date | 2 | 1 |
| Employers Granted Early Relief Since Prior Valuation Date | 4 | 7 |
| Total Participating Employers Paying a Prior Service Liability Rate at Valuation Date | 42 | 48 |
| Employers Granted Relief for Fiscal Year Beginning 6 Months after Valuation Date | 5 | 4 |
| Employers with Expected Relief for Fiscal year Beginning 18 Months after Valuation Date | 7 | 3 |

Section 4: Liability Results (continued)

The table below provides a reconciliation of the prior year's unfunded actuarial accrued liability to the current year's unfunded actuarial accrued liability.

Table 13: Reconciliation of Unfunded Actuarial Accrued Liability

| (in millions) | | |
|--|----|---------|
| Unfunded Actuarial Accrued Liability (UAAL) as of 12/31/2021 | \$ | 3,241 |
| Normal Cost and administrative expense during 2022 | | 894 |
| Reduction due to actual contributions during 2022 | | (1,459) |
| Interest on UAAL, normal cost, and contributions | | 222 |
| Asset (gain)/loss | | 621 |
| Actuarial accrued liability (gain)/loss | | 862 |
| Impact of assumption changes | | - |
| Impact of benefit changes | | - |
| Unfunded actuarial accrued liability (UAAL) as of 12/31/2022 | \$ | 4,381 |

Commentary: During 2022, the UAAL increased due to the asset loss of \$621 million. Additionally, changes in the census data, primarily higher-than-expected salary increases for continuing active members, increased the UAAL by \$862 million.

The actuarially determined employer contribution consists of a normal cost rate and an accrued liability rate. The normal cost rate is the employer's portion of the cost of benefits accruing during the year after reducing for the member contribution. The accrued liability rate is the payment toward the unfunded actuarial accrued liability in order to pay off the unfunded actuarial accrued liability over 12 years. For fiscal years beginning subsequent to January 1, 2017, the sum of the normal cost rate and the accrued liability rate shall not be less than the employee contribution.

The Employer Contribution Rate Stabilization Policy (ECRSP) adopted by the Board of Trustees on April 29, 2021, and amended on January 27, 2022, requires that recommended contributions for general employees be set at 11.35% of payroll for fiscal year ending 2022 and will increase each fiscal year by 0.75% per year, with adjustments for the impact of any benefit or assumption changes that were made and not incorporated in the previous scheduled rate with the following additional adjustments, if applicable:

- (1) If the underlying actuarially determined employer contribution rate (ADEC) for a given fiscal year exceeds the adjusted scheduled employer contribution rate for that fiscal year by more than 1.00% of compensation, an increase equal to 50% of the difference is added to the adjusted scheduled employer contribution rate for the current and future fiscal years
- (2) Beginning July 1, 2024, if the adjusted scheduled employer contribution rate for that fiscal year exceeds the underlying actuarially determined employer contribution rate (ADEC) for a given fiscal year by more than 1.00% of compensation, a decrease equal to 50% of the difference, but not greater than 1.50% of compensation, is added to the adjusted scheduled employer contribution rate for the current and future fiscal years

The ECRSP contribution rates for law enforcement officers will be 1.00% higher than contribution rates for general employees for fiscal year 2023. The 1.00% difference will increase by 0.25% each year until fiscal year 2027, when the contribution rates for law enforcement officers will be 2.00% higher than the contribution rates for general employees.

Appendix H contains a full description of the ECRSP policy.

The table below provides the calculation of the actuarially determined employer contribution for the current valuation. The contribution rates shown in the table below do not include an employer's additional initial contribution for unfunded prior service liability.

Table 14: Calculation of the Actuarially Determined Employer Normal Contribution

| Valuation Date | 12/31/2022 | 12/31/2021 |
|--|--|--|
| ADEC for Fiscal Year Ending | 6/30/2025 | 6/30/2024 |
| Normal Cost Rate Calculation | | |
| (a) Normal Cost Rate General Employees and Firefighters Law Enforcement Officers | 12.28% 14.74% | 12.33% 14.88% |
| (b) Employee rate | 6.00% | 6.00% |
| (c) Expenses General Employees and Firefighters Law Enforcement Officers | 0.13% 0.00% | 0.13% 0.00% |
| (d) Total Normal Cost Rate: (a) - (b) + (c) General Employees and Firefighters Law Enforcement Officers | 6.41% 8.74% | 6.46% 8.88% |
| Accrued Liability Rate Calculation | | |
| (e) Total Annual Amortization Payments* (f) Projected Compensation** (g) Accrued Liability Rate: (e) / (f) | \$ 633,265,996 8,502,121,758 7.45% | \$ 447,155,812 7,748,900,026 5.77% |
| Preliminary ADEC: (d) + (g) General Employees and Firefighters Law Enforcement Officers | 13.86% 16.19% | 12.23% 14.65% |
| ADEC with Direct Rate Smoothing General Employees and Firefighters Impact of Benefit Changes Final ADEC | 12.66% <u>N/A</u> 12.66% | 10.43% <u>N/A</u> 10.43% |
| Law Enforcement Officers Impact of Benefit Changes Final ADEC | 14.69% <u>N/A</u> 14.69% | 12.39% <u>N/A</u> 12.39% |

* See Table 17 for more detail.

** Beginning with the December 31, 2017 valuation, compensation is projected to the fiscal year over which contributions will occur.

A detailed table of contribution rates payable by participating employers is provided in Appendix E. In addition to the actuarially determined employer contribution, as determined by the December 31, 2022 valuation (see Table 14 for more details), the unfunded initial prior service liability contribution rate is reflected for those employers that have not liquidated this liability as of June 30, 2024 (see Appendix F for more details).

The table below provides a reconciliation of the current and prior years' actuarially determined employer contributions.

Table 15: Reconciliation of the Change in Employer Normal Contribution Rates

| | General Employees and Firefighters | Law Enforcement Officers |
|--|---|--------------------------------|
| Fiscal year ending June 30, 2024 Preliminary ADEC | | |
| (based on December 31, 2021 valuation) | 10.43% | 12.39% |
| Impact of benefit changes | 0.00% | 0.00% |
| Fiscal year ending June 30, 2024 Final ADEC | 10.43% | 12.39% |
| Expected change in UAAL* | 0.26% | 0.26% |
| Change due to demographic (gain)/loss | 0.70% | 0.62% |
| Change due to investment (gain)/loss | 1.05% | 1.05% |
| Change due to contributions greater than ADEC** | (0.38%) | (0.38%) |
| Impact of assumption changes | 0.00% | 0.00% |
| Impact of benefit changes | 0.00% | 0.00% |
| Impact of Direct Rate Smoothing | 0.60% | 0.75% |
| Fiscal year ending June 30, 2025 Preliminary ADEC (based on December 31, 2022 valuation) | 12.66% | 14.69% |

* Amortization of the UAAL is determined as a level dollar amount with payments expected to remain the same over the amortization period but was calculated as a percentage of valuation payroll in the previous valuation. Payroll is expected to increase annually while the expected amortization payment does not increase. This causes the expected amortization payment to be a lesser percentage of the expected payroll. Also, since the ADEC is for fiscal years that begin after the valuation date, and actual contributions are based on the ADEC for the current fiscal year, and since the ADECs have been increasing in recent years, the timing of the actual contributions can cause an expected increase in UAAL. In periods when the ADEC is decreasing from year to year, the timing of the actual contributions can accelerate the expected decrease in UAAL.

** Employer contribution rates for General Employees and Law Enforcement during 2022 were greater than the ADEC overall.

Amortization methods determine the payment schedule for the unfunded actuarial accrued liability. LGERS adopted a 12-year closed amortization period for fiscal year ending 2018. A new amortization base is created each year based on the prior years' experience. The tables below provide the calculation of the new amortization base and the amortization schedule for the current year's valuation.

Table 16: Calculation of the New Amortization Base

| Calculation as of | | | 12/31/2022 | | 12/31/2021 |
|--------------------------|--|-------------|--|-------------|---|
| (a) (b) (c) (d) | Unfunded Actuarial Accrued Liability* Prior Years' Outstanding Balances New Amortization Base: (a) - (b) New Amortization Payment | \$ \$ \$ \$ | 4,373,927,460 2,948,163,892 1,425,763,568 186,110,184 | \$ \$ \$ \$ | 3,230,820,142 3,943,620,512 (712,800,370) (93,044,465) |

* Does not include the unfunded initial prior service liability

Table 17: Amortization Schedule for Unfunded Actuarial Accrued Liability

| Date Established | Original Balance | 12/31/2022 Outstanding Balance | Annual Payment Effective July 1, 2024 |
|---------------------|---------------------|--------------------------------------|--|
| December 31, 2015 | \$ 677,367,798 | \$ 479,656,346 | \$ 89,938,080 |
| December 31, 2016 | 472,513,055 | 373,607,960 | 62,510,871 |
| December 31, 2017 | 961,083,903 | 833,642,073 | 126,675,678 |
| December 31, 2018 | 667,733,439 | 627,997,914 | 87,853,163 |
| December 31, 2019 | 377,679,711 | 380,450,128 | 49,531,383 |
| December 31, 2020 | 947,579,888 | 1,011,941,865 | 123,691,102 |
| December 31, 2021 | (712,800,370) | (759,132,394) | (93,044,465) |
| December 31, 2022 | 1,425,763,568 | 1,425,763,568 | 186,110,184 |
| Total | | \$ 4,373,927,460 | \$ 633,265,996 |

The tables below provide a history of the actuarially determined employer contribution rates.

Table 18: Actuarially Determined Employer Contribution Rates for GeneralEmployees and Firefighters

| Valuation Date | Rate Effective | Preliminary ADEC | Benefit Changes* | Final ADEC | Actual Contribution |
|-------------------|-------------------|---------------------|---------------------|---------------|------------------------|
| 12/31/2022 | 7/1/2024 | 12.66% | N/A | N/A | N/A |
| 12/31/2021 | 7/1/2023 | 10.43% | 0.00% | 10.43% | 12.85% |
| 12/31/2020 | 7/1/2022 | 11.22% | 0.44% | 11.66% | 12.10% |
| 12/31/2019 | 7/1/2021 | 11.27% | 0.00% | 11.27% | 11.35% |
| 12/31/2018 | 7/1/2020 | 10.24% | 0.00% | 10.24% | 10.15% |
| 12/31/2017 | 7/1/2019 | 8.56% | 0.00% | 8.56% | 8.95% |

* Benefit changes for the contribution for fiscal year ending June 30, 2023 provided to LGERS benefit recipients a one-time supplement equal to 2% of the member's annual retirement allowance for the fiscal year ending June 30, 2023, paid by October 2022.

Table 19: Actuarially Determined Employer Contribution Rates for LawEnforcement Officers

| Valuation Date | Rate Effective | Preliminary ADEC | Benefit Changes* | Final ADEC | Actual Contribution |
|-------------------|-------------------|---------------------|---------------------|---------------|------------------------|
| 12/31/2022 | 7/1/2024 | 14.69% | N/A | N/A | N/A |
| 12/31/2021 | 7/1/2023 | 12.39% | 0.00% | 12.39% | 14.10% |
| 12/31/2020 | 7/1/2022 | 13.00% | 0.44% | 13.44% | 13.10% |
| 12/31/2019 | 7/1/2021 | 12.94% | 0.00% | 12.94% | 12.10% |
| 12/31/2018 | 7/1/2020 | 11.92% | 0.00% | 11.92% | 10.90% |
| 12/31/2017 | 7/1/2019 | 10.22% | 0.00% | 10.22% | 9.70% |

* Benefit changes for the contribution for fiscal year ending June 30, 2023 provided to LGERS benefit recipients a one-time benefit supplement payment equal to 2% of the member's annual retirement allowance for the fiscal year ending June 30, 2023, paid by October 2022.

The following table shows estimates of the potential cost of two types of benefit improvements if they were enacted based on the results of the December 31, 2022 or December 31, 2021 valuations. The first benefit improvement is a permanent one-time cost-of-living increase, the second is a one-time supplement and the third is an increase in the defined benefit formula multiplier.

Table 20: Cost of Benefits Enhancements

| Calculation as of | 12/31/2022 | 12/31/2021 |
|--|----------------------|----------------------|
| Increase in the UAAL for a 1% COLA Increase in the ADEC for a 1% COLA | 201,298,000 0.31% | 189,284,000 0.32% |
| Increase in the UAAL for a 1% Supplement Increase in the ADEC for a 1% Supplement | 19,037,000 0.22% | 17,930,000 0.23% |
| Increase in the UAAL for a 0.01% Increase in the Defined Benefit Formula Increase in the ADEC for a 0.01% Increase | 196,470,000 | 186,871,000 |
| in the Defined Benefit Formula | 0.38% | 0.39% |

The 1% COLA in the December 31, 2022 column would be effective July 1, 2024 and includes expected costs of COLAs paid for retirements after December 31, 2022 and before June 30, 2024. The COLA would be paid in full to retired members and survivors of deceased members on the retirement roll on July 1, 2023 and would be prorated for retired members and survivors of deceased members who commence benefits after July 1, 2023 but before June 30, 2024. We are assuming that the cost of the COLA is amortized over a 12-year period.

The 1% Supplement in the December 31, 2022 column includes expected costs of supplements paid for retirements before June 30, 2024. The supplement would be equal to 1.0% of the annual allowances of retirees and other beneficiaries who commence retirement on or before July 1, 2024. We are assuming that the cost of the supplement is amortized over a one-year period.

The 0.01% increase in the defined benefit formula would include a corresponding increase in retirement allowances. We are assuming that the cost of the 0.01% benefit increase is amortized over a 12-year period.

N.C.G.S. 128-27(k) COLA Disclosure for Board of Trustees:

This valuation indicates an actuarial investment loss was incurred during 2022, and there are no investment gains available to support authorization by the LGERS Board of Trustees of either of the following:

- a Cost-of-Living Adjustment (COLA) that would take effect on July 1, 2024; or
- a one-time supplement to participants in receipt of benefits on September 1, 2024, payable October 2024.

Had it been permissible, then:

- (1) The maximum COLA that could have been granted under N.C.G.S. 128-27(k) by the Board payable in Fiscal Year 2024 is 4.00%
- (2) Amount of actuarial accrued liability that would have been added if the maximum COLA is granted: \$805.2 million
- (3) Amount the maximum COLA would have increased the underlying ADEC: 1.24%
- (4) ECRSP rate for General/Firefighters including the impact for this COLA: 14.84% (13.60% + 1.24%)
- (5) ECRSP rate for Law Enforcement Officers including the impact for this COLA: 16.34% (15.10% + 1.24%)

Section 6: Projections

Projections of contribution requirements and funded status into the future can be helpful planning tools for stakeholders. This section provides such projections. The projections of the actuarial valuation are known as deterministic projections. Deterministic projections are based on one scenario in the future. The baseline deterministic projection is based on December 31, 2022 valuation results as assumptions.

Key Projection Assumptions

- Valuation interest rate of 6.50%
- Direct rate smoothing of the employer contribution rate over a 5-year period beginning July 1, 2023.
- 6.50% investment return on market value of assets
- Actuarial assumptions and methods as described in Appendix C. All future demographic experience is assumed to be exactly realized.
- The contribution rate under the Employer Contribution Rate Stabilization Policy (ECRSP) is contributed until fiscal year ending 2027.
- The actuarially determined contribution rate is contributed for fiscal years ending 2028 and beyond.
- 0% increase in the total active member population
- No cost-of-living adjustments granted
- Future pay increases based on long-term valuation

The ECRSP contribution rate is the Stable Contribution rate shown in the projections. See Appendix H for more detail on the ECRSP. In addition, we have provided two alternate deterministic projections. The first alternate deterministic projection is based on the same assumptions as the baseline deterministic projection except that it assumes a 0.0% asset return for calendar year 2023. The second alternate deterministic projection is based on the same assumption except that it assumes as the baseline deterministic projection is based on the same assumption except that it assumes a 0.0% asset return for calendar year 2023. The second alternate deterministic projection is based on the same assumptions as the baseline deterministic projection except that it assumes a 13.0% asset return for calendar year 2023.

Section 6: Projections (continued)

The graphs below provide the actuarially determined employer contribution rates projected for 15 years, as well as the board approved stable contribution under the Employer Contribution Rate Stabilization Policy.



Projected Actuarially Determined Employer Contribution Rates for General Employees and Firefighters

Projected Actuarially Determined Employer Contribution Rates for Law Enforcement Officers



North Carolina Local Governmental Employees' Retirement System December 31, 2022 Actuarial Valuation

Section 6: Projections (continued)

The graph below provides the funded ratio projected for 15 years.

Projected Funded Ratio



Absent favorable asset returns and other deviations from expectations resulting in gains to the plan's funded status, funded ratios are expected to decline until 2026, which is the point that the unfavorable asset returns in 2022 are fully recognized in the actuarial value of assets. Subsequently, funded ratios are expected to increase as unfunded liability bases associated with the asset returns in 2022 are amortized.

Appendix A: Detailed Tabulations of Member Data

Table A-1: Number and Average Reported Compensation of Active MembersDistributed by Age and Service as of December 31, 2022

| | | | | | Years of | Service | | | | | |
|----------|---------|--------|--------|----------|----------|----------|----------|----------|----------|---------|---------|
| Age | Under 1 | 1 to 4 | 5 to 9 | 10 to 14 | 15 to 19 | 20 to 24 | 25 to 29 | 30 to 34 | 35 to 39 | 40 & Up | Total |
| Under 25 | 1,715 | 4,825 | 126 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,666 |
| | 9,212 | 38,343 | 49,115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31,052 |
| 25 to 29 | 1,553 | 9,033 | 3,314 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 13,938 |
| | 9,721 | 43,848 | 53,553 | 56,716 | 0 | 0 | 0 | 0 | 0 | 0 | 42,388 |
| 30 to 34 | 1,241 | 6,907 | 6,647 | 1,825 | 57 | 0 | 0 | 0 | 0 | 0 | 16,677 |
| | 9,944 | 45,145 | 55,931 | 62,287 | 64,887 | 0 | 0 | 0 | 0 | 0 | 48,768 |
| 35 to 39 | 915 | 4,957 | 4,907 | 3,823 | 2,002 | 39 | 0 | 0 | 0 | 0 | 16,643 |
| | 10,289 | 46,960 | 58,037 | 65,072 | 67,782 | 71,752 | 0 | 0 | 0 | 0 | 54,933 |
| 40 to 44 | 801 | 4,083 | 3,690 | 2,833 | 3,899 | 1,469 | 45 | 0 | 0 | 0 | 16,820 |
| | 11,015 | 48,264 | 58,768 | 65,432 | 71,158 | 74,857 | 80,475 | 0 | 0 | 0 | 59,402 |
| 45 to 49 | 682 | 3,599 | 3,174 | 2,322 | 3,051 | 3,312 | 1,391 | 12 | 0 | 0 | 17,543 |
| | 10,747 | 47,913 | 58,420 | 64,497 | 70,556 | 77,311 | 82,423 | 74,940 | 0 | 0 | 62,807 |
| 50 to 54 | 621 | 3,453 | 3,128 | 2,335 | 2,751 | 2,759 | 2,978 | 408 | 9 | 0 | 18,442 |
| | 9,988 | 47,954 | 57,857 | 62,300 | 67,547 | 75,312 | 84,089 | 86,442 | 79,148 | 0 | 63,889 |
| 55 to 59 | 510 | 2,709 | 2,506 | 1,968 | 2,250 | 1,900 | 1,559 | 607 | 176 | 5 | 14,190 |
| | 9,934 | 47,624 | 56,620 | 60,905 | 64,686 | 69,777 | 77,920 | 87,553 | 88,089 | 80,485 | 60,922 |
| 60 to 64 | 256 | 1,773 | 1,943 | 1,426 | 1,691 | 1,284 | 810 | 399 | 241 | 67 | 9,890 |
| | 10,513 | 47,742 | 55,736 | 62,355 | 62,314 | 66,077 | 72,827 | 81,285 | 85,850 | 82,004 | 59,896 |
| 65 to 69 | 92 | 585 | 696 | 535 | 545 | 376 | 240 | 144 | 92 | 101 | 3,406 |
| | 8,383 | 40,667 | 51,502 | 59,710 | 65,102 | 65,286 | 72,033 | 74,837 | 83,507 | 92,902 | 57,989 |
| 70 & Up | 55 | 343 | 324 | 230 | 221 | 111 | 83 | 44 | 33 | 47 | 1,491 |
| | 7,330 | 28,930 | 38,526 | 44,693 | 55,553 | 65,322 | 61,126 | 86,296 | 72,284 | 85,889 | 45,546 |
| Total | 8,441 | 42,267 | 30,455 | 17,335 | 16,467 | 11,250 | 7,106 | 1,614 | 551 | 220 | 135,706 |
| | 9,944 | 45,145 | 56,542 | 63,236 | 67,809 | 73,406 | 80,427 | 84,460 | 85,252 | 87,803 | 55,464 |

 Table A-2: Number and Reported Compensation of Active Members Distributed

 by Age as of December 31, 2022

| | | Men | Women | | |
|-----|--------|--------------|--------|--------------|--|
| Age | Number | Compensation | Number | Compensation | |
| 15 | 1 | \$ 5,221 | 0 | \$ 0 | |
| 16 | 1 | 82 | 0 | 0 | |
| 17 | 1 | 17,643 | 0 | 0 | |
| 18 | 22 | 201,793 | 7 | 73,301 | |
| 19 | 209 | 3,185,511 | 58 | 863,513 | |
| 20 | 326 | 8,204,876 | 103 | 1,833,615 | |
| 21 | 515 | 13,678,784 | 219 | 5,308,973 | |
| 22 | 761 | 24,122,916 | 427 | 11,252,784 | |
| 23 | 1,107 | 38,647,321 | 663 | 18,585,453 | |
| 24 | 1,363 | 51,528,116 | 883 | 29,480,388 | |
| 25 | 1,459 | 59,874,262 | 948 | 33,398,980 | |
| 26 | 1,509 | 64,523,728 | 1,086 | 40,391,061 | |
| 27 | 1,741 | 78,936,306 | 1,131 | 44,645,731 | |
| 28 | 1,731 | 80,552,208 | 1,186 | 47,986,081 | |
| 29 | 1,797 | 84,468,897 | 1,350 | 56,030,397 | |
| 30 | 1,908 | 93,582,131 | 1,348 | 57,537,585 | |
| 31 | 1,923 | 96,305,550 | 1,344 | 59,553,355 | |
| 32 | 1,998 | 103,272,187 | 1,403 | 63,495,735 | |
| 33 | 1,991 | 103,553,963 | 1,411 | 64,694,066 | |
| 34 | 1,913 | 104,677,774 | 1,438 | 66,624,674 | |
| 35 | 1,949 | 107,866,435 | 1,342 | 66,962,636 | |
| 36 | 1,922 | 109,635,404 | 1,448 | 71,513,397 | |
| 37 | 1,950 | 114,904,650 | 1,475 | 73,118,800 | |
| 38 | 1,849 | 112,551,825 | 1,427 | 72,692,579 | |
| 39 | 1,856 | 112,017,801 | 1,425 | 72,987,505 | |
| 40 | 1,897 | 117,323,903 | 1,464 | 78,168,428 | |
| 41 | 1,936 | 122,257,574 | 1,546 | 82,511,325 | |
| 42 | 1,837 | 116,734,463 | 1,475 | 79,496,130 | |
| 43 | 1,743 | 111,063,256 | 1,529 | 84,714,909 | |
| 44 | 1,798 | 117,548,574 | 1,595 | 89,320,965 | |
| 45 | 1,780 | 117,776,390 | 1,615 | 91,574,831 | |
| 46 | 1,903 | 125,341,538 | 1,597 | 90,103,663 | |
| 47 | 1,794 | 121,079,072 | 1,527 | 86,160,009 | |
| 48 | 2,014 | 138,550,431 | 1,649 | 95,939,306 | |
| 49 | 1,937 | 135,053,307 | 1,727 | 100,244,669 | |
| 50 | 1,963 | 134,915,039 | 1,633 | 92,753,136 | |
| 51 | 2,100 | 146,823,868 | 1,787 | 104,017,723 | |
| 52 | 2,107 | 149,812,193 | 1,920 | 111,776,790 | |
| 53 | 1,853 | 127,326,925 | 1,797 | 104,434,117 | |
| 54 | 1,703 | 116,559,292 | 1,579 | 89,819,335 | |

 Table A-2: Number and Reported Compensation of Active Members Distributed

 by Age as of December 31, 2022 (continued)

| | | Men | Women | | |
|-------|--------|------------------|--------|------------------|--|
| Age | Number | Compensation | Number | Compensation | |
| 55 | 1,616 | \$ 109,453,581 | 1,541 | \$ 90,699,706 | |
| 56 | 1,344 | 88,530,824 | 1,447 | 80,600,262 | |
| 57 | 1,308 | 84,042,898 | 1,454 | 81,405,051 | |
| 58 | 1,285 | 82,582,870 | 1,454 | 81,391,303 | |
| 59 | 1,275 | 83,592,394 | 1,466 | 82,177,356 | |
| 60 | 1,212 | 77,107,282 | 1,310 | 73,854,877 | |
| 61 | 1,085 | 68,869,689 | 1,198 | 67,104,711 | |
| 62 | 945 | 60,854,258 | 1,099 | 61,123,784 | |
| 63 | 755 | 49,112,577 | 876 | 48,039,803 | |
| 64 | 648 | 43,740,377 | 762 | 42,566,474 | |
| 65 | 532 | 34,959,166 | 619 | 33,630,088 | |
| 66 | 413 | 26,137,716 | 406 | 22,821,866 | |
| 67 | 302 | 18,805,956 | 276 | 14,393,658 | |
| 68 | 231 | 13,447,058 | 254 | 13,021,228 | |
| 69 | 200 | 10,989,732 | 173 | 9,303,499 | |
| 70 | 170 | 9,389,366 | 130 | 6,335,204 | |
| 71 | 140 | 7,621,896 | 97 | 4,562,617 | |
| 72 | 125 | 6,547,248 | 86 | 4,080,589 | |
| 73 | 94 | 3,950,407 | 77 | 3,446,225 | |
| 74 | 84 | 3,523,249 | 49 | 1,978,535 | |
| 75 | 49 | 2,033,269 | 39 | 1,560,108 | |
| 76 | 51 | 2,158,709 | 41 | 1,576,896 | |
| 77 | 35 | 1,377,154 | 17 | 681,053 | |
| 78 | 35 | 1,110,218 | 15 | 600,885 | |
| 79 | 27 | 931,435 | 16 | 611,806 | |
| 80 | 28 | 1,112,249 | 11 | 515,447 | |
| 81 | 16 | 392,625 | 3 | 83,341 | |
| 82 | 16 | 565,036 | 3 | 139,531 | |
| 83 | 8 | 257,197 | 2 | 58,421 | |
| 84 | 4 | 85,296 | 2 | 42,490 | |
| 85 | 5 | 134,518 | 5 | 130,783 | |
| 86 | 3 | 43,177 | 1 | 65,454 | |
| 87 | 2 | 83,508 | 1 | 12,998 | |
| 88 | 0 | 0 | 2 | 10,166 | |
| 91 | 0 | 0 | 1 | 48,584 | |
| 95 | 1 | 51,028 | 0 | 0 | |
| Total | 74,211 | \$ 4,358,075,172 | 61,495 | \$ 3,168,740,744 | |

