



The Initial Valuation For
City of Linn Creek
as of August 31, 2019



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October 4, 2019

City of Linn Creek
Linn Creek, Missouri

Ladies and Gentlemen:

Submitted in this report are the results of the actuarial valuation prepared to determine the employer contribution rates required to support, for your employees, the benefits provided by the Missouri Local Government Employees Retirement System (LAGERS). This report contains the information needed to comply with Missouri State disclosure requirements regarding the adoption of LAGERS benefits by a political subdivision (Sections 105.660 - 106.685 RSMo). This report should not be relied on for any purpose other than the purposes described herein. Determinations of financial results, associated with the benefits described in this report, for purposes other than those identified above may be significantly different.

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

The contribution requirement for benefits likely to accrue as a result of the future service of your employees is described on pages 4 thru 11 as the current cost plus the disability cost. This contribution rate, expressed as a percent of active employee payroll, will depend on the benefit program adopted.

The contribution requirement to pay for benefits likely to result from service rendered by your employees before you join LAGERS is described on pages 4 thru 11 as the prior service cost. The value established for prior service is called the unfunded actuarial accrued liability (these amounts are further described in Appendix I). The prior service cost is the rate of contribution designed to pay for the unfunded actuarial accrued liability over a period of not more than 30 years.

Section 70.730 of the Revised Statutes of Missouri requires participating employers to contribute the current cost, disability cost, and prior service cost (the total employer cost as shown on pages 4 thru 11). These contributions are mandatory after official action has been taken to join the System.

The total annual dollar costs shown on pages 12 and 13 represent the dollar cost of each benefit program for a one year period based on the payroll reported for this actuarial valuation. In budgeting amounts for LAGERS contributions you should consider any changes in payroll which have been made since data was submitted for the valuation and any changes anticipated to be made before the end of the period for which you are preparing the budget.

The actuarial assumptions and methods used to determine the stated costs are described in Appendix II of this report. In our opinion, they do produce results which, in the aggregate, are reasonable. Additional miscellaneous and technical assumptions as well as disclosures required by the actuarial standards of practice may be found in the LAGERS Compiled Annual Actuarial Valuation report as of February 28, 2019.

The computed contributions required for LAGERS participation will permit the System to continue to operate in accordance with the actuarial principles of level cost financing and the State law which governs LAGERS. This valuation assumed the ability of the plan sponsor to make the contributions necessary to fund this plan. A determination regarding whether or not the plan sponsor is actually able to do so is outside our expertise and not performed. Summary provisions of the law as well as benefit illustrations can be found in Appendices III and IV.

Projections needed to comply with Missouri State disclosure requirements (Section 105.665 of the RSMo) regarding the adoption of LAGERS benefits by a political subdivision are available upon request from LAGERS.

Please note that this entire report must be available as public information for at least 45 calendar days prior to the date final official action is taken by your governing body to join the System. You may wish to make notice of this report in the official minutes of the next meeting of your governing body. This action would not be binding on your subdivision, yet would establish the beginning date of the 45 day waiting period.

In accordance with LAGERS Board policy, the employer contribution rates established by this valuation report are valid for purposes of joining the System for a two year period from the date of this valuation which was August 31, 2019. The valuation was based on data furnished from your records concerning individual employees (see Appendix V).

This report includes risk commentary in Appendix VI, but does not include a more robust assessment of the risks of future experience not meeting the actuarial assumptions. Additional assessment of risks was outside the scope of this assignment.

If you have any questions concerning this report or LAGERS in general, please contact the LAGERS office in Jefferson City.

This report has been prepared by actuaries who have substantial experience valuing public employee retirement systems. To the best of our knowledge the information contained in this report is accurate and fairly presents the actuarial position of the political subdivision as of the valuation date. All calculations have been made in conformity with generally accepted actuarial principles and practices, with the actuarial standards of practice issued by the Actuarial Standards Board, and with applicable statutes.

Mita D. Drazilov is a member of the American Academy of Actuaries and meets the Qualification Standards of the Academy of Actuaries to render the actuarial opinions contained herein.

The signing actuary is independent of the plan sponsor.

Respectfully submitted,



Mita D. Drazilov, ASA, FCA, MAAA



Alternate Plan Provisions Affecting Employer Contribution Rates

The law governing LAGERS provides for either a contributory plan or a non-contributory plan, with benefits based on either a 5 year or 3 year Final Average Salary (FAS).

Contributory Plan. Under the contributory plan, each covered member contributes 4% of compensation to LAGERS. If an employee terminates before being eligible for an immediate benefit, the member's contributions, plus any interest credited to the member's individual account, are refunded upon request.

Non-Contributory Plan. Under the non-contributory plan, there is no individual employee contribution to the plan, no individual account maintained for each employee, and no refund paid to employees who terminate before being eligible for a benefit.

The law further provides for nine different benefit programs (benefit formula factors) and allows an employer to elect "rule of 80" eligibility for benefits. Under the rule of 80, employees are eligible for unreduced benefits at the earlier of (i) attainment of their minimum service retirement age or (ii) such time as their years of age plus years of LAGERS credited service equals 80.

In total this allows for 72 different combinations of benefit plans, giving employers considerable latitude in designing the retirement program which they feel best suits their particular situation.

The applicable combinations of these items may be changed from time to time, however, there are limitations on the frequency of changes. A more detailed description of plan provisions may be found in Appendix III of this report.

City of Linn Creek

Employer Contribution Rates (Contributory Plan - 5 Year FAS) (4% member contributions are additional)

Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.70%	5.30%	0.20%	6.20%
	Police	2.40	4.50	0.40	7.30
L-3	General	0.90	7.30	0.30	8.50
	Police	3.00	6.30	0.50	9.80
LT-4(65)	General	0.70	5.80	0.20	6.70
	Police	3.00	5.80	0.40	9.20
LT-5(65)	General	0.90	7.60	0.30	8.80
	Police	3.50	7.20	0.50	11.20
L-7	General	1.10	9.20	0.30	10.60
	Police	3.70	8.00	0.60	12.30
LT-8(65)	General	1.10	9.40	0.30	10.80
	Police	4.00	8.60	0.60	13.20
L-12	General	1.30	11.10	0.40	12.80
	Police	4.30	9.70	0.70	14.70
LT-14(65)	General	1.30	11.20	0.40	12.90
	Police	4.50	10.00	0.70	15.20
L-6	General	1.50	13.00	0.50	15.00
	Police	5.00	11.40	0.80	17.20

* Assumes that credit is granted for 100% of service rendered prior to the membership date for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

City of Linn Creek

Employer Contribution Rates (Contributory Plan - 3 Year FAS) (4% member contributions are additional)

Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.70%	5.60%	0.20%	6.50%
	Police	2.50	4.80	0.40	7.70
L-3	General	1.00	7.60	0.30	8.90
	Police	3.20	6.60	0.50	10.30
LT-4(65)	General	0.80	6.10	0.20	7.10
	Police	3.10	6.00	0.40	9.50
LT-5(65)	General	1.00	7.90	0.30	9.20
	Police	3.60	7.50	0.50	11.60
L-7	General	1.20	9.50	0.30	11.00
	Police	3.80	8.30	0.60	12.70
LT-8(65)	General	1.20	9.80	0.30	11.30
	Police	4.10	9.00	0.60	13.70
L-12	General	1.40	11.50	0.40	13.30
	Police	4.50	10.10	0.70	15.30
LT-14(65)	General	1.40	11.60	0.40	13.40
	Police	4.60	10.40	0.70	15.70
L-6	General	1.60	13.50	0.50	15.60
	Police	5.10	11.90	0.80	17.80

* Assumes that credit is granted for 100% of service rendered prior to the membership date for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

City of Linn Creek

Employer Contribution Rates (Non-Contributory Plan - 5 Year FAS) (No member contributions)

Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.80%	8.50%	0.20%	9.50%
	Police	2.50	7.90	0.40	10.80
L-3	General	1.00	10.40	0.30	11.70
	Police	3.10	9.60	0.50	13.20
LT-4(65)	General	0.90	9.00	0.20	10.10
	Police	3.10	9.10	0.40	12.60
LT-5(65)	General	1.00	10.70	0.30	12.00
	Police	3.60	10.50	0.50	14.60
L-7	General	1.20	12.30	0.30	13.80
	Police	3.80	11.40	0.60	15.80
LT-8(65)	General	1.20	12.50	0.30	14.00
	Police	4.00	12.00	0.60	16.60
L-12	General	1.40	14.20	0.40	16.00
	Police	4.40	13.10	0.70	18.20
LT-14(65)	General	1.40	14.30	0.40	16.10
	Police	4.50	13.40	0.70	18.60
L-6	General	1.60	16.10	0.50	18.20
	Police	5.00	14.90	0.80	20.70

* Assumes that credit is granted for 100% of service rendered prior to the membership date for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

City of Linn Creek

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS) (No member contributions)

Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.80%	8.80%	0.20%	9.80%
	Police	2.60	8.10	0.40	11.10
L-3	General	1.10	10.70	0.30	12.10
	Police	3.20	9.90	0.50	13.60
LT-4(65)	General	0.90	9.20	0.20	10.30
	Police	3.20	9.40	0.40	13.00
LT-5(65)	General	1.10	11.10	0.30	12.50
	Police	3.70	10.90	0.50	15.10
L-7	General	1.30	12.70	0.30	14.30
	Police	3.90	11.80	0.60	16.30
LT-8(65)	General	1.30	12.90	0.30	14.50
	Police	4.20	12.40	0.60	17.20
L-12	General	1.50	14.60	0.40	16.50
	Police	4.50	13.60	0.70	18.80
LT-14(65)	General	1.50	14.80	0.40	16.70
	Police	4.70	13.90	0.70	19.30
L-6	General	1.70	16.60	0.50	18.80
	Police	5.20	15.40	0.80	21.40

* Assumes that credit is granted for 100% of service rendered prior to the membership date for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

City of Linn Creek

Employer Contribution Rates (Contributory Plan - 5 Year FAS)

(4% member contributions are additional)

Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.70%	5.30%	0.20%	6.20%
	Police	2.40	4.50	0.40	7.30
L-3	General	0.90	7.30	0.30	8.50
	Police	3.00	6.30	0.50	9.80
LT-4(65)	General	0.70	5.80	0.20	6.70
	Police	3.00	5.80	0.40	9.20
LT-5(65)	General	0.90	7.60	0.30	8.80
	Police	3.50	7.20	0.50	11.20
L-7	General	1.10	9.20	0.30	10.60
	Police	3.70	8.00	0.60	12.30
LT-8(65)	General	1.10	9.40	0.30	10.80
	Police	4.00	8.60	0.60	13.20
L-12	General	1.30	11.10	0.40	12.80
	Police	4.30	9.70	0.70	14.70
LT-14(65)	General	1.30	11.20	0.40	12.90
	Police	4.50	10.00	0.70	15.20
L-6	General	1.50	13.00	0.50	15.00
	Police	5.00	11.40	0.80	17.20

The cost for the Rule of 80 provision is very dependent upon the age at hire of the employees. If hiring practices in the future differ from those of the past, the cost for this provision could increase or decrease. The cost shown is based on the age and service characteristics of the present group.

* Assumes that credit is granted for 100% of service rendered prior to the membership date for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

City of Linn Creek

Employer Contribution Rates (Contributory Plan - 3 Year FAS) (4% member contributions are additional)

Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.70%	5.60%	0.20%	6.50%
	Police	2.50	4.80	0.40	7.70
L-3	General	1.00	7.60	0.30	8.90
	Police	3.20	6.60	0.50	10.30
LT-4(65)	General	0.80	6.10	0.20	7.10
	Police	3.10	6.00	0.40	9.50
LT-5(65)	General	1.00	7.90	0.30	9.20
	Police	3.60	7.50	0.50	11.60
L-7	General	1.20	9.50	0.30	11.00
	Police	3.80	8.30	0.60	12.70
LT-8(65)	General	1.20	9.80	0.30	11.30
	Police	4.10	9.00	0.60	13.70
L-12	General	1.40	11.50	0.40	13.30
	Police	4.50	10.10	0.70	15.30
LT-14(65)	General	1.40	11.60	0.40	13.40
	Police	4.60	10.40	0.70	15.70
L-6	General	1.60	13.50	0.50	15.60
	Police	5.10	11.90	0.80	17.80

The cost for the Rule of 80 provision is very dependent upon the age at hire of the employees. If hiring practices in the future differ from those of the past, the cost for this provision could increase or decrease. The cost shown is based on the age and service characteristics of the present group.

