The Initial Valuation For

Lone Jack Fire Protection District

as of September 30, 2022

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November 11, 2022

Lone Jack Fire Protection District
Lone Jack, 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 - 105.685 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 7 as the normal cost rate and the casualty rate. 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 7 as the prior service cost rate. 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 rate 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 normal cost rate, casualty rate, and prior service cost rate (the total employer contribution rate as shown on pages 4 thru 7). These contributions are mandatory after official action has been taken to join the System.

The total annual dollar costs shown on pages 8 and 9 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, 2022.

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 September 30, 2022. 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,
Gabriel, Roeder, Smith & Company

Mita Drazilov

Mita D. Drazilov, ASA, FCA, MAAA

Alternate Plan Provisions Affecting Employer Contribution Rates

The law governing LAGERS provides for a member contribution rate of either 0%, 2%, 4% or 6%, with benefits based on either a 5 year or 3 year Final Average Salary (FAS).

Member Contribution Rate - 0% Plan. Under the 0% 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.

Member Contribution Rate - 2%, 4% or 6% Plan. Under any plan other than 0%, each covered member contributes a percentage 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.

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 144 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.

Lone Jack Fire Protection District

Employer Contribution Rates
5 Year FAS - Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	Fire	9.00%	0.60%	4.80%	14.40%	12.50%	10.60%	8.70%
L-3	Fire	11.00	0.70	6.00	17.70	15.80	13.90	12.00
LT-4(65)	Fire	11.20	0.60	5.80	17.60	15.70	13.80	11.90
LT-5(65)	Fire	12.60	0.70	6.70	20.00	18.10	16.20	14.30
L-7	Fire	13.00	0.80	7.20	21.00	19.10	17.20	15.30
LT-8(65)	Fire	14.10	0.80	7.70	22.60	20.70	18.80	16.90
L-12	Fire	15.00	0.90	8.40	24.30	22.40	20.50	18.60
LT-14(65)	Fire	15.60	0.90	8.60	25.10	23.20	21.30	19.40
L-6	Fire	17.00	1.00	9.60	27.60	25.70	23.80	21.90

* 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 rate will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

Lone Jack Fire Protection District

Employer Contribution Rates
3 Year FAS - Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	Fire	9.20%	0.60%	4.90%	14.70%	12.80%	10.90%	9.00%
L-3	Fire	11.30	0.70	6.20	18.20	16.30	14.40	12.50
LT-4(65)	Fire	11.50	0.60	5.90	18.00	16.10	14.20	12.30
LT-5(65)	Fire	13.00	0.70	6.90	20.60	18.70	16.80	14.90
L-7	Fire	13.40	0.80	7.40	21.60	19.70	17.80	15.90
LT-8(65)	Fire	14.50	0.80	7.90	23.20	21.30	19.40	17.50
L-12	Fire	15.50	0.90	8.60	25.00	23.10	21.20	19.30
LT-14(65)	Fire	16.10	0.90	8.90	25.90	24.00	22.10	20.20
L-6	Fire	17.60	1.00	9.90	28.50	26.60	24.70	22.80

* 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 rate will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

Lone Jack Fire Protection District

Employer Contribution Rates
5 Year FAS - Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	Fire	9.00%	0.60%	4.80%	14.40%	12.50%	10.60%	8.70%
L-3	Fire	11.10	0.70	6.00	17.80	15.90	14.00	12.10
LT-4(65)	Fire	11.30	0.60	5.80	17.70	15.80	13.90	12.00
LT-5(65)	Fire	12.80	0.70	6.70	20.20	18.30	16.40	14.50
L-7	Fire	13.10	0.80	7.20	21.10	19.20	17.30	15.40
LT-8(65)	Fire	14.30	0.80	7.70	22.80	20.90	19.00	17.10
L-12	Fire	15.10	0.90	8.40	24.40	22.50	20.60	18.70
LT-14(65)	Fire	15.70	0.90	8.60	25.20	23.30	21.40	19.50
L-6	Fire	17.20	1.00	9.60	27.80	25.90	24.00	22.10

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 rate will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

Lone Jack Fire Protection District

Employer Contribution Rates
3 Year FAS - Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll: Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates: 0%	2%	4%	6%
L-1	Fire	9.30%	0.60%	4.90%	14.80%	12.90%	11.00%	9.10%
L-3	Fire	11.40	0.70	6.20	18.30	16.40	14.50	12.60
LT-4(65)	Fire	11.70	0.60	6.00	18.30	16.40	14.50	12.60
LT-5(65)	Fire	13.20	0.70	6.90	20.80	18.90	17.00	15.10
L-7	Fire	13.50	0.80	7.40	21.70	19.80	17.90	16.00
LT-8(65)	Fire	14.70	0.80	7.90	23.40	21.50	19.60	17.70
L-12	Fire	15.60	0.90	8.60	25.10	23.20	21.30	19.40
LT-14(65)	Fire	16.20	0.90	8.90	26.00	24.10	22.20	20.30
L-6	Fire	17.70	1.00	9.90	28.60	26.70	24.80	22.90

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 rate will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

Lone Jack Fire Protection District

<u>Employer Contribution Dollars</u>
<u>Fire</u>

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

Regular Retirement Eligibility

5 Year FAS				
Benefit	**Member Contribution Rate**			
Program	**0%**	**2%**	**4%**	**6%**
L-1	$ 94,228	$ 81,796	$ 69,363	$ 56,930
L-3	115,822	103,390	90,957	78,524
LT-4(65)	115,168	102,735	90,302	77,869
LT-5(65)	130,873	118,440	106,007	93,574
L-7	137,416	124,984	112,551	100,118
LT-8(65)	147,886	135,453	123,020	110,588
L-12	159,010	146,578	134,145	121,712
LT-14(65)	164,245	151,812	139,380	126,947
L-6	180,604	168,172	155,739	143,306

3 Year FAS				
Benefit	**Member Contribution Rate**			
Program	**0%**	**2%**	**4%**	**6%**
L-1	$ 96,192	$ 83,759	$ 71,326	$ 58,893
L-3	119,094	106,661	94,228	81,796
LT-4(65)	117,786	105,353	92,920	80,487
LT-5(65)	134,799	122,366	109,933	97,500
L-7	141,343	128,910	116,477	104,044
LT-8(65)	151,812	139,380	126,947	114,514
L-12	163,591	151,158	138,725	126,292
LT-14(65)	169,480	157,047	144,614	132,182
L-6	186,494	174,061	161,628	149,195

Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit	**Member Contribution Rate**			
Program	**0%**	**2%**	**4%**	**6%**
L-1	$ 94,228	$ 81,796	$ 69,363	$ 56,930
L-3	116,477	104,044	91,611	79,178
LT-4(65)	115,822	103,390	90,957	78,524
LT-5(65)	132,182	119,749	107,316	94,883
L-7	138,071	125,638	113,205	100,772
LT-8(65)	149,195	136,762	124,329	111,896
L-12	159,665	147,232	134,799	122,366
LT-14(65)	164,900	152,467	140,034	127,601
L-6	181,913	169,480	157,047	144,614

3 Year FAS				
Benefit	**Member Contribution Rate**			
Program	**0%**	**2%**	**4%**	**6%**
L-1	$ 96,846	$ 84,413	$ 71,980	$ 59,547
L-3	119,749	107,316	94,883	82,450
LT-4(65)	119,749	107,316	94,883	82,450
LT-5(65)	136,108	123,675	111,242	98,809
L-7	141,997	129,564	117,131	104,698
LT-8(65)	153,121	140,688	128,255	115,822
L-12	164,245	151,812	139,380	126,947
LT-14(65)	170,135	157,702	145,269	132,836
L-6	187,148	174,715	162,282	149,849

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.

Employees and Payroll Included in the Valuation

	Fire
Number of Employees	10
Annual Payroll	$ 654,364

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 7 as the "Prior Service Cost Rate" 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:

Lone Jack Fire Protection District

Regular Retirement Eligibility

		Member Contribution Rate - 0%	
Benefit Group	**Employee Group**	**UAAL (5 Year FAS)**	**UAAL (3 Year FAS)**
L-1	Fire	$ 536,854	$ 552,964
L-3	Fire	671,026	691,206
LT-4(65)	Fire	646,732	666,538
LT-5(65)	Fire	753,450	776,372
L-7	Fire	805,183	829,470
LT-8(65)	Fire	860,158	886,231
L-12	Fire	939,432	967,679
LT-14(65)	Fire	966,917	996,057
L-6	Fire	1,073,622	1,105,939

Lone Jack Fire Protection District

Unfunded Actuarial Accrued Liability (UAAL)

Rule of 80 Retirement Eligibility

Benefit Group	Employee Group	Member Contribution Rate - 0% UAAL (5 Year FAS)	Member Contribution Rate - 0% UAAL (3 Year FAS)
L-1	Fire	$ 537,287	$ 553,420
L-3	Fire	671,562	691,770
LT-4(65)	Fire	647,794	667,643
LT-5(65)	Fire	754,458	777,430
L-7	Fire	805,823	830,132
LT-8(65)	Fire	861,126	887,232
L-12	Fire	940,180	968,479
LT-14(65)	Fire	967,821	997,028
L-6	Fire	1,074,468	1,106,842

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 7.00% 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 2.25% and the wage inflation rate used in making the valuations was 2.75%. The 7.00% investment return rate translates to an assumed real rate of return over price inflation of 4.75% and over wage inflation of 4.25%. Adopted 2021.

2. The healthy retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were 115% of the PubG-2010 Retiree Mortality Table for males and females. The disabled retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were 115% of the PubNS-2010 Disabled Retiree Mortality Table for males and females. The pre-retirement mortality tables used were 75% of the PubG-2010 Employee Mortality Table for males and females of General groups and 75% of the PubS-2010 Employee Mortality Table for males and females of Police, Fire and Public Safety groups. Mortality rates for a particular calendar year are determined by applying the MP-2020 mortality improvement scale to the above described tables. Adopted 2021.

3. The probabilities of withdrawal and disability from service, together with individual pay increase assumptions, are shown in Schedule 1. Adopted 2021.

4. The probabilities of retirement with an age and service allowance are shown in Schedule 2. Adopted 2021.

5. Post-retirement cost of living allowances are assumed to be 2.00% per year. Adopted 2021.

6. Total active member payroll is assumed to increase 2.75% 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 2021.

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.

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

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							
		General/Public Safety Members							
Sample	Years of	Men		Women		Police		Fire	
Ages	Service	Disability	Withdrawal	Disability	Withdrawal	Disability	Withdrawal	Disability	Withdrawal
All	0		20.00%		23.00%		18.00%		12.00%
	1		18.00		21.00		17.00		10.00
	2		16.00		18.00		16.00		8.00
	3		13.00		15.00		14.00		8.00
	4		12.00		13.00		13.00		7.00
25	5 & Over	0.07%	8.80	0.02%	12.40	0.10%	10.80	0.07%	6.00
30		0.10	7.10	0.03	10.20	0.11	8.50	0.11	4.50
35		0.13	5.60	0.06	7.80	0.16	6.30	0.25	3.20
40		0.18	4.10	0.09	5.80	0.22	4.60	0.39	2.40
45		0.25	3.10	0.15	4.40	0.34	3.40	0.62	1.90
50		0.37	2.40	0.22	3.50	0.53	2.10	0.95	1.30
55		0.57	1.70	0.32	2.50	0.88	1.10	1.46	0.70
60		0.86	1.10	0.45	1.40		0.00		0.00
65			0.00		0.00		0.00		0.00

	Percent Increase in Individual's Pay During Next Year		
Sample Ages	General/ Public Safety	Police	Fire
25	6.75%	6.55%	7.15%
30	5.95	5.75	6.05
35	5.35	5.25	5.15
40	4.85	4.75	4.45
45	4.25	4.25	4.05
50	3.85	3.85	3.85
55	3.65	3.65	3.45

Schedule 2.

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

Early Retirement

Retirement	General Members	
Ages	Men	Women
55	3.00%	3.00%
56	3.00%	3.00%
57	3.00%	3.00%
58	3.00%	3.00%
59	3.00%	3.00%

Retirement	Police/	
Ages	Public Safety	Fire
50	2.50%	2.25%
51	2.50%	2.25%
52	3.00%	2.25%
53	3.00%	2.25%
54	3.50%	2.25%

Normal Retirement

Retirement	General Members	
Ages	Men	Women
60	10%	10%
61	10	10
62	25	15
63	20	15
64	20	15
65	25	25
66	25	30
67	20	25
68	20	25
69	20	20
70	100	100

Retirement	Police/	
Ages	Public Safety	Fire
55	11%	13%
56	11	13
57	11	13
58	11	13
59	11	13
60	11	15
61	11	20
62	22	20
63	18	20
64	18	20
65	100	100

Schedule 2. (Concluded)

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

Retirement	General Members		Police/	
Ages	Men	Women	Public Safety	Fire
50	20%	15%	25%	25%
51	20	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	25	15	20	45
63	25	15	20	45
64	25	20	20	45
65	30	25	100	100
66	30	25		
67	20	25		
68	20	25		
69	20	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, 2022
(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, public safety 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, public safety 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 a percent of compensation beginning after completion of sufficient employment for 6 months of credited service. The law governing LAGERS has a provision for the adoption of a 2%, 4% or 6% member contribution rate.