Table A-3: Number and Reported Compensation of Active Members Distributedby Service as of December 31, 2022

| | | Men | | Women |
|---------|--------|---------------|--------|---------------|
| Service | Number | Compensation | Number | Compensation |
| 0 | 4,055 | \$ 40,770,617 | 4,386 | \$ 43,166,054 |
| 1 | 7,639 | 288,095,148 | 8,399 | 312,873,315 |
| 2 | 4,792 | 232,004,775 | 4,583 | 213,502,916 |
| 3 | 4,601 | 235,136,249 | 3,848 | 186,950,407 |
| 4 | 4,524 | 242,809,264 | 3,881 | 196,768,888 |
| 5 | 4,177 | 232,261,147 | 3,404 | 177,903,433 |
| 6 | 3,599 | 205,133,967 | 3,147 | 167,709,532 |
| 7 | 3,254 | 191,726,985 | 2,717 | 149,387,980 |
| 8 | 3,016 | 182,711,189 | 2,395 | 133,438,701 |
| 9 | 2,667 | 162,917,329 | 2,079 | 118,795,766 |
| 10 | 2,419 | 153,880,150 | 2,084 | 121,991,702 |
| 11 | 2,136 | 139,744,569 | 1,538 | 90,338,082 |
| 12 | 1,843 | 119,680,741 | 1,300 | 78,411,844 |
| 13 | 1,710 | 115,993,764 | 1,170 | 70,955,154 |
| 14 | 1,877 | 127,880,832 | 1,258 | 77,327,042 |
| 15 | 2,265 | 158,099,914 | 1,652 | 102,163,065 |
| 16 | 2,037 | 140,932,674 | 1,424 | 88,675,400 |
| 17 | 1,926 | 136,532,922 | 1,338 | 85,641,944 |
| 18 | 1,847 | 132,708,307 | 1,233 | 80,708,549 |
| 19 | 1,621 | 117,993,406 | 1,124 | 73,149,009 |
| 20 | 1,354 | 101,347,302 | 895 | 58,992,570 |
| 21 | 1,225 | 93,180,083 | 932 | 63,078,330 |
| 22 | 1,364 | 105,079,867 | 933 | 61,605,126 |
| 23 | 1,347 | 107,714,620 | 979 | 66,005,310 |
| 24 | 1,336 | 107,666,247 | 885 | 61,149,909 |
| 25 | 1,116 | 91,717,854 | 732 | 52,047,512 |
| 26 | 1,017 | 86,271,389 | 565 | 41,154,992 |
| 27 | 873 | 76,292,440 | 521 | 36,421,316 |
| 28 | 793 | 69,066,704 | 520 | 39,220,795 |
| 29 | 546 | 47,761,425 | 423 | 31,560,240 |
| 30 | 256 | 23,497,865 | 234 | 16,771,350 |
| 31 | 173 | 16,097,111 | 183 | 13,312,438 |
| 32 | 149 | 13,996,695 | 142 | 11,146,430 |
| 33 | 138 | 12,981,552 | 111 | 8,782,750 |
| 34 | 121 | 11,313,496 | 107 | 8,419,070 |
| 35 | 91 | 8,553,266 | 86 | 7,185,105 |
| 36 | 69 | 6,017,900 | 54 | 3,911,593 |
| 37 | 51 | 4,537,548 | 49 | 3,786,032 |
| 38 | 52 | 4,935,404 | 42 | 3,653,739 |
| 39 | 25 | 1,943,729 | 32 | 2,449,557 |

 Table A-3: Number and Reported Compensation of Active Members Distributed

 by Service as of December 31, 2022 (continued)

| | Men | | | | Wor | nen |
|---------|--------|----|---------------|--------|------|---------------|
| Service | Number | Co | ompensation | Number | Co | mpensation |
| 40 | 26 | \$ | 2,465,578 | 18 | \$ | 1,347,698 |
| 41 | 20 | | 1,932,178 | 15 | | 1,099,073 |
| 42 | 19 | | 1,879,076 | 20 | | 1,402,525 |
| 43 | 9 | | 851,385 | 8 | | 932,452 |
| 44 | 9 | | 925,705 | 11 | | 712,184 |
| 45 | 9 | | 712,251 | 10 | | 628,940 |
| 46 | 4 | | 467,434 | 6 | | 410,090 |
| 47 | 7 | | 1,050,687 | 5 | | 313,365 |
| 48 | 1 | | 46,623 | 3 | | 348,080 |
| 49 | 0 | | 0 | 4 | | 263,759 |
| 50 | 0 | | 0 | 3 | | 156,886 |
| 51 | 1 | | 74,070 | 1 | | 57,628 |
| 52 | 1 | | 155,548 | 2 | | 237,508 |
| 53 | 2 | | 260,222 | 1 | | 97,590 |
| 54 | 1 | | 161,731 | 0 | | 0 |
| 55 | 1 | | 106,238 | 0 | | 0 |
| 56 | 0 | | 0 | 1 | | 103,484 |
| 57 | 0 | | 0 | 1 | | 51,081 |
| 68 | 0 | | 0 | 1 | | 65,454 |
| Total | 74,211 | \$ | 4,358,075,172 | 61,495 | \$ 3 | 3,168,740,744 |

Table A-4: Number and Accumulated Contributions of Terminated MembersDistributed by Age as of December 31, 2022

| | | Men | Women | | | |
|-----|--------|---------------|--------|---------------|--|--|
| Age | Number | Contributions | Number | Contributions | | |
| 18 | 3 | \$ 961 | 1 | \$ 245 | | |
| 19 | 31 | 23,670 | 11 | 7,419 | | |
| 20 | 86 | 74,676 | 33 | 24,222 | | |
| 21 | 141 | 184,032 | 80 | 85,670 | | |
| 22 | 240 | 433,316 | 124 | 179,837 | | |
| 23 | 430 | 864,475 | 207 | 310,534 | | |
| 24 | 606 | 1,479,703 | 416 | 796,220 | | |
| 25 | 688 | 2,030,926 | 532 | 1,331,950 | | |
| 26 | 868 | 3,011,820 | 685 | 2,014,669 | | |
| 27 | 1,003 | 3,784,941 | 793 | 2,771,037 | | |
| 28 | 1,092 | 4,540,928 | 893 | 3,713,407 | | |
| 29 | 1,213 | 5,681,635 | 1,013 | 4,693,816 | | |
| 30 | 1,266 | 6,689,441 | 1,113 | 5,687,202 | | |
| 31 | 1,358 | 7,858,468 | 1,219 | 6,978,619 | | |
| 32 | 1,441 | 9,864,519 | 1,345 | 8,152,806 | | |
| 33 | 1,497 | 10,981,951 | 1,286 | 8,382,113 | | |
| 34 | 1,414 | 11,911,459 | 1,346 | 9,028,568 | | |
| 35 | 1,371 | 11,485,655 | 1,378 | 10,452,056 | | |
| 36 | 1,490 | 14,595,451 | 1,397 | 11,009,403 | | |
| 37 | 1,434 | 15,389,148 | 1,402 | 12,596,081 | | |
| 38 | 1,490 | 16,051,814 | 1,522 | 14,084,009 | | |
| 39 | 1,327 | 15,531,312 | 1,453 | 15,163,738 | | |
| 40 | 1,437 | 18,664,288 | 1,478 | 16,096,188 | | |
| 41 | 1,358 | 18,245,191 | 1,439 | 16,161,877 | | |
| 42 | 1,267 | 17,647,044 | 1,508 | 17,876,755 | | |
| 43 | 1,303 | 19,150,839 | 1,591 | 18,915,394 | | |
| 44 | 1,221 | 18,562,044 | 1,594 | 20,801,883 | | |
| 45 | 1,173 | 18,814,146 | 1,496 | 20,366,359 | | |
| 46 | 1,217 | 19,995,989 | 1,433 | 20,878,099 | | |
| 47 | 1,136 | 19,914,348 | 1,407 | 20,827,441 | | |
| 48 | 1,174 | 21,335,111 | 1,545 | 22,631,965 | | |
| 49 | 1,181 | 22,994,759 | 1,462 | 23,261,794 | | |
| 50 | 1,206 | 23,632,058 | 1,437 | 24,073,948 | | |
| 51 | 1,216 | 23,196,628 | 1,399 | 23,131,861 | | |
| 52 | 1,306 | 24,114,333 | 1,593 | 26,515,195 | | |
| 53 | 1,201 | 22,986,806 | 1,498 | 24,685,463 | | |
| 54 | 1,097 | 21,179,932 | 1,352 | 24,146,389 | | |
| 55 | 992 | 19,006,465 | 1,208 | 21,384,278 | | |
| 56 | 974 | 17,420,969 | 1,147 | 20,587,354 | | |
| 57 | 907 | 15,178,157 | 1,160 | 21,949,733 | | |

 Table A-4: Number and Accumulated Contributions of Terminated Members

 Distributed by Age as of December 31, 2022 (continued)

| | | Me | n | Women | | |
|-------|--------|----|--------------|--------|----|--------------|
| Age | Number | C | ontributions | Number | C | ontributions |
| 58 | 957 | \$ | 19,066,342 | 1,132 | \$ | 21,690,813 |
| 59 | 866 | | 17,454,819 | 1,157 | | 21,887,439 |
| 60 | 765 | | 14,113,683 | 1,093 | | 21,879,814 |
| 61 | 707 | | 14,379,942 | 881 | | 17,688,736 |
| 62 | 591 | | 11,584,844 | 774 | | 14,829,189 |
| 63 | 506 | | 9,544,092 | 697 | | 13,417,961 |
| 64 | 405 | | 7,632,833 | 668 | | 13,677,391 |
| 65 | 388 | | 7,100,221 | 576 | | 10,530,973 |
| 66 | 314 | | 4,832,205 | 369 | | 6,772,791 |
| 67 | 279 | | 3,876,085 | 348 | | 5,216,881 |
| 68 | 251 | | 3,261,918 | 298 | | 4,557,431 |
| 69 | 210 | | 2,739,072 | 257 | | 3,765,556 |
| 70 | 156 | | 1,828,904 | 219 | | 3,690,815 |
| 71 | 152 | | 1,860,009 | 167 | | 1,971,939 |
| 72 | 99 | | 768,444 | 147 | | 2,285,400 |
| 73 | 79 | | 809,196 | 87 | | 964,678 |
| 74 | 44 | | 327,405 | 39 | | 475,751 |
| 75 | 40 | | 135,178 | 27 | | 459,040 |
| 76 | 37 | | 334,921 | 17 | | 200,940 |
| 77 | 28 | | 244,891 | 16 | | 116,914 |
| 78 | 9 | | 52,290 | 4 | | 39,071 |
| 79 | 9 | | 92,463 | 8 | | 106,347 |
| 80 | 13 | | 195,530 | 9 | | 124,973 |
| 81 | 11 | | 32,287 | 3 | | 7,054 |
| 82 | 6 | | 14,928 | 6 | | 67,721 |
| 83 | 8 | | 102,068 | 1 | | 1,856 |
| 84 | 3 | | 5,703 | 2 | | 29,223 |
| 85 | 1 | | 10,492 | 3 | | 11,909 |
| 86 | 2 | | 9,673 | 0 | | 0 |
| 87 | 8 | | 75,413 | 2 | | 23,213 |
| 88 | 2 | | 3,423 | 3 | | 13,798 |
| 89 | 2 | | 7,422 | 0 | | 0 |
| 90 | 3 | | 5,438 | 1 | | 50,361 |
| 92 | 0 | | 0 | 0 | | 0 |
| 95 | 0 | | 0 | 0 | | 0 |
| 96 | 0 | | 0 | 0 | | 0 |
| 100+ | 2 | | 613 | 0 | | 0 |
| Total | 48,811 | \$ | 627,020,511 | 53,007 | \$ | 668,311,575 |

Table A-5: Number and Annual Retirement Allowances of Retired Members (Healthy at Retirement) and Survivors of Deceased Members Distributed by Age as of December 31, 2022

| | | Men | | Women |
|-----|--------|---------------|--------|---------------|
| Age | Number | Allowances | Number | Allow ances |
| <20 | 5 | \$ 67,089 | 5 | \$ 56,549 |
| 21 | 0 | ¢ 01,000 0 | 0 | ¢ 00,010 0 |
| 22 | 0 | 0 | 2 | 33,495 |
| 23 | 6 | 101,405 | - 1 | 12,374 |
| 24 | 3 | 50,682 | 0 | 0 |
| 25 | 6 | 49,595 | 3 | 85,061 |
| 27 | 0 | 0 | 0 | 0 |
| 28 | 2 | 12,656 | 3 | 45,796 |
| 29 | 3 | 53,850 | 1 | 5,412 |
| 30 | 5 | 73,011 | 6 | 54,559 |
| 31 | 5 | 68,290 | 5 | 71,371 |
| 32 | 2 | 14,522 | 9 | 114,976 |
| 33 | 7 | 70,921 | 5 | 40,665 |
| 34 | 1 | 26,565 | 11 | 128,182 |
| 35 | 9 | 73,640 | 11 | 81,216 |
| 36 | 8 | 77,395 | 6 | 84,748 |
| 37 | 7 | 59,103 | 5 | 65,434 |
| 38 | 11 | 128,174 | 7 | 55,660 |
| 39 | 9 | 132,864 | 7 | 85,974 |
| 40 | 9 | 149,474 | 15 | 138,007 |
| 41 | 10 | 193,454 | 17 | 213,287 |
| 42 | 13 | 132,465 | 13 | 237,272 |
| 43 | 7 | 56,329 | 15 | 147,082 |
| 44 | 8 | 86,628 | 22 | 286,330 |
| 45 | 8 | 73,046 | 14 | 189,933 |
| 46 | 11 | 143,736 | 13 | 165,139 |
| 47 | 14 | 173,057 | 22 | 335,930 |
| 48 | 23 | 694,644 | 30 | 333,088 |
| 49 | 59 | 2,050,390 | 27 | 325,376 |
| 50 | 98 | 3,567,792 | 44 | 795,510 |
| 51 | 268 | 9,654,939 | 94 | 2,216,314 |
| 52 | 356 | 12,486,437 | 163 | 4,195,382 |
| 53 | 474 | 17,962,320 | 195 | 4,988,850 |
| 54 | 514 | 19,334,100 | 211 | 5,721,540 |
| 55 | 634 | 22,882,730 | 270 | 7,750,788 |
| 56 | 797 | 27,946,529 | 366 | 10,208,986 |
| 57 | 800 | 27,261,562 | 385 | 10,628,225 |
| 58 | 862 | 29,114,926 | 469 | 12,846,082 |
| 59 | 952 | 32,179,883 | 513 | 14,214,224 |
| 60 | 914 | 29,334,620 | 618 | 16,568,635 |

Table A-5: Number and Annual Retirement Allowances of Retired Members (Healthy at Retirement) and Survivors of Deceased Members Distributed by Age as of December 31, 2022 (continued)

| | | Me | n | | Won | nen |
|-------|--------|----|-------------|--------|-----|-------------|
| Age | Number | A | llowances | Number | ļ | Allowances |
| 61 | 1,083 | \$ | 33,453,304 | 861 | \$ | 23,051,736 |
| 62 | 1,146 | | 33,853,751 | 1,036 | | 24,421,544 |
| 63 | 1,178 | | 32,825,280 | 1,202 | | 26,020,435 |
| 64 | 1,250 | | 33,252,384 | 1,244 | | 25,653,990 |
| 65 | 1,288 | | 33,049,761 | 1,464 | | 29,521,322 |
| 66 | 1,489 | | 37,159,109 | 1,606 | | 31,474,614 |
| 67 | 1,528 | | 36,982,432 | 1,718 | | 31,099,216 |
| 68 | 1,546 | | 37,155,656 | 1,783 | | 32,076,769 |
| 69 | 1,517 | | 35,836,340 | 1,736 | | 30,894,838 |
| 70 | 1,532 | | 35,313,460 | 1,781 | | 31,401,623 |
| 71 | 1,537 | | 34,799,215 | 1,800 | | 28,764,554 |
| 72 | 1,524 | | 32,966,423 | 1,696 | | 28,115,763 |
| 73 | 1,347 | | 29,246,987 | 1,646 | | 26,979,900 |
| 74 | 1,331 | | 28,629,960 | 1,597 | | 25,213,900 |
| 75 | 1,284 | | 25,530,074 | 1,585 | | 24,363,066 |
| 76 | 1,299 | | 26,197,878 | 1,604 | | 24,597,232 |
| 77 | 819 | | 16,170,262 | 1,157 | | 17,022,756 |
| 78 | 818 | | 16,158,713 | 1,070 | | 16,111,204 |
| 79 | 669 | | 12,453,744 | 941 | | 13,237,938 |
| 80 | 707 | | 13,535,009 | 981 | | 13,731,345 |
| 81 | 521 | | 9,089,427 | 812 | | 11,048,479 |
| 82 | 441 | | 8,172,139 | 691 | | 8,983,984 |
| 83 | 424 | | 7,303,443 | 646 | | 8,544,056 |
| 84 | 339 | | 5,693,332 | 610 | | 7,952,173 |
| 85 | 311 | | 5,519,367 | 533 | | 6,819,569 |
| 86 | 283 | | 4,892,851 | 490 | | 5,767,354 |
| 87 | 240 | | 4,329,751 | 424 | | 5,535,750 |
| 88 | 193 | | 3,179,451 | 370 | | 4,672,071 |
| 89 | 164 | | 2,342,170 | 300 | | 3,529,368 |
| 90 | 128 | | 2,147,047 | 293 | | 3,424,888 |
| 91 | 106 | | 1,568,672 | 230 | | 2,534,753 |
| 92 | 73 | | 982,074 | 211 | | 2,624,095 |
| 93 | 68 | | 787,707 | 155 | | 1,622,644 |
| 94 | 41 | | 566,315 | 129 | | 1,625,822 |
| 95 | 28 | | 422,804 | 108 | | 1,178,514 |
| 96 | 17 | | 218,515 | 72 | | 776,478 |
| 97 | 11 | | 149,793 | 44 | | 533,587 |
| 98 | 5 | | 91,298 | 29 | | 265,123 |
| 99 | 4 | | 59,133 | 26 | | 297,968 |
| 100+ | 13 | | 159,697 | 42 | | 369,244 |
| Total | 35,224 | \$ | 878,807,329 | 38,329 | \$ | 675,414,030 |

Table A-6: Number and Annual Retirement Allowances of Retired Members (Healthy at Retirement) and Survivors of Deceased Members Distributed by Annuity Type as of December 31, 2022

| | Men | | | Women | | |
|---|--------|----|-------------|--------|----|-------------|
| Annuity Type | Number | ļ | Allowances | Number | ļ | Allowances |
| 0: Maximum | 10,713 | \$ | 241,428,245 | 18,850 | \$ | 324,645,857 |
| 1: Option 1: 10-yr guaranteed | 127 | | 2,831,186 | 163 | | 2,028,344 |
| 2: Option 2: 100% joint and survivor | 8,751 | | 219,530,517 | 2,661 | | 43,475,063 |
| 3: Option 3: 50% joint and survivor | 1,995 | | 54,183,824 | 1,199 | | 23,831,669 |
| 4: Option 4: Social security leveling | 2,566 | | 63,526,080 | 3,349 | | 67,244,358 |
| 5: Option 5-2: 100% joint and survivor | 22 | | 462,896 | 4 | | 30,203 |
| 6: Option 5-3: 50% joint and survivor | 7 | | 215,494 | 8 | | 160,897 |
| 7: Option 6-2: 100% joint and surv w / pop-up | 7,456 | | 213,008,833 | 3,296 | | 69,586,185 |
| 8: Option 6-3: 50% joint and surv w / pop-up | 2,300 | | 69,087,671 | 2,069 | | 49,939,427 |
| 9: Special | 3 | | 92,264 | 0 | | 0 |
| 3: Survivor | 1,284 | | 14,440,319 | 6,730 | | 94,472,027 |
| Total | 35,224 | \$ | 878,807,329 | 38,329 | \$ | 675,414,030 |

Table A-7: Number and Annual Retirement Allowances of Retired Members(Disabled at Retirement) Distributed by Age of December 31, 2022

| | Men | | | Women | | | |
|-----|--------|------------|--------|------------|--|--|--|
| Age | Number | Allowances | Number | Allowances | | | |
| 27 | 1 | \$ 19,740 | 0 | \$ 0 | | | |
| 29 | 2 | 45,863 | 0 | 0 | | | |
| 30 | 1 | 23,629 | 0 | 0 | | | |
| 31 | 3 | 80,521 | 3 | 67,689 | | | |
| 32 | 4 | 109,254 | 1 | 18,267 | | | |
| 33 | 8 | 173,066 | 1 | 17,982 | | | |
| 34 | 6 | 158,926 | 4 | 105,859 | | | |
| 35 | 12 | 328,315 | 1 | 22,469 | | | |
| 36 | 6 | 135,936 | 5 | 104,150 | | | |
| 37 | 14 | 400,193 | 5 | 117,503 | | | |
| 38 | 20 | 558,515 | 2 | 61,133 | | | |
| 39 | 16 | 389,876 | 7 | 147,079 | | | |
| 40 | 22 | 501,736 | 10 | 234,469 | | | |
| 41 | 27 | 597,895 | 6 | 146,943 | | | |
| 42 | 37 | 930,845 | 13 | 344,289 | | | |
| 43 | 44 | 1,053,593 | 9 | 209,310 | | | |
| 44 | 50 | 1,169,042 | 17 | 398,521 | | | |
| 45 | 38 | 932,709 | 21 | 427,368 | | | |
| 46 | 57 | 1,429,207 | 26 | 510,882 | | | |
| 47 | 78 | 1,994,856 | 24 | 495,687 | | | |
| 48 | 67 | 1,657,188 | 25 | 507,977 | | | |
| 49 | 82 | 1,956,295 | 32 | 712,745 | | | |
| 50 | 85 | 2,159,491 | 41 | 883,588 | | | |
| 51 | 127 | 2,981,282 | 57 | 1,397,025 | | | |
| 52 | 143 | 3,406,329 | 64 | 1,321,747 | | | |
| 53 | 132 | 3,011,971 | 76 | 1,520,156 | | | |
| 54 | 140 | 3,274,857 | 75 | 1,519,353 | | | |
| 55 | 116 | 2,527,332 | 83 | 1,908,564 | | | |
| 56 | 162 | 3,577,997 | 89 | 1,871,539 | | | |
| 57 | 160 | 3,404,979 | 101 | 1,934,314 | | | |
| 58 | 155 | 3,359,943 | 95 | 1,929,222 | | | |
| 59 | 195 | 4,082,879 | 130 | 2,672,395 | | | |
| 60 | 193 | 3,908,600 | 106 | 1,953,111 | | | |
| 61 | 196 | 3,657,033 | 145 | 2,704,467 | | | |
| 62 | 179 | 3,280,925 | 138 | 2,473,826 | | | |
| 63 | 177 | 3,219,544 | 153 | 2,816,404 | | | |
| 64 | 155 | 2,910,935 | 165 | 2,712,568 | | | |
| 65 | 164 | 2,859,177 | 140 | 2,362,797 | | | |

Table A-7: Number and Annual Retirement Allowances of Retired Members (Disabled at Retirement) Distributed by Age of December 31, 2022 (continued)

| | Men | | | | Wor | nen |
|-------|--------|----|-------------|--------|-----|------------|
| Age | Number | ļ | Allowances | Number | A | llowances |
| 66 | 185 | \$ | 3,417,533 | 146 | \$ | 2,318,870 |
| 67 | 175 | | 3,257,762 | 155 | | 2,512,996 |
| 68 | 186 | | 3,531,635 | 126 | | 2,118,827 |
| 69 | 168 | | 3,489,183 | 131 | | 2,123,715 |
| 70 | 155 | | 3,214,894 | 108 | | 1,699,806 |
| 71 | 185 | | 4,237,727 | 129 | | 2,064,773 |
| 72 | 157 | | 3,341,053 | 87 | | 1,455,137 |
| 73 | 153 | | 3,499,271 | 96 | | 1,425,669 |
| 74 | 148 | | 3,021,099 | 95 | | 1,470,334 |
| 75 | 134 | | 2,861,864 | 87 | | 1,220,771 |
| 76 | 123 | | 2,591,025 | 84 | | 1,232,602 |
| 77 | 91 | | 1,898,845 | 70 | | 964,013 |
| 78 | 96 | | 1,934,625 | 62 | | 827,472 |
| 79 | 61 | | 1,225,744 | 64 | | 800,473 |
| 80 | 62 | | 1,266,135 | 54 | | 730,737 |
| 81 | 40 | | 831,021 | 27 | | 290,708 |
| 82 | 45 | | 801,995 | 37 | | 536,608 |
| 83 | 22 | | 369,523 | 32 | | 405,165 |
| 84 | 23 | | 441,594 | 24 | | 299,750 |
| 85 | 17 | | 280,426 | 15 | | 191,564 |
| 86 | 17 | | 365,738 | 15 | | 168,015 |
| 87 | 15 | | 264,572 | 14 | | 129,854 |
| 88 | 7 | | 108,089 | 1 | | 22,059 |
| 89 | 10 | | 142,114 | 7 | | 56,215 |
| 90 | 4 | | 58,973 | 1 | | 3,072 |
| 91 | 5 | | 63,739 | 4 | | 23,709 |
| 92 | 2 | | 24,643 | 4 | | 45,197 |
| 93 | 3 | | 48,231 | 3 | | 27,224 |
| 95 | 1 | | 23,072 | 1 | | 5,376 |
| Total | 5,364 | \$ | 112,882,599 | 3,549 | \$ | 61,802,109 |

Table A-8: Number and Annual Retirement Allowances of Retired Members (Disabled at Retirement) Distributed by Annuity Type of December 31, 2022

| | Men | | | | Women | | |
|---|--------|----|-------------|--------|-------|------------|--|
| Annuity Type | Number | Α | llowances | Number | A | llowances | |
| 0: Maximum | 3,622 | \$ | 80,112,718 | 3,013 | \$ | 53,042,573 | |
| 1: Option 1: 10-yr guaranteed | 80 | | 1,713,991 | 40 | | 634,065 | |
| 2: Option 2: 100% joint and survivor | 460 | | 8,053,238 | 105 | | 1,568,413 | |
| 3: Option 3: 50% joint and survivor | 337 | | 6,078,951 | 85 | | 1,357,090 | |
| 4: Option 4: Social security leveling | 7 | | 179,430 | 7 | | 127,932 | |
| 5: Option 5-2: 100% joint and surv. | 3 | | 44,814 | 0 | | 0 | |
| 6: Option 5-3: 50% joint and surv. | 6 | | 66,889 | 1 | | 7,003 | |
| 7: Option 6-2: 100% joint and surv w / pop-up | 425 | | 8,115,660 | 124 | | 2,058,788 | |
| 8: Option 6-3: 50% joint and surv w / pop-up | 419 | | 8,392,225 | 174 | | 3,006,245 | |
| 9: Special | 5 | | 124,682 | 0 | | 0 | |
| Total | 5,364 | \$ | 112,882,598 | 3,549 | \$ | 61,802,109 | |

Table A-9: Number and Annual Retirement Allowances of Retired Membersand Survivors of Deceased Members Distributed by Amount of AnnualRetirement Allowance as of December 31, 2022

| Amount of Annual Retirement Allowance | Number of Retired Members and Survivors * | S | oum of Annual Retirement Allowance |
|---|---|----|--|
| \$0 - \$4,999 | 9,917 | \$ | 30,976,639 |
| \$5,000 - \$9,999 | 14,001 | | 104,765,154 |
| \$10,000 - \$14,999 | 12,714 | | 158,349,491 |
| \$15,000 - \$19,999 | 10,736 | | 187,197,535 |
| \$20,000 - \$24,999 | 9,101 | | 204,248,949 |
| \$25,000 - \$29,999 | 7,399 | | 202,938,059 |
| \$30,000 - \$34,999 | 5,772 | | 186,983,500 |
| \$35,000 - \$39,999 | 4,349 | | 162,631,244 |
| \$40,000 - \$44,999 | 2,999 | | 126,970,667 |
| \$45,000 - \$49,999 | 2,059 | | 97,475,225 |
| \$50,000 & over | 4,156 | | 266,369,602 |
| Total | 83,203 | \$ | 1,728,906,065 |

* Includes 737 members with a separate DC transfer amount payable.

The following summary presents the main benefit and contribution provisions of the system, as interpreted in preparing the actuarial valuation. Items in parentheses in the text are the provisions applicable only to law enforcement officers.

Average final compensation

The average annual compensation during the four consecutive years of membership service producing the highest such average.

Membership service

Service represented by regular contributions.

Prior service

Service prior to the date of participation of the employer for which credit is allowed.

Creditable service

The sum of prior service plus membership service and may also include certain special purchased service.

Benefits

Unreduced Retirement Allowance

Condition for Allowance

An unreduced retirement allowance is payable to any member who retires from service after attaining age 65 (55), or after age 60 and completion of 25 years of creditable service, or after completion of 30 years of creditable service.

Amount of Allowance

1.85% of average final compensation multiplied by the number of years of creditable service.

Reduced Retirement Allowance

Condition for Allowance

A reduced retirement allowance is payable to any member who retires from service after attaining age 60 (50) and completed 5 (15) years of creditable service (or in the case of a firefighter or rescue squad worker, after attaining age 55 and five years of creditable service), but prior to becoming eligible for the unreduced retirement allowance.

Amount of Allowance

The member's reduced retirement allowance is equal to 1.85% of average final compensation multiplied by the number of years of creditable service at date of retirement reduced by 1/4 of 1% for each month by which the member's age at retirement is less than age 65 (55).

If a firefighter has not attained age 60 nor completed 30 or more years of service at the line of retirement, his or her allowance is the actuarial equivalent of the allowance payable at age 60.

OR

Condition for Allowance

A reduced retirement allowance is payable to any member who retires from service after age 50 and completion of 20 (15) years of creditable service but prior to becoming eligible for a reduced or unreduced retirement allowance.