* Assumes that credit is granted for 100% of service rendered prior to the membership date for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

City of Linn Creek

Employer Contribution Rates (Non-Contributory Plan - 5 Year FAS) (No member contributions)

Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.80%	8.50%	0.20%	9.50%
	Police	2.50	7.90	0.40	10.80
L-3	General	1.00	10.40	0.30	11.70
	Police	3.10	9.60	0.50	13.20
LT-4(65)	General	0.90	9.00	0.20	10.10
	Police	3.10	9.10	0.40	12.60
LT-5(65)	General	1.00	10.70	0.30	12.00
	Police	3.60	10.50	0.50	14.60
L-7	General	1.20	12.30	0.30	13.80
	Police	3.80	11.40	0.60	15.80
LT-8(65)	General	1.20	12.50	0.30	14.00
	Police	4.00	12.00	0.60	16.60
L-12	General	1.40	14.20	0.40	16.00
	Police	4.40	13.10	0.70	18.20
LT-14(65)	General	1.40	14.30	0.40	16.10
	Police	4.50	13.40	0.70	18.60
L-6	General	1.60	16.10	0.50	18.20
	Police	5.00	14.90	0.80	20.70

The cost for the Rule of 80 provision is very dependent upon the age at hire of the employees. If hiring practices in the future differ from those of the past, the cost for this provision could increase or decrease. The cost shown is based on the age and service characteristics of the present group.

* Assumes that credit is granted for 100% of service rendered prior to the membership date for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

City of Linn Creek

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS) (No member contributions)

Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.80%	8.80%	0.20%	9.80%
	Police	2.60	8.10	0.40	11.10
L-3	General	1.10	10.70	0.30	12.10
	Police	3.20	9.90	0.50	13.60
LT-4(65)	General	0.90	9.20	0.20	10.30
	Police	3.20	9.40	0.40	13.00
LT-5(65)	General	1.10	11.10	0.30	12.50
	Police	3.70	10.90	0.50	15.10
L-7	General	1.30	12.70	0.30	14.30
	Police	3.90	11.80	0.60	16.30
LT-8(65)	General	1.30	12.90	0.30	14.50
	Police	4.20	12.40	0.60	17.20
L-12	General	1.50	14.60	0.40	16.50
	Police	4.50	13.60	0.70	18.80
LT-14(65)	General	1.50	14.80	0.40	16.70
	Police	4.70	13.90	0.70	19.30
L-6	General	1.70	16.60	0.50	18.80
	Police	5.20	15.40	0.80	21.40

The cost for the Rule of 80 provision is very dependent upon the age at hire of the employees. If hiring practices in the future differ from those of the past, the cost for this provision could increase or decrease. The cost shown is based on the age and service characteristics of the present group.

* Assumes that credit is granted for 100% of service rendered prior to the membership date for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

City of Linn Creek

Employer Contribution Dollars Regular Retirement Eligibility

Employer contributions are payable monthly, and each month's actual dollar contribution will be the contribution percent multiplied by the payroll during the month. If payroll during your first year of LAGERS participation equals the annual payroll reported for this valuation, the approximate employer dollar contribution for the year would be as follows:

Contributory Plan

5 Year FAS		
Benefit Program	General	Police
L-1	\$ 3,804	\$ 7,099
L-3	5,216	9,530
LT-4(65)	4,111	8,946
LT-5(65)	5,400	10,891
L-7	6,504	11,961
LT-8(65)	6,627	12,836
L-12	7,854	14,294
LT-14(65)	7,915	14,780
L-6	9,204	16,725

3 Year FAS		
Benefit Program	General	Police
L-1	\$ 3,988	\$ 7,487
L-3	5,461	10,016
LT-4(65)	4,357	9,238
LT-5(65)	5,645	11,280
L-7	6,750	12,349
LT-8(65)	6,934	13,322
L-12	8,161	14,878
LT-14(65)	8,222	15,267
L-6	9,572	17,309

Non-Contributory Plan

5 Year FAS		
Benefit Program	General	Police
L-1	\$ 5,829	\$ 10,502
L-3	7,179	12,836
LT-4(65)	6,197	12,252
LT-5(65)	7,363	14,197
L-7	8,468	15,364
LT-8(65)	8,590	16,142
L-12	9,818	17,698
LT-14(65)	9,879	18,087
L-6	11,168	20,129

3 Year FAS		
Benefit Program	General	Police
L-1	\$ 6,013	\$ 10,794
L-3	7,425	13,225
LT-4(65)	6,320	12,641
LT-5(65)	7,670	14,683
L-7	8,774	15,850
LT-8(65)	8,897	16,725
L-12	10,124	18,281
LT-14(65)	10,247	18,767
L-6	11,536	20,809

PLEASE NOTE THAT THE ABOVE INFORMATION IS BASED ON THE PERSONNEL AND PAYROLL DATA SUBMITTED FOR THE ACTUARIAL VALUATION. IN BUDGETING AMOUNTS FOR LAGERS CONTRIBUTIONS YOU SHOULD CONSIDER ANY CHANGES WHICH HAVE BEEN MADE SINCE DATA WAS SUBMITTED FOR THE VALUATION AND ANY CHANGES ANTICIPATED TO BE MADE BEFORE THE END OF THE PERIOD FOR WHICH YOU ARE PREPARING THE BUDGET.

City of Linn Creek

Employer Contribution Dollars Rule of 80 Retirement Eligibility

Employer contributions are payable monthly, and each month's actual dollar contribution will be the contribution percent multiplied by the payroll during the month. If payroll during your first year of LAGERS participation equals the annual payroll reported for this valuation, the approximate employer dollar contribution for the year would be as follows:

Contributory Plan

5 Year FAS		
Benefit Program	General	Police
L-1	\$ 3,804	\$ 7,099
L-3	5,216	9,530
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LT-14(65)	7,915	14,780
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3 Year FAS		
Benefit Program	General	Police
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L-12	8,161	14,878
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Non-Contributory Plan

5 Year FAS		
Benefit Program	General	Police
L-1	\$ 5,829	\$ 10,502
L-3	7,179	12,836
LT-4(65)	6,197	12,252
LT-5(65)	7,363	14,197
L-7	8,468	15,364
LT-8(65)	8,590	16,142
L-12	9,818	17,698
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3 Year FAS		
Benefit Program	General	Police
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LT-8(65)	8,897	16,725
L-12	10,124	18,281
LT-14(65)	10,247	18,767
L-6	11,536	20,809

PLEASE NOTE THAT THE ABOVE INFORMATION IS BASED ON THE PERSONNEL AND PAYROLL DATA SUBMITTED FOR THE ACTUARIAL VALUATION. IN BUDGETING AMOUNTS FOR LAGERS CONTRIBUTIONS YOU SHOULD CONSIDER ANY CHANGES WHICH HAVE BEEN MADE SINCE DATA WAS SUBMITTED FOR THE VALUATION AND ANY CHANGES ANTICIPATED TO BE MADE BEFORE THE END OF THE PERIOD FOR WHICH YOU ARE PREPARING THE BUDGET.

City of Linn Creek

Employees and Payroll Included in the Valuation

	General	Police
Number of Employees	2	3
Annual Payroll	\$ 61,360	\$ 97,240

Information regarding the age and service characteristics of the employees is contained in Appendix V.

APPENDIX I

UNFUNDED ACTUARIAL ACCRUED LIABILITY

Unfunded Actuarial Accrued Liability (UAAL)

If the decision is made to join LAGERS the governing body also must decide how much credit to grant employees for their service before the membership date. The options are to cover 25%, 50%, 75% or 100% of prior service. The granting of prior service credit results in the establishment of an actuarial accrued liability. Because your political subdivision will not have established an asset balance with the System as of the membership date, the value established for prior service is an unfunded actuarial accrued liability.

The policy of the LAGERS Board of Trustees provides that unfunded liabilities are to be paid for by level percent of payroll contributions over a period of 30 years. The contribution rates shown on pages 4 through 11 as the "Prior Service Cost" are designed to pay for the applicable unfunded actuarial accrued liability. This procedure will allow your political subdivision to retire the unfunded actuarial accrued liability in an orderly fashion over a period of years without the need for an immediate large payment upon joining the System.

Should the governing body elect to grant credit for 100% of the employees' prior service, the unfunded actuarial accrued liability as of the date of this valuation would be as follows:

City of Linn Creek

Regular Retirement Eligibility

Benefit Group	Employee Group	Contributory		Non-Contributory	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)	UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 7,771	\$ 8,070	\$ 8,854	\$ 9,153
	Police	41,139	42,662	43,003	44,505
L-3	General	9,992	10,353	11,073	11,432
	Police	52,064	53,962	53,765	55,625
LT-4(65)	General	8,106	8,413	9,194	9,503
	Police	50,805	52,676	52,620	54,463
LT-5(65)	General	10,241	10,609	11,321	11,687
	Police	59,325	61,476	60,981	63,091
L-7	General	12,214	12,647	13,286	13,722
	Police	62,977	65,263	64,505	66,754
LT-8(65)	General	12,382	12,825	13,454	13,894
	Police	67,818	70,272	69,303	71,742
L-12	General	14,438	14,945	15,504	16,017
	Police	73,901	76,575	75,261	77,883
LT-14(65)	General	14,519	15,030	15,588	16,098
	Police	76,318	79,079	77,659	80,371
L-6	General	16,655	17,237	17,717	18,291
	Police	84,833	87,878	86,013	89,000

City of Linn Creek

Unfunded Actuarial Accrued Liability (UAAL)

Rule of 80 Retirement Eligibility

Benefit Group	Employee Group	Contributory		Non-Contributory	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)	UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 7,771	\$ 8,070	\$ 8,854	\$ 9,153
	Police	41,139	42,662	43,003	44,505
L-3	General	9,992	10,353	11,073	11,432
	Police	52,064	53,962	53,765	55,625
LT-4(65)	General	8,106	8,413	9,194	9,503
	Police	50,805	52,676	52,620	54,463
LT-5(65)	General	10,241	10,609	11,321	11,687
	Police	59,325	61,476	60,981	63,091
L-7	General	12,214	12,647	13,286	13,722
	Police	62,977	65,263	64,505	66,754
LT-8(65)	General	12,382	12,825	13,454	13,894
	Police	67,818	70,272	69,303	71,742
L-12	General	14,438	14,945	15,504	16,017
	Police	73,901	76,575	75,261	77,883
LT-14(65)	General	14,519	15,030	15,588	16,098
	Police	76,318	79,079	77,659	80,371
L-6	General	16,655	17,237	17,717	18,291
	Police	84,833	87,878	86,013	89,000

APPENDIX II

SUMMARY OF FINANCIAL ASSUMPTIONS

Summary of Assumptions Used in Actuarial Valuations

Assumptions Adopted by Board of Trustees After Consulting With Actuary

1. The investment return rate used in making the valuations was 7.25% per year, net of investment expenses, compounded annually. This rate of return is not the assumed real rate of return. The real rate of return is the rate of investment return in excess of the inflation rate. The price inflation rate used in making the valuations was 2.50% and the wage inflation rate used in making the valuations was 3.25%. The investment return rate translates to an assumed real rate of return over price inflation of 4.75% and over wage inflation of 4.00%. Adopted 2011 and 2016.
2. The healthy retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were the RP-2014 Healthy Annuitant mortality table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The disabled retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were the RP-2014 disabled mortality table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The pre-retirement mortality tables used were the RP-2014 employees mortality table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. For both the post-retirement and pre-retirement tables, the base year for males was then established to be 2017. Mortality rates for a particular calendar year are determined by applying the MP-2015 mortality improvement scale to the above described tables. Adopted 2016.
3. The probabilities of withdrawal and disability from service, together with individual pay increase assumptions, are shown in Schedule 1. Adopted 2016.
4. The probabilities of retirement with an age and service allowance are shown in Schedule 2. Adopted 2016.
5. Post-retirement cost of living allowances are assumed to be 2.50% per year. Adopted 2016.
6. Total active member payroll is assumed to increase a year, which is the portion of the individual pay increase assumptions attributable to wage inflation. In effect, this assumes no change in the number of active members per employer. Adopted 2016.
7. An individual entry-age actuarial cost method of valuation was used in determining age and service allowance actuarial liabilities and normal cost. Adopted 1986.
8. The data about persons now covered was furnished by the political subdivision. Although examined for general reasonableness, the data was not audited by us.

Schedule 1.

Separations From Active Employment (Not Including Death-In-Service) Before Age & Service Retirement and Individual Pay Increase Assumptions

		Percent of Active Members Separating Within Next Year							
Sample Ages	Years of Service	General Members				Police		Fire	
		Men		Women		Disability	Withdrawal	Disability	Withdrawal
All	0	19.00%		22.00%		18.00%		10.00%	
	1	17.00		20.00		17.00		8.00	
	2	15.00		17.00		16.00		7.00	
	3	13.00		14.00		13.00		6.00	
	4	11.00		13.00		12.00		6.00	
25	5 & Over	0.09%	7.30	0.02%	10.80	0.10%	9.80	0.06%	5.00
30		0.12	6.50	0.03	8.90	0.11	7.80	0.10	4.00
35		0.15	5.00	0.06	7.40	0.16	6.10	0.23	2.80
40		0.21	3.70	0.10	5.70	0.22	4.40	0.35	2.20
45		0.30	3.00	0.16	4.20	0.34	3.20	0.56	1.80
50		0.44	2.40	0.24	3.30	0.53	1.80	0.85	1.00
55		0.68	1.80	0.34	2.50	0.88	1.00	1.31	0.50
60		1.02	1.00	0.48	1.20		0.00		0.00
65			0.00		0.00		0.00		0.00

Sample Ages	Percent Increase in Individual's Pay During Next Year	
	General & Police	Fire
25	6.55%	7.15%
30	5.75	6.05
35	5.25	5.15
40	4.75	4.45
45	4.25	4.15
50	3.85	3.85
55	3.65	3.65
60	3.55	3.25
65	3.25	3.25

Schedule 2.