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 0% plan in which the full cost of LAGERS participation is paid by the employer. Adoption of the 0% plan may be done at the time of membership or a later date; however, a change in the member contribution rate may not be made more frequently than every 2 years. Under the 0% plan 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	$ 936	$1,461	97%
2,000	700	1,073	1,773	89%
2,500	875	1,208	2,083	83%
3,000	1,050	1,343	2,393	80%
3,500	1,225	1,480	2,705	77%
4,000	1,400	1,614	3,014	75%
25 Years of Service:				
$1,500	$ 375	$ 936	$1,311	87%
2,000	500	1,073	1,573	79%
2,500	625	1,208	1,833	73%
3,000	750	1,343	2,093	70%
3,500	875	1,480	2,355	67%
4,000	1,000	1,614	2,614	65%
15 Years of Service:				
$1,500	$225	$ 936	$1,161	77%
2,000	300	1,073	1,373	69%
2,500	375	1,208	1,583	63%
3,000	450	1,343	1,793	60%
3,500	525	1,480	2,005	57%
4,000	600	1,614	2,214	55%

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 2022 - 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 $	Estimated Monthly Total % of FAS
35 Years of Service:				
$1,500	$ 656	$ 936	$1,592	106%
2,000	875	1,073	1,948	97%
2,500	1,094	1,208	2,302	92%
3,000	1,313	1,343	2,656	89%
3,500	1,531	1,480	3,011	86%
4,000	1,750	1,614	3,364	84%
25 Years of Service:				
$1,500	$ 469	$ 936	$1,405	94%
2,000	625	1,073	1,698	85%
2,500	781	1,208	1,989	80%
3,000	938	1,343	2,281	76%
3,500	1,094	1,480	2,574	74%
4,000	1,250	1,614	2,864	72%
15 Years of Service:				
$1,500	$281	$ 936	$1,217	81%
2,000	375	1,073	1,448	72%
2,500	469	1,208	1,677	67%
3,000	563	1,343	1,906	64%
3,500	656	1,480	2,136	61%
4,000	750	1,614	2,364	59%

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 2022 - 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 $	Estimated Monthly Total % of FAS
35 Years of Service:				
$1,500	$ 788	$ 936	$1,724	115%
2,000	1,050	1,073	2,123	106%
2,500	1,313	1,208	2,521	101%
3,000	1,575	1,343	2,918	97%
3,500	1,838	1,480	3,318	95%
4,000	2,100	1,614	3,714	93%
25 Years of Service:				
$1,500	$ 563	$ 936	$1,499	100%
2,000	750	1,073	1,823	91%
2,500	938	1,208	2,146	86%
3,000	1,125	1,343	2,468	82%
3,500	1,313	1,480	2,793	80%
4,000	1,500	1,614	3,114	78%
15 Years of Service:				
$1,500	$338	$ 936	$1,274	85%
2,000	450	1,073	1,523	76%
2,500	563	1,208	1,771	71%
3,000	675	1,343	2,018	67%
3,500	788	1,480	2,268	65%
4,000	900	1,614	2,514	63%

[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 2022 - 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 $	Estimated Monthly Total % of FAS
35 Years of Service:				
$1,500	$ 919	$ 936	$1,855	124%
2,000	1,225	1,073	2,298	115%
2,500	1,531	1,208	2,739	110%
3,000	1,838	1,343	3,181	106%
3,500	2,144	1,480	3,624	104%
4,000	2,450	1,614	4,064	102%
25 Years of Service:				
$1,500	$ 656	$ 936	$1,592	106%
2,000	875	1,073	1,948	97%
2,500	1,094	1,208	2,302	92%
3,000	1,313	1,343	2,656	89%
3,500	1,531	1,480	3,011	86%
4,000	1,750	1,614	3,364	84%
15 Years of Service:				
$1,500	$ 394	$ 936	$1,330	89%
2,000	525	1,073	1,598	80%
2,500	656	1,208	1,864	75%
3,000	788	1,343	2,131	71%
3,500	919	1,480	2,399	69%
4,000	1,050	1,614	2,664	67%

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 2022 - 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 $	Estimated Monthly Total % of FAS
35 Years of Service:				
$1,500	$1,050	$ 936	$1,986	132%
2,000	1,400	1,073	2,473	124%
2,500	1,750	1,208	2,958	118%
3,000	2,100	1,343	3,443	115%
3,500	2,450	1,480	3,930	112%
4,000	2,800	1,614	4,414	110%
25 Years of Service:				
$1,500	$ 750	$ 936	$1,686	112%
2,000	1,000	1,073	2,073	104%
2,500	1,250	1,208	2,458	98%
3,000	1,500	1,343	2,843	95%
3,500	1,750	1,480	3,230	92%
4,000	2,000	1,614	3,614	90%
15 Years of Service:				
$1,500	$ 450	$ 936	$1,386	92%
2,000	600	1,073	1,673	84%
2,500	750	1,208	1,958	78%
3,000	900	1,343	2,243	75%
3,500	1,050	1,480	2,530	72%
4,000	1,200	1,614	2,814	70%