Amount of Allowance

The member's reduced retirement allowance is equal to 1.85% of average final compensation multiplied by the number of years of creditable service at date of retirement reduced by the lesser of:

- (i) 5/12 (1/3) of 1% for each month by which his or her age is less than 60 (55), plus, if the member is not a law enforcement officer, 1/4 of 1% for each month by which his or her age is less than 65.
- (ii) 5% times the difference between 30 years and his or her creditable service at retirement.

OR

Condition for Allowance

A reduced retirement allowance is payable to any law enforcement officer who retires from service at any age with 25 years of service (15 years as an officer), but prior to becoming eligible for a reduced or unreduced retirement allowance.

Amount of Allowance

The member's reduced retirement allowance is equal to 1.85% of average final compensation multiplied by the number of years of creditable service at date of retirement reduced by the lesser of:

- (i) 1/3 of 1% for each month by which his or her age is less than 55,
- (ii) 5% times the difference between 30 years and creditable service at retirement plus 4% times the difference between age 50 and the member's age at retirement.

Disability Retirement Allowance

Condition for Allowance

A disability retirement allowance may be granted to a member who becomes totally and permanently incapacitated for duty before becoming eligible for an unreduced retirement allowance, and who had five or more years of creditable service. A law enforcement officer, firefighter or rescue squad worker who becomes totally and permanently disabled as the natural and proximate result of an accident occurring in the actual performance of duty may also be retired on a disability retirement allowance.

Amount of Allowance

On retirement for disability a member receives a service retirement allowance if he or she has attained age 65 (55) or upon attaining age 60 and completion of 25 years of creditable service or completion of 30 years of creditable service; otherwise the allowance is equal to the retirement allowance calculated on the basis of average final compensation at time of disability retirement and service projected to the earliest age at which the member would have qualified for an unreduced retirement allowance except that any member who had five years of creditable service on or before July 1, 1982 shall have his or her service projected to age 65.

Deferred and Early Retirement Allowance

Any member who separates from service after completing five or more years of membership service prior to becoming eligible for an unreduced or reduced retirement allowance and who leaves his or her total accumulated contributions in the system may receive a deferred retirement allowance, beginning at age 60 (55), computed in the same way as a reduced retirement allowance, or, if the member has 20 (15) or more years of service, at age 50 computed in the same way as a reduced service retirement allowance, on the basis of creditable service and compensation to the date of separation.

Return of Contributions

Upon the withdrawal of a member without a retirement allowance and upon request, the member's accumulated contributions are returned to him or her, together with accumulated regular interest.

Upon the death of a member before retirement, his or her accumulated contributions, together with the full accumulated regular interest thereon, are paid to the estate or to person(s) designated by the member provided no survivor's alternate benefit is payable.

The current interest rate on member contributions is 4%.

Survivor's Alternate Benefit

Upon the death of a member in service who has attained age 60 (55) and completed five years of creditable service, or completed 20 years of creditable service (or attained age 50 and completed 15 years of creditable service), the designated beneficiary may elect to receive a benefit equal to that which would have been payable under the provisions of Option 2 had the member retired on the first day of the month following his or her death and elected such option, in lieu of the member's accumulated contributions, provided the member had not instructed the Board of Trustees in writing that he or she did not wish the alternate benefit to apply. Law enforcement officers, firefighters and rescue squad workers are eligible for this benefit at any age after 15 years of creditable service if death occurs in the line of duty.

Death After Retirement

Upon the death of a beneficiary who did not retire under an effective election of Options 2, 3, 5, or 6, an amount equal to the excess, if any, of his or her accumulated contributions at retirement over the retirement allowance payments received is paid to a designated person or to the beneficiary's estate.

Upon the death of the survivor of a beneficiary who retired under an effective election of Options 2, 3, 5, or 6, an amount equal to the excess, if any, of the beneficiary's accumulated contributions at retirement over the total retirement allowance payments received is paid to such other person designated by the beneficiary or to the beneficiary's estate.

Upon the death of a beneficiary, a benefit may be provided by the Retiree's Contributory Death Benefit Plan.

Other Death Benefits

Upon the death of a member in service, other benefits may be provided by the Death Benefit Plan or Separate Insurance Benefit Plan for Law Enforcement Officers.

Optional Arrangements at Retirement

In lieu of the full retirement allowances any member may, until the first payment of his or her allowance becomes normally due, elect to receive a reduced retirement allowance equal in value to the full allowance with the provision that:

- Option 1 A member retiring prior to July 1, 1993, may elect that at his or her death within 10 years from his or her retirement date, an amount equal to his or her accumulated contributions at retirement, less 1/120 for each month he or she has received a retirement allowance, is paid to his or her estate, or to person(s) designated by the member, or
- Option 2 At the death of the member, his or her allowance shall be continued throughout the life of such other person as the member shall have designated at the time of his or her retirement, or
- Option 3 At the death of the member, one-half of his or her allowance shall be continued throughout the life of such other person as the member shall have designated at the time of his or her retirement.

- Option 4 A member may elect to receive a retirement allowance in such amount that, together with his or her Social Security benefit, he or she will receive approximately the same income per annum before and after the earliest age at which he or she becomes eligible to receive the Social Security benefit.
- Option 5 A member retiring prior to July 1, 1993 may elect to receive a reduced retirement allowance under the provisions of Option 2 or Option 3 in conjunction with the provisions of Option 1.
- Option 6 The member may elect Option 2 or 3 with the added provision that should the designated beneficiary predecease the member, the allowance which would have been payable to the member had he or she not elected the option will be payable thereafter.

Post-Retirement Increases in Allowance

Future increases in allowances may be granted by the Board of Trustees or the State in accordance with G.S. 128-27(k). The Board of Trustees may authorize one-time pension supplements in accordance with G.S. 128-27(k1).

Service Reciprocity

For the purpose of determining eligibility for a deferred, reduced or unreduced service retirement allowance, the membership and creditable service of a member shall include such prior service earned as a member of the Teachers' and State Employees' Retirement System (TSERS), the Consolidated Judicial Retirement System (CJRS), or the Legislative Retirement System (LRS). In addition, if the member's accumulated contributions and reserves are transferred from the prior System to this System, the creditable service earned as a member of the prior System may be included for purposes of determining the amount of benefits payable under this System.

Military Service

For periods of active duty in the United States military may be counted as creditable service if the member was an employee upon entering the military and returned to employment within two years of discharge or for a period of 10 additional years.

Service Purchases

Additional creditable service may include service that the member purchased to restore a period of service for which the member

- 1) received a refund of contributions,
- 2) had a leave of absence for educational purposes, extended illness or parental or maternity reasons,
- 3) had full-time temporary or part-time local or State government employment,
- 4) was in a probationary or waiting period with a unit of the LGERS,
- 5) had a leave of absence under Workers' Compensation,
- 6) performed service with a unit of local government not covered by LGERS,
- 7) performed service with the federal government or to another state not covered by any other retirement system,
- 8) performed service with a public community service entity funded entirely with federal funds,
- 9) performed service as a member of the General Assembly,
- 10) performed service as a member of a charter school not participating in the system,
- 11) was employed by The University of North Carolina and participated in the Optional Retirement Program but not eligible to receive any benefits from that program, or
- 12) performed service which was omitted by reason of error.

Unused Sick Leave

Unused sick leave counts as creditable service at retirement. Sick leave which was converted from unused vacation leave is also creditable. One month of credit is allowed for each 20 days of unused sick leave, plus an additional month for any part of 20 days left over.

Transfer of Defined Contribution Balances

(Special Retirement Allowances)

A member may make a one-time election to transfer any portion of their eligible accumulated contributions to this plan on or after retirement. Eligible accumulated contributions are those from the Supplemental Retirement Income Plan or Public Employee Deferred Compensation Plan, not including Roth after-tax contributions. A member who became a member of the Supplemental Retirement Income Plan prior to retirement and who remains a member of the Supplemental Retirement Income Plan may also make a one-time election to transfer eligible balances, not including any Roth after-tax contributions, from any of the following plans to the Supplemental Retirement Income Plan, subject to the applicable requirements of the Supplemental Retirement Income Plan to this Retirement System:

- (1) A plan participating in the North Carolina Public School Teachers' and Professional Educators' Investment Plan.
- (2) A plan described in section 403(b) of the Internal Revenue Code.
- (3) A plan described in section 457(b) of the Internal Revenue Code that is maintained by a state, political subdivision of a state, or any agency or instrumentality of a state or political subdivision of a state.
- (4) An individual retirement account or annuity described in Section 408(a) or 408(b) of the Internal Revenue Code that is eligible to be rolled over and would otherwise be includible in gross income.
- (5) A tax-qualified plan described in section 401(a) or 403(a) of the Internal Revenue Code.

The member may elect to convert the accumulated contributions to a life annuity with or without annual increases equal to the annual increase in the U.S. Consumer Price Index. Any ad-hoc COLA increases granted will not apply to benefits under this section. A member may elect Options 2, 3, or 6 under the Plan and may also elect either a guaranteed number of months of payments or a guarantee of total payments at least equal to the amount of contributions transferred to the Plan. In addition, any transfer may be paid in whole or in part with employer contributions paid directly to the Retirement System at the time of transfer.

Contributions

By Members

Members contribute 6% of compensation.

By Employers

Participating employers make annual contributions consisting of a normal contribution and an accrued liability contribution. The normal contribution covers the liability on account of current service and is determined by the actuary after each valuation.

The accrued liability contribution rate is determined based on eliminating the unfunded actuarial accrued liability over a 12-year period. Some employers have additional prior service contributions.

The minimum total employer contribution rate is 6.00%.

Changes Since Prior Valuation

None.
Appendix C: Actuarial Assumptions and Methods

Assumptions are based on the experience investigation prepared as of December 31, 2019 and adopted by the Board of Trustees on January 28, 2021 for use beginning with the December 31, 2020 annual actuarial valuation.

Interest Rate

6.50% per annum, compounded annually.

Price Inflation

2.50% per annum, compounded annually.

Real Wage Growth

0.75% per annum.

Payroll Growth

3.25% per annum.

Separations From Active Service

Representative values of the assumed rates of separation from active service are as follows:

Annual Rates of Withdrawal

| Up to five years of membership | | | | | | | | |
|--------------------------------|-------------------|--------|--|--------|--------------------------|--------|--|--|
| | General Employees | | Firefighters & Rescue Squad Workers | | Law Enforcement Officers | | | |
| Service | Male | Female | Male | Female | Male | Female | | |
| 0 | 0.1100 | 0.1100 | 0.0750 | 0.0750 | 0.0900 | 0.0900 | | |
| 1 | 0.1750 | 0.1750 | 0.1250 | 0.1250 | 0.0875 | 0.0875 | | |
| 2 | 0.1500 | 0.1550 | 0.1100 | 0.1100 | 0.0900 | 0.0900 | | |
| 3 | 0.1250 | 0.1300 | 0.1000 | 0.1000 | 0.0925 | 0.0925 | | |
| 4 | 0.1050 | 0.1150 | 0.1000 | 0.1000 | 0.0725 | 0.0725 | | |

After five years of membership

| | General Employees | | | s & Rescue Norkers | Law Enforcement Officers | | |
|---------|-------------------|--------|--------|-----------------------|--------------------------|--------|--|
| Service | Male | Female | Male | Female | Male | Female | |
| 25 | 0.1200 | 0.1750 | 0.0700 | 0.0700 | 0.1000 | 0.1000 | |
| 30 | 0.0750 | 0.1100 | 0.0700 | 0.0700 | 0.0600 | 0.0600 | |
| 35 | 0.0550 | 0.0900 | 0.0500 | 0.0500 | 0.0600 | 0.0600 | |
| 40 | 0.0550 | 0.0700 | 0.0400 | 0.0400 | 0.0400 | 0.0400 | |
| 45 | 0.0425 | 0.0500 | 0.0350 | 0.0350 | 0.0300 | 0.0300 | |
| 50 | 0.0425 | 0.0450 | 0.0500 | 0.0500 | 0.0450 | 0.0450 | |
| 55 | 0.0425 | 0.0450 | 0.0500 | 0.0500 | 0.0450 | 0.0450 | |
| 60 | 0.0425 | 0.0450 | 0.0500 | 0.0500 | | | |

Annual Rates of Mortality for Employees

(Base rates using Pub-2010 Amount weighted)

| | General Employees | | Firefighters Squad W | | Law Enforcement Officers | | |
|-----|-------------------|---------|-------------------------|---------|--------------------------|---------|--|
| Age | Male | Female | Male | Female | Male | Female | |
| 25 | 0.00028 | 0.00009 | 0.00037 | 0.00020 | 0.00037 | 0.00020 | |
| 30 | 0.00036 | 0.00015 | 0.00041 | 0.00027 | 0.00041 | 0.00027 | |
| 35 | 0.00047 | 0.00023 | 0.00047 | 0.00036 | 0.00047 | 0.00036 | |
| 40 | 0.00066 | 0.00036 | 0.00059 | 0.00049 | 0.00059 | 0.00049 | |
| 45 | 0.00098 | 0.00056 | 0.00082 | 0.00067 | 0.00082 | 0.00067 | |
| 50 | 0.00149 | 0.00083 | 0.00120 | 0.00091 | 0.00120 | 0.00091 | |
| 55 | 0.00219 | 0.00123 | 0.00175 | 0.00123 | 0.00175 | 0.00123 | |
| 60 | 0.00319 | 0.00186 | 0.00264 | 0.00168 | 0.00264 | 0.00168 | |
| 65 | 0.00468 | 0.00296 | 0.00410 | 0.00228 | 0.00410 | 0.00228 | |
| 70 | 0.00703 | 0.00489 | 0.00766 | 0.00454 | 0.00766 | 0.00454 | |
| 74 | 0.01001 | 0.00731 | 0.01263 | 0.00787 | 0.01263 | 0.00787 | |

Annual Rates of Disability

| | General Employees | | Firefighters Squad V | | Law Enforcement Officers | | |
|-----|-------------------|---------|-------------------------|---------|--------------------------|---------|--|
| Age | Male | Female | Male | Female | Male | Female | |
| 25 | 0.00040 | 0.00050 | 0.00060 | 0.00060 | 0.00060 | 0.00250 | |
| 30 | 0.00050 | 0.00050 | 0.00100 | 0.00090 | 0.00100 | 0.00300 | |
| 35 | 0.00050 | 0.00050 | 0.00070 | 0.00240 | 0.00200 | 0.00400 | |
| 40 | 0.00100 | 0.00050 | 0.00400 | 0.00380 | 0.00300 | 0.00500 | |
| 45 | 0.00200 | 0.00150 | 0.00400 | 0.00480 | 0.00400 | 0.00600 | |
| 50 | 0.00300 | 0.00300 | 0.00800 | 0.00760 | 0.00400 | 0.00700 | |
| 55 | 0.00500 | 0.00450 | 0.01200 | 0.01760 | 0.00400 | 0.00700 | |
| 60 | 0.00650 | 0.00450 | 0.01500 | 0.02760 | 0.00400 | 0.00700 | |
| 64 | 0.00650 | 0.00450 | 0.01500 | 0.03000 | 0.00400 | 0.00700 | |

Annual Rates of Retirement

General Employees

| Male | Service | | | | | | |
|------|---------|-------|-------|-------|-------|-------|-------|
| Age | 5 | 10 | 15 | 20 | 25 | 30 | 35 |
| 50 | | | | 0.030 | 0.055 | 0.400 | 0.400 |
| 55 | | | | 0.030 | 0.055 | 0.250 | 0.250 |
| 60 | 0.080 | 0.070 | 0.070 | 0.075 | 0.200 | 0.225 | 0.225 |
| 65 | 0.250 | 0.250 | 0.275 | 0.325 | 0.300 | 0.300 | 0.300 |
| 70 | 0.200 | 0.250 | 0.200 | 0.275 | 0.300 | 0.300 | 0.300 |
| 75 | 0.250 | 0.200 | 0.300 | 0.275 | 0.300 | 0.300 | 0.300 |
| 80 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

Annual Rates of Retirement (continued)

General Employees (continued)

| Female | Service | | | | | | | |
|--------|---------|-------|-------|-------|-------|-------|-------|--|
| Age | 5 | 10 | 15 | 20 | 25 | 30 | 35 | |
| 50 | | | | 0.035 | 0.050 | 0.450 | 0.450 | |
| 55 | | | | 0.050 | 0.055 | 0.300 | 0.300 | |
| 60 | 0.080 | 0.090 | 0.070 | 0.100 | 0.250 | 0.250 | 0.250 | |
| 65 | 0.250 | 0.250 | 0.350 | 0.350 | 0.350 | 0.300 | 0.300 | |
| 70 | 0.200 | 0.250 | 0.225 | 0.300 | 0.200 | 0.250 | 0.250 | |
| 75 | 0.200 | 0.200 | 0.225 | 0.300 | 0.200 | 0.250 | 0.250 | |
| 80 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |

Firefighters & Rescue Squad Workers

| | Service | | | | | | | | |
|-----|---------|--------|--------|--------|--------|--------|--------|--|--|
| Age | 5 | 10 | 15 | 20 | 25 | 30 | 35 | | |
| 50 | | | | 0.0325 | 0.0425 | 0.5000 | 0.5000 | | |
| 55 | 0.1200 | 0.0575 | 0.0575 | 0.0325 | 0.0425 | 0.4000 | 0.4000 | | |
| 60 | 0.1000 | 0.0575 | 0.0575 | 0.1250 | 0.3500 | 0.4000 | 0.4000 | | |
| 65 | 0.1000 | 0.2500 | 0.2500 | 0.2500 | 0.3500 | 0.3250 | 0.3250 | | |
| 70 | 0.3200 | 0.2500 | 0.2500 | 0.2500 | 0.3500 | 0.3250 | 0.3250 | | |
| 75 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | | |

Law Enforcement Officers

| Service | | | | | | | |
|---------|-------|-------|-------|-------|-------|-------|-------|
| Age | 5 | 10 | 15 | 20 | 25 | 30 | 35 |
| 50 | | | 0.040 | 0.035 | 0.030 | 0.825 | 0.825 |
| 55 | 0.150 | 0.225 | 0.300 | 0.350 | 0.600 | 0.500 | 0.500 |
| 60 | 0.150 | 0.150 | 0.125 | 0.250 | 0.325 | 0.250 | 0.250 |
| 65 | 0.175 | 0.200 | 0.250 | 0.250 | 0.375 | 0.300 | 0.300 |
| 70 | 0.175 | 0.300 | 0.350 | 0.200 | 0.375 | 0.275 | 0.275 |
| 75 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

Salary Merit Increases

Total assumed salary increases are these merit rates added to the wage inflation assumption of 3.25% (2.50% price inflation plus 0.75% real wage growth). Representative values of the assumed annual rates of salary merit increases are as follows:

Annual Rates of Salary Increase

| Service | General Employees | Firefighters & Rescue Squad Workers | Law Enforcement Officers |
|---------|-------------------|--|--------------------------|
| 0 | 5.00% | 4.75% | 4.50% |
| 5 | 2.70% | 2.65% | 2.60% |
| 10 | 1.73% | 1.68% | 1.81% |
| 15 | 1.08% | 1.03% | 1.36% |
| 20 | 0.69% | 0.64% | 1.10% |
| 25 | 0.55% | 0.50% | 0.85% |
| 30 | 0.55% | 0.50% | 0.60% |
| 35 | 0.00% | 0.50% | 0.35% |
| >=40 | 0.00% | 0.00% | 0.00% |

Post-Retirement Mortality

Representative values of the assumed post-retirement mortality rates as of 2010 (the most recent developed Public Pension mortality tables) prior to any mortality improvements are as follows:

| | General Emplo | Firefighter, Rescue Squad Workers, & Law Enforcement Officers | | | |
|-----|---------------|---|---------|---------|--|
| Age | Male Female | | Male | Female | |
| 55 | 0.00477 | 0.00286 | 0.00327 | 0.00279 | |
| 60 | 0.00684 | 0.00384 | 0.00549 | 0.00482 | |
| 65 | 0.01064 | 0.00613 | 0.00957 | 0.00832 | |
| 70 | 0.01828 | 0.01063 | 0.01711 | 0.01438 | |
| 75 | 0.03227 | 0.01883 | 0.03085 | 0.02483 | |
| 80 | 0.05810 | 0.03360 | 0.05571 | 0.04287 | |

Annual Rate of Post-Retirement Mortality (members healthy at retirement)

Annual Rate of Death After Retirement

| | (Contingent of Deceased | | (Members Disabled at Retirement) | | | | | | |
|-----|----------------------------|---------|----------------------------------|----------|--|---------|--|--|--|
| | All Survivors | | General Er | nployees | Firefighters, Rescue Squad Workers, & Law Enforcement Officers | | | | |
| Age | Male | Female | Male | Female | Male | Female | | | |
| 55 | 0.01147 | 0.00742 | 0.02355 | 0.01692 | 0.01818 | 0.01587 | | | |
| 60 | 0.01450 | 0.00975 | 0.02785 | 0.01914 | 0.02280 | 0.01833 | | | |
| 65 | 0.02086 | 0.01332 | 0.03524 | 0.02178 | 0.02677 | 0.02051 | | | |
| 70 | 0.03221 | 0.01931 | 0.04599 | 0.02706 | 0.03353 | 0.02450 | | | |
| 75 | 0.04971 | 0.02946 | 0.06347 | 0.03718 | 0.04344 | 0.03239 | | | |
| 80 | 0.07802 | 0.04698 | 0.09259 | 0.05517 | 0.05921 | 0.04678 | | | |

Mortality Assumption

All mortality rates use Pub-2010 amount-weighted tables.

Mortality Projection

All mortality rates are projected from 2010 using generational improvement with Scale MP-2019.

Deaths After Retirement (General Employees)

Mortality rates are based on the General Mortality Table for Retirees. Rates for male members are first Set Forward 2 years, then are multiplied by 96% for ages under 81, and increase until reaching 100% at age 85 and above. Rates for female members are 100% for ages under 92, and increase until reaching 110% at age 94 and above. Because the retiree tables have no rates prior to age 50, the General Mortality Table for Employees is used for ages less than 50.

Deaths After Retirement (Firefighters, Rescue Squad Workers & Law Enforcement Officers)

Mortality rates are based on the Safety Mortality Table for Retirees. Rates for all members are multiplied by 97% and Set Forward by 1 year. Because the retiree tables have no rates prior to age 45, the Safety Mortality Table for Employees is used for ages less than 45.

Deaths After Retirement (Survivors of Deceased Members)

Mortality rates are based on the Below- median Teachers Mortality Table for Contingent Survivors. Rates for male members are Set Forward 3 years. Rates for female members are Set Forward 1 year. Because the contingent survivor tables have no rates prior to age 45, the Below-median Teachers Mortality Table for Employees is used for ages less than 45.

Deaths After Retirement (Disabled Members at Retirement)

Mortality rates are based on the General Mortality Table for Disabled Retirees. Rates for General Employee male members are Set Forward 3 years, while Firefighter, Rescue Squad Worker & Law Enforcement Officer male members are Set Back 3 years. Rates for General Employee female members are Set Back 1 year, while Firefighter, Rescue Squad Worker & Law Enforcement Officer female members are Set Back 3 years.

Deaths Prior to Retirement

Mortality rates for General Employees are based on the General Mortality Table for Employees. Mortality rates for Firefighters, Rescue Squad Workers & Law Enforcement Officers are based on the Safety Mortality Table for Employees.

Line-of-Duty Deaths

50% of deaths prior to retirement for firefighters, rescue squad workers and law enforcement officers are assumed to occur in the line-of-duty.

Timing of Assumptions

All withdrawals, deaths, disabilities, retirements and salary increases are assumed to occur July 1 of each year. The timing of retirement changes from mid-year to beginning of year at and after the 100% retirement age.

Leave Conversions

Sick leave can be converted to increase creditable service and used to meet the eligibility requirements for retirement. Unused vacation leave can be converted to increase creditable service or compensation, but does not add to the eligibility service. The assumed impact of these conversions is shown in the table below.

| | General | | Fire & Reso | cue Squad | Law Enforcement | | | |
|--|---------|--------|-------------|-----------|-----------------|--------|--|--|
| | Male | Female | Male | Female | Male | Female | | |
| Increase in AFC (percentage) – Unused Vacation Leave | 1.50% | 1.50% | 1.75% | 1.75% | 1.50% | 1.50% | | |
| Increase in Creditable Service (years) - Unused Sick Leave | | | | | | | | |
| Credited | 0.80 | 0.60 | 1.20 | 1.20 | 1.10 | 1.10 | | |
| Eligibility | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | |

Liability for Inactive Members

For inactive members with five or more years of service, without actual deferred benefit amounts a deferred benefit amount is estimated based on available data and contribution balances projecting backwards assuming 4% salary growth and 4% interest on contribution balances where necessary. For inactive members with less than five years of service the liability is equal to the member's accumulated contributions.

Administrative Expenses

0.13% of payroll for general employees and firefighters is added to the normal cost.

Marriage Assumption

100% married with male spouses three years older than female spouses.

Missing Gender Code

For members reported on the data without a gender code, we use the prior year's code where available or assign a code.

Reported Compensation

Calendar year compensation as furnished by the system's office.

Valuation Compensation

Reported compensation adjusted to reflect the assumed rate of pay as of the valuation date and the probability of decrement during the year.

Compensation Limits

No compensation limits are applied.

Actuarial Cost Method

Entry age normal cost method. Entry age is established on an individual basis.

Normal Cost

Normal cost rate reflects the impact of new entrants during the year.

Amortization Period

12-year closed, level-dollar amount. The first amortization base was created for the contribution payable for fiscal year ending 2018.

Asset Valuation Method

Actuarial value, as developed in Table 7. The actuarial value of assets is based upon a smoothed market value method. Under this method, asset returns in excess of or less than the expected return on market value of assets will be reflected in the actuarial value of assets over a five-year period. The calculation of the Actuarial Value of Assets is based on the following formula:

 $MV - 80\% \ x \ G/(L)_1 - 60\% \ x \ G/(L)_2 - 40\% \ x \ G/(L)_3 - 20\% \ x \ G/(L)_4$

MV = the market value of assets as of the valuation date

 $G/(L)_i$ = the asset gain or (loss) for the i-th year preceding the valuation date

Changes Since Prior Valuation:

The assumptions and methods used for the December 31, 2021 actuarial valuation are based on the experience study prepared as of December 31, 2019 and adopted by the Board of Trustees on January 28, 2021. No changes have been made since the prior valuation.

Appendix D: Additional Disclosures

Table D-1 illustrates the sensitivity of certain valuation results to changes in the discount rate on a market value of assets basis. Table D-2 provides an estimate of future market value of asset returns based on the current portfolio structure and summarized in the "NCRS Investment policy Statement Review" presentation prepared by the DST Investment Management Division and dated May 25, 2022.

Section 6(c) of Session Law 2016-108 requires that the actuarial valuation report for certain Retirement Systems provide the valuation results using a 30-year treasury rate as of December 31 of the year of the valuation as the discount rate. This is 3.97% at December 31, 2022 and has been used as the lower bound of the sensitivity analysis presented. The range between the current discount rate (6.50%) and the 30-year treasury rate (3.97%) was used to establish an upper bound for sensitivity analysis (9.03%). The remaining rates illustrated represent mid-points between the selected rates. Based on the analysis performed by Callan for DST's Investment Management Division in 2022, the lower bound of 3.97% returns is 75% to 95% likely to be achieved on average over the next 30 years, while the upper bound of 9.03% is more than 5% likely to be achieved on average over the next 30 years.

| Discount Rate | 3.97% | 5.24% | 6.50% | 7.77% | 9.03% |
|----------------------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Market Value of Assets | \$ 29,655,407,814 | \$ 29,655,407,814 | \$ 29,655,407,814 | \$ 29,655,407,814 | \$ 29,655,407,814 |
| Actuarial Accrued Liability | \$ 51,383,931,537 | \$ 43,277,433,606 | \$ 37,089,528,129 | \$ 32,212,626,543 | \$ 28,364,875,584 |
| Unfunded Accrued Liability (UAL) | \$ 21,728,523,723 | \$ 13,622,025,792 | \$ 7,434,120,315 | \$ 2,557,218,729 | \$ (1,290,532,230) |
| Funded Ratio | 57.7% | 68.5% | 80.0% | 92.1% | 104.5% |
| 20-Year Amortization of UAL | \$ 1,657,879,137 | \$ 1,173,862,857 | \$ 718,544,083 | \$ 275,906,086 | N/A |
| (as % of general local revenue) | 7.6% | 5.4% | 3.3% | 1.3% | N/A |

Table D-1: Sensitivity of Valuation Results as of December 31, 2022

Other than the discount rate, these results are based on the other economic and demographic assumptions presented in the report. For purposes of simplicity in this disclosure, no adjustments to the valuation assumption for inflation were reflected in the sensitivities above. The statute also requires that the actuarial valuation report show the results using a market value of assets basis. The "funded ratio" and "unfunded actuarial accrued liability" in Table D-1 are based upon the market value of assets. In order to alleviate volatility, future employer contributions are determined based on the actuarial value of assets, which smooths market value returns.