Percent of Eligible Active Members Retiring Within Next Year Without Rule of 80 Eligibility

Early Retirement

Retirement Ages	General Members		Retirement Ages	Police	Fire
	Men	Women			
55	3.00%	3.00%	50	2.50%	2.50%
56	3.00%	3.00%	51	2.50%	2.50%
57	3.00%	3.00%	52	2.50%	2.50%
58	3.00%	3.00%	53	2.50%	2.50%
59	3.00%	3.00%	54	2.50%	2.50%

Normal Retirement

Retirement Ages	General Members		Retirement Ages	Police	Fire
	Men	Women			
60	10%	10%	55	10%	13%
61	10	10	56	10	13
62	25	15	57	10	13
63	20	15	58	10	13
64	20	15	59	10	13
65	25	25	60	10	15
66	25	25	61	10	15
67	20	25	62	25	20
68	20	25	63	20	20
69	20	20	64	20	20
70	100	100	65	100	100

Schedule 2. (Continued)

Percent of Eligible Active Members Retiring Within Next Year With Rule of 80 Eligibility

Retirement Ages	General Members		Police	Fire
	Men	Women		
50	15%	15%	25%	25%
51	15	15	25	20
52	15	15	15	20
53	15	15	15	20
54	15	15	15	20
55	15	15	15	20
56	15	15	15	20
57	15	15	15	25
58	15	15	15	25
59	15	15	15	25
60	15	15	15	35
61	15	15	25	35
62	30	15	30	45
63	30	15	30	45
64	30	20	30	45
65	30	25	100	100
66	30	25		
67	30	25		
68	30	25		
69	30	25		
70	100	100		

APPENDIX III

SUMMARY OF LAGERS PROVISIONS

Missouri Local Government Employees Retirement System

Brief Summary of LAGERS

Benefits and Conditions Evaluated and/or Considered as of February 28, 2019

(Section references are to RSMo)

Voluntary Retirement. Sections 70.645 & 70.600. A member may retire with an age & service allowance after both (i) completing 5 years of credited service, and (ii) attaining the minimum service retirement age.

The minimum service retirement age is age 60 for a general employee and age 55 for a police or fire employee. Optionally, employers may also elect to provide for unreduced benefits for employees whose combination of years of age and years of service equals 80 or more.

Final Average Salary. Section 70.600. The average of a member's monthly compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) of credited service producing the highest monthly average, which period is contained within the 120 consecutive months of credited service immediately preceding retirement.

Age & Service Allowance. Section 70.655. The allowance, payable monthly for life, equals a specified percent of a member's final average salary multiplied by the number of years of credited service. Each employer elects the percent applicable to its members, from the following programs:

L-1 Benefit Program:	1.00% for life
L-3 Benefit Program:	1.25% for life
L-7 Benefit Program:	1.50% for life
L-12 Benefit Program:	1.75% for life
L-6 Benefit Program:	2.00% for life
LT-4(65) Benefit Program:	1.00% for life, plus 1.00% to age 65
LT-5(65) Benefit Program:	1.25% for life, plus 0.75% to age 65
LT-8(65) Benefit Program:	1.50% for life, plus 0.50% to age 65
LT-14(65) Benefit Program:	1.75% for life, plus 0.25% to age 65

The only LT benefit programs available for adoption after August 1, 1994 are the LT(65) programs.

Benefit programs L-9 and LT-10(65) are unavailable for adoption after August 1, 2005.

Benefit program L-11, available only to groups not covered by social security, provides for 2.5% for life.

Subsequent to joining the System the governing body can elect to change benefit programs for the employees, but not more often than once every 2 years.

Early Allowance. Section 70.670. A member may retire with an early allowance after both (i) completing 5 years of credited service, and (ii) attaining age 55 if a general employee or age 50 if a police or fire employee.

The early allowance amount, payable monthly for life, is computed in the same manner as an age & service allowance, based upon the service and earnings record to time of early retirement, but reduced to reflect the fact that the age when payments begin is younger than the minimum service retirement age. The amount of the reduction is 1/2 of 1% (.005) for each month the age at retirement is younger than the minimum service retirement age.

Deferred Allowance. Section 70.675. If a member leaves LAGERS-covered employment (i) before attaining the early retirement age, and (ii) after completing 5 years of credited service, the member becomes eligible for a deferred allowance; provided the former member lives to the minimum service retirement age and does not withdraw the accumulated contributions.

The deferred allowance amount, payable monthly for life from the minimum service retirement age, is computed in the same manner as an age & service allowance, based upon the service and earnings record to time of leaving LAGERS coverage.

Deferred allowances are also payable any time after reaching the early retirement age, with the reduction for early retirement noted on the previous page.

Non-Duty Disability Allowance. Section 70.680. A member with 5 or more years of credited service who becomes totally and permanently disabled from other than duty-connected causes becomes eligible to receive a non-duty disability allowance computed in the same manner as an age & service allowance, based upon the service & earnings record to time of disability.

Duty Disability Allowance. Section 70.680. A member regardless of credited service who becomes totally and permanently disabled from duty-connected causes becomes eligible to receive a duty disability allowance computed in the same manner as an age & service allowance, based upon the earnings record to time of disability but based upon the years of credited service the member would have completed had the member continued in LAGERS-covered employment to age 60.

Death-in-Service. Section 70.661. Upon the death of a member who had completed 5 years of credited service, the eligible surviving dependents receive the following benefits:

- (a) The surviving spouse receives an allowance equal to the Option A allowance (joint and 75% survivor benefit) computed based upon the deceased members' service & earnings record to time of death.
- (b) When no spouse benefit is payable, the dependent children under age 18 (age 23 if they are full time students) each receive an equal share of 60% of an age & service allowance computed based upon the deceased member's service & earnings record to time of death.
- (c) If the death is determined to be duty related, the 5 year service requirement is waived and the benefit is based on years of credited service the member would have completed had the member continued in LAGERS-covered employment to age 60.

Benefit Changes After Retirement. Section 70.655. For retirements effective after September 28, 1975, there is an annual redetermination of monthly benefit amount, beginning the October first following 12 months of retirement. As of each October first the amount of each eligible benefit is redetermined as follows:

- (a) Subject to the maximum in (b), the redetermined amount is the amount other-wise payable multiplied by: 100% plus up to 4%, as determined by the LAGERS Board of Trustees, for each full year of retirement.
- (b) The redetermined amount may not exceed the amount otherwise payable multiplied by the ratio of the Consumer Price Index for the immediately preceding month of June to the Consumer Price Index for the month of June immediately preceding retirement.

Member Contributions. Sections 70.690 & 70.705. Each member contributes 4% of compensation beginning after completion of sufficient employment for 6 months of credited service.

If a member leaves LAGERS-covered employment before an allowance is payable, the accumulated contributions are refunded to the member. If the member dies, his accumulated contributions are refunded to a designated beneficiary.

The law governing LAGERS also has a provision for the adoption of a non-contributory plan in which the full cost of LAGERS participation is paid by the employer. Adoption of the non-contributory provisions may be done at the time of membership or a later date; however, a change from contributory to non-contributory or vice-versa may not be made more frequently than every 2 years. Under the non-contributory provisions there is no individual account maintained for each employee and no refund of contributions if an employee terminates before being eligible for a benefit.

Employer Contributions. Section 70.730. Each employer contributes the remainder amounts necessary to finance the employees' participation in LAGERS. Contributions to LAGERS are determined based upon level-percent-of-payroll principles, so that contribution rates do not have to increase over decades of time.