[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 2022 - 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] To 65	LAGERS BENEFIT [3] At 65	Estimated Social Security [2]	Estimated Monthly Total To 65	Estimated Monthly Total At 65	Percent of FAS To 65	Percent of FAS At 65
35 Years of Service:							
$1,500	$1,050	$ 525	$ 936	$1,050	$1,461	70%	97%
2,000	1,400	700	1,073	1,400	1,773	70%	89%
2,500	1,750	875	1,208	1,750	2,083	70%	83%
3,000	2,100	1,050	1,343	2,100	2,393	70%	80%
3,500	2,450	1,225	1,480	2,450	2,705	70%	77%
4,000	2,800	1,400	1,614	2,800	3,014	70%	75%
25 Years of Service:							
$1,500	$ 750	$ 375	$ 936	$ 750	$1,311	50%	87%
2,000	1,000	500	1,073	1,000	1,573	50%	79%
2,500	1,250	625	1,208	1,250	1,833	50%	73%
3,000	1,500	750	1,343	1,500	2,093	50%	70%
3,500	1,750	875	1,480	1,750	2,355	50%	67%
4,000	2,000	1,000	1,614	2,000	2,614	50%	65%
15 Years of Service:							
$1,500	$ 450	$225	$ 936	$ 450	$1,161	30%	77%
2,000	600	300	1,073	600	1,373	30%	69%
2,500	750	375	1,208	750	1,583	30%	63%
3,000	900	450	1,343	900	1,793	30%	60%
3,500	1,050	525	1,480	1,050	2,005	30%	57%
4,000	1,200	600	1,614	1,200	2,214	30%	55%

[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 2022 - 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	$ 936	$1,050	$1,592	70%	106%
2,000	1,400	875	1,073	1,400	1,948	70%	97%
2,500	1,750	1,094	1,208	1,750	2,302	70%	92%
3,000	2,100	1,313	1,343	2,100	2,656	70%	89%
3,500	2,450	1,531	1,480	2,450	3,011	70%	86%
4,000	2,800	1,750	1,614	2,800	3,364	70%	84%
25 Years of Service:							
$1,500	$ 750	$ 469	$ 936	$ 750	$1,405	50%	94%
2,000	1,000	625	1,073	1,000	1,698	50%	85%
2,500	1,250	781	1,208	1,250	1,989	50%	80%
3,000	1,500	938	1,343	1,500	2,281	50%	76%
3,500	1,750	1,094	1,480	1,750	2,574	50%	74%
4,000	2,000	1,250	1,614	2,000	2,864	50%	72%
15 Years of Service:							
$1,500	$ 450	$281	$ 936	$ 450	$1,217	30%	81%
2,000	600	375	1,073	600	1,448	30%	72%
2,500	750	469	1,208	750	1,677	30%	67%
3,000	900	563	1,343	900	1,906	30%	64%
3,500	1,050	656	1,480	1,050	2,136	30%	61%
4,000	1,200	750	1,614	1,200	2,364	30%	59%

[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 2022 - 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] To 65	LAGERS BENEFIT [3] At 65	Estimated Social Security [2]	Estimated Monthly Total To 65	Estimated Monthly Total At 65	Percent of FAS To 65	Percent of FAS At 65
35 Years of Service:							
$1,500	$1,050	$ 788	$ 936	$1,050	$1,724	70%	115%
2,000	1,400	1,050	1,073	1,400	2,123	70%	106%
2,500	1,750	1,313	1,208	1,750	2,521	70%	101%
3,000	2,100	1,575	1,343	2,100	2,918	70%	97%
3,500	2,450	1,838	1,480	2,450	3,318	70%	95%
4,000	2,800	2,100	1,614	2,800	3,714	70%	93%
25 Years of Service:							
$1,500	$ 750	$ 563	$ 936	$ 750	$1,499	50%	100%
2,000	1,000	750	1,073	1,000	1,823	50%	91%
2,500	1,250	938	1,208	1,250	2,146	50%	86%
3,000	1,500	1,125	1,343	1,500	2,468	50%	82%
3,500	1,750	1,313	1,480	1,750	2,793	50%	80%
4,000	2,000	1,500	1,614	2,000	3,114	50%	78%
15 Years of Service:							
$1,500	$ 450	$338	$ 936	$ 450	$1,274	30%	85%
2,000	600	450	1,073	600	1,523	30%	76%
2,500	750	563	1,208	750	1,771	30%	71%
3,000	900	675	1,343	900	2,018	30%	67%
3,500	1,050	788	1,480	1,050	2,268	30%	65%
4,000	1,200	900	1,614	1,200	2,514	30%	63%

[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 2022 - 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] To 65	LAGERS BENEFIT [3] At 65	Estimated Social Security [2]	Estimated Monthly Total To 65	Estimated Monthly Total At 65	Percent of FAS To 65	Percent of FAS At 65
35 Years of Service:							
$1,500	$1,050	$ 919	$ 936	$1,050	$1,855	70%	124%
2,000	1,400	1,225	1,073	1,400	2,298	70%	115%
2,500	1,750	1,531	1,208	1,750	2,739	70%	110%
3,000	2,100	1,838	1,343	2,100	3,181	70%	106%
3,500	2,450	2,144	1,480	2,450	3,624	70%	104%
4,000	2,800	2,450	1,614	2,800	4,064	70%	102%
25 Years of Service:							
$1,500	$ 750	$ 656	$ 936	$ 750	$1,592	50%	106%
2,000	1,000	875	1,073	1,000	1,948	50%	97%
2,500	1,250	1,094	1,208	1,250	2,302	50%	92%
3,000	1,500	1,313	1,343	1,500	2,656	50%	89%
3,500	1,750	1,531	1,480	1,750	3,011	50%	86%
4,000	2,000	1,750	1,614	2,000	3,364	50%	84%
15 Years of Service:							
$1,500	$ 450	$ 394	$ 936	$ 450	$1,330	30%	89%
2,000	600	525	1,073	600	1,598	30%	80%
2,500	750	656	1,208	750	1,864	30%	75%
3,000	900	788	1,343	900	2,131	30%	71%
3,500	1,050	919	1,480	1,050	2,399	30%	69%
4,000	1,200	1,050	1,614	1,200	2,664	30%	67%

[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 2022 - 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

Lone Jack Fire Protection District - Fire

September 30, 2022

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	1							1	$ 50,000
30-34	1							1	$ 55,500
35-39	1							1	$ 82,000
40-44			1					1	$ 39,744
45-49	1	1		1				3	$ 229,744
50-54									
55-59		1						1	$ 82,000
60-64			2					2	$ 115,376
65-69									
70 & Over									
Totals	**4**	**2**	**3**	**1**				**10**	**$ 654,364**

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

Age: 45.9 years.
Benefit Service: 7.5 years.
Annual Pay: $65,436.

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 7 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.