None of the liability amounts shown are intended to imply the amount that might represent the cost of any settlement of the plan's obligations. The various caveats, constraints, and discussions presented earlier in the report apply to these results as well.

Table D-2: Estimate of Future Asset Returns

| Horizon | 95% Chance (19 out of every 20 scenarios) | 75% Chance (3 out of every 4 scenarios) | 50% Chance (1 out of every 2 scenarios) | 25% Chance (1 out of every 4 scenarios) | 5% Chance (1 out of every 20 scenarios) |
|--------------------|---|---|---|---|---|
| 10 Years (2032) | 0.4% | 3.6% | 5.7% | 7.8% | 11.1% |
| 30 Years (2052) | 3.3% | 5.1% | 6.3% | 7.6% | 9.3% |

This analysis was commisioned by the Investment Management Divison and presented by Callan to the Investment Advisory Committee on February 23, 2022.

Total Rate Death Benefit Rate** Estimated Date of 12/31/2022 LEO Employer General Law Employer General Law Liquidation of Employer Unfunded Prior Code Employees Enforcement Prior Code Employees Enforcement Service Liability Service Liability* 70505 Eastern Band of Cherokee Indians 15.24% 0.14% 72265 Piedmont Triad Airport Authority 15.24% 0.14% 72593 Seagrove. Town of 15.24% 0.14% Sparta, Town of 72657 15.24% 0.14% 90001 Yancey County 13.65% 0.05% 73190 15.24% 0.14% 90002 Yancey Soil & Water Cons 13.60% Burnsville, Town of 90011 70330 13.67% 15.24% 0.07% 0.14% 90092 Martin-Tyrrell-Washington Dist Health Dept 13.64% 0.04% 90096 Albemarle Regional Health Services 13.64% 0.04% 90098 Toe River Health District 13.64% 0.04% Appalachian District Health Dept 13.63% 0.03% 90099 90101 70020 Alamance County 13.64% 15.24% 0.04% 0.14% 70320 90111 Burlington, City of 13.65% 15.24% 0.05% 0.14% 90114 Mebane. Citv of 24.10% 25.74% 0.14% 2,278,747 6/30/2025 90117 Alamance Municipal A.B.C. Board 13.69% 0.09% 71080 Graham, City of 15.24% 0.14% 90121 13.60% 90131 70880 Elon, Town of 13.64% 15.24% 0.04% 0.14% 90141 71245 Haw River. Town of 13.60% 15.24% 0.14% 90151 Alamance, Village of 13.60% 90161 Green Level, Town of 13.60% 90201 70032 Alexander County 13.64% 15.24% 0.04% 0.14% 90211 72775 Taylorsville. Town of 13.60% 15.24% 0.14% 90301 70035 Alleghany County 13.65% 15.24% 0.05% 0.14% Northwestern Regional Library 90305 13.70% 0.10% 90307 Sparta A.B.C. Board 14.13% 1,779 12/31/2028 90401 70040 Anson County 13.65% 15.24% 0.05% 0.14% 90411 72930 Wadesboro, Town of 13.66% 15.24% 0.06% 0.14% 90413 Wadesboro Housing Authority 13.68% 0.08% 90417 Wadesboro A.B.C. Board 13.74% 0.14% 90421 71584 Lilesville. Town of 13.67% 0.07% 90431 72345 Polkton, Town of 13.74% 15.24% 0.14% 0.14% 90441 Peachland, Town of 13.60% 90451 Ansonville, Town of 13.60% 90461 Morven, Town of 13.60% 90501 70065 Ashe County 13.65% 15.24% 0.05% 0.14% 90507 West Jefferson A.B.C. Board 16.82% 17.946 6/30/2026 90511 71447 Jefferson, Town of 13.60% 15.24% 0.14% West Jefferson, Town of 90521 73025 13.60% 15.24% 0.14% 90601 70090 Avery County 13.67% 15.24% 0.07% 0.14% 90602 70090 Avery County Fire Commission 19.85% 243,671 6/30/2033

The table below provides the total contribution rates payable for the year beginning July 1, 2024 by all participating employers.

| | | | | | • | | • | - |
|-----------------------|-------------|---|------------------|--------------------|-----------|--------------|------------------------------|-------------------------|
| | | | Total | Rate** | Death E | Benefit Rate | | |
| | | | | | | | | Estimated Date of |
| Employer | LEO Employe | | General | 1 | General | Law | 12/31/2022 Unfunded Prior | Liquidation of Prior |
| Employer Code | Code | Employer | Employees | Law Enforcement | Employees | Enforcement | Service Liability | |
| 90605 | Code | Avery-Mitchell-Yancey Reg Library | 13.65% | Linorcement | 0.05% | LIIIOICement | | |
| 90603 | 70110 | Banner Elk, Town of | 13.60% | 15.24% | 0.05 % | 0.14% | | |
| 90617 | 70110 | High Country A.B. C. Board | 13.64% | 15.24 /0 | 0.04% | 0.1470 | | |
| 90621 | 72032 | Newland, Town of | 13.60% | 15.24% | 0.0478 | 0.14% | | |
| 90621 | 72032 | Beech Mountain, Town of | 13.60% | 15.24% | | 0.14% | | |
| 90641 | 70860 | Elk Park, Town of | 13.60% | 13.2470 | | 0.1478 | | |
| 90651 | 72724 | Sugar Mountain, Town of | 13.60% | 15.24% | | 0.14% | 98,651 | 6/30/2024 |
| 90701 | 70130 | Beaufort County | 13.63% | 15.24% | 0.03% | 0.14% | 90,001 | 0/30/2024 |
| 90701 | 70130 | Beaufort County A.B.C. Board | 13.68% | 15.24% | 0.03% | 0.14% | | |
| 90704 90705 | | B.H.M. Regional Library | 13.71% | 15.24% | 0.08% | 0.14% | | |
| 90705 | | Mideast Commission | 13.64% | | 0.04% | | | |
| 90709 90711 | 72990 | | 13.65% | 15.24% | 0.04% | 0.14% | | |
| 90711 | 72990 | Washington, City of Aurora, Town of | 13.74% | 15.24% | 0.03% | 0.14% | | |
| 90721 90731 | 70085 | Belhaven. Town of | 13.74% | 45 040/ | 0.14% | 0 1 40/ | | |
| | 70147 | | 13.60% | 15.24% | | 0.14% | | |
| <u>90741</u> 90751 | 70525 | Washington Park, Town of Chocowinity, Town of | 13.60% | 15.24% | | 0.14% | | |
| | | | | | | | | |
| 90801 90804 | 70180 | Bertie County Bertie County A.B.C. Board | 13.60% 13.68% | 15.24% | 0.08% | 0.14% | | |
| 90804 90805 | | Albemarle Regional Library | 13.72% | | 0.08% | | | |
| 90805 90808 | | o i | 13.65% | | 0.12% | | | |
| 90808 | 70082 | Bertie-Martin Regional Jail Comm Aulander, Town of | 13.65% | | 0.05% | | | |
| 90811 | | | | 45 040/ | 0.04% | 0 1 40/ | | |
| | 73122 | Windsor, Town of | 13.60% | 15.24% | 0.050/ | 0.14% | | |
| 90813 | 70575 | Colerain, Town of | 13.85% | | 0.25% | | 000 | 0/00/0004 |
| 90861 | 71556 | Lewiston Woodville, Town of | 13.60% | 45 040/ | 0.059/ | 0 1 40/ | 996 | 6/30/2024 |
| 90901 | 70210 | Bladen County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 90911 | 70850 | Elizabethtown, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 90917 | | Elizabeth A.B.C. Board | 13.60% | | 0.000/ | | | |
| 90918 | 70050 | South Eastern Economic Development Comm | 13.62% | 45 0 404 | 0.02% | 0.4.40/ | | |
| 90921 | 73050 | White Lake, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 90931 | 70537 | Clarkton, Town of | 13.65% | 45.040/ | 0.05% | 0.4.40/ | | |
| 90941 | 70215 | Bladenboro, Town of | 13.60% | 15.24% | 0.040/ | 0.14% | | |
| 91001 | 70280 | Brunswick County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91002 | 71540 | Leland, Town of | 13.60% | 15.24% | 0.000/ | 0.14% | | |
| 91003 | | Brunswick Co Health Dept | 13.63% | | 0.03% | | | |
| 91004 | | Brunswick County A.B.C. Board | 13.60% | | 0.020/ | | | |
| 91006 | | Brunswick Co Dept of Social Services | 13.63% | | 0.03% | | | |
| 91007 | | Calabash A.B.C. Board | 13.60% | | | | | |
| 91008 | | Cape Fear Council of Governments | 13.60% | | | | 4 500 | 6/30/2025 |
| 91009 | | Brunswick County Tourism Authority | 14.61% | | | | 4,592 | 0/30/2023 |
| 91010 | | Calabash, Town of | 13.60% | | | | | |

| | | | | | <u> </u> | | | |
|----------|--------------|---|-----------|-------------|-----------|--------------|-------------------|-------------------------------------|
| | | | Total | Rate** | Death E | Benefit Rate | 12/31/2022 | Estimated Date of Liquidation of |
| Employer | LEO Employer | | General | Law | General | Law | Unfunded Prior | Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | |
| 91011 | 72650 | Southport, City of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 91012 | 72076 | Northwest, City of | 13.60% | 15.24% | | 0.14% | | |
| 91013 | . 20. 0 | Southeast Brunswick Sanitary District | 19.52% | | 0.11% | 011170 | 221,620 | 6/30/2039 |
| 91014 | 71375 | Holden Beach, Town of | 13.60% | 15.24% | | 0.14% | ,= | |
| 91015 | | Cape Fear Regional Jetport | 14.04% | | 0.44% | 011170 | | |
| 91017 | | Southport A.B.C. Board | 13.76% | | 0.16% | | | |
| 91020 | | Belville, Town of | 13.60% | | | | | |
| 91021 | 71630 | Oak Island, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 91024 | | Carolina Shores Town of | 13.60% | | | | | |
| 91026 | | Navassa, Town of | 20.87% | 22.51% | | 0.14% | 162,807 | 6/30/2035 |
| 91027 | | Oak Island A.B.C. Bd | 13.79% | | 0.19% | | · | |
| 91032 | | St James, Town of | 13.60% | | | | | |
| 91041 | 72723 | Sunset Beach, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 91042 | | Brunswick Regional Water and Sewer H2GO | 13.60% | | | | | |
| 91047 | | Sunset Beach A.B.C. Board | 13.92% | | 0.32% | | | |
| 91051 | 70405 | Caswell Beach, Town of | 13.60% | 15.24% | | 0.14% | | |
| 91057 | | Shallotte A.B.C. Board | 13.72% | | 0.12% | | | |
| 91061 | 72135 | Ocean Isle Beach, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 91067 | | Ocean Isle Beach A.B.C. | 13.70% | | 0.10% | | | |
| 91071 | 70225 | Boiling Spring Lakes, City of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 91077 | | Boiling Spring Lakes A.B.C. Board | 13.60% | | | | | |
| 91081 | 72597 | Shallotte, Town of | 13.60% | 15.24% | | 0.14% | | |
| 91091 | 70107 | Bald Head Island, Village of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 91101 | 70290 | Buncombe County | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 91102 | | Land-of-Sky Regional Council | 13.64% | | 0.04% | | | |
| 91104 | | Woodfin A.B.C. Commission | 13.60% | | | | | |
| 91107 | | Western NC Regional Air Quality | 13.64% | | 0.04% | | | |
| 91108 | | Metro Sewerage Dist of Buncombe County | 13.64% | | 0.04% | | | |
| 91109 | | Woodfin Sanitary Water and Sewer Dist | 13.64% | | 0.04% | | | |
| 91111 | 70190 | Biltmore Forest, Town of | 13.60% | 15.24% | | 0.14% | | |
| 91120 | | West Buncombe Fire Dept | 13.60% | | | | | |
| 91121 | 70070 | Asheville, City of | 13.60% | 15.24% | | 0.14% | | |
| 91127 | 70072 | Asheville A.B.C. Board | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 91128 | 70074 | Asheville Regional Airport Authority | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91138 | | Skyland Vol Fire Dept | 13.60% | | | | | |
| 91141 | 73016 | Weaverville, Town of | 13.69% | 15.24% | 0.09% | 0.14% | | |
| 91147 | | Weaverville A.B.C. Board | 13.60% | | | | | |
| 91151 | 70200 | Black Mountain, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 91154 | | Black Mountain A.B.C. Board | 13.69% | | 0.09% | | | |
| 91161 | 71820 | Montreat, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |

| | | | | | | | | - |
|----------|--------------|---------------------------------------|-----------|-------------|-----------|--------------|-------------------|--------------------|
| | | | Total | Rate** | Death B | Benefit Rate | | Estimated Date of |
| | | | | | | | 12/31/2022 | Liquidation of |
| Employer | LEO Employer | | General | Law | General | Law | Unfunded Prior | Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | Service Liability* |
| 91171 | 73160 | Woodfin, Town of | 13.60% | 15.24% | | 0.14% | | |
| 91201 | 70310 | Burke County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 91203 | | Burke Co Health Dept | 13.65% | | 0.05% | | | |
| 91206 | | Burke Co Dept of Social Services | 13.63% | | 0.03% | | | |
| 91208 | | Burke County Tourism Dev. Authority | 13.60% | | | | | |
| 91211 | 72883 | Valdese, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 91213 | | Valdese Housing Authority | 13.60% | | | | | |
| 91214 | | Rutherford College, Town of | 13.60% | | | | | |
| 91217 | 71880 | Morganton A.B.C. Board | 13.67% | | 0.07% | | | |
| 91221 | 70745 | Drexel, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91231 | 71870 | Morganton, City of | 13.60% | 15.24% | | 0.14% | | |
| 91233 | | Morganton Housing Authority | 13.66% | | 0.06% | | | |
| 91241 | 71065 | Glen Alpine, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91251 | | Hildebran, Town of | 13.60% | | | | | |
| 91261 | | Connelly Springs, Town of | 13.60% | | | | | |
| 91301 | 70340 | Cabarrus County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91302 | | Water & Sewer Auth of Cabarrus County | 13.63% | | 0.03% | | | |
| 91306 | | Cabarrus Co Public Health Auth | 13.62% | | 0.02% | | | |
| 91308 | | Cabarrus County Tourism Authority | 14.27% | | | | 40,009 | 6/30/2030 |
| 91311 | 70590 | Concord, City of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 91317 | | Concord A.B.C. Board | 13.68% | | 0.08% | | | |
| 91321 | | Mount Pleasant, Town of | 13.60% | | | | | |
| 91327 | | Mount Pleasant A.B.C. Board | 13.63% | | 0.03% | | | |
| 91331 | 71468 | Kannapolis, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91341 | | Midland, Town of | 13.60% | | | | | |
| 91401 | 70350 | Caldwell County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91411 | 71090 | Granite Falls, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91414 | | Rhodhiss, Town of | 13.60% | 15.24% | | 0.14% | | |
| 91417 | | Granite Falls A.B.C. Board | 13.74% | | 0.14% | | | |
| 91421 | | Sawmills, Town of | 13.60% | | | | | |
| 91423 | | Lenoir Housing Authority | 13.66% | | 0.06% | | | |
| 91431 | 71395 | Hudson, Town of | 13.60% | 15.24% | | 0.14% | | |
| 91441 | | Harrisburg, Town of | 13.60% | | | ••••• | | |
| 91451 | 71552 | Lenoir, City of | 13.72% | 15.24% | 0.12% | 0.14% | | |
| 91457 | | Lenoir A.B.C. Board | 13.60% | | | ••••• | | |
| 91461 | | Cajah's Mountain, Town of | 13.60% | | | | | |
| 91501 | 70357 | Camden County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 91504 | | Camden County A.B.C. Board | 13.83% | | 0.23% | | | |
| 91601 | 70380 | Carteret County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| | | | | | | | | |

| | | | | - | | | | |
|------------------|----------------------|--|----------------------|--------------------|----------------------|--------------------|---|-------------------------|
| | | | Total | Rate** | Death E | Benefit Rate | | Estimated Date of |
| Employer Code | LEO Employer Code | Employer | General Employees | Law Enforcement | General Employees | Law Enforcement | 12/31/2022 Unfunded Prior Service Liability | Liquidation of Prior |
| 91608 | | Western Carteret Interlocal Cooperation Agency | 13.60% | | | | | , |
| 91611 | 71860 | Morehead City, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91621 | 72035 | Newport, Town of | 13.60% | 15.24% | | 0.14% | | |
| 91631 | 70145 | Beaufort, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91633 | | Beaufort Housing Authority | 13.60% | | | | | |
| 91641 | 72290 | Pine Knoll Shores, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 91651 | 70890 | Emerald Isle, Town of | 13.60% | 15.24% | | 0.14% | | |
| 91661 | 71405 | Indian Beach, Town of | 13.60% | 15.24% | | 0.14% | | |
| 91671 | 70365 | Cape Carteret, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 91681 | 70080 | Atlantic Beach, Town of | 19.92% | 21.47% | 0.09% | 0.14% | 515,492 | 6/30/2025 |
| 91691 | | Cedar Point, Town of | 13.60% | 2 | | 0.1.1/0 | | |
| 91701 | 70415 | Caswell County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 91704 | | Caswell County A.B.C. Board | 13.73% | | 0.13% | | | |
| 91706 | | Caswell Co Dept of Social Services | 13.65% | | 0.05% | | | |
| 91719 | 73192 | Yanceyville, Town of | 13.64% | | 0.04% | | | |
| 91801 | 70430 | Catawba County | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 91804 | 70440 | Catawba County A.B.C. Board | 13.67% | | 0.07% | | | |
| 91811 | 71330 | Hickory, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91812 | | Hickory Conover Tourism Dev Auth | 13.60% | | | | | |
| 91813 | | Hickory Public Housing Authority | 13.64% | | 0.04% | | | |
| 91818 | | Western Piedmont Council of Gvmts | 13.60% | | | | | |
| 91819 | | Western Piedmont Regional Transit Authority | 13.79% | | 0.19% | | | |
| 91821 | 70535 | Claremont, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91831 | 71700 | Maiden, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 91841 | 71640 | Longview, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 91851 | 70610 | Conover, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 91861 | 70270 | Brookford, Town of | 13.60% | | | | | |
| 91871 | 72040 | Newton, City of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 91881 | 70441 | Catawba, Town of | 13.60% | 15.24% | | 0.14% | | |
| 91901 | 70490 | Chatham County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 91903 | | Chatham Co Housing Auth | 13.60% | | | | | |
| 91904 | | Chatham County A.B.C. Board | 13.77% | | 0.17% | | | |
| 91908 | | Goldston-Gulf Sanitary District | 13.60% | | | | | |
| 91911 | 72625 | Siler City, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 91917 | | Siler City A.B.C. Board | 13.64% | | 0.04% | | | |
| 91921 | 72330 | Pittsboro, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 92001 | 70500 | Cherokee County | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 92005 | | Nantahala Regional Library | 13.75% | | 0.15% | | | |
| 92011 | 71975 | Murphy, Town of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 92017 | | Murphy A.B.C. Board | 13.68% | | 0.08% | | | |

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|----------|--------------|--|-----------|-------------|-----------|--------------|-------------------|-------------------------------------|
| | | | Tota | Rate** | Death E | Benefit Rate | | Estimated Data of |
| | | | | | | | 12/31/2022 | Estimated Date of Liquidation of |
| Employer | LEO Employer | | General | Law | General | Law | Unfunded Prior | Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | Service Liability* |
| 92021 | 70036 | Andrews, Town of | 13.60% | 15.24% | | 0.14% | | |
| 92101 | 70530 | Chowan County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 92104 | | Chowan County A.B.C. Board | 13.73% | | 0.13% | | | |
| 92109 | | Albemarle Regional Planning & Development Comm | 13.64% | | 0.04% | | | |
| 92111 | 70817 | Edenton, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 92113 | | New Edenton Housing Auth | 13.68% | | 0.08% | | | |
| 92201 | 70538 | Clay County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 92214 | | Clay County A.B.C. Board | 13.60% | | | | | |
| 92301 | 70550 | Cleveland County | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 92302 | | Cleveland County Water | 13.60% | | | | | |
| 92311 | 72610 | Shelby, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 92317 | | Shelby A.B.C. Board | 13.69% | | 0.09% | | | |
| 92321 | 71490 | Kings Mountain, City of | 13.69% | 15.24% | 0.09% | 0.14% | | |
| 92327 | | Kings Mountain A.B.C. Board | 13.80% | | 0.20% | | | |
| 92331 | 70230 | Boiling Springs, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 92341 | 71532 | Lawndale, Town of | 13.60% | | | | | |
| 92351 | 71178 | Grover, Town of | 13.67% | | 0.07% | | | |
| 92401 | 70580 | Columbus County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 92403 | | Whiteville Housing Authority | 13.60% | | | | | |
| 92411 | 73060 | Whiteville, City of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 92417 | | Whiteville A.B.C. Board | 13.62% | | 0.02% | | | |
| 92421 | | Brunswick, Town of | 13.60% | | | | | |
| 92427 | | Lake Waccamaw A.B.C. Board | 13.87% | | 0.27% | | | |
| 92431 | 70908 | Fair Bluff, Town of | 13.60% | 15.24% | | 0.14% | | |
| 92441 | 70450 | Chadbourn, Town of | 13.60% | 15.24% | | 0.14% | | |
| 92444 | | West Columbus A.B.C. Board | 13.60% | | | | | |
| 92451 | 72760 | Tabor City, Town of | 13.60% | 15.24% | | 0.14% | | |
| 92461 | 71519 | Lake Waccamaw, Town of | 13.60% | 15.24% | | 0.14% | | |
| 92501 | 70650 | Craven County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 92502 | | First Craven Sanitary Dist | 13.60% | | | | | |
| 92504 | | Craven Co A.B.C. Bd | 13.66% | | 0.06% | | | |
| 92505 | | Craven-Pamlico-Carteret Regional Library | 13.71% | | 0.11% | | | |
| 92506 | | Coastal Carolina Regional Airport | 13.84% | | 0.24% | | | |
| 92507 | | Neuse River Council of Governments | 13.62% | | 0.02% | | | |
| 92508 | | Coastal Regional Solid Waste Mngt Auth | 13.66% | | 0.06% | | | |
| 92511 | 72020 | New Bern, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 92513 | | Trillium Health Resources | 13.63% | | 0.03% | | | |
| 92521 | 72810 | Trent Woods, Town of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 92531 | 71240 | Havelock, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 92541 | 72435 | River Bend, Town of | 13.60% | 15.24% | | 0.14% | | |

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| | | | Total | Rate** | Death E | Benefit Rate | 12/31/2022 | Estimated Date of Liquidation of |
| Employer | LEO Employer | | General | Law | General | Law | Unfunded Prior | Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | Service Liability* |
| 92551 | 72910 | Vanceboro, Town of | 13.60% | 15.24% | | 0.14% | | |
| 92561 | | Bridgeton, Town of | 13.60% | | | | | |
| 92571 | | Cove City, Town of | 13.60% | | | | | |
| 92601 | 70680 | Cumberland County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 92602 | | Westarea Volunteer Fire Dept | 13.60% | | | | | |
| 92604 | 70685 | Cumberland Co A.B.C. Board | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 92607 | | Mid-Carolina Council Of Governments | 13.65% | | 0.05% | | | |
| 92611 | 70940 | Fayetteville, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 92613 | | Fayetteville Metropolitan Housing Auth | 13.65% | | 0.05% | | | |
| 92614 | | Fayetteville Public Works Commission | 13.60% | | | | | |
| 92621 | 72715 | Stedman, Town of | 13.60% | | | | | |
| 92631 | 71390 | Hope Mills, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 92641 | | Wade, Town of | 13.60% | | | | | |
| 92651 | | Linden, Town of | 13.60% | | | | | |
| 92661 | 72676 | Spring Lake, Town of | 20.29% | 21.86% | 0.07% | 0.14% | 351,075 | 9/30/2024 |
| 92671 | | Falcon Town of | 20.02% | | | | 10,121 | 6/30/2026 |
| 92681 | | Eastover, Town of | 13.65% | | 0.05% | | | |
| 92701 | 70700 | Currituck County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 92704 | | Currituck Co A.B.C. Board | 13.60% | | | | | |
| 92801 | 70720 | Dare County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 92802 | | Dare County Tourism Board | 13.65% | | 0.05% | | | |
| 92804 | 70721 | Dare County A.B.C. Board | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 92811 | 71980 | Nags Head, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 92821 | 71480 | Kill Devil Hills, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 92831 | 71705 | Manteo, Town of | 13.68% | 15.24% | 0.08% | 0.14% | | |
| 92841 | 72645 | Southern Shores, Town of | 13.62% | 15.24% | 0.02% | 0.14% | | |
| 92851 | 71507 | Kitty Hawk, Town of | 13.70% | 15.24% | 0.10% | 0.14% | | |
| 92861 | 70755 | Duck, Town of | 13.60% | 15.24% | | 0.14% | | |
| 92901 | 70723 | Davidson County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 92911 | 72780 | Thomasville, City of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 92913 | | Thomasville Housing Authority | 13.60% | | | | 64,263 | 6/30/2024 |
| 92914 | | Thomasville A.B.C. Board | 13.60% | | | | · | |
| 92917 | | Lexington A.B.C. Board | 13.73% | | 0.13% | | | |
| 92921 | 70730 | Denton, Town of | 13.60% | 15.24% | | 0.14% | | |
| 92931 | 71570 | Lexington, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 92941 | | Midway, Town of | 15.89% | | | | 17,158 | 3/31/2038 |
| 93001 | 70725 | Davie County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 93009 | | Davie Soil and Water Conservation Dist | 13.60% | | | | | |
| 93011 | 71790 | Mocksville, Town of | 13.65% | | 0.05% | | | |
| 93021 | | Bermuda Run, Town of | 13.60% | | | | | |