APPENDIX IV

BENEFIT ILLUSTRATIONS

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(L-1 Benefit Program is Years of Credited Service
times: 1.00% of FAS ¹)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 525	\$ 930	\$1,455	97%
2,000	700	1,076	1,776	89%
2,500	875	1,223	2,098	84%
3,000	1,050	1,370	2,420	81%
3,500	1,225	1,516	2,741	78%
4,000	1,400	1,662	3,062	77%
25 Years of Service:				
\$1,500	\$ 375	\$ 930	\$1,305	87%
2,000	500	1,076	1,576	79%
2,500	625	1,223	1,848	74%
3,000	750	1,370	2,120	71%
3,500	875	1,516	2,391	68%
4,000	1,000	1,662	2,662	67%
15 Years of Service:				
\$1,500	\$225	\$ 930	\$1,155	77%
2,000	300	1,076	1,376	69%
2,500	375	1,223	1,598	64%
3,000	450	1,370	1,820	61%
3,500	525	1,516	2,041	58%
4,000	600	1,662	2,262	57%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2019 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(L-3 Benefit Program is Years of Credited Service
times: 1.25% of FAS ¹)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 656	\$ 930	\$1,586	106%
2,000	875	1,076	1,951	98%
2,500	1,094	1,223	2,317	93%
3,000	1,313	1,370	2,683	89%
3,500	1,531	1,516	3,047	87%
4,000	1,750	1,662	3,412	85%
25 Years of Service:				
\$1,500	\$ 469	\$ 930	\$1,399	93%
2,000	625	1,076	1,701	85%
2,500	781	1,223	2,004	80%
3,000	938	1,370	2,308	77%
3,500	1,094	1,516	2,610	75%
4,000	1,250	1,662	2,912	73%
15 Years of Service:				
\$1,500	\$281	\$ 930	\$1,211	81%
2,000	375	1,076	1,451	73%
2,500	469	1,223	1,692	68%
3,000	563	1,370	1,933	64%
3,500	656	1,516	2,172	62%
4,000	750	1,662	2,412	60%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2019 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(L-7 Benefit Program is Years of Credited Service
times: 1.50% of FAS ¹)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 788	\$ 930	\$1,718	115%
2,000	1,050	1,076	2,126	106%
2,500	1,313	1,223	2,536	101%
3,000	1,575	1,370	2,945	98%
3,500	1,838	1,516	3,354	96%
4,000	2,100	1,662	3,762	94%
25 Years of Service:				
\$1,500	\$ 563	\$ 930	\$1,493	100%
2,000	750	1,076	1,826	91%
2,500	938	1,223	2,161	86%
3,000	1,125	1,370	2,495	83%
3,500	1,313	1,516	2,829	81%
4,000	1,500	1,662	3,162	79%
15 Years of Service:				
\$1,500	\$338	\$ 930	\$1,268	85%
2,000	450	1,076	1,526	76%
2,500	563	1,223	1,786	71%
3,000	675	1,370	2,045	68%
3,500	788	1,516	2,304	66%
4,000	900	1,662	2,562	64%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2019 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(L-12 Benefit Program is Years of Credited Service
times: 1.75% of FAS ¹)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 919	\$ 930	\$1,849	123%
2,000	1,225	1,076	2,301	115%
2,500	1,531	1,223	2,754	110%
3,000	1,838	1,370	3,208	107%
3,500	2,144	1,516	3,660	105%
4,000	2,450	1,662	4,112	103%
25 Years of Service:				
\$1,500	\$ 656	\$ 930	\$1,586	106%
2,000	875	1,076	1,951	98%
2,500	1,094	1,223	2,317	93%
3,000	1,313	1,370	2,683	89%
3,500	1,531	1,516	3,047	87%
4,000	1,750	1,662	3,412	85%
15 Years of Service:				
\$1,500	\$ 394	\$ 930	\$1,324	88%
2,000	525	1,076	1,601	80%
2,500	656	1,223	1,879	75%
3,000	788	1,370	2,158	72%
3,500	919	1,516	2,435	70%
4,000	1,050	1,662	2,712	68%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2019 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(L-6 Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$1,050	\$ 930	\$1,980	132%
2,000	1,400	1,076	2,476	124%
2,500	1,750	1,223	2,973	119%
3,000	2,100	1,370	3,470	116%
3,500	2,450	1,516	3,966	113%
4,000	2,800	1,662	4,462	112%
25 Years of Service:				
\$1,500	\$ 750	\$ 930	\$1,680	112%
2,000	1,000	1,076	2,076	104%
2,500	1,250	1,223	2,473	99%
3,000	1,500	1,370	2,870	96%
3,500	1,750	1,516	3,266	93%
4,000	2,000	1,662	3,662	92%
15 Years of Service:				
\$1,500	\$ 450	\$ 930	\$1,380	92%
2,000	600	1,076	1,676	84%
2,500	750	1,223	1,973	79%
3,000	900	1,370	2,270	76%
3,500	1,050	1,516	2,566	73%
4,000	1,200	1,662	2,862	72%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2019 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(LT-4(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.00% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 525	\$ 930	\$1,050	\$1,455	70%	97%
2,000	1,400	700	1,076	1,400	1,776	70%	89%
2,500	1,750	875	1,223	1,750	2,098	70%	84%
3,000	2,100	1,050	1,370	2,100	2,420	70%	81%
3,500	2,450	1,225	1,516	2,450	2,741	70%	78%
4,000	2,800	1,400	1,662	2,800	3,062	70%	77%
25 Years of Service:							
\$1,500	\$ 750	\$ 375	\$ 930	\$ 750	\$1,305	50%	87%
2,000	1,000	500	1,076	1,000	1,576	50%	79%
2,500	1,250	625	1,223	1,250	1,848	50%	74%
3,000	1,500	750	1,370	1,500	2,120	50%	71%
3,500	1,750	875	1,516	1,750	2,391	50%	68%
4,000	2,000	1,000	1,662	2,000	2,662	50%	67%
15 Years of Service:							
\$1,500	\$ 450	\$225	\$ 930	\$ 450	\$1,155	30%	77%
2,000	600	300	1,076	600	1,376	30%	69%
2,500	750	375	1,223	750	1,598	30%	64%
3,000	900	450	1,370	900	1,820	30%	61%
3,500	1,050	525	1,516	1,050	2,041	30%	58%
4,000	1,200	600	1,662	1,200	2,262	30%	57%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2019 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(LT-5(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.25% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 656	\$ 930	\$1,050	\$1,586	70%	106%
2,000	1,400	875	1,076	1,400	1,951	70%	98%
2,500	1,750	1,094	1,223	1,750	2,317	70%	93%
3,000	2,100	1,313	1,370	2,100	2,683	70%	89%
3,500	2,450	1,531	1,516	2,450	3,047	70%	87%
4,000	2,800	1,750	1,662	2,800	3,412	70%	85%
25 Years of Service:							
\$1,500	\$ 750	\$ 469	\$ 930	\$ 750	\$1,399	50%	93%
2,000	1,000	625	1,076	1,000	1,701	50%	85%
2,500	1,250	781	1,223	1,250	2,004	50%	80%
3,000	1,500	938	1,370	1,500	2,308	50%	77%
3,500	1,750	1,094	1,516	1,750	2,610	50%	75%
4,000	2,000	1,250	1,662	2,000	2,912	50%	73%
15 Years of Service:							
\$1,500	\$ 450	\$281	\$ 930	\$ 450	\$1,211	30%	81%
2,000	600	375	1,076	600	1,451	30%	73%
2,500	750	469	1,223	750	1,692	30%	68%
3,000	900	563	1,370	900	1,933	30%	64%
3,500	1,050	656	1,516	1,050	2,172	30%	62%
4,000	1,200	750	1,662	1,200	2,412	30%	60%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2019 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(LT-8(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.50% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 788	\$ 930	\$1,050	\$1,718	70%	115%
2,000	1,400	1,050	1,076	1,400	2,126	70%	106%
2,500	1,750	1,313	1,223	1,750	2,536	70%	101%
3,000	2,100	1,575	1,370	2,100	2,945	70%	98%
3,500	2,450	1,838	1,516	2,450	3,354	70%	96%
4,000	2,800	2,100	1,662	2,800	3,762	70%	94%
25 Years of Service:							
\$1,500	\$ 750	\$ 563	\$ 930	\$ 750	\$1,493	50%	100%
2,000	1,000	750	1,076	1,000	1,826	50%	91%
2,500	1,250	938	1,223	1,250	2,161	50%	86%
3,000	1,500	1,125	1,370	1,500	2,495	50%	83%
3,500	1,750	1,313	1,516	1,750	2,829	50%	81%
4,000	2,000	1,500	1,662	2,000	3,162	50%	79%
15 Years of Service:							
\$1,500	\$ 450	\$338	\$ 930	\$ 450	\$1,268	30%	85%
2,000	600	450	1,076	600	1,526	30%	76%
2,500	750	563	1,223	750	1,786	30%	71%
3,000	900	675	1,370	900	2,045	30%	68%
3,500	1,050	788	1,516	1,050	2,304	30%	66%
4,000	1,200	900	1,662	1,200	2,562	30%	64%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2019 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(LT-14(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.75% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 919	\$ 930	\$1,050	\$1,849	70%	123%
2,000	1,400	1,225	1,076	1,400	2,301	70%	115%
2,500	1,750	1,531	1,223	1,750	2,754	70%	110%
3,000	2,100	1,838	1,370	2,100	3,208	70%	107%
3,500	2,450	2,144	1,516	2,450	3,660	70%	105%
4,000	2,800	2,450	1,662	2,800	4,112	70%	103%
25 Years of Service:							
\$1,500	\$ 750	\$ 656	\$ 930	\$ 750	\$1,586	50%	106%
2,000	1,000	875	1,076	1,000	1,951	50%	98%
2,500	1,250	1,094	1,223	1,250	2,317	50%	93%
3,000	1,500	1,313	1,370	1,500	2,683	50%	89%
3,500	1,750	1,531	1,516	1,750	3,047	50%	87%
4,000	2,000	1,750	1,662	2,000	3,412	50%	85%
15 Years of Service:							
\$1,500	\$ 450	\$ 394	\$ 930	\$ 450	\$1,324	30%	88%
2,000	600	525	1,076	600	1,601	30%	80%
2,500	750	656	1,223	750	1,879	30%	75%
3,000	900	788	1,370	900	2,158	30%	72%
3,500	1,050	919	1,516	1,050	2,435	30%	70%
4,000	1,200	1,050	1,662	1,200	2,712	30%	68%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2019 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

APPENDIX V

AGE AND SERVICE CHARACTERISTICS OF EMPLOYEES

City of Linn Creek - General

August 31, 2019

By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
Under 20									
20-24									
25-29									
30-34									
35-39									
40-44									
45-49									
50-54	1							1	\$ 30,160
55-59									
60-64	1							1	\$ 31,200
65-69									
70 & Over									
Totals	2							2	\$ 61,360

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

Age: 56.5 years.

Benefit Service: 1.5 years.

Annual Pay: \$ 30,680.

City of Linn Creek - Police

August 31, 2019

By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
Under 20									
20-24									
25-29									
30-34	1							1	\$ 29,120
35-39									
40-44									
45-49									
50-54		1						1	\$ 35,880
55-59									
60-64	1							1	\$ 32,240
65-69									
70 & Over									
Totals	2	1						3	\$ 97,240

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

Age: 47.2 years.

Benefit Service: 3.8 years.

Annual Pay: \$ 32,413.

APPENDIX VI

RISK COMMENTARY

Risk Commentary

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

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions due to changing conditions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period, or additional cost or contribution requirements based on the Plan's funded status); and changes in plan provisions or applicable law. The scope of an actuarial valuation does not include an analysis of the potential range of such future measurements.

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

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

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

The computed contribution rates shown on pages 4 thru 11 may be considered as a minimum contribution rate for the selected benefit provisions that complies with the Board's funding policy. The timely receipt of the actuarially determined contributions is critical to support the financial health of the plan. Users of this report should be aware that contributions made at the actuarially determined rate do not necessarily guarantee benefit security.

Risk Commentary (Concluded)

PLAN MATURITY MEASURES

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

RATIO OF MARKET VALUE OF ASSETS TO PAYROLL

The relationship between assets and payroll is a useful indicator of the potential volatility of contributions. For example, if the market value of assets is 2.0 times the payroll, a return on assets 5% different than assumed would equal 10% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in plan sponsor contributions as a percentage of payroll.

RATIO OF ACTUARIAL ACCRUED LIABILITY TO PAYROLL

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

The ratio of liability to payroll may also be used as a measure of sensitivity of the liability itself. For example, if the actuarial accrued liability is 2.5 times the payroll, a change in liability 2% other than assumed would equal 5% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in liability (and also plan sponsor contributions) as a percentage of payroll.

RATIO OF NET CASH FLOW TO MARKET VALUE OF ASSETS

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

DURATION OF ACTUARIAL ACCRUED LIABILITY

The duration of the actuarial accrued liability may be used to approximate the sensitivity to a 1% change in the assumed rate of return. For example, duration of 10 indicates that the liability would increase approximately 10% if the assumed rate of return were lowered 1%.

ADDITIONAL RISK ASSESSMENT

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



October 4, 2019 E-mail

Mr. Robert Wilson, Executive Secretary
Missouri Local Government
Employees Retirement System
P.O. Box 1665
Jefferson City, Missouri 65102

Dear Bob:

Enclosed is the report of the August 31, 2019 Initial Actuarial Valuation of LAGERS benefits for the employees of

City of Linn Creek

Sincerely,

A handwritten signature in black ink that reads "Mita Drazilov". The signature is written in a cursive, flowing style.

Mita D. Drazilov, ASA, FCA, MAAA

MDD:wp

October 4, 2019

City of Linn Creek
Linn Creek, Missouri

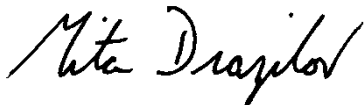
Ladies and Gentlemen:

This report contains projections needed to comply with Missouri state disclosure requirements (Section 105.660 of the RSMo) regarding the adoption of LAGERS benefits by a political subdivision. This report is intended to be a supplement to the August 31, 2019 Initial Valuation for the City of Linn Creek dated October 4, 2019.

The actuarial assumptions and methods used to determine the stated costs are described in Appendix II of the Initial Valuation Report. In our opinion, they do produce results which, in the aggregate, are reasonable. Additional miscellaneous and technical assumptions as well as disclosures required by the actuarial standards of practice may be found in the LAGERS Compiled Annual Actuarial Valuation report as of February 28, 2019.

Mita Drazilov is a member of the American Academy of Actuaries and meets the Qualification Standards of the Academy of Actuaries to render the actuarial opinions herein.

Respectfully submitted,



Mita D. Drazilov, ASA, FCA, MAAA

City of Linn Creek - General

Employer Contribution Rates (Contributory Plan - 5 Year FAS)

(4% member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 61,360	6.2%	\$3,804	\$ 7,771	8.5%	\$5,216	\$ 9,992	6.7%	\$4,111	\$ 8,106
2020	63,354	6.2	3,928	7,877	8.5	5,385	10,129	6.7	4,245	8,217
2021	65,413	6.2	4,056	7,976	8.5	5,560	10,257	6.7	4,383	8,321
2022	67,539	6.2	4,187	8,067	8.5	5,741	10,374	6.7	4,525	8,416
2023	69,734	6.2	4,324	8,149	8.5	5,927	10,479	6.7	4,672	8,502
2024	72,000	6.2	4,464	8,221	8.5	6,120	10,571	6.7	4,824	8,577
2025	74,340	6.2	4,609	8,281	8.5	6,319	10,648	6.7	4,981	8,639
2026	76,756	6.2	4,759	8,328	8.5	6,524	10,708	6.7	5,143	8,688
2027	79,251	6.2	4,914	8,360	8.5	6,736	10,749	6.7	5,310	8,722
2028	81,827	6.2	5,073	8,376	8.5	6,955	10,770	6.7	5,482	8,739

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 61,360	8.8%	\$5,400	\$ 10,241	10.6%	\$6,504	\$ 12,214	10.8%	\$6,627	\$ 12,382
2020	63,354	8.8	5,575	10,381	10.6	6,716	12,381	10.8	6,842	12,552
2021	65,413	8.8	5,756	10,512	10.6	6,934	12,537	10.8	7,065	12,710
2022	67,539	8.8	5,943	10,632	10.6	7,159	12,680	10.8	7,294	12,855
2023	69,734	8.8	6,137	10,740	10.6	7,392	12,809	10.8	7,531	12,986
2024	72,000	8.8	6,336	10,834	10.6	7,632	12,921	10.8	7,776	13,100
2025	74,340	8.8	6,542	10,913	10.6	7,880	13,015	10.8	8,029	13,195
2026	76,756	8.8	6,755	10,975	10.6	8,136	13,089	10.8	8,290	13,270
2027	79,251	8.8	6,974	11,017	10.6	8,401	13,140	10.8	8,559	13,321
2028	81,827	8.8	7,201	11,038	10.6	8,674	13,165	10.8	8,837	13,346

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 61,360	12.8%	\$7,854	\$ 14,438	12.9%	\$7,915	\$ 14,519	15.0%	\$9,204	\$ 16,655
2020	63,354	12.8	8,109	14,636	12.9	8,173	14,718	15.0	9,503	16,883
2021	65,413	12.8	8,373	14,821	12.9	8,438	14,904	15.0	9,812	17,096
2022	67,539	12.8	8,645	14,990	12.9	8,713	15,074	15.0	10,131	17,291
2023	69,734	12.8	8,926	15,142	12.9	8,996	15,227	15.0	10,460	17,467
2024	72,000	12.8	9,216	15,275	12.9	9,288	15,361	15.0	10,800	17,620
2025	74,340	12.8	9,516	15,386	12.9	9,590	15,473	15.0	11,151	17,748
2026	76,756	12.8	9,825	15,473	12.9	9,902	15,560	15.0	11,513	17,848
2027	79,251	12.8	10,144	15,533	12.9	10,223	15,620	15.0	11,888	17,917
2028	81,827	12.8	10,474	15,563	12.9	10,556	15,650	15.0	12,274	17,951