800.521.0498 | P: 248.799.9000 | www.grsconsulting.com

November 11, 2022 E-mail

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

Dear Bob:

Enclosed is the report of the September 30, 2022 Initial Actuarial Valuation of LAGERS benefits for the employees of

Lone Jack Fire Protection District

Sincerely,

Mita D. Drazilov, ASA, FCA, MAAA

MDD:wp

One Towne Square | Suite 800 | Southfield, Michigan 48076-3723

800.521.0498 | P: 248.799.9000 | www.grsconsulting.com

November 11, 2022

Lone Jack Fire Protection District
Lone Jack, Missouri

Ladies and Gentlemen:

This report contains 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. This report is intended to be a supplement to the September 30, 2022 Initial Valuation for the Lone Jack Fire Protection District dated November 11, 2022.

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, 2022. The unfunded actuarial accrued liability shown for each member contribution rate option is based on the 0% member contribution rate plan.

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,
Gabriel, Roeder, Smith & Company

Mita D. Drazilov, ASA, FCA, MAAA

One Towne Square | Suite 800 | Southfield, Michigan 48076-3723

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

Regular Retirement Eligibility

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	14.4%	$94,228	$ 536,854	17.7%	$115,822	$ 671,026	17.6%	$115,168	$ 646,732
2023	672,359	14.4	96,820	542,004	17.7	119,008	677,463	17.6	118,335	652,936
2024	690,849	14.4	99,482	546,623	17.7	122,280	683,236	17.6	121,589	658,500
2025	709,847	14.4	102,218	550,648	17.7	125,643	688,268	17.6	124,933	663,349
2026	729,368	14.4	105,029	554,014	17.7	129,098	692,475	17.6	128,369	667,404
2027	749,426	14.4	107,917	556,648	17.7	132,648	695,767	17.6	131,899	670,577
2028	770,035	14.4	110,885	558,472	17.7	136,296	698,047	17.6	135,526	672,775
2029	791,211	14.4	113,934	559,402	17.7	140,044	699,210	17.6	139,253	673,896
2030	812,969	14.4	117,068	559,348	17.7	143,896	699,143	17.6	143,083	673,831
2031	835,326	14.4	120,287	558,212	17.7	147,853	697,723	17.6	147,017	672,463

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	20.0%	$130,873	$ 753,450	21.0%	$137,416	$ 805,183	22.6%	$147,886	$ 860,158
2023	672,359	20.0	134,472	760,678	21.0	141,195	812,907	22.6	151,953	868,409
2024	690,849	20.0	138,170	767,160	21.0	145,078	819,834	22.6	156,132	875,809
2025	709,847	20.0	141,969	772,810	21.0	149,068	825,871	22.6	160,425	882,259
2026	729,368	20.0	145,874	777,534	21.0	153,167	830,919	22.6	164,837	887,652
2027	749,426	20.0	149,885	781,231	21.0	157,379	834,869	22.6	169,370	891,872
2028	770,035	20.0	154,007	783,791	21.0	161,707	837,605	22.6	174,028	894,795
2029	791,211	20.0	158,242	785,097	21.0	166,154	839,001	22.6	178,814	896,286
2030	812,969	20.0	162,594	785,021	21.0	170,723	838,920	22.6	183,731	896,200
2031	835,326	20.0	167,065	783,427	21.0	175,418	837,216	22.6	188,784	894,380

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	24.3%	$159,010	$ 939,432	25.1%	$164,245	$ 966,917	27.6%	$180,604	$ 1,073,622
2023	672,359	24.3	163,383	948,444	25.1	168,762	976,192	27.6	185,571	1,083,921
2024	690,849	24.3	167,876	956,526	25.1	173,403	984,510	27.6	190,674	1,093,157
2025	709,847	24.3	172,493	963,570	25.1	178,172	991,760	27.6	195,918	1,101,207
2026	729,368	24.3	177,236	969,460	25.1	183,071	997,822	27.6	201,306	1,107,938
2027	749,426	24.3	182,111	974,069	25.1	188,106	1,002,566	27.6	206,842	1,113,205
2028	770,035	24.3	187,119	977,261	25.1	193,279	1,005,851	27.6	212,530	1,116,853
2029	791,211	24.3	192,264	978,889	25.1	198,594	1,007,527	27.6	218,374	1,118,714
2030	812,969	24.3	197,551	978,795	25.1	204,055	1,007,430	27.6	224,379	1,118,606
2031	835,326	24.3	202,984	976,807	25.1	209,667	1,005,384	27.6	230,550	1,116,334

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS)
(Member contributions are additional)

Regular Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	12.5%	$81,796	$ 536,854	15.8%	$103,390	$ 671,026	15.7%	$102,735	$ 646,732
2023	672,359	12.5	84,045	542,004	15.8	106,233	677,463	15.7	105,560	652,936
2024	690,849	12.5	86,356	546,623	15.8	109,154	683,236	15.7	108,463	658,500
2025	709,847	12.5	88,731	550,648	15.8	112,156	688,268	15.7	111,446	663,349
2026	729,368	12.5	91,171	554,014	15.8	115,240	692,475	15.7	114,511	667,404
2027	749,426	12.5	93,678	556,648	15.8	118,409	695,767	15.7	117,660	670,577
2028	770,035	12.5	96,254	558,472	15.8	121,666	698,047	15.7	120,895	672,775
2029	791,211	12.5	98,901	559,402	15.8	125,011	699,210	15.7	124,220	673,896
2030	812,969	12.5	101,621	559,348	15.8	128,449	699,143	15.7	127,636	673,831
2031	835,326	12.5	104,416	558,212	15.8	131,982	697,723	15.7	131,146	672,463

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	18.1%	$118,440	$ 753,450	19.1%	$124,984	$ 805,183	20.7%	$135,453	$ 860,158
2023	672,359	18.1	121,697	760,678	19.1	128,421	812,907	20.7	139,178	868,409
2024	690,849	18.1	125,044	767,160	19.1	131,952	819,834	20.7	143,006	875,809
2025	709,847	18.1	128,482	772,810	19.1	135,581	825,871	20.7	146,938	882,259
2026	729,368	18.1	132,016	777,534	19.1	139,309	830,919	20.7	150,979	887,652
2027	749,426	18.1	135,646	781,231	19.1	143,140	834,869	20.7	155,131	891,872
2028	770,035	18.1	139,376	783,791	19.1	147,077	837,605	20.7	159,397	894,795
2029	791,211	18.1	143,209	785,097	19.1	151,121	839,001	20.7	163,781	896,286
2030	812,969	18.1	147,147	785,021	19.1	155,277	838,920	20.7	168,285	896,200
2031	835,326	18.1	151,194	783,427	19.1	159,547	837,216	20.7	172,912	894,380