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| | | | Tota | I Rate** | Death E | Senefit Rate | 12/31/2022 | Estimated Date of Liquidation of |
| Employer | LEO Employe | | General | Law | General | Law | Unfunded Prior | Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | Service Liability* |
| 93028 | | Mocksville-Cooleemee A.B.C. Board | 13.69% | | 0.09% | | | |
| 93031 | 70624 | Cooleemee, Town of | 13.60% | | | | 6,831 | 6/30/2024 |
| 93101 | 70770 | Duplin County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 93108 | | Eastpointe Human Services | 13.63% | | 0.03% | | | |
| 93111 | 70160 | Beulaville, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 93121 | 71469 | Kenansville, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 93127 | | Kenansville A.B.C. Board | 13.60% | | | | | |
| 93131 | 72981 | Warsaw, Town of | 13.76% | 15.24% | 0.16% | 0.14% | | |
| 93137 | | Warsaw A.B.C. Board | 13.60% | | | | | |
| 93141 | 70920 | Faison, Town of | 13.65% | | 0.05% | | | |
| 93151 | 72970 | Wallace, Town of | 13.60% | 15.24% | | 0.14% | | |
| 93157 | | Wallace A.B.C. Bd | 13.60% | | | | | |
| 93161 | 72487 | Rose Hill, Town of | 13.70% | 15.24% | 0.10% | 0.14% | | |
| 93171 | | Calypso, Town of | 13.60% | | | | | |
| 93181 | | Teachey, Town of | 13.60% | | | | | |
| 93191 | 71690 | Magnolia, Town of | 13.60% | 15.24% | | 0.14% | | |
| 93201 | 70790 | Durham County | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 93204 | 70800 | Durham County A.B.C. Board | 13.65% | | 0.05% | | | |
| 93209 | | Alliance Behavioral Healthcare | 13.60% | | | | | |
| 93211 | 70780 | Durham, City of | 13.60% | 15.24% | | 0.14% | | |
| 93212 | | Durham Convention & Visitors Bureau | 19.31% | | | | 330,943 | 6/30/2027 |
| 93219 | | Triangle J Council of Governments | 13.63% | | 0.03% | | | |
| 93301 | 70820 | Edgecombe County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 93304 | | Edgecombe County A.B.C. Board | 13.70% | | 0.10% | | | |
| 93305 | | Edgecombe County Memorial Library | 13.67% | | 0.07% | | | |
| 93309 | | Upper Coastal Plain Council of Governments | 13.64% | | 0.04% | | | |
| 93311 | 72770 | Tarboro, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 93317 | | Tarboro Redevelopment Commission | 13.67% | | 0.07% | | | |
| 93321 | 72480 | Rocky Mount, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 93323 | | Rocky Mount-Wilson Airport Authority | 13.63% | | 0.03% | | | |
| 93331 | 72296 | Pinetops, Town of | 13.68% | 15.24% | 0.08% | 0.14% | | |
| 93333 | | Rocky Mt Housing Authority | 13.60% | | | | | |
| 93341 | | Macclesfield, Town of | 13.64% | | 0.04% | | | |
| 93351 | 72351 | Princeville, Town of | 13.60% | | | | | |
| 93401 | 70951 | Forsyth County | 13.60% | 15.24% | | 0.14% | | |
| 93406 | | Piedmont Triad Regional Council | 13.70% | | 0.10% | | | |
| 93411 | 73130 | Winston-Salem, City of | 13.60% | 15.24% | | 0.14% | | |
| 93413 | | Winston-Salem Housing Authority | 13.64% | | 0.04% | | | |
| 93417 | 73140 | Triad Municipal A.B.C. Board | 13.70% | 15.24% | 0.10% | 0.14% | | |
| 93421 | 71470 | Kernersville, Town of | 13.60% | 15.24% | | 0.14% | | |

| | | | Total | Rate** | Death B | Benefit Rate | | |
|------------------|----------------------|---------------------------------------|----------------------|--------------------|----------------------|--------------------|---|---|
| Employer Code | LEO Employer Code | r Employer | General Employees | Law Enforcement | General Employees | Law Enforcement | 12/31/2022 Unfunded Prior Service Liability | Estimated Date o Liquidation of Prior Service Liability* |
| 93431 | | Rural Hall, Town of | 13.64% | | 0.04% | | , | , |
| 93441 | | Clemmons, Village of | 13.60% | | | | | |
| 93442 | | Clemmons Fire Department | 13.60% | | | | | |
| 93451 | | Lewisville, Town of | 13.60% | | | | | |
| 93461 | | Walkertown, Town of | 13.60% | | | | | |
| 93471 | | Tobaccoville, Village of | 13.60% | | | | | |
| 93501 | 70960 | Franklin County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 93511 | 70970 | Franklinton, Town of | 13.60% | 15.24% | | 0.14% | | |
| 93517 | | Franklinton A.B.C Board | 13.75% | | 0.15% | | | |
| 93521 | 71650 | Louisburg, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 93527 | | Louisburg A.B.C. Board | 13.71% | 1012170 | 0.11% | 0 | | |
| 93531 | 70295 | Bunn, Town of | 13.60% | 15.24% | | 0.14% | | |
| 93537 | | Bunn A.B.C. Board | 13.60% | | | | | |
| 93541 | 73200 | Youngsville, Town of | 13.60% | 15.24% | | 0.14% | | |
| 93601 | 71030 | Gaston County | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 93602 | 72682 | Stanley, Town of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 93604 | | Cramerton A.B.C. Board | 13.60% | | | | | |
| 93609 | | Partners Behavioral Health Management | 13.63% | | 0.03% | | | |
| 93610 | 71760 | Mcadenville, Town of | 13.64% | | 0.04% | | | |
| 93611 | 71040 | Gastonia, City of | 13.60% | 15.24% | 010170 | 0.14% | | |
| 93617 | | Gastonia A.B.C. Board | 13.80% | | 0.20% | | | |
| 93618 | | Gaston County Economic Dev Commission | 13.60% | | | | | |
| 93621 | 70150 | Belmont, City of | 13.60% | 15.24% | | 0.14% | | |
| 93623 | | Belmont Housing Authority | 13.60% | | | 0 | | |
| 93631 | 70640 | Cramerton, Town of | 13.74% | 15.24% | 0.14% | 0.14% | | |
| 93641 | 70520 | Cherryville, City of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 93647 | | Cherryville A.B.C. Board | 13.60% | | | | | 6/30/2023 |
| 93651 | 70705 | Dallas, Town of | 13.60% | 15.24% | | 0.14% | | |
| 93661 | 71655 | Lowell, City of | 13.60% | 15.24% | | 0.14% | | |
| 93671 | | Bessemer City, City of | 13.70% | 15.24% | 0.10% | 0.14% | | |
| 93681 | 72390 | Ranlo. Town of | 13.60% | 15.24% | | 0.14% | | |
| 93691 | 71930 | Mount Holly, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 93701 | 71050 | Gates County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 93704 | 71052 | Gates County A.B.C. Board | 13.80% | | 0.20% | | | |
| 93801 | 71085 | Graham County | 13.60% | 15.24% | | 0.14% | | |
| 93803 | | Graham Co Health Dept | 13.65% | | 0.05% | | | |
| 93806 | | Graham County Dept of S S | 13.63% | | 0.03% | | | |
| 93821 | | Robbinsville, Town of | 13.68% | | 0.08% | | | |
| 93901 | 71110 | Granville County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 93904 | - | Granville Co A.B.C. Bd | 13.74% | | 0.14% | | | |

| | | | Testel | Dete** | Death | | - | |
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| | | | lotal | Rate** | Death E | Benefit Rate | | Estimated Date of |
| | | | | | | | 12/31/2022 | Liguidation of |
| Employer | LEO Employer | | General | Law | General | Law | Unfunded Prior | Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | Service Liability* |
| 93906 | | Granville County Hospital | 13.63% | | 0.03% | | | |
| 93908 | | Granville-Vance Public Health | 13.63% | | 0.03% | | | |
| 93910 | | South Granville Water and Sewer Authority | 13.69% | | 0.09% | | | |
| 93911 | 72200 | Oxford, City of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 93913 | | Oxford Housing Authority | 13.66% | | 0.06% | | | |
| 93914 | | Stovall, Town of | 13.88% | | 0.28% | | | |
| 93921 | 70660 | Creedmoor, City of | 13.60% | 15.24% | | 0.14% | | |
| 93931 | | Butner, Town of | 13.69% | 15.24% | 0.09% | 0.14% | | |
| 94001 | 71130 | Greene County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 94002 | | Maury Sanitary Land District | 13.60% | | | | | |
| 94004 | | Greene County A.B.C. Board | 13.72% | | 0.12% | | | |
| 94005 | | Neuse Regional Library-Greene County | 13.64% | | 0.04% | | | |
| 94011 | | Hookerton, Town of | 13.62% | | 0.02% | | | |
| 94021 | | Snow Hill, Town of | 13.60% | 15.24% | | 0.14% | | |
| 94031 | | Walstonburg, Town of | 20.88% | | | | 36,975 | 9/30/2033 |
| 94101 | 71180 | Guilford County | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 94102 | | Guil-Rand Fire Department | 13.60% | | | | | |
| 94108 | | Pinecroft-Sedgefield Fire Dist Inc | 13.60% | | | | | |
| 94109 | | Alamance Community Fire District | 13.60% | | | | | |
| 94111 | 71140 | Greensboro, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 94112 | | Piedmont Triad Reg Water Auth | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 94117 | 71150 | Greensboro A.B.C. Bd | 13.66% | | 0.06% | | | |
| 94118 | | Guilford Fire District #13 Inc | 13.60% | | | | | |
| 94121 | 71340 | High Point, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 94127 | | High Point A.B.C. Bd | 13.67% | | 0.07% | | | |
| 94131 | 71442 | Jamestown, Town of | 13.64% | | 0.04% | | | |
| 94151 | 71060 | Gibsonville, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 94157 | | Gibsonville A.B.C. Board | 13.60% | | | | | |
| 94161 | | Oak Ridge, Town of | 13.60% | | | | | |
| 94168 | | Colfax Volunteer Fire Department | 13.60% | | | | | |
| 94171 | | Summerfield, Town of | 13.60% | | | | | |
| 94172 | | Summerfield Fire District | 13.63% | | 0.03% | | | |
| 94201 | 71200 | Halifax County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 94204 | | Halifax County A.B.C. Board | 13.66% | | 0.06% | | | |
| 94205 | | Halifax County Tourism Development Authority | 13.72% | | 0.12% | | | |
| 94209 | | Roanoke Rapids Sanitary District | 13.65% | | 0.05% | | | |
| 94211 | 70895 | Enfield, Town of | 13.72% | 15.24% | 0.12% | 0.14% | | |
| 94221 | 72440 | Roanoke Rapids, City of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 94231 | 73017 | Weldon, Town of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 94241 | 72590 | Scotland Neck, Town of | 13.72% | 15.24% | 0.12% | 0.14% | | |

Total Rate** **Death Benefit Rate** Estimated Date of 12/31/2022 Liquidation of LEO Employer General General Employer Law Law Unfunded Prior Prior Enforcement Code Code Employer Employees Enforcement Employees Service Liability Service Liability* 94251 Hobgood, Town of 13.66% 0.06% 94261 71615 Littleton, Town of 13.60% 15.24% 0.14% 94301 71230 Harnett County 13.64% 15.24% 0.04% 0.14% 94311 70760 Dunn, City of 13.66% 15.24% 0.06% 0.14% 94313 Dunn Housing Authority 13.70% 0.10% 94317 Dunn A.B.C. Board 13.70% 0.10% 94321 71585 Lillington, Town of 13.63% 15.24% 0.03% 0.14% 94331 70900 Erwin, Town of 13.67% 15.24% 0.07% 0.14% 94341 70570 Coats. Town of 15.24% 0.05% 0.14% 13.65% 94347 Angier A.B.C. Board 13.62% 0.02% 94351 70038 Angier, Town of 13.60% 15.24% 0.14% 94401 71250 Havwood County 13.64% 15.24% 0.04% 0.14% 94403 Haywood County Tourism Development Authority 13.60% 94408 Junaluska Sanitary District 13.66% 0.06% 94411 Waynesville, Town of 73010 13.66% 15.24% 0.06% 0.14% 94412 73015 Wavnesville A.B.C. Board 13.66% 0.06% 94415 Foothills Regional Airport Authority 13.60% Monroe-Union County Economic Development 94417 Commission 13.60% 94421 71685 Maggie Valley, Town of 13.60% 15.24% 0.14% 94427 Maggie Valley A.B.C. Board 13.60% 94428 Maggie Valley Sanitary Dist 13.60% 94431 70362 Canton, Town of 13.65% 15.24% 0.05% 0.14% 94437 Canton A.B.C. Board 18.48% 30,568 6/30/2027 Henderson County 94501 71275 13.64% 15.24% 0.04% 0.14% 94511 71280 Hendersonville, City of 13.63% 15.24% 0.03% 0.14% 94517 Hendersonville A.B.C. Bd 13.60% 94521 71525 15.24% 0.06% 0.14% Laurel Park, Town of 13.66% 94527 Laurel Park A.B.C. Board 13.67% 0.07% 94531 Flat Rock, Village of 13.60% 94532 70220 Blue Ridge Fire Department 13.63% 0.03% Stokesdale, Town of 94537 13.60% 94541 70943 Fletcher. Town of 13.60% 15.24% 0.14% 94547 Fletcher A.B.C. Board 13.60% 94551 Mills River. Town of 13.68% 0.08% 94601 71310 Hertford County 13.66% 15.24% 0.06% 0.14% 71320 Hertford County A.B.C. Board 0.10% 94604 13.70% 94611 70007 Ahoskie. Town of 13.66% 15.24% 0.06% 0.14% 71970 Murfreesboro, Town of 0.14% 94621 13.60% 15.24% 94631 73155 Winton. Town of 13.74% 0.14%

Appendix E: Detailed Table of Rates of Contributions Payable by Employers (continued)

13.60%

94641

Cofield, Town of

| | | | Totol | Rate** | Dooth F | Benefit Rate | | |
|----------|--------------|--|-----------|-------------|-----------|--------------|-------------------|------------------------------------|
| | | | Total | Kate | Death | Senent Kate | 12/31/2022 | Estimated Date o Liquidation of |
| Employer | LEO Employer | | General | Law | General | Law | Unfunded Prior | Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | Service Liability* |
| 94701 | 71370 | Hoke County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 94704 | | Hoke County A.B.C. Board | 13.68% | | 0.08% | | | |
| 94711 | 72355 | Raeford, Town of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 94801 | 71400 | Hyde County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 94804 | | Hyde County A.B.C. Board | 13.60% | | | | | |
| 94812 | | Ocracoke Sanitary Dist | 13.67% | | 0.07% | | | |
| 94901 | 71420 | Iredell County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 94908 | | Greater Statesville Development Corp | 13.60% | | | | | |
| 94911 | 72700 | Statesville, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 94917 | 72710 | Statesville A.B.C. Board | 13.71% | | 0.11% | | | |
| 94921 | 71850 | Mooresville, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 94923 | | Mooresville Housing Authority | 13.63% | | 0.03% | | | |
| 94927 | | Mooresville A.B.C. Board | 13.67% | | 0.07% | | | |
| 94931 | 72815 | Troutman, Town of | 13.70% | 15.24% | 0.10% | 0.14% | | |
| 94937 | | Troutman A.B.C. Board | 13.60% | | | | | |
| 94947 | | Valdese A.B.C. Board | 13.60% | | | | | |
| 95001 | 71430 | Jackson County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 95002 | | Tuckaseigee Water Authority | 13.66% | | 0.06% | | | |
| 95005 | | Fontana Regional Library | 13.68% | | 0.08% | | | |
| 95008 | | Southwestern NC Planning & Econ Dev Comm | 13.64% | | 0.04% | | | |
| 95009 | | Vaya Health | 13.63% | | 0.03% | | | |
| 95010 | | Jackson County Tourism Development Authority | 13.60% | | | | | |
| 95011 | 72750 | Sylva, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 95017 | | Jackson County A.B.C. Board | 13.67% | | 0.07% | | | |
| 95101 | 71460 | Johnston County | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 95103 | | Benson Housing Authority | 17.53% | | | | 147,895 | 12/31/2036 |
| 95104 | | Johnston County A.B.C. Board | 13.69% | | 0.09% | | | |
| 95105 | | Public Library of Johnston Co and Smithfield | 13.62% | | 0.02% | | | |
| 95106 | | Archer Lodge, Town of | 13.77% | | 0.17% | | 1,673 | 6/30/2024 |
| 95110 | | Johnston Health Center | 13.68% | | 0.08% | | | |
| 95111 | 72630 | Smithfield, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 95113 | | Smithfield Housing Authority | 13.60% | | | | | 6/30/2023 |
| 95121 | 72594 | Selma, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 95122 | | Micro, Town of | 13.60% | 17.71% | | 0.14% | 11,236 | 6/30/2029 |
| 95123 | | Selma Housing Authority | 13.63% | | 0.03% | | | |
| 95131 | 70540 | Clayton, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 95141 | 70170 | Benson, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 95151 | 70954 | Four Oaks, Town of | 13.60% | 15.24% | | 0.14% | | |
| 95161 | 72295 | Pine Level, Town of | 13.60% | 15.24% | | 0.14% | | |
| 95171 | 71472 | Kenly, Town of | 13.60% | | | | | |

| | | | Total | Rate** | Death E | Benefit Rate | 12/31/2022 | Estimated Date of Liquidation of |
|----------|--------------|-------------------------------------|-----------|-------------|-----------|--------------|-------------------|-------------------------------------|
| Employer | LEO Employer | | General | Law | General | Law | Unfunded Prior | Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | Service Liability* |
| 95181 | 72349 | Princeton, Town of | 13.60% | 15.24% | | 0.14% | | |
| 95191 | | Wilson's Mills, Town of | 13.60% | 15.24% | | 0.14% | | |
| 95201 | 71465 | Jones County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 95204 | | Jones County A.B.C. Board | 13.94% | | 0.34% | | | |
| 95205 | | Neuse Regional Library-Jones County | 13.63% | | 0.03% | | | |
| 95211 | | Pollocksville, Town of | 14.07% | | 0.47% | | | |
| 95221 | 71745 | Maysville, Town of | 13.60% | 15.24% | | 0.14% | | |
| 95301 | 71535 | Lee County | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 95311 | 72565 | Sanford,City of | 13.60% | 15.24% | | 0.14% | | |
| 95317 | | Sanford A.B.C. Board | 13.71% | | 0.11% | | | |
| 95321 | 70265 | Broadway, Town of | 13.69% | 15.24% | 0.09% | 0.14% | | |
| 95401 | 71550 | Lenoir County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 95404 | | Lenoir County A.B.C. Board | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 95405 | | Neuse Regional Library | 13.65% | | 0.05% | | | |
| 95411 | 71500 | Kinston, City of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 95413 | | Kinston Housing Authority | 13.65% | | 0.05% | | | |
| 95415 | | Kinston-Lenoir Co Pub Library | 13.69% | | 0.09% | | | |
| 95421 | 72305 | Pink Hill, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 95431 | 71517 | Lagrange, Town of | 13.64% | | 0.04% | | | |
| 95501 | 71590 | Lincoln County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 95504 | | Lincoln County A.B.C. Board | 13.60% | | | | | 6/30/2023 |
| 95511 | 71600 | Lincolnton, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 95513 | | Lincolnton Housing Authority | 13.68% | | 0.08% | | | |
| 95517 | | Lincolnton A.B.C. Board | 13.75% | | 0.15% | | | |
| 95601 | 71680 | Macon County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 95611 | 70955 | Franklin, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 95617 | | Highlands A.B.C. Board | 13.81% | | 0.21% | | | |
| 95621 | 71335 | Highlands, Town of | 13.60% | 15.24% | | 0.14% | | |
| 95701 | 71684 | Madison County | 13.68% | 15.24% | 0.08% | 0.14% | | |
| 95711 | 71718 | Mars Hill, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 95721 | 71711 | Marshall, Town of | 13.71% | 15.24% | 0.11% | 0.14% | | |
| 95733 | | Hot Springs Housing Authority | 13.60% | | | | | |
| 95801 | 71730 | Martin County | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 95802 | | Martin Co Travel & Tourism Auth | 13.63% | | 0.03% | | | |
| 95804 | | Martin County A.B.C. Board | 13.64% | | 0.04% | | | |
| 95811 | 73080 | Williamston, Town of | 13.60% | 15.24% | | 0.14% | | |
| 95813 | | Williamston Housing Authority | 13.69% | | 0.09% | | | |
| 95821 | | Oak City, Town of | 13.60% | | | | | |
| 95831 | | Hamilton, Town of | 13.68% | | 0.08% | | | |
| 95841 | | Jamesville, Town of | 13.60% | | | | | |

| | | | Total | Rate** | Death E | Benefit Rate | | |
|------------------|----------------------|--|----------------------|--------------------|----------------------|--------------------|---|--|
| Employer Code | LEO Employer Code | r Employer | General Employees | Law Enforcement | General Employees | Law Enforcement | 12/31/2022 Unfunded Prior Service Liability | Estimated Date of Liquidation of Prior Service Liability* |
| 95851 | 72445 | Robersonville, Town of | 13.60% | 15.24% | Employeee | 0.14% | oor noo Erability | connoc Elability |
| 95853 | | Robersonville Authority | 13.60% | | | 0 | | |
| 95901 | 71762 | McDowell County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 95908 | | Pleasant Garden Fire Dept | 13.60% | | 010070 | 0 | | |
| 95911 | 71710 | Marion, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 95917 | | Marion A.B.C. Board | 13.60% | 1012170 | 010070 | 0.1.1/0 | | |
| 95921 | 72140 | Old Fort, Town of | 13.60% | 15.24% | | 0.14% | | |
| 96001 | 71770 | Mecklenburg County | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 96003 | | Charlotte Housing Authority | 13.60% | 10.2170 | 0.0070 | 0.1170 | | |
| 96004 | 71780 | Mecklenburg County A.B.C. Board | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 96005 | | Charlotte Mecklenburg Public Library | 13.63% | .012170 | 0.03% | 0 | | |
| 96008 | | Mecklenburg Emer Med Svcs Agcy | 13.62% | | 0.02% | | | |
| 96009 | | Centralina Council Of Governments | 13.60% | | 010270 | | | |
| 96011 | 70480 | Charlotte, City of | 13.60% | 15.24% | | 0.14% | | |
| 96012 | | Charlotte Regional Visitors Authority | 13.60% | | | 0 | | |
| 96018 | | Charlotte Firemen's Ret Sys | 13.60% | | | | | |
| 96021 | 72300 | Pineville, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 96031 | 71775 | Mint Hill, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 96041 | 71397 | Huntersville, Town of | 13.60% | 15.24% | | 0.14% | | |
| 96051 | 70625 | Cornelius, Town of | 13.60% | 15.24% | | 0.14% | | |
| 96061 | 72679 | Stallings, Town of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 96071 | 71740 | Matthews, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 96081 | 70724 | Davidson, Town of | 13.68% | 15.24% | 0.08% | 0.14% | | |
| 96101 | 71788 | Mitchell County | 13.73% | 15.24% | 0.13% | 0.14% | | |
| 96102 | | Mitchell Soil & Water Conservation Dist | 13.60% | | | | | |
| 96111 | 72678 | Spruce Pine, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 96121 | 70105 | Bakersville, Town of | 13.60% | 15.24% | | 0.14% | | |
| 96201 | 71815 | Montgomery County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 96204 | | Montgomery-Municipal A.B.C. Board | 13.70% | | 0.10% | | | |
| 96211 | 72685 | Star, Town of | 13.60% | 15.24% | | 0.14% | | |
| 96221 | 72822 | Troy, Town of | 13.60% | 15.24% | | 0.14% | | |
| 96231 | 70192 | Biscoe, Town of | 13.60% | 15.24% | | 0.14% | | |
| 96241 | 70360 | Candor, Town of | 13.60% | 15.24% | | 0.14% | | |
| 96251 | 71920 | Mount Gilead, Town of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 96301 | 71830 | Moore County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 96302 | 72776 | Taylortown, Town of | 13.60% | 15.24% | | 0.14% | | |
| 96304 | 71840 | Moore County A.B.C. Board | 13.67% | | 0.07% | | | |
| 96305 | | Moore County Tourism Development Authority | 13.68% | | 0.08% | | | |
| 96310 | | Moore County Airport Authority | 13.69% | | 0.09% | | | |
| 96311 | 72640 | Southern Pines, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |

| | | | Total | Rate** | Death E | Senefit Rate | | | |
|----------|--------------|---|-----------|-------------|-----------|--------------|-------------------|-------------------------------------|--|
| | | | | | | | 12/31/2022 | Estimated Date of Liquidation of | |
| Employer | LEO Employer | | General | Law | General | Law | Unfunded Prior | Prior | |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | | |
| 96312 | 70358 | Cameron, Town of | 13.60% | | | | | | |
| 96318 | | Sandhills Center | 13.60% | | | | | | |
| 96321 | 72920 | Vass, Town of | 13.68% | 15.24% | 0.08% | 0.14% | | | |
| 96331 | 70005 | Aberdeen, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | | |
| 96341 | 72443 | Robbins, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 96351 | 72287 | Pinehurst, Village of | 13.64% | 15.24% | 0.04% | 0.14% | | | |
| 96361 | 72285 | Pinebluff, Town of | 13.70% | 15.24% | 0.10% | 0.14% | | | |
| 96371 | 73040 | Whispering Pines, Village of | 13.65% | 15.24% | 0.05% | 0.14% | | | |
| 96381 | 70953 | Foxfire Village | 13.68% | 15.24% | 0.08% | 0.14% | | | |
| 96391 | 70390 | Carthage, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 96401 | 71990 | Nash County | 13.63% | 15.24% | 0.03% | 0.14% | | | |
| 96404 | 72000 | Nash County A.B.C. Board | 13.69% | 15.24% | 0.09% | 0.14% | | | |
| 96405 | | Braswell Memorial Library | 13.60% | | | | | | |
| 96411 | 72675 | Spring Hope, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 96421 | 71995 | Nashville, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | | |
| 96431 | 71785 | Middlesex, Town of | 13.71% | 15.24% | 0.11% | 0.14% | | | |
| 96441 | 73045 | Whitakers, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 96451 | 70104 | Bailey, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 96461 | 72600 | Sharpsburg, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 96501 | 72030 | New Hanover County | 13.63% | 15.24% | 0.03% | 0.14% | | | |
| 96502 | 72024 | New Hanover Airport Auth | 13.65% | | 0.05% | | | | |
| 96503 | | Wilmington Housing Authority | 13.60% | | | | 267,313 | 6/30/2024 | |
| 96504 | | New Hanover County A.B.C. Board | 13.77% | | 0.17% | | , | | |
| 96507 | | Cape Fear Public Utility Authority | 13.60% | | | | | | |
| 96508 | | Lower Cape Fear Water & Sewer Auth | 13.67% | | 0.07% | | | | |
| 96511 | 73165 | Wrightsville Beach, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | | |
| 96512 | | Cape Fear Public Transportation Authority | 13.60% | | | | | | |
| 96521 | 70375 | Carolina Beach, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 96531 | 73090 | Wilmington, City of | 13.60% | 15.24% | | 0.14% | | | |
| 96541 | 71515 | Kure Beach, Town of | 13.72% | 15.24% | 0.12% | 0.14% | | | |
| 96601 | 72060 | Northampton County | 13.65% | 15.24% | 0.05% | 0.14% | | | |
| 96604 | | Northampton County A.B.C. Board | 13.88% | | 0.28% | | | | |
| 96611 | 72432 | Rich Square, Town of | 13.60% | | | | | | |
| 96612 | | Choanoke Public Transportation Auth | 13.60% | | | | | | |
| 96621 | 73162 | Woodland, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 96631 | 71020 | Garysburg, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 96641 | 70620 | Conway, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 96651 | 71032 | Gaston, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 96661 | 71435 | Jackson, Town of | 13.60% | | | | | | |
| 96671 | 72595 | Severn, Town of | 13.60% | | | | | | |

| | | | Tota | I Rate** | Death F | Benefit Rate | | |
|----------|-------------|---|-----------|-------------|-----------|--------------|------------------------------|--|
| Employer | LEO Employe | r | General | Law | General | Law | 12/31/2022 Unfunded Prior | Estimated Date of Liquidation of Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | |
| 96681 | 72591 | Seaboard, Town | 18.31% | | | | 21,907 | 12/31/2025 |
| 96701 | 72150 | Onslow County | 13.64% | 15.24% | 0.04% | 0.14% | , | |
| 96704 | 72160 | Onslow County A.B.C. Board | 13.67% | 1012170 | 0.07% | 011 1/0 | | |
| 96708 | 12100 | Onslow Water & Sewer Authority | 14.91% | | 0.09% | | 384,243 | 6/30/2028 |
| 96711 | 71440 | Jacksonville, City of | 13.65% | 15.24% | 0.05% | 0.14% | 00.1,2.10 | 0,00,2020 |
| 96721 | 72745 | Swansboro, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 96722 | | Swepsonville, Town of | 13.65% | | 0.05% | | | |
| 96731 | 71380 | Holly Ridge, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 96741 | 72420 | Richlands, Town of | 13.60% | 15.24% | | 0.14% | | |
| 96751 | 72789 | North Topsail Beach, Town of | 13.71% | 15.24% | 0.11% | 0.14% | | |
| 96801 | 72170 | Orange County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 96804 | | Orange County A.B.C. Board | 13.64% | | 0.04% | | | |
| 96808 | | Orange Water and Sewer Authority | 13.63% | | 0.03% | | | |
| 96811 | 70470 | Chapel Hill, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 96821 | 70372 | Carrboro, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 96831 | 71360 | Hillsborough, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 96901 | 72210 | Pamlico County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 96911 | | Bayboro, Town of | 13.60% | | | | | |
| 96912 | 72195 | Oriental, Town of | 13.60% | 15.24% | | 0.14% | | |
| 96918 | | Bay River Metro Sewerage District | 13.67% | | 0.07% | | | |
| 97001 | 72220 | Pasquotank County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 97002 | | Pasquotank-Camden Ambulance Service | 13.63% | | 0.03% | | | |
| 97004 | | Pasquotank Co A.B.C. Board | 13.64% | | 0.04% | | | |
| 97005 | | East Albemarle Regional Library | 13.67% | | 0.07% | | | |
| 97008 | | Albemarle District Jail Commission | 13.60% | | | | | |
| 97011 | 70840 | Elizabeth City | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 97012 | | Elizabeth City-Pasquotank Co Airport Auth | 13.60% | | | | | |
| 97013 | | Elizabeth City Pasquotank County TDA | 15.87% | | | | 25,029 | 6/30/2029 |
| 97015 | | Pasquotank-Camden Library | 13.68% | | 0.08% | | | |
| 97018 | | Elizabeth City-Pasquotank Co Industrial Development | 13.73% | | 0.13% | | | |
| 97101 | 72235 | Pender County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 97104 | | Pender County A.B.C. Board | 13.68% | | 0.08% | | | |
| 97111 | 70300 | Burgaw, Town of | 13.60% | 15.24% | | 0.14% | | |
| 97121 | 72790 | Topsail Beach, Town of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 97131 | 72725 | Surf City, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 97201 | 72245 | Perquimans County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 97211 | 71300 | Hertford, Town of | 13.67% | | 0.07% | | | |
| 97213 | | Hertford Housing Auth | 13.60% | | | | | |
| 97217 | 71305 | Hertford A.B.C. Board | 13.71% | | 0.11% | | | |
| 97221 | 73124 | Winfall, Town of | 13.60% | | | | | |

| | | | | Detett | Death Benefit Rate | | | |
|----------|--------------|--------------------------------------|-----------|-------------|--------------------|-------------|-------------------|-------------------------------------|
| | | | | Rate** | | | 12/31/2022 | Estimated Date of Liquidation of |
| Employer | LEO Employer | | General | Law | General | Law | Unfunded Prior | Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | Service Liability* |
| 97301 | 72250 | Person County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 97302 | | Roxboro Housing Authority | 13.60% | | | | | |
| 97304 | | Person Co A.B.C. Bd | 13.75% | | 0.15% | | | |
| 97311 | 72520 | Roxboro, City of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 97401 | 72310 | Pitt County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 97402 | | Pitt-Greenville Conv & Visitors | 13.60% | | | | | |
| 97404 | 72320 | Pitt County A.B.C. Board | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 97405 | | Sheppard Memorial Library | 13.67% | | 0.07% | | | |
| 97408 | | Contennea Metropolitan Sewerage Dist | 13.65% | | 0.05% | | | |
| 97411 | 71160 | Greenville, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 97412 | | Greenville Utilities Commission | 13.63% | | 0.03% | | | |
| 97413 | | Greenville Housing Authority | 13.65% | | 0.05% | | | |
| 97421 | 70930 | Farmville, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 97423 | | Farmville Housing Authority | 20.54% | | | | 53,444 | 6/30/2025 |
| 97431 | 71170 | Grifton, Town of | 13.69% | 15.24% | 0.09% | 0.14% | | |
| 97441 | 70157 | Bethel, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 97451 | 73150 | Winterville, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 97461 | 70100 | Ayden, Town of | 13.60% | 15.24% | | 0.14% | | |
| 97471 | | Grimesland, Town of | 13.65% | | 0.05% | | | |
| 97481 | 72626 | Simpson, Village of | 13.60% | | | | | |
| 97501 | 72340 | Polk County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 97511 | 72823 | Tryon, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 97517 | | Tryon A.B.C. Board | 13.63% | | 0.03% | | | |
| 97521 | 70581 | Columbus, Town of | 13.60% | 15.24% | | 0.14% | | |
| 97527 | | Columbus A.B.C. Board | 13.60% | | | | | |
| 97531 | 72560 | Saluda, City of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 97601 | 72380 | Randolph County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 97607 | | Asheboro A.B.C. Board | 13.60% | | | | | |
| 97611 | 70064 | Asheboro, City of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 97613 | | Asheboro Housing Authority | 13.67% | | 0.07% | | | |
| 97621 | 72377 | Randleman, City of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 97623 | | Randleman Housing Authority | 13.67% | | 0.07% | | | |
| 97627 | | Randleman A.B.C. Board | 13.68% | | 0.08% | | | |
| 97631 | 71582 | Liberty, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 97637 | | Liberty A.B.C. Board | 13.60% | | | | | |
| 97641 | 72375 | Ramseur, Town of | 13.60% | 15.24% | | 0.14% | | |
| 97651 | 70063 | Archdale, City of | 13.69% | 15.24% | 0.09% | 0.14% | | |
| 97661 | | Trinity, City of | 13.60% | | 0.0070 | 0 | | |
| 97701 | 72430 | Richmond County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 97705 | 12100 | Sandhill Regional Library | 13.66% | 10.2170 | 0.06% | 0.1170 | | |