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - General

Employer Contribution Rates (Contributory Plan - 3 Year FAS)

(4% member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2019	\$ 61,360	6.5%	\$3,988	\$ 8,070	8.9%	\$5,461	\$ 10,353	7.1%	\$4,357	\$ 8,413
2020	63,354	6.5	4,118	8,181	8.9	5,639	10,495	7.1	4,498	8,528
2021	65,413	6.5	4,252	8,284	8.9	5,822	10,627	7.1	4,644	8,636
2022	67,539	6.5	4,390	8,379	8.9	6,011	10,748	7.1	4,795	8,735
2023	69,734	6.5	4,533	8,464	8.9	6,206	10,857	7.1	4,951	8,824
2024	72,000	6.5	4,680	8,538	8.9	6,408	10,952	7.1	5,112	8,901
2025	74,340	6.5	4,832	8,600	8.9	6,616	11,032	7.1	5,278	8,966
2026	76,756	6.5	4,989	8,649	8.9	6,831	11,094	7.1	5,450	9,017
2027	79,251	6.5	5,151	8,682	8.9	7,053	11,137	7.1	5,627	9,052
2028	81,827	6.5	5,319	8,699	8.9	7,283	11,158	7.1	5,810	9,069

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	9.2%	\$5,645	\$ 10,609	11.0%	\$6,750	\$ 12,647	11.3%	\$6,934	\$ 12,825
2020	63,354	9.2	5,829	10,754	11.0	6,969	12,820	11.3	7,159	13,001
2021	65,413	9.2	6,018	10,890	11.0	7,195	12,982	11.3	7,392	13,165
2022	67,539	9.2	6,214	11,015	11.0	7,429	13,130	11.3	7,632	13,316
2023	69,734	9.2	6,416	11,127	11.0	7,671	13,263	11.3	7,880	13,451
2024	72,000	9.2	6,624	11,225	11.0	7,920	13,379	11.3	8,136	13,569
2025	74,340	9.2	6,839	11,307	11.0	8,177	13,476	11.3	8,400	13,668
2026	76,756	9.2	7,062	11,371	11.0	8,443	13,552	11.3	8,673	13,745
2027	79,251	9.2	7,291	11,415	11.0	8,718	13,604	11.3	8,955	13,798
2028	81,827	9.2	7,528	11,437	11.0	9,001	13,630	11.3	9,246	13,824

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	13.3%	\$8,161	\$ 14,945	13.4%	\$8,222	\$ 15,030	15.6%	\$9,572	\$ 17,237
2020	63,354	13.3	8,426	15,150	13.4	8,489	15,236	15.6	9,883	17,473
2021	65,413	13.3	8,700	15,341	13.4	8,765	15,428	15.6	10,204	17,693
2022	67,539	13.3	8,983	15,516	13.4	9,050	15,604	15.6	10,536	17,895
2023	69,734	13.3	9,275	15,674	13.4	9,344	15,763	15.6	10,879	18,077
2024	72,000	13.3	9,576	15,812	13.4	9,648	15,901	15.6	11,232	18,236
2025	74,340	13.3	9,887	15,927	13.4	9,962	16,017	15.6	11,597	18,369
2026	76,756	13.3	10,209	16,017	13.4	10,285	16,108	15.6	11,974	18,473
2027	79,251	13.3	10,540	16,079	13.4	10,620	16,170	15.6	12,363	18,544
2028	81,827	13.3	10,883	16,110	13.4	10,965	16,201	15.6	12,765	18,579

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - General

Employer Contribution Rates (Non-Contributory Plan - 5 Year FAS)

(0% member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2019	\$ 61,360	9.5%	\$5,829	\$ 8,854	11.7%	\$7,179	\$ 11,073	10.1%	\$6,197	\$ 9,194
2020	63,354	9.5	6,019	8,975	11.7	7,412	11,225	10.1	6,399	9,320
2021	65,413	9.5	6,214	9,088	11.7	7,653	11,367	10.1	6,607	9,438
2022	67,539	9.5	6,416	9,192	11.7	7,902	11,497	10.1	6,821	9,546
2023	69,734	9.5	6,625	9,285	11.7	8,159	11,614	10.1	7,043	9,643
2024	72,000	9.5	6,840	9,367	11.7	8,424	11,716	10.1	7,272	9,728
2025	74,340	9.5	7,062	9,435	11.7	8,698	11,801	10.1	7,508	9,799
2026	76,756	9.5	7,292	9,488	11.7	8,980	11,868	10.1	7,752	9,854
2027	79,251	9.5	7,529	9,525	11.7	9,272	11,914	10.1	8,004	9,892
2028	81,827	9.5	7,774	9,543	11.7	9,574	11,937	10.1	8,265	9,911

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	12.0%	\$7,363	\$ 11,321	13.8%	\$8,468	\$ 13,286	14.0%	\$8,590	\$ 13,454
2020	63,354	12.0	7,602	11,476	13.8	8,743	13,468	14.0	8,870	13,638
2021	65,413	12.0	7,850	11,621	13.8	9,027	13,638	14.0	9,158	13,810
2022	67,539	12.0	8,105	11,754	13.8	9,320	13,794	14.0	9,455	13,968
2023	69,734	12.0	8,368	11,873	13.8	9,623	13,934	14.0	9,763	14,110
2024	72,000	12.0	8,640	11,977	13.8	9,936	14,056	14.0	10,080	14,234
2025	74,340	12.0	8,921	12,064	13.8	10,259	14,158	14.0	10,408	14,338
2026	76,756	12.0	9,211	12,132	13.8	10,592	14,238	14.0	10,746	14,419
2027	79,251	12.0	9,510	12,179	13.8	10,937	14,293	14.0	11,095	14,475
2028	81,827	12.0	9,819	12,202	13.8	11,292	14,320	14.0	11,456	14,503

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	16.0%	\$9,818	\$ 15,504	16.1%	\$9,879	\$ 15,588	18.2%	\$11,168	\$ 17,717
2020	63,354	16.0	10,137	15,716	16.1	10,200	15,802	18.2	11,530	17,960
2021	65,413	16.0	10,466	15,914	16.1	10,531	16,001	18.2	11,905	18,186
2022	67,539	16.0	10,806	16,096	16.1	10,874	16,184	18.2	12,292	18,394
2023	69,734	16.0	11,157	16,260	16.1	11,227	16,348	18.2	12,692	18,581
2024	72,000	16.0	11,520	16,403	16.1	11,592	16,492	18.2	13,104	18,744
2025	74,340	16.0	11,894	16,522	16.1	11,969	16,612	18.2	13,530	18,881
2026	76,756	16.0	12,281	16,615	16.1	12,358	16,706	18.2	13,970	18,988
2027	79,251	16.0	12,680	16,679	16.1	12,759	16,771	18.2	14,424	19,061
2028	81,827	16.0	13,092	16,711	16.1	13,174	16,803	18.2	14,893	19,097

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - General

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS)

(0% member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2019	\$ 61,360	9.8%	\$6,013	\$ 9,153	12.1%	\$7,425	\$ 11,432	10.3%	\$6,320	\$ 9,503
2020	63,354	9.8	6,209	9,278	12.1	7,666	11,589	10.3	6,525	9,633
2021	65,413	9.8	6,410	9,395	12.1	7,915	11,735	10.3	6,738	9,754
2022	67,539	9.8	6,619	9,502	12.1	8,172	11,869	10.3	6,957	9,866
2023	69,734	9.8	6,834	9,599	12.1	8,438	11,990	10.3	7,183	9,966
2024	72,000	9.8	7,056	9,683	12.1	8,712	12,095	10.3	7,416	10,054
2025	74,340	9.8	7,285	9,754	12.1	8,995	12,183	10.3	7,657	10,127
2026	76,756	9.8	7,522	9,809	12.1	9,287	12,252	10.3	7,906	10,184
2027	79,251	9.8	7,767	9,847	12.1	9,589	12,299	10.3	8,163	10,223
2028	81,827	9.8	8,019	9,866	12.1	9,901	12,322	10.3	8,428	10,243

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	12.5%	\$7,670	\$ 11,687	14.3%	\$8,774	\$ 13,722	14.5%	\$8,897	\$ 13,894
2020	63,354	12.5	7,919	11,847	14.3	9,060	13,910	14.5	9,186	14,084
2021	65,413	12.5	8,177	11,996	14.3	9,354	14,085	14.5	9,485	14,262
2022	67,539	12.5	8,442	12,133	14.3	9,658	14,246	14.5	9,793	14,425
2023	69,734	12.5	8,717	12,256	14.3	9,972	14,391	14.5	10,111	14,572
2024	72,000	12.5	9,000	12,364	14.3	10,296	14,517	14.5	10,440	14,700
2025	74,340	12.5	9,293	12,454	14.3	10,631	14,623	14.5	10,779	14,807
2026	76,756	12.5	9,595	12,524	14.3	10,976	14,706	14.5	11,130	14,891
2027	79,251	12.5	9,906	12,572	14.3	11,333	14,763	14.5	11,491	14,949
2028	81,827	12.5	10,228	12,596	14.3	11,701	14,791	14.5	11,865	14,978

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	16.5%	\$10,124	\$ 16,017	16.7%	\$10,247	\$ 16,098	18.8%	\$11,536	\$ 18,291
2020	63,354	16.5	10,453	16,236	16.7	10,580	16,319	18.8	11,911	18,542
2021	65,413	16.5	10,793	16,441	16.7	10,924	16,525	18.8	12,298	18,776
2022	67,539	16.5	11,144	16,629	16.7	11,279	16,714	18.8	12,697	18,991
2023	69,734	16.5	11,506	16,798	16.7	11,646	16,884	18.8	13,110	19,184
2024	72,000	16.5	11,880	16,946	16.7	12,024	17,032	18.8	13,536	19,352
2025	74,340	16.5	12,266	17,069	16.7	12,415	17,156	18.8	13,976	19,493
2026	76,756	16.5	12,665	17,165	16.7	12,818	17,253	18.8	14,430	19,603
2027	79,251	16.5	13,076	17,231	16.7	13,235	17,320	18.8	14,899	19,679
2028	81,827	16.5	13,501	17,264	16.7	13,665	17,353	18.8	15,383	19,717

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - General

Employer Contribution Rates (Contributory Plan - 5 Year FAS)

(4% member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2019	\$ 61,360	6.2%	\$3,804	\$ 7,771	8.5%	\$5,216	\$ 9,992	6.7%	\$4,111	\$ 8,106
2020	63,354	6.2	3,928	7,877	8.5	5,385	10,129	6.7	4,245	8,217
2021	65,413	6.2	4,056	7,976	8.5	5,560	10,257	6.7	4,383	8,321
2022	67,539	6.2	4,187	8,067	8.5	5,741	10,374	6.7	4,525	8,416
2023	69,734	6.2	4,324	8,149	8.5	5,927	10,479	6.7	4,672	8,502
2024	72,000	6.2	4,464	8,221	8.5	6,120	10,571	6.7	4,824	8,577
2025	74,340	6.2	4,609	8,281	8.5	6,319	10,648	6.7	4,981	8,639
2026	76,756	6.2	4,759	8,328	8.5	6,524	10,708	6.7	5,143	8,688
2027	79,251	6.2	4,914	8,360	8.5	6,736	10,749	6.7	5,310	8,722
2028	81,827	6.2	5,073	8,376	8.5	6,955	10,770	6.7	5,482	8,739

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	8.8%	\$5,400	\$ 10,241	10.6%	\$6,504	\$ 12,214	10.8%	\$6,627	\$ 12,382
2020	63,354	8.8	5,575	10,381	10.6	6,716	12,381	10.8	6,842	12,552
2021	65,413	8.8	5,756	10,512	10.6	6,934	12,537	10.8	7,065	12,710
2022	67,539	8.8	5,943	10,632	10.6	7,159	12,680	10.8	7,294	12,855
2023	69,734	8.8	6,137	10,740	10.6	7,392	12,809	10.8	7,531	12,986
2024	72,000	8.8	6,336	10,834	10.6	7,632	12,921	10.8	7,776	13,100
2025	74,340	8.8	6,542	10,913	10.6	7,880	13,015	10.8	8,029	13,195
2026	76,756	8.8	6,755	10,975	10.6	8,136	13,089	10.8	8,290	13,270
2027	79,251	8.8	6,974	11,017	10.6	8,401	13,140	10.8	8,559	13,321
2028	81,827	8.8	7,201	11,038	10.6	8,674	13,165	10.8	8,837	13,346