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	22.4%	$146,578	$ 939,432	23.2%	$151,812	$ 966,917	25.7%	$168,172	$ 1,073,622
2023	672,359	22.4	150,608	948,444	23.2	155,987	976,192	25.7	172,796	1,083,921
2024	690,849	22.4	154,750	956,526	23.2	160,277	984,510	25.7	177,548	1,093,157
2025	709,847	22.4	159,006	963,570	23.2	164,685	991,760	25.7	182,431	1,101,207
2026	729,368	22.4	163,378	969,460	23.2	169,213	997,822	25.7	187,448	1,107,938
2027	749,426	22.4	167,871	974,069	23.2	173,867	1,002,566	25.7	192,602	1,113,205
2028	770,035	22.4	172,488	977,261	23.2	178,648	1,005,851	25.7	197,899	1,116,853
2029	791,211	22.4	177,231	978,889	23.2	183,561	1,007,527	25.7	203,341	1,118,714
2030	812,969	22.4	182,105	978,795	23.2	188,609	1,007,430	25.7	208,933	1,118,606
2031	835,326	22.4	187,113	976,807	23.2	193,796	1,005,384	25.7	214,679	1,116,334

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS)
(Member contributions are additional)

Regular Retirement Eligibility

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	10.6%	$69,363	$ 536,854	13.9%	$90,957	$ 671,026	13.8%	$90,302	$ 646,732
2023	672,359	10.6	71,270	542,004	13.9	93,458	677,463	13.8	92,786	652,936
2024	690,849	10.6	73,230	546,623	13.9	96,028	683,236	13.8	95,337	658,500
2025	709,847	10.6	75,244	550,648	13.9	98,669	688,268	13.8	97,959	663,349
2026	729,368	10.6	77,313	554,014	13.9	101,382	692,475	13.8	100,653	667,404
2027	749,426	10.6	79,439	556,648	13.9	104,170	695,767	13.8	103,421	670,577
2028	770,035	10.6	81,624	558,472	13.9	107,035	698,047	13.8	106,265	672,775
2029	791,211	10.6	83,868	559,402	13.9	109,978	699,210	13.8	109,187	673,896
2030	812,969	10.6	86,175	559,348	13.9	113,003	699,143	13.8	112,190	673,831
2031	835,326	10.6	88,545	558,212	13.9	116,110	697,723	13.8	115,275	672,463

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	16.2%	$106,007	$ 753,450	17.2%	$112,551	$ 805,183	18.8%	$123,020	$ 860,158
2023	672,359	16.2	108,922	760,678	17.2	115,646	812,907	18.8	126,403	868,409
2024	690,849	16.2	111,918	767,160	17.2	118,826	819,834	18.8	129,880	875,809
2025	709,847	16.2	114,995	772,810	17.2	122,094	825,871	18.8	133,451	882,259
2026	729,368	16.2	118,158	777,534	17.2	125,451	830,919	18.8	137,121	887,652
2027	749,426	16.2	121,407	781,231	17.2	128,901	834,869	18.8	140,892	891,872
2028	770,035	16.2	124,746	783,791	17.2	132,446	837,605	18.8	144,767	894,795
2029	791,211	16.2	128,176	785,097	17.2	136,088	839,001	18.8	148,748	896,286
2030	812,969	16.2	131,701	785,021	17.2	139,831	838,920	18.8	152,838	896,200
2031	835,326	16.2	135,323	783,427	17.2	143,676	837,216	18.8	157,041	894,380

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	20.5%	$134,145	$ 939,432	21.3%	$139,380	$ 966,917	23.8%	$155,739	$ 1,073,622
2023	672,359	20.5	137,834	948,444	21.3	143,212	976,192	23.8	160,021	1,083,921
2024	690,849	20.5	141,624	956,526	21.3	147,151	984,510	23.8	164,422	1,093,157
2025	709,847	20.5	145,519	963,570	21.3	151,197	991,760	23.8	168,944	1,101,207
2026	729,368	20.5	149,520	969,460	21.3	155,355	997,822	23.8	173,590	1,107,938
2027	749,426	20.5	153,632	974,069	21.3	159,628	1,002,566	23.8	178,363	1,113,205
2028	770,035	20.5	157,857	977,261	21.3	164,017	1,005,851	23.8	183,268	1,116,853
2029	791,211	20.5	162,198	978,889	21.3	168,528	1,007,527	23.8	188,308	1,118,714
2030	812,969	20.5	166,659	978,795	21.3	173,162	1,007,430	23.8	193,487	1,118,606
2031	835,326	20.5	171,242	976,807	21.3	177,924	1,005,384	23.8	198,808	1,116,334

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS)
(Member contributions are additional)

Regular Retirement Eligibility

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	8.7%	$56,930	$ 536,854	12.0%	$78,524	$ 671,026	11.9%	$77,869	$ 646,732
2023	672,359	8.7	58,495	542,004	12.0	80,683	677,463	11.9	80,011	652,936
2024	690,849	8.7	60,104	546,623	12.0	82,902	683,236	11.9	82,211	658,500
2025	709,847	8.7	61,757	550,648	12.0	85,182	688,268	11.9	84,472	663,349
2026	729,368	8.7	63,455	554,014	12.0	87,524	692,475	11.9	86,795	667,404
2027	749,426	8.7	65,200	556,648	12.0	89,931	695,767	11.9	89,182	670,577
2028	770,035	8.7	66,993	558,472	12.0	92,404	698,047	11.9	91,634	672,775
2029	791,211	8.7	68,835	559,402	12.0	94,945	699,210	11.9	94,154	673,896
2030	812,969	8.7	70,728	559,348	12.0	97,556	699,143	11.9	96,743	673,831
2031	835,326	8.7	72,673	558,212	12.0	100,239	697,723	11.9	99,404	672,463