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|----------|--------------|-------------------------------------|-----------|-------------|-----------|--------------|-------------------|-------------------------------------|
| | | | Total | Rate** | Death E | Benefit Rate | 12/31/2022 | Estimated Date of Liquidation of |
| Employer | LEO Employer | | General | Law | General | Law | Unfunded Prior | Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | |
| 97711 | 72460 | Rockingham, City of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 97713 | | Rockingham Authority | 13.63% | | 0.03% | | | |
| 97717 | | Hamlet A.B.C. Board | 13.67% | | 0.07% | | | |
| 97721 | 71220 | Hamlet, City of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 97727 | | Rockingham A.B.C. Board | 13.67% | | 0.07% | | | |
| 97731 | | Ellerbe, Town of | 13.60% | | | | | |
| 97801 | 72450 | Robeson County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 97802 | | Lumber River Council of Governments | 13.65% | | 0.05% | | | |
| 97803 | | Robeson County Housing Authority | 13.69% | | 0.09% | | | |
| 97805 | | Robeson County Public Library | 13.67% | | 0.07% | | | |
| 97811 | 71670 | Lumberton, City of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 97817 | | Lumberton A.B.C. Board | 13.60% | | | | | |
| 97818 | | Lumberton Airport Comm | 13.60% | | | | | |
| 97821 | 70910 | Fairmont, Town of | 13.73% | 15.24% | 0.13% | 0.14% | | |
| 97823 | | Fairmont Housing Authority | 13.66% | | 0.06% | | | |
| 97831 | 72540 | St Paul's, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 97837 | | St Paul's Brd of Alcoholic CTL | 13.60% | | | | | |
| 97840 | 71750 | Maxton, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | 6/30/2023 |
| 97841 | | Parkton, Town of | 15.65% | 17.29% | | 0.14% | 20,152 | 9/30/2035 |
| 97847 | | Maxton A.B.C. Board | 13.79% | | 0.19% | | | |
| 97851 | 72228 | Pembroke, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 97853 | | Pembroke Housing Authority | 13.60% | | | | | |
| 97861 | 72510 | Rowland, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 97871 | 72395 | Red Springs, Town of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 97877 | | Red Springs A.B.C. Board | 13.60% | | | | | |
| 97901 | 72470 | Rockingham County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 97911 | 72400 | Reidsville, City of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 97913 | | New Reidsville Housing Auth | 13.69% | | 0.09% | | | |
| 97917 | | Reidsville A.B.C. Board | 13.66% | | 0.06% | | | |
| 97921 | 71755 | Mayodan, Town of | 13.70% | 15.24% | 0.10% | 0.14% | | |
| 97931 | 72721 | Stoneville, Town of | 13.60% | 15.24% | | 0.14% | | |
| 97941 | 71683 | Madison, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 97947 | | Madison A.B.C. Board | 13.60% | | | | | |
| 97948 | | Madison-Mayodan Recreation Comm | 13.60% | | | | | |
| 97951 | 70815 | Eden, City of | 13.60% | 15.24% | | 0.14% | | |
| 97957 | | Eden A.B.C. Board | 13.60% | | | | | |
| 98001 | 72490 | Rowan County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 98002 | | Rowan Convention & Visitors Bureau | 13.60% | | | | 102 | 6/30/2024 |
| 98003 | | Rowan Co Housing Authority | 13.60% | | | | | |
| 98004 | 72500 | Rowan County A.B.C. Board | 13.69% | | 0.09% | | | |

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|----------|--------------|---|-----------|-------------|-----------|--------------|------------------------------|--|
| | | | Total | Rate** | Death E | Benefit Rate | | |
| Employer | LEO Employer | | General | Law | General | Law | 12/31/2022 Unfunded Prior | Estimated Date of Liquidation of Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | |
| 98008 | | Rowan Co Soil & Water Conv Dist | 13.60% | | | | | 6/30/2023 |
| 98011 | 72550 | Salisbury, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 98013 | | Salisbury Housing Authority | 13.60% | | | | | |
| 98021 | 70812 | East Spencer, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 98023 | | East Spencer Housing Authority | 13.63% | | 0.03% | | | |
| 98031 | 72665 | Spencer, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 98041 | 70522 | China Grove, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 98051 | 71522 | Landis, Town of | 13.60% | 15.24% | | 0.14% | | |
| 98061 | 71105 | Granite Quarry, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 98071 | 72475 | Rockwell, Town of | 13.60% | 15.24% | | 0.14% | | |
| 98081 | | Faith, Town of | 13.60% | | | | | |
| 98091 | 70552 | Cleveland, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 98101 | 72530 | Rutherford County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 98102 | | Broad River Water Authority | 13.63% | | 0.03% | | | |
| 98103 | | Rutherford Polk McDowell Dist Brd of Health | 13.63% | | 0.03% | | | |
| 98107 | | Forest City A.B.C. Board 168 | 13.60% | | | | | |
| 98109 | | Isothermal Planning and Dev Comm | 13.65% | | 0.05% | | | |
| 98111 | 70950 | Forest City, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 98113 | | Forest City Housing Authority | 13.60% | | | | | |
| 98121 | 72670 | Spindale, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 98131 | 71518 | Lake Lure, Town of | 13.60% | 15.24% | | 0.14% | | |
| 98141 | 72535 | Rutherfordton, Town of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 98147 | | Rutherfordton A.B.C. Board | 13.60% | | | | | |
| 98161 | | Ellenboro, Town of | 13.60% | | | | | |
| 98201 | 72563 | Sampson County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 98205 | | J C Holiday Mem Library | 13.63% | | 0.03% | | | |
| 98211 | 70555 | Clinton, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 98218 | | Clinton A.B.C. Board | 13.72% | | 0.12% | | | |
| 98221 | 72547 | Salemburg, Town of | 13.65% | | 0.05% | | | |
| 98231 | 72050 | Newton Grove, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 98237 | | Roseboro A.B.C. Board | 13.60% | | | | | |
| 98241 | 71000 | Garland, Town of | 13.76% | | 0.16% | | | |
| 98251 | | Turkey, Town of | 13.74% | | 0.14% | | | |
| 98261 | 72486 | Roseboro, Town of | 13.67% | | 0.07% | | | |
| 98271 | | Autryville, Town of | 13.63% | | 0.03% | | | |
| 98301 | 72580 | Scotland County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 98304 | | Scotland County A.B.C. Board | 13.67% | | 0.07% | | | |
| 98308 | | Laurinburg-Maxton Airport Commission | 13.60% | | | | | |
| 98311 | 71530 | Laurinburg, City of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 98313 | | Laurinburg Housing Authority | 20.33% | | 0.08% | | 452,487 | 12/31/2026 |

| | | | T | Detet* | Death | | | |
|----------|--------------|---------------------------------------|-----------|-------------|-----------|--------------|-------------------|-------------------------------------|
| | | | Total | Rate** | Death B | Benefit Rate | 12/31/2022 | Estimated Date of Liquidation of |
| Employer | LEO Employer | | General | Law | General | Law | Unfunded Prior | Prior |
| Code | Code | Employer | Employees | Enforcement | Employees | Enforcement | Service Liability | Service Liability* |
| 98321 | 72935 | Wagram, Town of | 13.71% | 15.24% | 0.11% | 0.14% | | |
| 98331 | 71051 | Gibson, Town of | 15.19% | | | | 1,228 | 3/31/2025 |
| 98401 | 72683 | Stanly County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 98404 | | Locust A.B.C. Board | 13.60% | | | | | |
| 98411 | 70030 | Albemarle, City of | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 98414 | 71786 | Misenheimer, Village of | 13.80% | 15.24% | 0.20% | 0.14% | | |
| 98417 | | Albemarle A.B.C. Board | 13.60% | | | | | |
| 98421 | 72110 | Norwood, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 98427 | | Norwood A.B.C. Bd | 13.60% | | | | | |
| 98431 | 71620 | Locust, City of | 13.60% | 15.24% | | 0.14% | | |
| 98441 | 72120 | Oakboro, Town of | 13.60% | 15.24% | | 0.14% | | |
| 98451 | 70103 | Badin, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 98471 | | New London, Town of | 13.60% | | | | | |
| 98481 | 72680 | Stanfield, Town of | 13.60% | 15.24% | | 0.14% | | |
| 98501 | 72720 | Stokes County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 98511 | 72975 | Walnut Cove, Town of | 13.64% | | 0.04% | | | |
| 98517 | | Walnut Cove A.B.C. Board | 13.60% | | | | | |
| 98521 | 71487 | King, City of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 98601 | 72730 | Surry County | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 98604 | | Yadkin Valley A.B.C. Board | 13.60% | | | | | |
| 98607 | | Pilot Mountain A.B.C. Board | 13.60% | | | | | |
| 98608 | | Yadkin Valley Sewer Authority | 13.60% | | | | | |
| 98611 | 72280 | Pilot Mountain, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 98621 | 70735 | Dobson, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 98627 | | Dobson A.B.C. Bd | 13.60% | | 0.0070 | 0.1.70 | | |
| 98631 | 71910 | Mount Airy, City of | 13.74% | 15.24% | 0.14% | 0.14% | | |
| 98637 | 11010 | Mount Airy Alcoholic Board of Control | 13.68% | 10.2170 | 0.08% | 0.1170 | | |
| 98641 | 70855 | Elkin, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 98701 | 72740 | Swain County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 98711 | 70285 | Bryson City, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 98717 | 10200 | Bryson City A.B.C. Board | 13.68% | 10.2170 | 0.08% | 0.1170 | | |
| 98801 | 72800 | Transylvania County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 98811 | 70260 | Brevard, City of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 98817 | , 5200 | Brevard A.B.C. Board | 13.60% | 10.2770 | 0.0070 | 0.1770 | | |
| 98901 | 72825 | Tyrrell County | 13.68% | 15.24% | 0.08% | 0.14% | | |
| 98904 | 020 | Tyrrell Co A.B.C. Board | 13.68% | | 0.08% | 0.1170 | | |
| 98911 | | Columbia, Town of | 13.60% | | 0.0070 | | | |
| 99001 | 72830 | Union County | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 99011 | 71800 | Monroe, City of | 13.64% | 15.24% | 0.03% | 0.14% | | |
| 99013 | 71000 | Monroe Housing Authority | 13.64% | 10.2770 | 0.04% | 0.1770 | | |
| 99013 | | womoe nousing Autionty | 13.04% | | 0.04% | | | |

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|------------------|----------------------|---|----------------------|-------------------------|----------------------|--------------------|------------------------------|--|
| | | | Total | Rate** | Death E | Benefit Rate | | Estimated Date of Liquidation of Prior Service Liability* |
| Employer Code | LEO Employer Code | Employer | General Employees | Law Enforcement | General Employees | Law Enforcement | 12/31/2022 Unfunded Prior | |
| 99014 | Code | Indian Trail A.B.C. Board | 15.42% | Emorcement | 0.10% | Emorcement | 35,584 | 6/30/2039 |
| | | | | | 0.10% | | 35,564 | 0/30/2039 |
| 99017 99021 | 71720 | Monroe A.B.C. Board Marshville, Town of | 13.69% 13.66% | 15.24% | | 0.14% | | |
| | /1/20 | | | 15.24% | 0.06% | 0.14% | 54 400 | 0/00/0004 |
| 99022 99031 | 73125 | Mineral Springs, Town of | 18.30% 13.68% | 45 040/ | 0.08% | 0 1 40/ | 51,136 | 9/30/2034 |
| 99031 | 73125 | Wingate, Town of Waxhaw, Town of | 13.64% | <u>15.24%</u> 15.24% | 0.08% | 0.14% | | |
| 99041 99047 | 72995 | | | 15.24% | 0.04% | 0.14% | | |
| | | Waxhaw A.B.C. Board | 13.60% | | 0.000/ | | | |
| 99051 | | Indian Trail, Town of | 13.63% | | 0.03% | | | |
| 99061 | | Unionville, Town of | 13.60% | | 0.400/ | | 00 505 | 0/04/0000 |
| 99071 | | Weddington, Town of | 16.71% | | 0.10% | | 26,525 | 3/31/2029 |
| 99081 | | Marvin, Village of | 13.60% | | | | | |
| 99091 | 70000 | Wesley Chapel, Village of | 13.60% | 15 0 10/ | 0.050/ | 0.4.40/ | | |
| 99101 | 72890 | Vance County | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 99104 | | Vance County A.B.C. Bd | 13.60% | | 0.040/ | | | |
| 99109 | | Kerr-Tar Regional Council of Govts | 13.64% | | 0.04% | | | |
| 99110 | | Kerr Area Transportation Authority | 13.60% | | | | | |
| 99111 | 71270 | Henderson, City of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 99201 | 72940 | Wake County | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 99202 | 71385 | Holly Springs, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 99203 | 72485 | Rolesville, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 99204 | 72950 | Wake County A.B.C. Board | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 99206 | 71882 | Morrisville, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 99207 | | Wake County Housing Authority | 24.01% | | | | 1,049,184 | 6/30/2032 |
| 99208 | | Bayleaf Fire Department | 13.60% | | | | | |
| 99210 | | Electricities of NC | 13.60% | | | | | |
| 99211 | 72360 | Raleigh, City of | 13.60% | 15.24% | | 0.14% | | |
| 99212 | | Durham Hwy Fire Protection Assoc | 13.60% | | | | | |
| 99213 | | Raleigh Housing Authority | 13.65% | | 0.05% | | | |
| 99218 | 72370 | Raleigh-Durham Airport Authority | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 99219 | | Lincolnton-Lincoln County Airport Authority | 13.60% | | | | | |
| 99221 | 70400 | Cary, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 99222 | | Centennial Authority | 13.63% | | 0.03% | | | |
| 99231 | 73020 | Wendell, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 99241 | 73210 | Zebulon, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 99251 | 71010 | Garner, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 99252 | | Garner Fire Dept | 13.62% | | 0.02% | | | |
| 99261 | 70990 | Fuquay-Varina, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 99271 | 70050 | Apex, Town of | 13.63% | 15.24% | 0.03% | 0.14% | | |
| 99281 | 72960 | Wake Forest, Town of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 99291 | 71510 | Knightdale, Town of | 13.62% | 15.24% | 0.02% | 0.14% | | |

| | | | Total | Rate** | Doath F | Benefit Rate | | |
|------------------|----------------------|--|----------------------|--------------------|----------------------|--------------------|---|-------------------------|
| | | | Iotai | Naus | Dealm | | | Estimated Date of |
| Employer Code | LEO Employer Code | Employer | General Employees | Law Enforcement | General Employees | Law Enforcement | 12/31/2022 Unfunded Prior Service Liability | Liquidation of Prior |
| 99301 | 72980 | Warren County | 13.66% | 15.24% | 0.06% | 0.14% | | |
| 99304 | 72979 | Warren County A.B.C. Board | 13.60% | 10.2170 | 0.0070 | 0.1170 | | |
| 99311 | 72055 | Norlina, Town of | 13.60% | 15.24% | | 0.14% | | |
| 99321 | 72991 | Warrenton, Town of | 20.45% | 22.09% | | 0.14% | 519,054 | 6/30/2032 |
| 99401 | 72985 | Washington County | 13.67% | 15.24% | 0.07% | 0.14% | 010,004 | 0/00/2002 |
| 99404 | 12303 | Washington County A.B.C. Board | 13.71% | 13.2470 | 0.11% | 0.1470 | | |
| 99405 | | Pettigrew Regional Library | 13.67% | | 0.07% | | | |
| 99411 | 72335 | Plymouth, Town of | 13.67% | 15.24% | 0.07% | 0.14% | | |
| 99411 | 72555 | Plymouth Housing Authority | 13.67% | 15.24 /0 | 0.07% | 0.14 /0 | | |
| 99421 | | Roper, Town of | 13.60% | | 0.07 /8 | | | |
| 99421 | | Creswell, Town of | 13.65% | | 0.05% | | | |
| 99501 | 72983 | Watauga County | 13.68% | 15.24% | 0.03% | 0.14% | | |
| 99502 | 12903 | Region D Council of Governments | 13.60% | 15.24 /0 | 0.00 % | 0.14 /0 | | |
| 99502 99508 | | Blowing Rock Tourism Development Authority | 13.60% | | | | | |
| 99508 99509 | | Watauga County District Tourism Dev Auth | 13.60% | | | | | |
| 99509 | 70240 | Boone, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 99511 99521 | 70240 | Blowing Rock, Town of | 13.63% | 15.24% | 0.05% | 0.14% | | |
| 99521 99527 | 70220 | Blowing Rock A.B.C. Board | 13.60% | 15.24% | 0.03% | 0.14% | | |
| 99527 99531 | 72596 | Seven Devils, Town of | 18.58% | 20.22% | | 0.14% | 105 776 | 6/20/2026 |
| 99531 99601 | 72997 | Wayne County | 13.65% | 15.24% | 0.05% | 0.14% | 125,776 | 6/30/2026 |
| 99601 | 12991 | Fork Township Sanitary Dist | 13.63% | 15.24% | 0.03% | 0.14% | | |
| | | | | | 0.03% | | | |
| 99603 99604 | | Eastern Carolina Reg'l Housing Auth | 13.60% | 45 0 40/ | 0.400/ | 0.4.40/ | | |
| | | Wayne County A.B.C. Board | 13.70% | 15.24% | 0.10% | 0.14% | | |
| 99609 | 70505 | Southern Wayne Sanitary District | 13.63% | | 0.03% | | | |
| 99610 | 70505 | Eastern Wayne Sanitary Dist | 13.71% | 45.040/ | 0.11% | 0.4.40/ | | |
| 99611 | 71070 | Goldsboro, City of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 99613 | 74040 | Goldsboro Housing Authority | 13.64% | 45.040/ | 0.04% | 0.4.40/ | | |
| 99621 | 71940 | Mount Olive, Town of | 13.60% | 15.24% | | 0.14% | | |
| 99623 | | Mt Olive Housing Authority | 13.60% | | | | | |
| 99624 | | Washington Housing Authority | 13.60% | | | | | |
| 99631 | 70980 | Fremont, Town of | 13.60% | 15.24% | | 0.14% | | |
| 99651 | 72270 | Pikeville, Town of | 13.60% | 15.24% | | 0.14% | | |
| 99661 | 72977 | Walnut Creek, Village of | 13.60% | 15.24% | 0.0.107 | 0.14% | | |
| 99701 | 73075 | Wilkes County | 13.64% | 15.24% | 0.04% | 0.14% | | |
| 99705 | | Appalachian Regional Library | 13.60% | | | | | |
| 99711 | 72105 | North Wilkesboro, Town of | 13.68% | 15.24% | 0.08% | 0.14% | | |
| 99717 | | North Wilkesboro A.B.C. Board | 13.67% | | 0.07% | | | |
| 99721 | 73072 | Wilkesboro, Town of | 13.65% | 15.24% | 0.05% | 0.14% | | |
| 99727 | | Wilkesboro A.B.C. Board | 13.60% | | | | | |
| 99801 | 73110 | Wilson County | 13.63% | 15.24% | 0.03% | 0.14% | | |

| | | | Total | Rate** | Death Benefit Rate | | | Estimated Date of | |
|------------------|----------------------|--|----------------------|--------------------|----------------------|--------------------|---|---|--|
| Employer Code | LEO Employer Code | Code Employer | General Employees | Law Enforcement | General Employees | Law Enforcement | 12/31/2022 Unfunded Prior Service Liability | Liquidation of Prior Service Liability* | |
| 99802 | | Wilson County Tourism Development Auth | 13.60% | | | | | | |
| 99804 | | Wilson County A.B.C. Board | 13.65% | | 0.05% | | | | |
| 99811 | 73100 | Wilson, City of | 13.63% | 15.24% | 0.03% | 0.14% | | | |
| 99812 | | Wilson Economic Dev Council | 13.60% | | | | | | |
| 99818 | | Wilson Cemetery Commission | 13.60% | | | | | | |
| 99821 | 72684 | Stantonsburg, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 99831 | 70195 | Black Creek, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 99841 | 71660 | Lucama, Town of | 13.68% | | 0.08% | | | | |
| 99851 | 70870 | Elm City, Town of | 13.60% | | | | | | |
| 99901 | 73170 | Yadkin County | 13.65% | 15.24% | 0.05% | 0.14% | | | |
| 99911 | 73180 | Yadkinville, Town of | 13.66% | 15.24% | 0.06% | 0.14% | | | |
| 99921 | | Jonesville, Town of | 13.76% | 15.24% | 0.16% | 0.14% | | | |
| 99931 | | East Bend, Town of | 13.70% | 15.24% | 0.10% | 0.14% | | | |
| 99941 | | Boonville, Town of | 13.60% | 15.24% | | 0.14% | | | |
| 99991 | | N C Assoc of Co Commissioners | 13.63% | | 0.03% | | | | |
| 99999 | | N C League of Municipalities | 13.63% | | 0.03% | | | | |

* Must be recalculated annually and adjusted according to each employer's actual experience. The estimated date for liquidation as of the valuation date does not constitute a guarantee that an employer will complete the liquidation as of the estimated date.

** Based on the preliminary contribution rate approved by the Board based on the Employer Contribution Rate Stabilization Policy. Total rate for Law Enforcement employees is subject to reduction for the court cost offset pursuant to G.S. 143-166.50(d).

Appendix F: Unfunded Contribution Rates and Estimated Dates of Liquidation by Employer

The table below provides the contribution rates payable for the year beginning July 1, 2024 by the participating employers paying prior service liability rate at the valuation date.

| Employer Code | LEO Employer Code | Employer | 12/31/2022 Prior Service Liability | 7/1/2024 Prior Service Rate | Original Date of Liquidation of Prior Service Liability | Estimated Date of Liquidation of Prior Service Liability* |
|------------------|----------------------|---------------------------------------|---------------------------------------|--------------------------------|--|--|
| 90114 | | Mebane, City of | 2,278,747 | 10.50% | 6/30/2033 | 6/30/2025 |
| 90307 | | Sparta A.B.C. Board | 1,779 | 0.53% | 12/31/2028 | 12/31/2028 |
| 90507 | | West Jefferson A.B.C. Board | 17,946 | 3.22% | 6/30/2035 | 6/30/2026 |
| 90602 | 70090 | Avery County Fire Commission | 243,671 | 6.25% | 12/31/2038 | 6/30/2033 |
| 90651 | 72724 | Sugar Mountain, Town of | 98,651 | | 3/31/2027 | 6/30/2024 |
| 90861 | 71556 | Lewiston Woodville, Town of | 996 | | 6/30/2024 | 6/30/2024 |
| 91009 | | Brunswick County Tourism Authority | 4,592 | 1.01% | 9/30/2031 | 6/30/2025 |
| 91013 | | Southeast Brunswick Sanitary District | 221,620 | 5.81% | 9/30/2039 | 6/30/2039 |
| 91026 | | Navassa, Town of | 162,807 | 7.27% | 6/30/2035 | 6/30/2035 |
| 91308 | | Cabarrus County Tourism Authority | 40,009 | 0.67% | 9/30/2032 | 6/30/2030 |
| 91681 | 70080 | Atlantic Beach, Town of | 515,492 | 6.23% | 3/31/2028 | 6/30/2025 |
| 92661 | 72676 | Spring Lake, Town of | 351,075 | 6.62% | 9/30/2024 | 9/30/2024 |
| 92671 | | Falcon Town of | 10,121 | 6.42% | 6/30/2026 | 6/30/2026 |
| 92913 | | Thomasville Housing Authority | 64,263 | | 6/30/2027 | 6/30/2024 |
| 92941 | | Midway, Town of | 17,158 | 2.29% | 3/31/2038 | 3/31/2038 |
| 93031 | 70624 | Cooleemee, Town of | 6,831 | | 9/30/2027 | 6/30/2024 |
| 93212 | | Durham Convention & Visitors Bureau | 330,943 | 5.71% | 9/30/2028 | 6/30/2027 |
| 93647 | | Cherryville A.B.C. Board | - | | 12/31/2023 | 6/30/2023 |
| 94031 | | Walstonburg, Town of | 36,975 | 7.28% | 9/30/2033 | 9/30/2033 |
| 94437 | | Canton A.B.C. Board | 30,568 | 4.88% | 12/31/2027 | 6/30/2027 |
| 95103 | | Benson Housing Authority | 147,895 | 3.93% | 12/31/2036 | 12/31/2036 |
| 95106 | | Archer Lodge, Town of | 1,673 | | 9/30/2037 | 6/30/2024 |
| 95113 | | Smithfield Housing Authority | - | | 6/30/2023 | 6/30/2023 |
| 95122 | | Micro, Town of | 11,236 | 2.47% | 3/31/2036 | 6/30/2029 |
| 95504 | | Lincoln County A.B.C. Board | , | | 12/31/2028 | 6/30/2023 |
| 96503 | | Wilmington Housing Authority | 267,313 | | 6/30/2024 | 6/30/2024 |
| 96681 | 72591 | Seaboard, Town | 21,907 | 4.71% | 12/31/2025 | 12/31/2025 |
| 96708 | | Onslow Water & Sewer Authority | 384,243 | 1.22% | 12/31/2028 | 6/30/2028 |
| 97013 | | Elizabeth City Pasquotank County TDA | 25,029 | 2.27% | 6/30/2033 | 6/30/2029 |
| 97423 | | Farmville Housing Authority | 53,444 | 6.94% | 3/31/2028 | 6/30/2025 |

Appendix F: Unfunded Contribution Rates and Estimated Dates of Liquidation by Employer (continued)

| Employer Code | LEO Employer Code | Employer | 12/31/2022 Prior Service Liability | 7/1/2024 Prior Service Rate | Original Date of Liquidation of Prior Service Liability | Estimated Date of Liquidation of Prior Service Liability* |
|------------------|----------------------|------------------------------------|---------------------------------------|--------------------------------|--|--|
| 97840 | 71750 | Maxton, Town of | - | | 6/30/2027 | 6/30/2023 |
| 97841 | | Parkton, Town of | 20,152 | 2.05% | 9/30/2035 | 9/30/2035 |
| 98002 | | Rowan Convention & Visitors Bureau | 102 | | 6/30/2026 | 6/30/2024 |
| 98008 | | Rowan Co Soil & Water Conv Dist | - | | 6/30/2023 | 6/30/2023 |
| 98313 | | Laurinburg Housing Authority | 452,487 | 6.65% | 12/31/2026 | 12/31/2026 |
| 98331 | 71051 | Gibson, Town of | 1,228 | 1.59% | 3/31/2025 | 3/31/2025 |
| 99014 | | Indian Trail A.B.C. Board | 35,584 | 1.72% | 6/30/2039 | 6/30/2039 |
| 99022 | | Mineral Springs, Town of | 51,136 | 4.70% | 9/30/2034 | 9/30/2034 |
| 99071 | | Weddington, Town of | 26,525 | 3.01% | 3/31/2029 | 3/31/2029 |
| 99207 | | Wake County Housing Authority | 1,049,184 | 10.41% | 12/31/2032 | 6/30/2032 |
| 99321 | 72991 | Warrenton, Town of | 519,054 | 6.85% | 9/30/2037 | 6/30/2032 |
| 99531 | 72596 | Seven Devils, Town of | 125,776 | 4.98% | 6/30/2026 | 6/30/2026 |

* Must be recalculated annually and adjusted according to each employer's actual experience. The estimated date for liquidation as of the valuation date does not constitute a guarantee that an employer will complete the liquidation as of the estimated date.