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	12.8%	\$7,854	\$ 14,438	12.9%	\$7,915	\$ 14,519	15.0%	\$9,204	\$ 16,655
2020	63,354	12.8	8,109	14,636	12.9	8,173	14,718	15.0	9,503	16,883
2021	65,413	12.8	8,373	14,821	12.9	8,438	14,904	15.0	9,812	17,096
2022	67,539	12.8	8,645	14,990	12.9	8,713	15,074	15.0	10,131	17,291
2023	69,734	12.8	8,926	15,142	12.9	8,996	15,227	15.0	10,460	17,467
2024	72,000	12.8	9,216	15,275	12.9	9,288	15,361	15.0	10,800	17,620
2025	74,340	12.8	9,516	15,386	12.9	9,590	15,473	15.0	11,151	17,748
2026	76,756	12.8	9,825	15,473	12.9	9,902	15,560	15.0	11,513	17,848
2027	79,251	12.8	10,144	15,533	12.9	10,223	15,620	15.0	11,888	17,917
2028	81,827	12.8	10,474	15,563	12.9	10,556	15,650	15.0	12,274	17,951

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - General

Employer Contribution Rates (Contributory Plan - 3 Year FAS)

(4% member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2019	\$ 61,360	6.5%	\$3,988	\$ 8,070	8.9%	\$5,461	\$ 10,353	7.1%	\$4,357	\$ 8,413
2020	63,354	6.5	4,118	8,181	8.9	5,639	10,495	7.1	4,498	8,528
2021	65,413	6.5	4,252	8,284	8.9	5,822	10,627	7.1	4,644	8,636
2022	67,539	6.5	4,390	8,379	8.9	6,011	10,748	7.1	4,795	8,735
2023	69,734	6.5	4,533	8,464	8.9	6,206	10,857	7.1	4,951	8,824
2024	72,000	6.5	4,680	8,538	8.9	6,408	10,952	7.1	5,112	8,901
2025	74,340	6.5	4,832	8,600	8.9	6,616	11,032	7.1	5,278	8,966
2026	76,756	6.5	4,989	8,649	8.9	6,831	11,094	7.1	5,450	9,017
2027	79,251	6.5	5,151	8,682	8.9	7,053	11,137	7.1	5,627	9,052
2028	81,827	6.5	5,319	8,699	8.9	7,283	11,158	7.1	5,810	9,069

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	9.2%	\$5,645	\$ 10,609	11.0%	\$6,750	\$ 12,647	11.3%	\$6,934	\$ 12,825
2020	63,354	9.2	5,829	10,754	11.0	6,969	12,820	11.3	7,159	13,001
2021	65,413	9.2	6,018	10,890	11.0	7,195	12,982	11.3	7,392	13,165
2022	67,539	9.2	6,214	11,015	11.0	7,429	13,130	11.3	7,632	13,316
2023	69,734	9.2	6,416	11,127	11.0	7,671	13,263	11.3	7,880	13,451
2024	72,000	9.2	6,624	11,225	11.0	7,920	13,379	11.3	8,136	13,569
2025	74,340	9.2	6,839	11,307	11.0	8,177	13,476	11.3	8,400	13,668
2026	76,756	9.2	7,062	11,371	11.0	8,443	13,552	11.3	8,673	13,745
2027	79,251	9.2	7,291	11,415	11.0	8,718	13,604	11.3	8,955	13,798
2028	81,827	9.2	7,528	11,437	11.0	9,001	13,630	11.3	9,246	13,824

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	13.3%	\$8,161	\$ 14,945	13.4%	\$8,222	\$ 15,030	15.6%	\$9,572	\$ 17,237
2020	63,354	13.3	8,426	15,150	13.4	8,489	15,236	15.6	9,883	17,473
2021	65,413	13.3	8,700	15,341	13.4	8,765	15,428	15.6	10,204	17,693
2022	67,539	13.3	8,983	15,516	13.4	9,050	15,604	15.6	10,536	17,895
2023	69,734	13.3	9,275	15,674	13.4	9,344	15,763	15.6	10,879	18,077
2024	72,000	13.3	9,576	15,812	13.4	9,648	15,901	15.6	11,232	18,236
2025	74,340	13.3	9,887	15,927	13.4	9,962	16,017	15.6	11,597	18,369
2026	76,756	13.3	10,209	16,017	13.4	10,285	16,108	15.6	11,974	18,473
2027	79,251	13.3	10,540	16,079	13.4	10,620	16,170	15.6	12,363	18,544
2028	81,827	13.3	10,883	16,110	13.4	10,965	16,201	15.6	12,765	18,579

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - General

Employer Contribution Rates (Non-Contributory Plan - 5 Year FAS)

(0% member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2019	\$ 61,360	9.5%	\$5,829	\$ 8,854	11.7%	\$7,179	\$ 11,073	10.1%	\$6,197	\$ 9,194
2020	63,354	9.5	6,019	8,975	11.7	7,412	11,225	10.1	6,399	9,320
2021	65,413	9.5	6,214	9,088	11.7	7,653	11,367	10.1	6,607	9,438
2022	67,539	9.5	6,416	9,192	11.7	7,902	11,497	10.1	6,821	9,546
2023	69,734	9.5	6,625	9,285	11.7	8,159	11,614	10.1	7,043	9,643
2024	72,000	9.5	6,840	9,367	11.7	8,424	11,716	10.1	7,272	9,728
2025	74,340	9.5	7,062	9,435	11.7	8,698	11,801	10.1	7,508	9,799
2026	76,756	9.5	7,292	9,488	11.7	8,980	11,868	10.1	7,752	9,854
2027	79,251	9.5	7,529	9,525	11.7	9,272	11,914	10.1	8,004	9,892
2028	81,827	9.5	7,774	9,543	11.7	9,574	11,937	10.1	8,265	9,911

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	12.0%	\$7,363	\$ 11,321	13.8%	\$8,468	\$ 13,286	14.0%	\$8,590	\$ 13,454
2020	63,354	12.0	7,602	11,476	13.8	8,743	13,468	14.0	8,870	13,638
2021	65,413	12.0	7,850	11,621	13.8	9,027	13,638	14.0	9,158	13,810
2022	67,539	12.0	8,105	11,754	13.8	9,320	13,794	14.0	9,455	13,968
2023	69,734	12.0	8,368	11,873	13.8	9,623	13,934	14.0	9,763	14,110
2024	72,000	12.0	8,640	11,977	13.8	9,936	14,056	14.0	10,080	14,234
2025	74,340	12.0	8,921	12,064	13.8	10,259	14,158	14.0	10,408	14,338
2026	76,756	12.0	9,211	12,132	13.8	10,592	14,238	14.0	10,746	14,419
2027	79,251	12.0	9,510	12,179	13.8	10,937	14,293	14.0	11,095	14,475
2028	81,827	12.0	9,819	12,202	13.8	11,292	14,320	14.0	11,456	14,503

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	16.0%	\$9,818	\$ 15,504	16.1%	\$9,879	\$ 15,588	18.2%	\$11,168	\$ 17,717
2020	63,354	16.0	10,137	15,716	16.1	10,200	15,802	18.2	11,530	17,960
2021	65,413	16.0	10,466	15,914	16.1	10,531	16,001	18.2	11,905	18,186
2022	67,539	16.0	10,806	16,096	16.1	10,874	16,184	18.2	12,292	18,394
2023	69,734	16.0	11,157	16,260	16.1	11,227	16,348	18.2	12,692	18,581
2024	72,000	16.0	11,520	16,403	16.1	11,592	16,492	18.2	13,104	18,744
2025	74,340	16.0	11,894	16,522	16.1	11,969	16,612	18.2	13,530	18,881
2026	76,756	16.0	12,281	16,615	16.1	12,358	16,706	18.2	13,970	18,988
2027	79,251	16.0	12,680	16,679	16.1	12,759	16,771	18.2	14,424	19,061
2028	81,827	16.0	13,092	16,711	16.1	13,174	16,803	18.2	14,893	19,097

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - General

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS)

(0% member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2019	\$ 61,360	9.8%	\$6,013	\$ 9,153	12.1%	\$7,425	\$ 11,432	10.3%	\$6,320	\$ 9,503
2020	63,354	9.8	6,209	9,278	12.1	7,666	11,589	10.3	6,525	9,633
2021	65,413	9.8	6,410	9,395	12.1	7,915	11,735	10.3	6,738	9,754
2022	67,539	9.8	6,619	9,502	12.1	8,172	11,869	10.3	6,957	9,866
2023	69,734	9.8	6,834	9,599	12.1	8,438	11,990	10.3	7,183	9,966
2024	72,000	9.8	7,056	9,683	12.1	8,712	12,095	10.3	7,416	10,054
2025	74,340	9.8	7,285	9,754	12.1	8,995	12,183	10.3	7,657	10,127
2026	76,756	9.8	7,522	9,809	12.1	9,287	12,252	10.3	7,906	10,184
2027	79,251	9.8	7,767	9,847	12.1	9,589	12,299	10.3	8,163	10,223
2028	81,827	9.8	8,019	9,866	12.1	9,901	12,322	10.3	8,428	10,243

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	12.5%	\$7,670	\$ 11,687	14.3%	\$8,774	\$ 13,722	14.5%	\$8,897	\$ 13,894
2020	63,354	12.5	7,919	11,847	14.3	9,060	13,910	14.5	9,186	14,084
2021	65,413	12.5	8,177	11,996	14.3	9,354	14,085	14.5	9,485	14,262
2022	67,539	12.5	8,442	12,133	14.3	9,658	14,246	14.5	9,793	14,425
2023	69,734	12.5	8,717	12,256	14.3	9,972	14,391	14.5	10,111	14,572
2024	72,000	12.5	9,000	12,364	14.3	10,296	14,517	14.5	10,440	14,700
2025	74,340	12.5	9,293	12,454	14.3	10,631	14,623	14.5	10,779	14,807
2026	76,756	12.5	9,595	12,524	14.3	10,976	14,706	14.5	11,130	14,891
2027	79,251	12.5	9,906	12,572	14.3	11,333	14,763	14.5	11,491	14,949
2028	81,827	12.5	10,228	12,596	14.3	11,701	14,791	14.5	11,865	14,978

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 61,360	16.5%	\$10,124	\$ 16,017	16.7%	\$10,247	\$ 16,098	18.8%	\$11,536	\$ 18,291
2020	63,354	16.5	10,453	16,236	16.7	10,580	16,319	18.8	11,911	18,542
2021	65,413	16.5	10,793	16,441	16.7	10,924	16,525	18.8	12,298	18,776
2022	67,539	16.5	11,144	16,629	16.7	11,279	16,714	18.8	12,697	18,991
2023	69,734	16.5	11,506	16,798	16.7	11,646	16,884	18.8	13,110	19,184
2024	72,000	16.5	11,880	16,946	16.7	12,024	17,032	18.8	13,536	19,352
2025	74,340	16.5	12,266	17,069	16.7	12,415	17,156	18.8	13,976	19,493
2026	76,756	16.5	12,665	17,165	16.7	12,818	17,253	18.8	14,430	19,603
2027	79,251	16.5	13,076	17,231	16.7	13,235	17,320	18.8	14,899	19,679
2028	81,827	16.5	13,501	17,264	16.7	13,665	17,353	18.8	15,383	19,717

Notes regarding the above projections:

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- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - Police

Employer Contribution Rates (Contributory Plan - 5 Year FAS)

(4% member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 97,240	7.3%	\$7,099	\$ 41,139	9.8%	\$9,530	\$ 52,064	9.2%	\$8,946	\$ 50,805
2020	100,400	7.3	7,329	41,703	9.8	9,839	52,777	9.2	9,237	51,501
2021	103,663	7.3	7,567	42,229	9.8	10,159	53,442	9.2	9,537	52,150
2022	107,032	7.3	7,813	42,712	9.8	10,489	54,053	9.2	9,847	52,746
2023	110,511	7.3	8,067	43,146	9.8	10,830	54,602	9.2	10,167	53,282
2024	114,103	7.3	8,330	43,525	9.8	11,182	55,082	9.2	10,497	53,750
2025	117,811	7.3	8,600	43,842	9.8	11,545	55,483	9.2	10,839	54,142
2026	121,640	7.3	8,880	44,090	9.8	11,921	55,797	9.2	11,191	54,448
2027	125,593	7.3	9,168	44,260	9.8	12,308	56,013	9.2	11,555	54,659
2028	129,675	7.3	9,466	44,345	9.8	12,708	56,120	9.2	11,930	54,763