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	14.3%	$93,574	$ 753,450	15.3%	$100,118	$ 805,183	16.9%	$110,588	$ 860,158
2023	672,359	14.3	96,147	760,678	15.3	102,871	812,907	16.9	113,629	868,409
2024	690,849	14.3	98,791	767,160	15.3	105,700	819,834	16.9	116,753	875,809
2025	709,847	14.3	101,508	772,810	15.3	108,607	825,871	16.9	119,964	882,259
2026	729,368	14.3	104,300	777,534	15.3	111,593	830,919	16.9	123,263	887,652
2027	749,426	14.3	107,168	781,231	15.3	114,662	834,869	16.9	126,653	891,872
2028	770,035	14.3	110,115	783,791	15.3	117,815	837,605	16.9	130,136	894,795
2029	791,211	14.3	113,143	785,097	15.3	121,055	839,001	16.9	133,715	896,286
2030	812,969	14.3	116,255	785,021	15.3	124,384	838,920	16.9	137,392	896,200
2031	835,326	14.3	119,452	783,427	15.3	127,805	837,216	16.9	141,170	894,380

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	18.6%	$121,712	$ 939,432	19.4%	$126,947	$ 966,917	21.9%	$143,306	$ 1,073,622
2023	672,359	18.6	125,059	948,444	19.4	130,438	976,192	21.9	147,247	1,083,921
2024	690,849	18.6	128,498	956,526	19.4	134,025	984,510	21.9	151,296	1,093,157
2025	709,847	18.6	132,032	963,570	19.4	137,710	991,760	21.9	155,456	1,101,207
2026	729,368	18.6	135,662	969,460	19.4	141,497	997,822	21.9	159,732	1,107,938
2027	749,426	18.6	139,393	974,069	19.4	145,389	1,002,566	21.9	164,124	1,113,205
2028	770,035	18.6	143,227	977,261	19.4	149,387	1,005,851	21.9	168,638	1,116,853
2029	791,211	18.6	147,165	978,889	19.4	153,495	1,007,527	21.9	173,275	1,118,714
2030	812,969	18.6	151,212	978,795	19.4	157,716	1,007,430	21.9	178,040	1,118,606
2031	835,326	18.6	155,371	976,807	19.4	162,053	1,005,384	21.9	182,936	1,116,334

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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 28^{th} 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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

Regular Retirement Eligibility

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	14.7%	$96,192	$ 552,964	18.2%	$119,094	$ 691,206	18.0%	$117,786	$ 666,538
2023	672,359	14.7	98,837	558,268	18.2	122,369	697,837	18.0	121,025	672,932
2024	690,849	14.7	101,555	563,025	18.2	125,735	703,783	18.0	124,353	678,666
2025	709,847	14.7	104,348	567,171	18.2	129,192	708,966	18.0	127,772	683,664
2026	729,368	14.7	107,217	570,638	18.2	132,745	713,299	18.0	131,286	687,843
2027	749,426	14.7	110,166	573,351	18.2	136,396	716,690	18.0	134,897	691,113
2028	770,035	14.7	113,195	575,230	18.2	140,146	719,039	18.0	138,606	693,378
2029	791,211	14.7	116,308	576,188	18.2	144,000	720,237	18.0	142,418	694,533
2030	812,969	14.7	119,506	576,133	18.2	147,960	720,168	18.0	146,334	694,466
2031	835,326	14.7	122,793	574,963	18.2	152,029	718,705	18.0	150,359	693,056

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	20.6%	$134,799	$ 776,372	21.6%	$141,343	$ 829,470	23.2%	$151,812	$ 886,231
2023	672,359	20.6	138,506	783,819	21.6	145,230	837,427	23.2	155,987	894,732
2024	690,849	20.6	142,315	790,498	21.6	149,223	844,563	23.2	160,277	902,356
2025	709,847	20.6	146,228	796,319	21.6	153,327	850,783	23.2	164,685	909,001
2026	729,368	20.6	150,250	801,186	21.6	157,543	855,983	23.2	169,213	914,557
2027	749,426	20.6	154,382	804,995	21.6	161,876	860,052	23.2	173,867	918,905
2028	770,035	20.6	158,627	807,633	21.6	166,328	862,870	23.2	178,648	921,916
2029	791,211	20.6	162,989	808,979	21.6	170,902	864,308	23.2	183,561	923,452
2030	812,969	20.6	167,472	808,901	21.6	175,601	864,225	23.2	188,609	923,363
2031	835,326	20.6	172,077	807,258	21.6	180,430	862,470	23.2	193,796	921,488

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	25.0%	$163,591	$ 967,679	25.9%	$169,480	$ 996,057	28.5%	$186,494	$ 1,105,939
2023	672,359	25.0	168,090	976,962	25.9	174,141	1,005,612	28.5	191,622	1,116,548
2024	690,849	25.0	172,712	985,287	25.9	178,930	1,014,181	28.5	196,892	1,126,062
2025	709,847	25.0	177,462	992,543	25.9	183,850	1,021,650	28.5	202,306	1,134,355
2026	729,368	25.0	182,342	998,610	25.9	188,906	1,027,895	28.5	207,870	1,141,288
2027	749,426	25.0	187,357	1,003,358	25.9	194,101	1,032,782	28.5	213,586	1,146,714
2028	770,035	25.0	192,509	1,006,646	25.9	199,439	1,036,167	28.5	219,460	1,150,472
2029	791,211	25.0	197,803	1,008,323	25.9	204,924	1,037,893	28.5	225,495	1,152,389
2030	812,969	25.0	203,242	1,008,226	25.9	210,559	1,037,793	28.5	231,696	1,152,278
2031	835,326	25.0	208,832	1,006,178	25.9	216,349	1,035,685	28.5	238,068	1,149,938

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS)
(Member contributions are additional)

Regular Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	12.8%	$83,759	$ 552,964	16.3%	$106,661	$ 691,206	16.1%	$105,353	$ 666,538
2023	672,359	12.8	86,062	558,268	16.3	109,595	697,837	16.1	108,250	672,932
2024	690,849	12.8	88,429	563,025	16.3	112,608	703,783	16.1	111,227	678,666
2025	709,847	12.8	90,860	567,171	16.3	115,705	708,966	16.1	114,285	683,664
2026	729,368	12.8	93,359	570,638	16.3	118,887	713,299	16.1	117,428	687,843
2027	749,426	12.8	95,927	573,351	16.3	122,156	716,690	16.1	120,658	691,113
2028	770,035	12.8	98,564	575,230	16.3	125,516	719,039	16.1	123,976	693,378
2029	791,211	12.8	101,275	576,188	16.3	128,967	720,237	16.1	127,385	694,533
2030	812,969	12.8	104,060	576,133	16.3	132,514	720,168	16.1	130,888	694,466
2031	835,326	12.8	106,922	574,963	16.3	136,158	718,705	16.1	134,487	693,056