Appendix G: Participating Employers

| Employer | Employer Code | LEO Employer Code | Employer | L Employer Code | EO Employe Code |
|--|------------------|----------------------|--|--------------------|--------------------|
| Aberdeen, Town of | 96331 | 70005 | B.H.M. Regional Library | 90705 | |
| Ahoskie, Town of | 94611 | 70007 | Badin, Town of | 98451 | 70103 |
| Alamance Community Fire District | 94109 | | Bailey, Town of | 96451 | 70104 |
| Alamance County | 90101 | 70020 | Bakersville, Town of | 96121 | 70105 |
| Alamance Municipal A.B.C. Board | 90117 | | Bald Head Island, Village of | 91091 | 70107 |
| Alamance, Village of | 90151 | | Banner Elk, Town of | 90611 | 70110 |
| Albemarle A.B.C. Board | 98417 | | Bay River Metro Sewerage District | 96918 | |
| Albemarle District Jail Commission | 97008 | | Bayboro, Town of | 96911 | |
| Albemarle Regional Health Services | 90096 | | Bayleaf Fire Department | 99208 | |
| Albemarle Regional Library | 90805 | | Beaufort County | 90701 | 70130 |
| Albemarle Regional Planning & Development Comm | 92109 | | Beaufort County A.B.C. Board | 90704 | |
| Albemarle, City of | 98411 | 70030 | Beaufort Housing Authority | 91633 | |
| Alexander County | 90201 | 70032 | Beaufort, Town of | 91631 | 70145 |
| Alleghany County | 90301 | 70035 | Beech Mountain, Town of | 90631 | 70146 |
| Alliance Behavioral Healthcare | 93209 | | Belhaven, Town of | 90731 | 70147 |
| Andrews, Town of | 92021 | 70036 | Belmont Housing Authority | 93623 | |
| Angier A.B.C. Board | 94347 | | Belmont, City of | 93621 | 70150 |
| Angier, Town of | 94351 | 70038 | Belville, Town of | 91020 | |
| Anson County | 90401 | 70040 | Benson Housing Authority | 95103 | |
| Ansonville, Town of | 90451 | | Benson, Town of | 95141 | 70170 |
| Apex, Town of | 99271 | 70050 | Bermuda Run, Town of | 93021 | |
| Appalachian District Health Dept | 90099 | | Bertie County | 90801 | 70180 |
| Appalachian Regional Library | 99705 | | Bertie County A.B.C. Board | 90804 | |
| Archdale, City of | 97651 | 70063 | Bertie-Martin Regional Jail Comm | 90808 | |
| Archer Lodge, Town of | 95106 | | Bessemer City, City of | 93671 | |
| Ashe County | 90501 | 70065 | Bethel, Town of | 97441 | 70157 |
| Asheboro A.B.C. Board | 97607 | | Beulaville, Town of | 93111 | 70160 |
| Asheboro Housing Authority | 97613 | | Biltmore Forest, Town of | 91111 | 70190 |
| Asheboro, City of | 97611 | 70064 | Biscoe, Town of | 96231 | 70192 |
| Asheville A.B.C. Board | 91127 | 70072 | Black Creek, Town of | 99831 | 70195 |
| Asheville Regional Airport Authority | 91128 | 70074 | Black Mountain A.B.C. Board | 91154 | |
| Asheville, City of | 91121 | 70070 | Black Mountain, Town of | 91151 | 70200 |
| Atlantic Beach, Town of | 91681 | 70080 | Bladen County | 90901 | 70210 |
| Aulander, Town of | 90811 | 70082 | Bladenboro, Town of | 90941 | 70215 |
| Aurora, Town of | 90721 | 70085 | Blowing Rock A.B.C. Board | 99527 | |
| Autryville, Town of | 98271 | | Blowing Rock Tourism Development Authority | 99508 | |
| Avery County | 90601 | 70090 | Blowing Rock, Town of | 99521 | 70220 |
| Avery County Fire Commission | 90602 | 70090 | Blue Ridge Fire Department | 94532 | 70220 |
| Avery-Mitchell-Yancey Reg Library | 90605 | | Boiling Spring Lakes A.B.C. Board | 91077 | |
| Ayden, Town of | 97461 | 70100 | Boiling Spring Lakes, City of | 91071 | 70225 |

Appendix G: Participating Employers (continued)

| Employer | Employer Code | LEO Employer Code | Employer | I Employer Code | EO Employe. Code |
|---|------------------|----------------------|---|--------------------|---------------------|
| Boiling Springs, Town of | 92331 | 70230 | Cameron, Town of | 96312 | 70358 |
| Boone, Town of | 99511 | 70240 | Candor, Town of | 96241 | 70360 |
| Boonville, Town of | 99941 | | Canton A.B.C. Board | 94437 | |
| Braswell Memorial Library | 96405 | | Canton, Town of | 94431 | 70362 |
| Brevard A.B.C. Board | 98817 | | Cape Carteret, Town of | 91671 | 70365 |
| Brevard, City of | 98811 | 70260 | Cape Fear Council of Governments | 91008 | |
| Bridgeton, Town of | 92561 | | Cape Fear Public Transportation Authority | 96512 | |
| Broad River Water Authority | 98102 | | Cape Fear Public Utility Authority | 96507 | |
| Broadway, Town of | 95321 | 70265 | Cape Fear Regional Jetport | 91015 | |
| Brookford, Town of | 91861 | 70270 | Carolina Beach, Town of | 96521 | 70375 |
| Brunswick Co Dept of Social Services | 91006 | | Carolina Shores Town of | 91024 | |
| Brunswick Co Health Dept | 91003 | | Carrboro, Town of | 96821 | 70372 |
| Brunswick County | 91001 | 70280 | Carteret County | 91601 | 70380 |
| Brunswick County A.B.C. Board | 91004 | | Carteret County A.B.C. Board | 91604 | 70385 |
| Brunswick County Tourism Authority | 91009 | | Carthage, Town of | 96391 | 70390 |
| Brunswick Regional Water and Sewer H2GO | 91042 | | Cary, Town of | 99221 | 70400 |
| Brunswick, Town of | 92421 | | Caswell Beach, Town of | 91051 | 70405 |
| Bryson City A.B.C. Board | 98717 | | Caswell Co Dept of Social Services | 91706 | |
| Bryson City, Town of | 98711 | 70285 | Caswell County | 91701 | 70415 |
| Buncombe County | 91101 | 70290 | Caswell County A.B.C. Board | 91704 | |
| Bunn A.B.C. Board | 93537 | | Catawba County | 91801 | 70430 |
| Bunn, Town of | 93531 | 70295 | Catawba County A.B.C. Board | 91804 | 70440 |
| Burgaw, Town of | 97111 | 70300 | Catawba, Town of | 91881 | 70441 |
| Burke Co Dept of Social Services | 91206 | | Cedar Point, Town of | 91691 | |
| Burke Co Health Dept | 91203 | | Centennial Authority | 99222 | |
| Burke County | 91201 | 70310 | Centralina Council Of Governments | 96009 | |
| Burke County Tourism Dev. Authority | 91208 | | Chadbourn, Town of | 92441 | 70450 |
| Burlington, City of | 90111 | 70320 | Chapel Hill, Town of | 96811 | 70470 |
| Burnsville, Town of | 90011 | 70330 | Charlotte Firemen's Ret Sys | 96018 | |
| Butner, Town of | 93931 | | Charlotte Housing Authority | 96003 | |
| Cabarrus Co Public Health Auth | 91306 | | Charlotte Mecklenburg Public Library | 96005 | |
| Cabarrus County | 91301 | 70340 | Charlotte Regional Visitors Authority | 96012 | |
| Cabarrus County Tourism Authority | 91308 | | Charlotte, City of | 96011 | 70480 |
| Cajah's Mountain, Town of | 91461 | | Chatham Co Housing Auth | 91903 | |
| Calabash A.B.C. Board | 91007 | | Chatham County | 91901 | 70490 |
| Calabash, Town of | 91010 | | Chatham County A.B.C. Board | 91904 | |
| Caldwell County | 91401 | 70350 | Cherokee County | 92001 | 70500 |
| Calypso, Town of | 93171 | | Cherryville A.B.C. Board | 93647 | |
| Camden County | 91501 | 70357 | Cherryville, City of | 93641 | 70520 |
| Camden County A.B.C. Board | 91504 | | China Grove, Town of | 98041 | 70522 |

Appendix G: Participating Employers (continued)

| Employer | Employer Code | LEO Employer Code | Employer | L Employer Code | EO Employer. Code |
|--|------------------|----------------------|--|--------------------|----------------------|
| Choanoke Public Transportation Auth | 96612 | | Creedmoor, City of | 93921 | 70660 |
| Chocowinity, Town of | 90751 | 70525 | Creswell, Town of | 99431 | |
| Chowan County | 92101 | 70530 | Cumberland Co A.B.C. Board | 92604 | 70685 |
| Chowan County A.B.C. Board | 92104 | | Cumberland County | 92601 | 70680 |
| Claremont, City of | 91821 | 70535 | Currituck Co A.B.C. Board | 92704 | |
| Clarkton, Town of | 90931 | 70537 | Currituck County | 92701 | 70700 |
| Clay County | 92201 | 70538 | Dallas, Town of | 93651 | 70705 |
| Clay County A.B.C. Board | 92214 | | Dare County | 92801 | 70720 |
| Clayton, Town of | 95131 | 70540 | Dare County A.B.C. Board | 92804 | 70721 |
| Clemmons Fire Department | 93442 | | Dare County Tourism Board | 92802 | |
| Clemmons, Village of | 93441 | | Davidson County | 92901 | 70723 |
| Cleveland County | 92301 | 70550 | Davidson, Town of | 96081 | 70724 |
| Cleveland County Water | 92302 | | Davie County | 93001 | 70725 |
| Cleveland, Town of | 98091 | 70552 | Davie Soil and Water Conservation Dist | 93009 | |
| Clinton A.B.C. Board | 98218 | | Denton, Town of | 92921 | 70730 |
| Clinton, City of | 98211 | 70555 | Dobson A.B.C. Bd | 98627 | |
| Coastal Carolina Regional Airport | 92506 | | Dobson, Town of | 98621 | 70735 |
| Coastal Regional Solid Waste Mngt Auth | 92508 | | Drexel, Town of | 91221 | 70745 |
| Coats, Town of | 94341 | 70570 | Duck, Town of | 92861 | 70755 |
| Cofield, Town of | 94641 | | Dunn A.B.C. Board | 94317 | |
| Colerain, Town of | 90813 | 70575 | Dunn Housing Authority | 94313 | |
| Colfax Volunteer Fire Department | 94168 | | Dunn, City of | 94311 | 70760 |
| Columbia, Town of | 98911 | | Duplin County | 93101 | 70770 |
| Columbus A.B.C. Board | 97527 | | Durham Convention & Visitors Bureau | 93212 | |
| Columbus County | 92401 | 70580 | Durham County | 93201 | 70790 |
| Columbus, Town of | 97521 | 70581 | Durham County A.B.C. Board | 93204 | 70800 |
| Concord A.B.C. Board | 91317 | | Durham Hwy Fire Protection Assoc | 99212 | |
| Concord, City of | 91311 | 70590 | Durham, City of | 93211 | 70780 |
| Connelly Springs, Town of | 91261 | | East Albemarle Regional Library | 97005 | |
| Conover, Town of | 91851 | 70610 | East Bend, Town of | 99931 | |
| Contennea Metropolitan Sewerage Dist | 97408 | | East Spencer Housing Authority | 98023 | |
| Conway, Town of | 96641 | 70620 | East Spencer, Town of | 98021 | 70812 |
| Cooleemee, Town of | 93031 | 70624 | Eastern Band of Cherokee Indians | 70505 | 70505 |
| Cornelius, Town of | 96051 | 70625 | Eastern Carolina Reg'l Housing Auth | 99603 | |
| Cove City, Town of | 92571 | | Eastern Wayne Sanitary Dist | 99610 | 70505 |
| Cramerton A.B.C. Board | 93604 | | Eastover, Town of | 92681 | |
| Cramerton, Town of | 93631 | 70640 | Eastpointe Human Services | 93108 | |
| Craven Co A.B.C. Bd | 92504 | | Eden A.B.C. Board | 97957 | |
| Craven County | 92501 | 70650 | Eden, City of | 97951 | 70815 |
| Craven-Pamlico-Carteret Regional Library | 92505 | | Edenton, Town of | 92111 | 70817 |
| Employer | Employer Code | LEO Employer Code | Employer | L Employer Code | EO Employer Code |
|---|------------------|----------------------|---------------------------------------|--------------------|---------------------|
| Edgecombe County | 93301 | 70820 | Forsyth County | 93401 | 70951 |
| Edgecombe County A.B.C. Board | 93304 | 70620 | Four Oaks, Town of | 95151 | 70951 70954 |
| Edgecombe County A.B.C. Board | 93304 | | Foxfire Village | 96381 | 70953 |
| Electricities of NC | 99210 | | Franklin County | 93501 | 70960 |
| Elizabeth A.B.C. Board | 90917 | | Franklin, Town of | 95611 | 70955 |
| Elizabeth City | 97011 | 70840 | Franklinton A.B.C Board | 93517 | 10000 |
| Elizabeth City Pasquotank County TDA | 97013 | 10010 | Franklinton, Town of | 93511 | 70970 |
| Elizabeth City-Pasquotank Co Airport Auth | 97012 | | Fremont, Town of | 99631 | 70980 |
| Elizabeth City-Pasquotank Co Industrial Development | 97018 | | Fuquay-Varina, Town of | 99261 | 70990 |
| Elizabethtown, Town of | 90911 | 70850 | Garland, Town of | 98241 | 71000 |
| Elk Park, Town of | 90641 | 70860 | Garner Fire Dept | 99252 | |
| Elkin, Town of | 98641 | 70855 | Garner, Town of | 99251 | 71010 |
| Ellenboro, Town of | 98161 | | Garysburg, Town of | 96631 | 71020 |
| Ellerbe, Town of | 97731 | | Gaston County | 93601 | 71030 |
| Elm City, Town of | 99851 | 70870 | Gaston County Economic Dev Commission | 93618 | |
| Elon, Town of | 90131 | 70880 | Gaston, Town of | 96651 | 71032 |
| Emerald Isle, Town of | 91651 | 70890 | Gastonia A.B.C. Board | 93617 | |
| Enfield, Town of | 94211 | 70895 | Gastonia, City of | 93611 | 71040 |
| Erwin, Town of | 94331 | 70900 | Gates County | 93701 | 71050 |
| Fair Bluff, Town of | 92431 | 70908 | Gates County A.B.C. Board | 93704 | 71052 |
| Fairmont Housing Authority | 97823 | | Gibson, Town of | 98331 | 71051 |
| Fairmont, Town of | 97821 | 70910 | Gibsonville A.B.C. Board | 94157 | |
| Faison, Town of | 93141 | 70920 | Gibsonville, Town of | 94151 | 71060 |
| Faith, Town of | 98081 | | Glen Alpine, Town of | 91241 | 71065 |
| Falcon Town of | 92671 | | Goldsboro Housing Authority | 99613 | |
| Farmville Housing Authority | 97423 | | Goldsboro, City of | 99611 | 71070 |
| Farmville, Town of | 97421 | 70930 | Goldston-Gulf Sanitary District | 91908 | |
| Fayetteville Metropolitan Housing Auth | 92613 | | Graham Co Health Dept | 93803 | |
| Fayetteville Public Works Commission | 92614 | | Graham County | 93801 | 71085 |
| Fayetteville, City of | 92611 | 70940 | Graham County Dept of S S | 93806 | |
| First Craven Sanitary Dist | 92502 | | Graham, City of | 90121 | 71080 |
| Flat Rock, Village of | 94531 | | Granite Falls A.B.C. Board | 91417 | |
| Fletcher A.B.C. Board | 94547 | | Granite Falls, Town of | 91411 | 71090 |
| Fletcher, Town of | 94541 | 70943 | Granite Quarry, Town of | 98061 | 71105 |
| Fontana Regional Library | 95005 | | Granville Co A.B.C. Bd | 93904 | |
| Foothills Regional Airport Authority | 94415 | | Granville County | 93901 | 71110 |
| Forest City A.B.C. Board 168 | 98107 | | Granville County Hospital | 93906 | |
| Forest City Housing Authority | 98113 | | Granville-Vance Public Health | 93908 | |
| Forest City, Town of | 98111 | 70950 | Greater Statesville Development Corp | 94908 | |
| Fork Township Sanitary Dist | 99602 | | Green Level, Town of | 90161 | |

| Employer | Employer Code | LEO Employer Code | Employer | Employer Code | LEO Employei Code |
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| Greene County | 94001 | 71130 | Highlands A.B.C. Board | 95617 | |
| Greene County A.B.C. Board | 94004 | | Highlands, Town of | 95621 | 71335 |
| Greensboro A.B.C. Bd | 94117 | 71150 | Hildebran, Town of | 91251 | |
| Greensboro, City of | 94111 | 71140 | Hillsborough, Town of | 96831 | 71360 |
| Greenville Housing Authority | 97413 | | Hobgood, Town of | 94251 | |
| Greenville Utilities Commission | 97412 | | Hoke County | 94701 | 71370 |
| Greenville, City of | 97411 | 71160 | Hoke County A.B.C. Board | 94704 | |
| Grifton, Town of | 97431 | 71170 | Holden Beach, Town of | 91014 | 71375 |
| Grimesland, Town of | 97471 | | Holly Ridge, Town of | 96731 | 71380 |
| Grover, Town of | 92351 | 71178 | Holly Springs, Town of | 99202 | 71385 |
| Guilford County | 94101 | 71180 | Hookerton, Town of | 94011 | |
| Guilford Fire District #13 Inc | 94118 | | Hope Mills, Town of | 92631 | 71390 |
| Guil-Rand Fire Department | 94102 | | Hot Springs Housing Authority | 95733 | |
| Halifax County | 94201 | 71200 | Hudson, Town of | 91431 | 71395 |
| Halifax County A.B.C. Board | 94204 | | Huntersville, Town of | 96041 | 71397 |
| Halifax County Tourism Development Authority | 94205 | | Hyde County | 94801 | 71400 |
| Hamilton, Town of | 95831 | | Hyde County A.B.C. Board | 94804 | |
| Hamlet A.B.C. Board | 97717 | | Indian Beach, Town of | 91661 | 71405 |
| Hamlet, City of | 97721 | 71220 | Indian Trail A.B.C. Board | 99014 | |
| Harnett County | 94301 | 71230 | Indian Trail, Town of | 99051 | |
| Harrisburg, Town of | 91441 | | Iredell County | 94901 | 71420 |
| Havelock, City of | 92531 | 71240 | Isothermal Planning and Dev Comm | 98109 | |
| Haw River, Town of | 90141 | 71245 | J C Holiday Mem Library | 98205 | |
| Haywood County | 94401 | 71250 | Jackson County | 95001 | 71430 |
| Haywood County Tourism Development Authority | 94403 | | Jackson County A.B.C. Board | 95017 | |
| Henderson County | 94501 | 71275 | Jackson County Tourism Development Authority | 95010 | |
| Henderson, City of | 99111 | 71270 | Jackson, Town of | 96661 | 71435 |
| Hendersonville A.B.C. Bd | 94517 | | Jacksonville, City of | 96711 | 71440 |
| Hendersonville, City of | 94511 | 71280 | Jamestown, Town of | 94131 | 71442 |
| Hertford A.B.C. Board | 97217 | 71305 | Jamesville, Town of | 95841 | |
| Hertford County | 94601 | 71310 | Jefferson, Town of | 90511 | 71447 |
| Hertford County A.B.C. Board | 94604 | 71320 | Johnston County | 95101 | 71460 |
| Hertford Housing Auth | 97213 | | Johnston County A.B.C. Board | 95104 | |
| Hertford, Town of | 97211 | 71300 | Johnston Health Center | 95110 | |
| Hickory Conover Tourism Dev Auth | 91812 | | Jones County | 95201 | 71465 |
| Hickory Public Housing Authority | 91813 | | Jones County A.B.C. Board | 95204 | |
| Hickory, City of | 91811 | 71330 | Jonesville, Town of | 99921 | |
| High Country A.B. C. Board | 90617 | | Junaluska Sanitary District | 94408 | |
| High Point A.B.C. Bd | 94127 | | Kannapolis, City of | 91331 | 71468 |
| High Point, City of | 94121 | 71340 | Kenansville A.B.C. Board | 93127 | |

| | Employer | LEO Employer Code | Fundamen | | EO Employer |
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| Employer | Code | | Employer | Employer Code | Code |
| Kenansville, Town of | 93121 | 71469 | Lilesville, Town of | 90421 | 71584 |
| Kenly, Town of | 95171 | 71472 | Lillington, Town of | 94321 | 71585 |
| Kernersville, Town of | 93421 | 71470 | Lincoln County | 95501 | 71590 |
| Kerr Area Transportation Authority | 99110 | | Lincoln County A.B.C. Board | 95504 | |
| Kerr-Tar Regional Council of Govts | 99109 | | Lincolnton A.B.C. Board | 95517 | |
| Kill Devil Hills, Town of | 92821 | 71480 | Lincolnton Housing Authority | 95513 | |
| King, City of | 98521 | 71487 | Lincolnton, City of | 95511 | 71600 |
| Kings Mountain A.B.C. Board | 92327 | | Lincolnton-Lincoln County Airport Authority | 99219 | |
| Kings Mountain, City of | 92321 | 71490 | Linden, Town of | 92651 | |
| Kinston Housing Authority | 95413 | | Littleton, Town of | 94261 | 71615 |
| Kinston, City of | 95411 | 71500 | Locust A.B.C. Board | 98404 | |
| Kinston-Lenoir Co Pub Library | 95415 | | Locust, City of | 98431 | 71620 |
| Kitty Hawk, Town of | 92851 | 71507 | Longview, Town of | 91841 | 71640 |
| Knightdale, Town of | 99291 | 71510 | Louisburg A.B.C. Board | 93527 | |
| Kure Beach, Town of | 96541 | 71515 | Louisburg, Town of | 93521 | 71650 |
| Lagrange, Town of | 95431 | 71517 | Lowell, City of | 93661 | 71655 |
| Lake Lure, Town of | 98131 | 71518 | Lower Cape Fear Water & Sewer Auth | 96508 | |
| Lake Waccamaw A.B.C. Board | 92427 | | Lucama, Town of | 99841 | 71660 |
| Lake Waccamaw, Town of | 92461 | 71519 | Lumber River Council of Governments | 97802 | |
| Landis, Town of | 98051 | 71522 | Lumberton A.B.C. Board | 97817 | |
| Land-of-Sky Regional Council | 91102 | | Lumberton Airport Comm | 97818 | |
| Laurel Park A.B.C. Board | 94527 | | Lumberton, City of | 97811 | 71670 |
| Laurel Park, Town of | 94521 | 71525 | Macclesfield, Town of | 93341 | |
| Laurinburg Housing Authority | 98313 | | Macon County | 95601 | 71680 |
| Laurinburg, City of | 98311 | 71530 | Madison A.B.C. Board | 97947 | |
| Laurinburg-Maxton Airport Commission | 98308 | | Madison County | 95701 | 71684 |
| Lawndale. Town of | 92341 | 71532 | Madison. Town of | 97941 | 71683 |
| Lee County | 95301 | 71535 | Madison-Mayodan Recreation Comm | 97948 | |
| Leland, Town of | 91002 | 71540 | Maggie Valley A.B.C. Board | 94427 | |
| Lenoir A.B.C. Board | 91457 | | Maggie Valley Sanitary Dist | 94428 | |
| Lenoir County | 95401 | 71550 | Maggie Valley, Town of | 94421 | 71685 |
| Lenoir County A.B.C. Board | 95404 | | Magnolia, Town of | 93191 | 71690 |
| Lenoir Housing Authority | 91423 | | Maiden, Town of | 91831 | 71700 |
| Lenoir, City of | 91451 | 71552 | Manteo, Town of | 92831 | 71705 |
| Lewiston Woodville, Town of | 90861 | 71556 | Marion A.B.C. Board | 95917 | 11100 |
| Lewisville, Town of | 93451 | 11000 | Marion, Town of | 95911 | 71710 |
| Lexington A.B.C. Board | 92917 | | Mars Hill, Town of | 95711 | 71718 |
| Lexington, City of | 92917 | 71570 | Marshall, Town of | 95721 | 71711 |
| Liberty A.B.C. Board | 97637 | 11570 | Marshville, Town of | 99021 | 71720 |
| Liberty, Town of | 97631 | 71582 | Marshville, Town of Martin Co Travel & Tourism Auth | 95802 | 11120 |
| LIDERTY, TOWN OF | 9/031 | / 1002 | | 90002 | |