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 97,240	11.1%	\$10,794	\$ 59,325	12.3%	\$11,961	\$ 62,977	13.2%	\$12,836	\$ 67,818
2020	100,400	11.1	11,144	60,138	12.3	12,349	63,840	13.2	13,253	68,747
2021	103,663	11.1	11,507	60,896	12.3	12,751	64,645	13.2	13,684	69,614
2022	107,032	11.1	11,881	61,592	12.3	13,165	65,384	13.2	14,128	70,410
2023	110,511	11.1	12,267	62,218	12.3	13,593	66,048	13.2	14,587	71,125
2024	114,103	11.1	12,665	62,764	12.3	14,035	66,628	13.2	15,062	71,750
2025	117,811	11.1	13,077	63,221	12.3	14,491	67,113	13.2	15,551	72,273
2026	121,640	11.1	13,502	63,578	12.3	14,962	67,492	13.2	16,056	72,681
2027	125,593	11.1	13,941	63,824	12.3	15,448	67,753	13.2	16,578	72,962
2028	129,675	11.1	14,394	63,946	12.3	15,950	67,882	13.2	17,117	73,101

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 97,240	14.7%	\$14,294	\$ 73,901	15.2%	\$14,780	\$ 76,318	17.2%	\$16,725	\$ 84,833
2020	100,400	14.7	14,759	74,913	15.2	15,261	77,364	17.2	17,269	85,995
2021	103,663	14.7	15,238	75,858	15.2	15,757	78,340	17.2	17,830	87,079
2022	107,032	14.7	15,734	76,725	15.2	16,269	79,236	17.2	18,410	88,075
2023	110,511	14.7	16,245	77,505	15.2	16,798	80,041	17.2	19,008	88,970
2024	114,103	14.7	16,773	78,186	15.2	17,344	80,744	17.2	19,626	89,751
2025	117,811	14.7	17,318	78,756	15.2	17,907	81,332	17.2	20,263	90,405
2026	121,640	14.7	17,881	79,201	15.2	18,489	81,792	17.2	20,922	90,916
2027	125,593	14.7	18,462	79,507	15.2	19,090	82,108	17.2	21,602	91,268
2028	129,675	14.7	19,062	79,659	15.2	19,711	82,265	17.2	22,304	91,442

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - Police

Employer Contribution Rates (Contributory Plan - 3 Year FAS)

(4% member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2019	\$ 97,240	7.7%	\$7,487	\$ 42,662	10.3%	\$10,016	\$ 53,962	9.5%	\$9,238	\$ 52,676
2020	100,400	7.7	7,731	43,246	10.3	10,341	54,701	9.5	9,538	53,398
2021	103,663	7.7	7,982	43,791	10.3	10,677	55,391	9.5	9,848	54,071
2022	107,032	7.7	8,241	44,292	10.3	11,024	56,024	9.5	10,168	54,689
2023	110,511	7.7	8,509	44,742	10.3	11,383	56,593	9.5	10,499	55,245
2024	114,103	7.7	8,786	45,135	10.3	11,753	57,090	9.5	10,840	55,730
2025	117,811	7.7	9,071	45,464	10.3	12,135	57,506	9.5	11,192	56,136
2026	121,640	7.7	9,366	45,721	10.3	12,529	57,831	9.5	11,556	56,453
2027	125,593	7.7	9,671	45,898	10.3	12,936	58,055	9.5	11,931	56,671
2028	129,675	7.7	9,985	45,986	10.3	13,357	58,166	9.5	12,319	56,779

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 97,240	11.6%	\$11,280	\$ 61,476	12.7%	\$12,349	\$ 65,263	13.7%	\$13,322	\$ 70,272
2020	100,400	11.6	11,646	62,318	12.7	12,751	66,157	13.7	13,755	71,235
2021	103,663	11.6	12,025	63,104	12.7	13,165	66,991	13.7	14,202	72,133
2022	107,032	11.6	12,416	63,825	12.7	13,593	67,757	13.7	14,663	72,958
2023	110,511	11.6	12,819	64,474	12.7	14,035	68,445	13.7	15,140	73,699
2024	114,103	11.6	13,236	65,040	12.7	14,491	69,046	13.7	15,632	74,346
2025	117,811	11.6	13,666	65,514	12.7	14,962	69,549	13.7	16,140	74,888
2026	121,640	11.6	14,110	65,884	12.7	15,448	69,942	13.7	16,665	75,311
2027	125,593	11.6	14,569	66,139	12.7	15,950	70,212	13.7	17,206	75,602
2028	129,675	11.6	15,042	66,265	12.7	16,469	70,346	13.7	17,765	75,746

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 97,240	15.3%	\$14,878	\$ 76,575	15.7%	\$15,267	\$ 79,079	17.8%	\$17,309	\$ 87,878
2020	100,400	15.3	15,361	77,624	15.7	15,763	80,162	17.8	17,871	89,082
2021	103,663	15.3	15,860	78,603	15.7	16,275	81,173	17.8	18,452	90,205
2022	107,032	15.3	16,376	79,502	15.7	16,804	82,101	17.8	19,052	91,236
2023	110,511	15.3	16,908	80,310	15.7	17,350	82,935	17.8	19,671	92,163
2024	114,103	15.3	17,458	81,015	15.7	17,914	83,663	17.8	20,310	92,972
2025	117,811	15.3	18,025	81,605	15.7	18,496	84,272	17.8	20,970	93,649
2026	121,640	15.3	18,611	82,066	15.7	19,097	84,748	17.8	21,652	94,178
2027	125,593	15.3	19,216	82,383	15.7	19,718	85,076	17.8	22,356	94,542
2028	129,675	15.3	19,840	82,540	15.7	20,359	85,238	17.8	23,082	94,723

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - Police

Employer Contribution Rates (Non-Contributory Plan - 5 Year FAS)

(0% member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 97,240	10.8%	\$10,502	\$ 43,003	13.2%	\$12,836	\$ 53,765	12.6%	\$12,252	\$ 52,620
2020	100,400	10.8	10,843	43,592	13.2	13,253	54,502	12.6	12,650	53,341
2021	103,663	10.8	11,196	44,142	13.2	13,684	55,189	12.6	13,062	54,014
2022	107,032	10.8	11,559	44,647	13.2	14,128	55,820	12.6	13,486	54,632
2023	110,511	10.8	11,935	45,101	13.2	14,587	56,387	12.6	13,924	55,187
2024	114,103	10.8	12,323	45,497	13.2	15,062	56,882	12.6	14,377	55,672
2025	117,811	10.8	12,724	45,828	13.2	15,551	57,296	12.6	14,844	56,078
2026	121,640	10.8	13,137	46,087	13.2	16,056	57,620	12.6	15,327	56,395
2027	125,593	10.8	13,564	46,265	13.2	16,578	57,843	12.6	15,825	56,613
2028	129,675	10.8	14,005	46,353	13.2	17,117	57,953	12.6	16,339	56,721

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 97,240	14.6%	\$14,197	\$ 60,981	15.8%	\$15,364	\$ 64,505	16.6%	\$16,142	\$ 69,303
2020	100,400	14.6	14,658	61,816	15.8	15,863	65,389	16.6	16,666	70,252
2021	103,663	14.6	15,135	62,595	15.8	16,379	66,214	16.6	17,208	71,138
2022	107,032	14.6	15,627	63,311	15.8	16,911	66,971	16.6	17,767	71,951
2023	110,511	14.6	16,135	63,954	15.8	17,461	67,651	16.6	18,345	72,682
2024	114,103	14.6	16,659	64,516	15.8	18,028	68,245	16.6	18,941	73,320
2025	117,811	14.6	17,200	64,986	15.8	18,614	68,742	16.6	19,557	73,854
2026	121,640	14.6	17,759	65,353	15.8	19,219	69,131	16.6	20,192	74,271
2027	125,593	14.6	18,337	65,606	15.8	19,844	69,398	16.6	20,848	74,558
2028	129,675	14.6	18,933	65,731	15.8	20,489	69,531	16.6	21,526	74,700

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 97,240	18.2%	\$17,698	\$ 75,261	18.6%	\$18,087	\$ 77,659	20.7%	\$20,129	\$ 86,013
2020	100,400	18.2	18,273	76,292	18.6	18,674	78,723	20.7	20,783	87,191
2021	103,663	18.2	18,867	77,254	18.6	19,281	79,716	20.7	21,458	88,290
2022	107,032	18.2	19,480	78,137	18.6	19,908	80,627	20.7	22,156	89,299
2023	110,511	18.2	20,113	78,931	18.6	20,555	81,446	20.7	22,876	90,206
2024	114,103	18.2	20,767	79,624	18.6	21,223	82,161	20.7	23,619	90,998
2025	117,811	18.2	21,442	80,204	18.6	21,913	82,759	20.7	24,387	91,661
2026	121,640	18.2	22,138	80,657	18.6	22,625	83,227	20.7	25,179	92,179
2027	125,593	18.2	22,858	80,969	18.6	23,360	83,549	20.7	25,998	92,535
2028	129,675	18.2	23,601	81,124	18.6	24,120	83,709	20.7	26,843	92,712

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - Police

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS)

(0% member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2019	\$ 97,240	11.1%	\$10,794	\$ 44,505	13.6%	\$13,225	\$ 55,625	13.0%	\$12,641	\$ 54,463
2020	100,400	11.1	11,144	45,115	13.6	13,654	56,387	13.0	13,052	55,209
2021	103,663	11.1	11,507	45,684	13.6	14,098	57,098	13.0	13,476	55,905
2022	107,032	11.1	11,881	46,206	13.6	14,556	57,751	13.0	13,914	56,544
2023	110,511	11.1	12,267	46,675	13.6	15,029	58,338	13.0	14,366	57,119
2024	114,103	11.1	12,665	47,085	13.6	15,518	58,850	13.0	14,833	57,621
2025	117,811	11.1	13,077	47,428	13.6	16,022	59,279	13.0	15,315	58,041
2026	121,640	11.1	13,502	47,696	13.6	16,543	59,614	13.0	15,813	58,369
2027	125,593	11.1	13,941	47,880	13.6	17,081	59,845	13.0	16,327	58,595
2028	129,675	11.1	14,394	47,971	13.6	17,636	59,959	13.0	16,858	58,707

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 97,240	15.1%	\$14,683	\$ 63,091	16.3%	\$15,850	\$ 66,754	17.2%	\$16,725	\$ 71,742
2020	100,400	15.1	15,160	63,955	16.3	16,365	67,669	17.2	17,269	72,725
2021	103,663	15.1	15,653	64,761	16.3	16,897	68,522	17.2	17,830	73,642
2022	107,032	15.1	16,162	65,501	16.3	17,446	69,305	17.2	18,410	74,484
2023	110,511	15.1	16,687	66,167	16.3	18,013	70,009	17.2	19,008	75,241
2024	114,103	15.1	17,230	66,748	16.3	18,599	70,624	17.2	19,626	75,902
2025	117,811	15.1	17,789	67,234	16.3	19,203	71,138	17.2	20,263	76,455
2026	121,640	15.1	18,368	67,614	16.3	19,827	71,540	17.2	20,922	76,887
2027	125,593	15.1	18,965	67,875	16.3	20,472	71,817	17.2	21,602	77,184
2028	129,675	15.1	19,581	68,005	16.3	21,137	71,954	17.2	22,304	77,331

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 97,240	18.8%	\$18,281	\$ 77,883	19.3%	\$18,767	\$ 80,371	21.4%	\$20,809	\$ 89,000
2020	100,400	18.8	18,875	78,950	19.3	19,377	81,472	21.4	21,486	90,219
2021	103,663	18.8	19,489	79,946	19.3	20,007	82,499	21.4	22,184	91,357
2022	107,032	18.8	20,122	80,860	19.3	20,657	83,442	21.4	22,905	92,401
2023	110,511	18.8	20,776	81,682	19.3	21,329	84,290	21.4	23,649	93,340
2024	114,103	18.8	21,451	82,399	19.3	22,022	85,030	21.4	24,418	94,160
2025	117,811	18.8	22,148	82,999	19.3	22,738	85,649	21.4	25,212	94,846
2026	121,640	18.8	22,868	83,468	19.3	23,477	86,133	21.4	26,031	95,382
2027	125,593	18.8	23,611	83,791	19.3	24,239	86,466	21.4	26,877	95,751
2028	129,675	18.8	24,379	83,951	19.3	25,027	86,631	21.4	27,750	95,934

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - Police

Employer Contribution Rates (Contributory Plan - 5 Year FAS)

(4% member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2019	\$ 97,240	7.3%	\$7,099	\$ 41,139	9.8%	\$9,530	\$ 52,064	9.2%	\$8,946	\$ 50,805
2020	100,400	7.3	7,329	41,703	9.8	9,839	52,777	9.2	9,237	51,501
2021	103,663	7.3	7,567	42,229	9.8	10,159	53,442	9.2	9,537	52,150
2022	107,032	7.3	7,813	42,712	9.8	10,489	54,053	9.2	9,847	52,746
2023	110,511	7.3	8,067	43,146	9.8	10,830	54,602	9.2	10,167	53,282
2024	114,103	7.3	8,330	43,525	9.8	11,182	55,082	9.2	10,497	53,750
2025	117,811	7.3	8,600	43,842	9.8	11,545	55,483	9.2	10,839	54,142
2026	121,640	7.3	8,880	44,090	9.8	11,921	55,797	9.2	11,191	54,448
2027	125,593	7.3	9,168	44,260	9.8	12,308	56,013	9.2	11,555	54,659
2028	129,675	7.3	9,466	44,345	9.8	12,708	56,120	9.2	11,930	54,763

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2019	\$ 97,240	11.2%	\$10,891	\$ 59,325	12.3%	\$11,961	\$ 62,977	13.2%	\$12,836	\$ 67,818
2020	100,400	11.2	11,245	60,138	12.3	12,349	63,840	13.2	13,253	68,747
2021	103,663	11.2	11,610	60,896	12.3	12,751	64,645	13.2	13,684	69,614
2022	107,032	11.2	11,988	61,592	12.3	13,165	65,384	13.2	14,128	70,410
2023	110,511	11.2	12,377	62,218	12.3	13,593	66,048	13.2	14,587	71,125
2024	114,103	11.2	12,780	62,764	12.3	14,035	66,628	13.2	15,062	71,750
2025	117,811	11.2	13,195	63,221	12.3	14,491	67,113	13.2	15,551	72,273
2026	121,640	11.2	13,624	63,578	12.3	14,962	67,492	13.2	16,056	72,681
2027	125,593	11.2	14,066	63,824	12.3	15,448	67,753	13.2	16,578	72,962
2028	129,675	11.2	14,524	63,946	12.3	15,950	67,882	13.2	17,117	73,101

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2019	\$ 97,240	14.7%	\$14,294	\$ 73,901	15.2%	\$14,780	\$ 76,318	17.2%	\$16,725	\$ 84,833
2020	100,400	14.7	14,759	74,913	15.2	15,261	77,364	17.2	17,269	85,995
2021	103,663	14.7	15,238	75,858	15.2	15,757	78,340	17.2	17,830	87,079
2022	107,032	14.7	15,734	76,725	15.2	16,269	79,236	17.2	18,410	88,075
2023	110,511	14.7	16,245	77,505	15.2	16,798	80,041	17.2	19,008	88,970
2024	114,103	14.7	16,773	78,186	15.2	17,344	80,744	17.2	19,626	89,751
2025	117,811	14.7	17,318	78,756	15.2	17,907	81,332	17.2	20,263	90,405
2026	121,640	14.7	17,881	79,201	15.2	18,489	81,792	17.2	20,922	90,916
2027	125,593	14.7	18,462	79,507	15.2	19,090	82,108	17.2	21,602	91,268
2028	129,675	14.7	19,062	79,659	15.2	19,711	82,265	17.2	22,304	91,442

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - Police

Employer Contribution Rates (Contributory Plan - 3 Year FAS)

(4% member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 97,240	7.7%	\$7,487	\$ 42,662	10.3%	\$10,016	\$ 53,962	9.5%	\$9,238	\$ 52,676
2020	100,400	7.7	7,731	43,246	10.3	10,341	54,701	9.5	9,538	53,398
2021	103,663	7.7	7,982	43,791	10.3	10,677	55,391	9.5	9,848	54,071
2022	107,032	7.7	8,241	44,292	10.3	11,024	56,024	9.5	10,168	54,689
2023	110,511	7.7	8,509	44,742	10.3	11,383	56,593	9.5	10,499	55,245
2024	114,103	7.7	8,786	45,135	10.3	11,753	57,090	9.5	10,840	55,730
2025	117,811	7.7	9,071	45,464	10.3	12,135	57,506	9.5	11,192	56,136
2026	121,640	7.7	9,366	45,721	10.3	12,529	57,831	9.5	11,556	56,453
2027	125,593	7.7	9,671	45,898	10.3	12,936	58,055	9.5	11,931	56,671
2028	129,675	7.7	9,985	45,986	10.3	13,357	58,166	9.5	12,319	56,779

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 97,240	11.6%	\$11,280	\$ 61,476	12.7%	\$12,349	\$ 65,263	13.7%	\$13,322	\$ 70,272
2020	100,400	11.6	11,646	62,318	12.7	12,751	66,157	13.7	13,755	71,235
2021	103,663	11.6	12,025	63,104	12.7	13,165	66,991	13.7	14,202	72,133
2022	107,032	11.6	12,416	63,825	12.7	13,593	67,757	13.7	14,663	72,958
2023	110,511	11.6	12,819	64,474	12.7	14,035	68,445	13.7	15,140	73,699
2024	114,103	11.6	13,236	65,040	12.7	14,491	69,046	13.7	15,632	74,346
2025	117,811	11.6	13,666	65,514	12.7	14,962	69,549	13.7	16,140	74,888
2026	121,640	11.6	14,110	65,884	12.7	15,448	69,942	13.7	16,665	75,311
2027	125,593	11.6	14,569	66,139	12.7	15,950	70,212	13.7	17,206	75,602
2028	129,675	11.6	15,042	66,265	12.7	16,469	70,346	13.7	17,765	75,746

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 97,240	15.3%	\$14,878	\$ 76,575	15.7%	\$15,267	\$ 79,079	17.8%	\$17,309	\$ 87,878
2020	100,400	15.3	15,361	77,624	15.7	15,763	80,162	17.8	17,871	89,082
2021	103,663	15.3	15,860	78,603	15.7	16,275	81,173	17.8	18,452	90,205
2022	107,032	15.3	16,376	79,502	15.7	16,804	82,101	17.8	19,052	91,236
2023	110,511	15.3	16,908	80,310	15.7	17,350	82,935	17.8	19,671	92,163
2024	114,103	15.3	17,458	81,015	15.7	17,914	83,663	17.8	20,310	92,972
2025	117,811	15.3	18,025	81,605	15.7	18,496	84,272	17.8	20,970	93,649
2026	121,640	15.3	18,611	82,066	15.7	19,097	84,748	17.8	21,652	94,178
2027	125,593	15.3	19,216	82,383	15.7	19,718	85,076	17.8	22,356	94,542
2028	129,675	15.3	19,840	82,540	15.7	20,359	85,238	17.8	23,082	94,723

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - Police

Employer Contribution Rates (Non-Contributory Plan - 5 Year FAS)

(0% member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2019	\$ 97,240	10.8%	\$10,502	\$ 43,003	13.2%	\$12,836	\$ 53,765	12.6%	\$12,252	\$ 52,620
2020	100,400	10.8	10,843	43,592	13.2	13,253	54,502	12.6	12,650	53,341
2021	103,663	10.8	11,196	44,142	13.2	13,684	55,189	12.6	13,062	54,014
2022	107,032	10.8	11,559	44,647	13.2	14,128	55,820	12.6	13,486	54,632
2023	110,511	10.8	11,935	45,101	13.2	14,587	56,387	12.6	13,924	55,187
2024	114,103	10.8	12,323	45,497	13.2	15,062	56,882	12.6	14,377	55,672
2025	117,811	10.8	12,724	45,828	13.2	15,551	57,296	12.6	14,844	56,078
2026	121,640	10.8	13,137	46,087	13.2	16,056	57,620	12.6	15,327	56,395
2027	125,593	10.8	13,564	46,265	13.2	16,578	57,843	12.6	15,825	56,613
2028	129,675	10.8	14,005	46,353	13.2	17,117	57,953	12.6	16,339	56,721

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 97,240	14.6%	\$14,197	\$ 60,981	15.8%	\$15,364	\$ 64,319	16.6%	\$16,142	\$ 69,303
2020	100,400	14.6	14,658	61,816	15.8	15,863	65,200	16.6	16,666	70,252
2021	103,663	14.6	15,135	62,595	15.8	16,379	66,022	16.6	17,208	71,138
2022	107,032	14.6	15,627	63,311	15.8	16,911	66,777	16.6	17,767	71,951
2023	110,511	14.6	16,135	63,954	15.8	17,461	67,456	16.6	18,345	72,682
2024	114,103	14.6	16,659	64,516	15.8	18,028	68,048	16.6	18,941	73,320
2025	117,811	14.6	17,200	64,986	15.8	18,614	68,544	16.6	19,557	73,854
2026	121,640	14.6	17,759	65,353	15.8	19,219	68,931	16.6	20,192	74,271
2027	125,593	14.6	18,337	65,606	15.8	19,844	69,198	16.6	20,848	74,558
2028	129,675	14.6	18,933	65,731	15.8	20,489	69,330	16.6	21,526	74,700

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2019	\$ 97,240	18.2%	\$17,698	\$ 75,261	18.6%	\$18,087	\$ 77,659	20.7%	\$20,129	\$ 86,013
2020	100,400	18.2	18,273	76,292	18.6	18,674	78,723	20.7	20,783	87,191
2021	103,663	18.2	18,867	77,254	18.6	19,281	79,716	20.7	21,458	88,290
2022	107,032	18.2	19,480	78,137	18.6	19,908	80,627	20.7	22,156	89,299
2023	110,511	18.2	20,113	78,931	18.6	20,555	81,446	20.7	22,876	90,206
2024	114,103	18.2	20,767	79,624	18.6	21,223	82,161	20.7	23,619	90,998
2025	117,811	18.2	21,442	80,204	18.6	21,913	82,759	20.7	24,387	91,661
2026	121,640	18.2	22,138	80,657	18.6	22,625	83,227	20.7	25,179	92,179
2027	125,593	18.2	22,858	80,969	18.6	23,360	83,549	20.7	25,998	92,535
2028	129,675	18.2	23,601	81,124	18.6	24,120	83,709	20.7	26,843	92,712

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

City of Linn Creek - Police

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS)

(0% member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 97,240	11.1%	\$10,794	\$ 44,505	13.6%	\$13,225	\$ 55,625	13.0%	\$12,641	\$ 54,463
2020	100,400	11.1	11,144	45,115	13.6	13,654	56,387	13.0	13,052	55,209
2021	103,663	11.1	11,507	45,684	13.6	14,098	57,098	13.0	13,476	55,905
2022	107,032	11.1	11,881	46,206	13.6	14,556	57,751	13.0	13,914	56,544
2023	110,511	11.1	12,267	46,675	13.6	15,029	58,338	13.0	14,366	57,119
2024	114,103	11.1	12,665	47,085	13.6	15,518	58,850	13.0	14,833	57,621
2025	117,811	11.1	13,077	47,428	13.6	16,022	59,279	13.0	15,315	58,041
2026	121,640	11.1	13,502	47,696	13.6	16,543	59,614	13.0	15,813	58,369
2027	125,593	11.1	13,941	47,880	13.6	17,081	59,845	13.0	16,327	58,595
2028	129,675	11.1	14,394	47,971	13.6	17,636	59,959	13.0	16,858	58,707

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 97,240	15.1%	\$14,683	\$ 63,091	16.3%	\$15,850	\$ 66,754	17.2%	\$16,725	\$ 71,742
2020	100,400	15.1	15,160	63,955	16.3	16,365	67,669	17.2	17,269	72,725
2021	103,663	15.1	15,653	64,761	16.3	16,897	68,522	17.2	17,830	73,642
2022	107,032	15.1	16,162	65,501	16.3	17,446	69,305	17.2	18,410	74,484
2023	110,511	15.1	16,687	66,167	16.3	18,013	70,009	17.2	19,008	75,241
2024	114,103	15.1	17,230	66,748	16.3	18,599	70,624	17.2	19,626	75,902
2025	117,811	15.1	17,789	67,234	16.3	19,203	71,138	17.2	20,263	76,455
2026	121,640	15.1	18,368	67,614	16.3	19,827	71,540	17.2	20,922	76,887
2027	125,593	15.1	18,965	67,875	16.3	20,472	71,817	17.2	21,602	77,184
2028	129,675	15.1	19,581	68,005	16.3	21,137	71,954	17.2	22,304	77,331

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2019	\$ 97,240	18.8%	\$18,281	\$ 77,883	19.3%	\$18,767	\$ 80,371	21.4%	\$20,809	\$ 89,000
2020	100,400	18.8	18,875	78,950	19.3	19,377	81,472	21.4	21,486	90,219
2021	103,663	18.8	19,489	79,946	19.3	20,007	82,499	21.4	22,184	91,357
2022	107,032	18.8	20,122	80,860	19.3	20,657	83,442	21.4	22,905	92,401
2023	110,511	18.8	20,776	81,682	19.3	21,329	84,290	21.4	23,649	93,340
2024	114,103	18.8	21,451	82,399	19.3	22,022	85,030	21.4	24,418	94,160
2025	117,811	18.8	22,148	82,999	19.3	22,738	85,649	21.4	25,212	94,846
2026	121,640	18.8	22,868	83,468	19.3	23,477	86,133	21.4	26,031	95,382
2027	125,593	18.8	23,611	83,791	19.3	24,239	86,466	21.4	26,877	95,751
2028	129,675	18.8	24,379	83,951	19.3	25,027	86,631	21.4	27,750	95,934

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.