| Employer | Employer Code | LEO Employer Code | Employer | Employer Code | LEO Employei Code |
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| Martin County | 95801 | 71730 | Moore County Airport Authority | 96310 | ocae |
| Martin County A.B.C. Board | 95804 | 11100 | Moore County Tourism Development Authority | 96305 | |
| Martin-Tyrrell-Washington Dist Health Dept | 90092 | | Mooresville A.B.C. Board | 94927 | |
| Marvin, Village of | 99081 | | Mooresville Housing Authority | 94923 | |
| Matthews, Town of | 96071 | 71740 | Mooresville, City of | 94921 | 71850 |
| Maury Sanitary Land District | 94002 | | Morehead City, Town of | 91611 | 71860 |
| Maxton A.B.C. Board | 97847 | | Morganton A.B.C. Board | 91217 | 71880 |
| Maxton, Town of | 97840 | 71750 | Morganton Housing Authority | 91233 | |
| Mayodan, Town of | 97921 | 71755 | Morganton, City of | 91231 | 71870 |
| Maysville, Town of | 95221 | 71745 | Morrisville, Town of | 99206 | 71882 |
| Mcadenville, Town of | 93610 | 71760 | Morven, Town of | 90461 | |
| McDowell County | 95901 | 71762 | Mount Airy Alcoholic Board of Control | 98637 | |
| Mebane, City of | 90114 | | Mount Airy, City of | 98631 | 71910 |
| Mecklenburg County | 96001 | 71770 | Mount Gilead, Town of | 96251 | 71920 |
| Mecklenburg County A.B.C. Board | 96004 | 71780 | Mount Holly, City of | 93691 | 71930 |
| Mecklenburg Emer Med Svcs Agcy | 96008 | | Mount Olive, Town of | 99621 | 71940 |
| Metro Sewerage Dist of Buncombe County | 91108 | | Mount Pleasant A.B.C. Board | 91327 | |
| Micro, Town of | 95122 | | Mount Pleasant, Town of | 91321 | |
| Mid-Carolina Council Of Governments | 92607 | | Mt Olive Housing Authority | 99623 | |
| Middlesex, Town of | 96431 | 71785 | Murfreesboro, Town of | 94621 | 71970 |
| Mideast Commission | 90709 | | Murphy A.B.C. Board | 92017 | |
| Midland, Town of | 91341 | | Murphy, Town of | 92011 | 71975 |
| Midway, Town of | 92941 | | N C Assoc of Co Commissioners | 99991 | |
| Mills River, Town of | 94551 | | N C League of Municipalities | 99999 | |
| Mineral Springs, Town of | 99022 | | Nags Head, Town of | 92811 | 71980 |
| Mint Hill, Town of | 96031 | 71775 | Nantahala Regional Library | 92005 | |
| Misenheimer, Village of | 98414 | 71786 | Nash County | 96401 | 71990 |
| Mitchell County | 96101 | 71788 | Nash County A.B.C. Board | 96404 | 72000 |
| Mitchell Soil & Water Conservation Dist | 96102 | | Nashville, Town of | 96421 | 71995 |
| Mocksville, Town of | 93011 | 71790 | Navassa, Town of | 91026 | |
| Mocksville-Cooleemee A.B.C. Board | 93028 | | Neuse Regional Library | 95405 | |
| Monroe A.B.C. Board | 99017 | | Neuse Regional Library-Greene County | 94005 | |
| Monroe Housing Authority | 99013 | | Neuse Regional Library-Jones County | 95205 | |
| Monroe, City of | 99011 | 71800 | Neuse River Council of Governments | 92507 | |
| Monroe-Union County Economic Development Commission | 94417 | | New Bern, City of | 92511 | 72020 |
| Montgomery County | 96201 | 71815 | New Edenton Housing Auth | 92113 | |
| Montgomery-Municipal A.B.C. Board | 96204 | | New Hanover Airport Auth | 96502 | 72024 |
| Montreat, Town of | 91161 | 71820 | New Hanover County | 96501 | 72030 |
| Moore County | 96301 | 71830 | New Hanover County A.B.C. Board | 96504 | |
| Moore County A.B.C. Board | 96304 | 71840 | New London, Town of | 98471 | |

| Employer | Employer Code | LEO Employer Code | Employer | Employer Code | LEO Employe Code |
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| New Reidsville Housing Auth | 97913 | | Peachland, Town of | 90441 | |
| Newland, Town of | 90621 | 72032 | Pembroke Housing Authority | 97853 | |
| Newport, Town of | 91621 | 72035 | Pembroke, Town of | 97851 | 72228 |
| Newton Grove, Town of | 98231 | 72050 | Pender County | 97101 | 72235 |
| Newton, City of | 91871 | 72040 | Pender County A.B.C. Board | 97104 | |
| Norlina, Town of | 99311 | 72055 | Perquimans County | 97201 | 72245 |
| North Topsail Beach, Town of | 96751 | 72789 | Person Co A.B.C. Bd | 97304 | |
| North Wilkesboro A.B.C. Board | 99717 | | Person County | 97301 | 72250 |
| North Wilkesboro, Town of | 99711 | 72105 | Pettigrew Regional Library | 99405 | |
| Northampton County | 96601 | 72060 | Piedmont Triad Airport Authority | 72265 | 72265 |
| Northampton County A.B.C. Board | 96604 | | Piedmont Triad Reg Water Auth | 94112 | |
| Northwest, City of | 91012 | 72076 | Piedmont Triad Regional Council | 93406 | |
| Northwestern Regional Library | 90305 | | Pikeville, Town of | 99651 | 72270 |
| Norwood A.B.C. Bd | 98427 | | Pilot Mountain A.B.C. Board | 98607 | |
| Norwood, Town of | 98421 | 72110 | Pilot Mountain, Town of | 98611 | 72280 |
| Oak City, Town of | 95821 | | Pine Knoll Shores, Town of | 91641 | 72290 |
| Oak Island A.B.C. Bd | 91027 | | Pine Level, Town of | 95161 | 72295 |
| Oak Island, Town of | 91021 | 71630 | Pinebluff, Town of | 96361 | 72285 |
| Oak Ridge, Town of | 94161 | | Pinecroft-Sedgefield Fire Dist Inc | 94108 | |
| Oakboro, Town of | 98441 | 72120 | Pinehurst, Village of | 96351 | 72287 |
| Ocean Isle Beach A.B.C. | 91067 | | Pinetops, Town of | 93331 | 72296 |
| Ocean Isle Beach, Town of | 91061 | 72135 | Pineville, Town of | 96021 | 72300 |
| Ocracoke Sanitary Dist | 94812 | | Pink Hill, Town of | 95421 | 72305 |
| Old Fort, Town of | 95921 | 72140 | Pitt County | 97401 | 72310 |
| Onslow County | 96701 | 72150 | Pitt County A.B.C. Board | 97404 | 72320 |
| Onslow County A.B.C. Board | 96704 | 72160 | Pitt-Greenville Conv & Visitors | 97402 | |
| Onslow Water & Sewer Authority | 96708 | | Pittsboro, Town of | 91921 | 72330 |
| Orange County | 96801 | 72170 | Pleasant Garden Fire Dept | 95908 | |
| Orange County A.B.C. Board | 96804 | | Plymouth Housing Authority | 99413 | |
| Orange Water and Sewer Authority | 96808 | | Plymouth, Town of | 99411 | 72335 |
| Oriental, Town of | 96912 | 72195 | Polk County | 97501 | 72340 |
| Oxford Housing Authority | 93913 | | Polkton, Town of | 90431 | 72345 |
| Oxford, City of | 93911 | 72200 | Pollocksville, Town of | 95211 | |
| Pamlico County | 96901 | 72210 | Princeton, Town of | 95181 | 72349 |
| Parkton, Town of | 97841 | | Princeville, Town of | 93351 | 72351 |
| Partners Behavioral Health Management | 93609 | | Public Library of Johnston Co and Smithfield | 95105 | |
| Pasquotank Co A.B.C. Board | 97004 | | Raeford, Town of | 94711 | 72355 |
| Pasquotank County | 97001 | 72220 | Raleigh Housing Authority | 99213 | |
| Pasquotank-Camden Ambulance Service | 97002 | | Raleigh, City of | 99211 | 72360 |
| Pasquotank-Camden Library | 97015 | | Raleigh-Durham Airport Authority | 99218 | 72370 |

| Employer | Employer Code | LEO Employer Code | Employer | ا Employer Code | EO Employe Code |
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| Ramseur. Town of | 97641 | 72375 | Rowan Convention & Visitors Bureau | 98002 | |
| Randleman A.B.C. Board | 97627 | | Rowan County | 98001 | 72490 |
| Randleman Housing Authority | 97623 | | Rowan County A.B.C. Board | 98004 | 72500 |
| Randleman, City of | 97621 | 72377 | Rowland, Town of | 97861 | 72510 |
| Randolph County | 97601 | 72380 | Roxboro Housing Authority | 97302 | |
| Ranlo, Town of | 93681 | 72390 | Roxboro, City of | 97311 | 72520 |
| Red Springs A.B.C. Board | 97877 | | Rural Hall, Town of | 93431 | |
| Red Springs, Town of | 97871 | 72395 | Rutherford College, Town of | 91214 | |
| Region D Council of Governments | 99502 | | Rutherford County | 98101 | 72530 |
| Reidsville A.B.C. Board | 97917 | | Rutherford Polk McDowell Dist Brd of Health | 98103 | |
| Reidsville, City of | 97911 | 72400 | Rutherfordton A.B.C. Board | 98147 | |
| Rhodhiss, Town of | 91414 | | Rutherfordton, Town of | 98141 | 72535 |
| Rich Square, Town of | 96611 | 72432 | Salemburg, Town of | 98221 | 72547 |
| Richlands, Town of | 96741 | 72420 | Salisbury Housing Authority | 98013 | |
| Richmond County | 97701 | 72430 | Salisbury, City of | 98011 | 72550 |
| River Bend, Town of | 92541 | 72435 | Saluda, City of | 97531 | 72560 |
| Roanoke Rapids Sanitary District | 94209 | | Sampson County | 98201 | 72563 |
| Roanoke Rapids, City of | 94221 | 72440 | Sandhill Regional Library | 97705 | |
| Robbins, Town of | 96341 | 72443 | Sandhills Center | 96318 | |
| Robbinsville, Town of | 93821 | | Sanford A.B.C. Board | 95317 | |
| Robersonville Authority | 95853 | | Sanford,City of | 95311 | 72565 |
| Robersonville, Town of | 95851 | 72445 | Sawmills, Town of | 91421 | |
| Robeson County | 97801 | 72450 | Scotland County | 98301 | 72580 |
| Robeson County Housing Authority | 97803 | | Scotland County A.B.C. Board | 98304 | |
| Robeson County Public Library | 97805 | | Scotland Neck, Town of | 94241 | 72590 |
| Rockingham A.B.C. Board | 97727 | | Seaboard, Town | 96681 | 72591 |
| Rockingham Authority | 97713 | | Seagrove, Town of | 72593 | 72593 |
| Rockingham County | 97901 | 72470 | Selma Housing Authority | 95123 | |
| Rockingham, City of | 97711 | 72460 | Selma, Town of | 95121 | 72594 |
| Rockwell, Town of | 98071 | 72475 | Seven Devils, Town of | 99531 | 72596 |
| Rocky Mount, City of | 93321 | 72480 | Severn, Town of | 96671 | 72595 |
| Rocky Mount-Wilson Airport Authority | 93323 | | Shallotte A.B.C. Board | 91057 | |
| Rocky Mt Housing Authority | 93333 | | Shallotte, Town of | 91081 | 72597 |
| Rolesville, Town of | 99203 | 72485 | Sharpsburg, Town of | 96461 | 72600 |
| Roper, Town of | 99421 | | Shelby A.B.C. Board | 92317 | |
| Rose Hill, Town of | 93161 | 72487 | Shelby, City of | 92311 | 72610 |
| Roseboro A.B.C. Board | 98237 | | Sheppard Memorial Library | 97405 | |
| Roseboro, Town of | 98261 | 72486 | Siler City A.B.C. Board | 91917 | |
| Rowan Co Housing Authority | 98003 | | Siler City, Town of | 91911 | 72625 |
| Rowan Co Soil & Water Conv Dist | 98008 | | Simpson, Village of | 97481 | 72626 |

| Employer | Employer Code | LEO Employer Code | Employer | Employer Code | LEO Employei Code |
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| Skyland Vol Fire Dept | 91138 | 0000 | Sunset Beach, Town of | 91041 | 72723 |
| Smithfield Housing Authority | 95113 | | Surf City, Town of | 97131 | 72725 |
| Smithfield, Town of | 95111 | 72630 | Surry County | 98601 | 72730 |
| Snow Hill. Town of | 94021 | | Swain County | 98701 | 72740 |
| South Eastern Economic Development Comm | 90918 | | Swansboro, Town of | 96721 | 72745 |
| South Granville Water and Sewer Authority | 93910 | | Swepsonville, Town of | 96722 | |
| Southeast Brunswick Sanitary District | 91013 | | Sylva, Town of | 95011 | 72750 |
| Southern Pines, Town of | 96311 | 72640 | Tabor City, Town of | 92451 | 72760 |
| Southern Shores, Town of | 92841 | 72645 | Tarboro Redevelopment Commission | 93317 | |
| Southern Wayne Sanitary District | 99609 | | Tarboro, Town of | 93311 | 72770 |
| Southport A.B.C. Board | 91017 | | Taylorsville, Town of | 90211 | 72775 |
| Southport, City of | 91011 | 72650 | Taylortown, Town of | 96302 | 72776 |
| Southwestern NC Planning & Econ Dev Comm | 95008 | | Teachey, Town of | 93181 | |
| Sparta A.B.C. Board | 90307 | | Thomasville A.B.C. Board | 92914 | |
| Sparta, Town of | 72657 | 72657 | Thomasville Housing Authority | 92913 | |
| Spencer, Town of | 98031 | 72665 | Thomasville, City of | 92911 | 72780 |
| Spindale, Town of | 98121 | 72670 | Tobaccoville, Village of | 93471 | |
| Spring Hope, Town of | 96411 | 72675 | Toe River Health District | 90098 | |
| Spring Lake, Town of | 92661 | 72676 | Topsail Beach, Town of | 97121 | 72790 |
| Spruce Pine, Town of | 96111 | 72678 | Transylvania County | 98801 | 72800 |
| St James, Town of | 91032 | | Trent Woods, Town of | 92521 | 72810 |
| St Paul's Brd of Alcoholic CTL | 97837 | | Triad Municipal A.B.C. Board | 93417 | 73140 |
| St Paul's, Town of | 97831 | 72540 | Triangle J Council of Governments | 93219 | |
| Stallings, Town of | 96061 | 72679 | Trillium Health Resources | 92513 | |
| Stanfield, Town of | 98481 | 72680 | Trinity, City of | 97661 | |
| Stanley, Town of | 93602 | 72682 | Troutman A.B.C. Board | 94937 | |
| Stanly County | 98401 | 72683 | Troutman, Town of | 94931 | 72815 |
| Stantonsburg, Town of | 99821 | 72684 | Troy, Town of | 96221 | 72822 |
| Star, Town of | 96211 | 72685 | Tryon A.B.C. Board | 97517 | |
| Statesville A.B.C. Board | 94917 | 72710 | Tryon, Town of | 97511 | 72823 |
| Statesville, City of | 94911 | 72700 | Tuckaseigee Water Authority | 95002 | |
| Stedman, Town of | 92621 | 72715 | Turkey, Town of | 98251 | |
| Stokes County | 98501 | 72720 | Tyrrell Co A.B.C. Board | 98904 | |
| Stokesdale, Town of | 94537 | | Tyrrell County | 98901 | 72825 |
| Stoneville, Town of | 97931 | 72721 | Union County | 99001 | 72830 |
| Stovall, Town of | 93914 | | Unionville, Town of | 99061 | |
| Sugar Mountain, Town of | 90651 | 72724 | Upper Coastal Plain Council of Governments | 93309 | |
| Summerfield Fire District | 94172 | | Valdese A.B.C. Board | 94947 | |
| Summerfield, Town of | 94171 | | Valdese Housing Authority | 91213 | |
| Sunset Beach A.B.C. Board | 91047 | | Valdese, Town of | 91211 | 72883 |

| Employer | Employer Code | LEO Employer Code | Employer | Employer Code | LEO Employer Code |
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| Vance County | 99101 | 72890 | Weaverville A.B.C. Board | 91147 | |
| Vance County A.B.C. Bd | 99104 | | Weaverville, Town of | 91141 | 73016 |
| Vanceboro, Town of | 92551 | 72910 | Weddington, Town of | 99071 | |
| Vass, Town of | 96321 | 72920 | Weldon, Town of | 94231 | 73017 |
| Vaya Health | 95009 | | Wendell, Town of | 99231 | 73020 |
| Wade, Town of | 92641 | | Wesley Chapel, Village of | 99091 | |
| Wadesboro A.B.C. Board | 90417 | | West Buncombe Fire Dept | 91120 | |
| Wadesboro Housing Authority | 90413 | | West Columbus A.B.C. Board | 92444 | |
| Wadesboro, Town of | 90411 | 72930 | West Jefferson A.B.C. Board | 90507 | |
| Wagram, Town of | 98321 | 72935 | West Jefferson, Town of | 90521 | 73025 |
| Wake County | 99201 | 72940 | Westarea Volunteer Fire Dept | 92602 | |
| Wake County A.B.C. Board | 99204 | 72950 | Western Carteret Interlocal Cooperation Agency | 91608 | |
| Wake County Housing Authority | 99207 | | Western NC Regional Air Quality | 91107 | |
| Wake Forest, Town of | 99281 | 72960 | Western Piedmont Council of Gvmts | 91818 | |
| Walkertown, Town of | 93461 | | Western Piedmont Regional Transit Authority | 91819 | |
| Wallace A.B.C. Bd | 93157 | | Whispering Pines, Village of | 96371 | 73040 |
| Wallace, Town of | 93151 | 72970 | Whitakers, Town of | 96441 | 73045 |
| Walnut Cove A.B.C. Board | 98517 | | White Lake, Town of | 90921 | 73050 |
| Walnut Cove, Town of | 98511 | 72975 | Whiteville A.B.C. Board | 92417 | |
| Walnut Creek, Village of | 99661 | 72977 | Whiteville Housing Authority | 92403 | |
| Walstonburg, Town of | 94031 | | Whiteville, City of | 92411 | 73060 |
| Warren County | 99301 | 72980 | Wilkes County | 99701 | 73075 |
| Warren County A.B.C. Board | 99304 | 72979 | Wilkesboro A.B.C. Board | 99727 | |
| Warrenton, Town of | 99321 | 72991 | Wilkesboro, Town of | 99721 | 73072 |
| Warsaw A.B.C. Board | 93137 | | Williamston Housing Authority | 95813 | |
| Warsaw, Town of | 93131 | 72981 | Williamston, Town of | 95811 | 73080 |
| Washington County | 99401 | 72985 | Wilmington Housing Authority | 96503 | |
| Washington County A.B.C. Board | 99404 | | Wilmington, City of | 96531 | 73090 |
| Washington Housing Authority | 99624 | | Wilson Cemetery Commission | 99818 | |
| Washington Park, Town of | 90741 | | Wilson County | 99801 | 73110 |
| Washington, City of | 90711 | 72990 | Wilson County A.B.C. Board | 99804 | |
| Watauga County | 99501 | 72983 | Wilson County Tourism Development Auth | 99802 | |
| Watauga County District Tourism Dev Auth | 99509 | | Wilson Economic Dev Council | 99812 | |
| Water & Sewer Auth of Cabarrus County | 91302 | | Wilson, City of | 99811 | 73100 |
| Waxhaw A.B.C. Board | 99047 | | Wilson's Mills, Town of | 95191 | |
| Waxhaw, Town of | 99041 | 72995 | Windsor, Town of | 90812 | 73122 |
| Wayne County | 99601 | 72997 | Winfall, Town of | 97221 | 73124 |
| Wayne County A.B.C. Board | 99604 | | Wingate, Town of | 99031 | 73125 |
| Waynesville A.B.C. Board | 94412 | 73015 | Winston-Salem Housing Authority | 93413 | |
| Waynesville, Town of | 94411 | 73010 | Winston-Salem, City of | 93411 | 73130 |

North Carolina Local Governmental Employees' Retirement System December 31, 2022 Actuarial Valuation

| Employer | Employer Code | LEO Employer Code | Employer | Employer Code | LEO Employer Code |
|---------------------------------------|------------------|----------------------|-------------------------------|------------------|----------------------|
| Winterville, Town of | 97451 | 73150 | Yadkin Valley A.B.C. Board | 98604 | |
| Winton, Town of | 94631 | 73155 | Yadkin Valley Sewer Authority | 98608 | |
| Woodfin A.B.C. Commission | 91104 | | Yadkinville, Town of | 99911 | 73180 |
| Woodfin Sanitary Water and Sewer Dist | 91109 | | Yancey County | 90001 | 73190 |
| Woodfin, Town of | 91171 | 73160 | Yancey Soil & Water Cons | 90002 | |
| Woodland, Town of | 96621 | 73162 | Yanceyville, Town of | 91719 | 73192 |
| Wrightsville Beach, Town of | 96511 | 73165 | Youngsville, Town of | 93541 | 73200 |
| Yadkin County | 99901 | 73170 | Zebulon, Town of | 99241 | 73210 |

Local Governmental Employees' Retirement System Board of Trustees

Employer Contribution Rate Stabilization Policy for the Local Governmental Employees' Retirement System (Adopted 4/29/2021; Amended 1/27/2022)

Policy Purpose

This policy provides for continued operation of an Employer Contribution Rate Stabilization Policy (ECRSP) for the Local Governmental Employees' Retirement System (LGERS). On January 21, 2016, the Board of Trustees (Board) of LGERS approved an ECRSP to be in place for fiscal years ending 2017 through 2022. On January 31, 2019, the Board amended the ECRSP for the remainder of its term through fiscal year ending 2022. Having adopted the Experience Study of the 2015-2019 calendar years on January 28, 2021, which will be effective for plan funding purposes for fiscal years ending 2023 and later, the Board wishes to institute an ECRSP effective for contributions during the five fiscal years ending 2023 through 2027.

Policy Objectives

This policy establishes how the Board will determine the "required employer contribution rate" and the "required employer contribution for law enforcement officers rate," pursuant to G.S. 128- 30(d)(5) and 128-30(d)(9) respectively, during each year the policy is in effect.

Definitions

Actuarial Measurement: The result of an analysis by the Board's consulting actuary, presented in a public report, based on actuarial assumptions and methods adopted by the Board for purposes of funding of LGERS.

Law Enforcement Officer (LEO): An employee as defined under G.S. 128-21(11d).

Non-Law Enforcement Officer (Non-LEO): An employee as defined under G.S. 128-21(10) who is not a LEO.

Policy Contribution (LEO): The employer contribution rate with respect to LEOs under this policy.

Policy Contribution (Non-LEO): The employer contribution rate with respect to Non-LEOs under this policy.

Underlying Actuarially Determined Employer Contribution (Non-LEO) or "Underlying ADEC (Non-LEO)": The amount developed annually by the Board's consulting actuary, representing a funding requirement with respect to Non-LEOs according to the Board's actuarial assumptions and methods before applying this policy. For purposes of applying this policy, the Underlying ADEC should be adjusted to include the effect of any benefit change enacted by the General Assembly that was not incorporated in the consulting actuary's annual valuation report. This adjustment should be equal to the Actuarial Measurement of the effect of the benefit change on the Underlying ADEC.

Determining the Policy Contribution (Non-LEO)

For the fiscal year ending 2022, which is the last scheduled year of the ECRSP amended as of January 31, 2019, the employer contribution rate with respect to Non-LEOs will be 11.35% of retirement-eligible compensation, prior to any adjustment in the event of a benefit improvement taking effect during fiscal year ending 2022.

Local Governmental Employees' Retirement System Board of Trustees

Employer Contribution Rate Stabilization Policy for the Local Governmental Employees' Retirement System (Adopted 4/29/2021; Amended 1/27/2022) (continued)

Rate for Fiscal Years Ending 2023-2024 Prior to Discretionary Adjustment

For each of the two fiscal years ending 2023-2024, the Policy Contribution (Non-LEO) will be equal to the sum of items (1) through (5) below, subject to any adjustment under part (C).

(1): The Policy Contribution (Non-LEO) for the previous fiscal year, excluding any portion that provided for an enacted benefit increase over a single year (for example, an amount that funded a one-time "COLA supplement" during the previous year).

(2): An increase equal to 0.75%.

(3): An adjustment (increase or decrease) for the effect of any enacted benefit change taking effect before or during the fiscal year that was not incorporated in the Policy Contribution (Non-LEO) for the previous fiscal year, equal to the Actuarial Measurement of the effect of the enacted benefit change on the Underlying ADEC (Non-LEO) for the fiscal year. Notwithstanding this provision, in the case of a one-time supplement authorized by the Board under G.S. 128-27(k1) for the fiscal year ending in 2023 in the amount of 2% of each payee's annual pension, the adjustment under this item (3) will be zero.

(4): An adjustment (increase or decrease) for the effect of any changes in actuarial assumptions or methods adopted by the Board that were not incorporated in the Policy Contribution (Non-LEO) for the previous fiscal year, equal to the Actuarial Measurement of the effect on the Underlying ADEC for the fiscal year.

(5): If the Underlying ADEC (Non-LEO) for the fiscal year exceeds the sum of (1) through (4) by more than 1.00% of compensation, an increase equal to 50% multiplied by the difference [Underlying ADEC (Non-LEO) less the sum of items (1) through (4)], rounded to the nearest 0.01% of compensation. If the Underlying ADEC (Non-LEO) does not exceed the sum of (1) through (4) by more than 1.00% of compensation, then this item (5) is equal to 0.00%.

Rate for Fiscal Years Ending 2025-2027 Prior to Discretionary Adjustment

For each of the three fiscal years ending 2025-2027, the Policy Contribution (Non-LEO) will be equal to the sum of items (1) through (6), subject to any adjustment under part (C). Items (1) through (5) are the same as defined above under part (A), and item (6) is as follows:

(6): If the sum of (1) through (4) exceeds the Underlying ADEC (Non-LEO) for the fiscal year by more than 1.00% of compensation, a decrease equal to 50% multiplied by the difference [the sum of items (1) through (4), less the Underlying ADEC (Non-LEO)], rounded to the nearest 0.01% of compensation. The decrease under this item (6) is limited to be no larger than 1.50% of compensation. If the sum of (1) through (4) does not exceed the Underlying ADEC (Non-LEO) by more than 1.00% of compensation, then this item (6) is equal to 0.00%.

Local Governmental Employees' Retirement System Board of Trustees

Employer Contribution Rate Stabilization Policy for the Local Governmental Employees' Retirement System (Adopted 4/29/2021; Amended 1/27/2022) (continued)

Discretionary Adjustment

If the consulting actuary's projections provided publicly to the Board indicate that the Policy Contribution (Non-LEO) for the year following the immediately upcoming year ("second-following year") will result in an increase to the Policy Contribution (Non-LEO) for the second following year under item (5) of the formula if the Board's actuarial assumptions and methods are met, then the Board may, in its discretion, increase the Policy Contribution (Non-LEO) for the immediately upcoming year in order to reduce or eliminate the anticipated increase in the second-following year. Any such discretionary increase should be no greater than the anticipated increase under item (5) of the formula for the second-following year, according to the consulting actuary's projections.

For example, suppose that the Policy Contribution (Non-LEO) for fiscal year ending 2025 is 13.75%. Suppose further that in January 2025, the consulting actuary's projections provided to the Board indicate a Policy Contribution (Non-LEO) of 14.50% for fiscal year ending 2026, and a likely Policy Contribution (Non-LEO) of 17.00% for fiscal year ending 2027 due to an anticipated increase under item (5) of the formula resulting from actuarial losses through calendar year 2024. In January 2025, the Board may, in its discretion, elect to increase the Policy Contribution (Non-LEO) for fiscal year ending 2026, from 14.50% to a rate such as 15.00%, to reduce the magnitude of the increment between the fiscal years ending 2026 and 2027. The increase should be no greater than the anticipated effect of item (5) of the formula on the rate for fiscal year ending 2027, according to the consulting actuary's projections.

Overall Limitation and Required Employer Contribution Rate

The Policy Contribution (Non-LEO) will be no less than the rate of compensation contributed by employees. The Policy Contribution (Non-LEO) will be deemed by the Board to be the annual actuarially determined employer contribution (funding ADEC) with respect to Non-LEOs, and to be the "required employer contribution rate" for LGERS, pursuant to G.S. 128-30(d)(5) as in effect at the date of adoption of this policy.

Determining the Policy Contribution (LEO)

According to the ECRSP as amended January 31, 2019, for fiscal years ending 2017 through 2022, the employer contribution rate with respect to LEOs exceeded the rate with respect to Non-LEOs by 0.75% of compensation. Annual actuarial valuation reports and the recently adopted Experience Study have indicated that the difference in the Underlying ADEC rates (without regard to "direct rate smoothing") will be greater than 2.00% of compensation.

This policy establishes the Policy Contribution (LEO) according to the following schedule:

- Fiscal year ending 2023: Policy Contribution (Non-LEO) plus 1.00%.
- Fiscal year ending 2024: Policy Contribution (Non-LEO) plus 1.25%.
- Fiscal year ending 2025: Policy Contribution (Non-LEO) plus 1.50%.
- Fiscal year ending 2026: Policy Contribution (Non-LEO) plus 1.75%.
- Fiscal year ending 2027: Policy Contribution (Non-LEO) plus 2.00%.

Local Governmental Employees' Retirement System Board of Trustees

Employer Contribution Rate Stabilization Policy for the Local Governmental Employees' Retirement System (Adopted 4/29/2021; Amended 1/27/2022) (continued)

The Policy Contribution (LEO) should further be adjusted for the effect of any enacted benefit change taking effect before or during the fiscal year that has not been taken into account when determining the Policy Contribution (Non-LEO). This could occur, for example, where the benefit change applied only to LEOs. The amount of the adjustment should be equal to the Actuarial Measurement of the effect of the enacted benefit change on the Underlying ADEC (LEO) for the fiscal year.

The Policy Contribution (LEO) will be no less than the rate of compensation contributed by employees. The Policy Contribution (LEO) will be deemed by the Board to be the annual actuarially determined employer contribution (funding ADEC) with respect to LEOs, and to be the "required employer contribution for law enforcement officers rate" for LGERS, pursuant to G.S. 128-30(d)(9) as in effect at the date of adoption of this policy.

Policy Effective Date

This policy will be effective through the fiscal year ending June 30, 2027. The Board may vote to extend it for any period of time.