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	18.7%	$122,366	$ 776,372	19.7%	$128,910	$ 829,470	21.3%	$139,380	$ 886,231
2023	672,359	18.7	125,731	783,819	19.7	132,455	837,427	21.3	143,212	894,732
2024	690,849	18.7	129,189	790,498	19.7	136,097	844,563	21.3	147,151	902,356
2025	709,847	18.7	132,741	796,319	19.7	139,840	850,783	21.3	151,197	909,001
2026	729,368	18.7	136,392	801,186	19.7	143,685	855,983	21.3	155,355	914,557
2027	749,426	18.7	140,143	804,995	19.7	147,637	860,052	21.3	159,628	918,905
2028	770,035	18.7	143,997	807,633	19.7	151,697	862,870	21.3	164,017	921,916
2029	791,211	18.7	147,956	808,979	19.7	155,869	864,308	21.3	168,528	923,452
2030	812,969	18.7	152,025	808,901	19.7	160,155	864,225	21.3	173,162	923,363
2031	835,326	18.7	156,206	807,258	19.7	164,559	862,470	21.3	177,924	921,488

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	23.1%	$151,158	$ 967,679	24.0%	$157,047	$ 996,057	26.6%	$174,061	$ 1,105,939
2023	672,359	23.1	155,315	976,962	24.0	161,366	1,005,612	26.6	178,847	1,116,548
2024	690,849	23.1	159,586	985,287	24.0	165,804	1,014,181	26.6	183,766	1,126,062
2025	709,847	23.1	163,975	992,543	24.0	170,363	1,021,650	26.6	188,819	1,134,355
2026	729,368	23.1	168,484	998,610	24.0	175,048	1,027,895	26.6	194,012	1,141,288
2027	749,426	23.1	173,117	1,003,358	24.0	179,862	1,032,782	26.6	199,347	1,146,714
2028	770,035	23.1	177,878	1,006,646	24.0	184,808	1,036,167	26.6	204,829	1,150,472
2029	791,211	23.1	182,770	1,008,323	24.0	189,891	1,037,893	26.6	210,462	1,152,389
2030	812,969	23.1	187,796	1,008,226	24.0	195,113	1,037,793	26.6	216,250	1,152,278
2031	835,326	23.1	192,960	1,006,178	24.0	200,478	1,035,685	26.6	222,197	1,149,938

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS)

(Member contributions are additional)

Regular Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	10.9%	$71,326	$ 552,964	14.4%	$94,228	$ 691,206	14.2%	$92,920	$ 666,538
2023	672,359	10.9	73,287	558,268	14.4	96,820	697,837	14.2	95,475	672,932
2024	690,849	10.9	75,303	563,025	14.4	99,482	703,783	14.2	98,101	678,666
2025	709,847	10.9	77,373	567,171	14.4	102,218	708,966	14.2	100,798	683,664
2026	729,368	10.9	79,501	570,638	14.4	105,029	713,299	14.2	103,570	687,843
2027	749,426	10.9	81,687	573,351	14.4	107,917	716,690	14.2	106,418	691,113
2028	770,035	10.9	83,934	575,230	14.4	110,885	719,039	14.2	109,345	693,378
2029	791,211	10.9	86,242	576,188	14.4	113,934	720,237	14.2	112,352	694,533
2030	812,969	10.9	88,614	576,133	14.4	117,068	720,168	14.2	115,442	694,466
2031	835,326	10.9	91,051	574,963	14.4	120,287	718,705	14.2	118,616	693,056

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	16.8%	$109,933	$ 776,372	17.8%	$116,477	$ 829,470	19.4%	$126,947	$ 886,231
2023	672,359	16.8	112,956	783,819	17.8	119,680	837,427	19.4	130,438	894,732
2024	690,849	16.8	116,063	790,498	17.8	122,971	844,563	19.4	134,025	902,356
2025	709,847	16.8	119,254	796,319	17.8	126,353	850,783	19.4	137,710	909,001
2026	729,368	16.8	122,534	801,186	17.8	129,828	855,983	19.4	141,497	914,557
2027	749,426	16.8	125,904	804,995	17.8	133,398	860,052	19.4	145,389	918,905
2028	770,035	16.8	129,366	807,633	17.8	137,066	862,870	19.4	149,387	921,916
2029	791,211	16.8	132,923	808,979	17.8	140,836	864,308	19.4	153,495	923,452
2030	812,969	16.8	136,579	808,901	17.8	144,708	864,225	19.4	157,716	923,363
2031	835,326	16.8	140,335	807,258	17.8	148,688	862,470	19.4	162,053	921,488

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	21.2%	$138,725	$ 967,679	22.1%	$144,614	$ 996,057	24.7%	$161,628	$ 1,105,939
2023	672,359	21.2	142,540	976,962	22.1	148,591	1,005,612	24.7	166,073	1,116,548
2024	690,849	21.2	146,460	985,287	22.1	152,678	1,014,181	24.7	170,640	1,126,062
2025	709,847	21.2	150,488	992,543	22.1	156,876	1,021,650	24.7	175,332	1,134,355
2026	729,368	21.2	154,626	998,610	22.1	161,190	1,027,895	24.7	180,154	1,141,288
2027	749,426	21.2	158,878	1,003,358	22.1	165,623	1,032,782	24.7	185,108	1,146,714
2028	770,035	21.2	163,247	1,006,646	22.1	170,178	1,036,167	24.7	190,199	1,150,472
2029	791,211	21.2	167,737	1,008,323	22.1	174,858	1,037,893	24.7	195,429	1,152,389
2030	812,969	21.2	172,349	1,008,226	22.1	179,666	1,037,793	24.7	200,803	1,152,278
2031	835,326	21.2	177,089	1,006,178	22.1	184,607	1,035,685	24.7	206,326	1,149,938

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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 28^{th} 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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS)
(Member contributions are additional)

Regular Retirement Eligibility

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	9.0%	$58,893	$ 552,964	12.5%	$81,796	$ 691,206	12.3%	$80,487	$ 666,538
2023	672,359	9.0	60,512	558,268	12.5	84,045	697,837	12.3	82,700	672,932
2024	690,849	9.0	62,176	563,025	12.5	86,356	703,783	12.3	84,974	678,666
2025	709,847	9.0	63,886	567,171	12.5	88,731	708,966	12.3	87,311	683,664
2026	729,368	9.0	65,643	570,638	12.5	91,171	713,299	12.3	89,712	687,843
2027	749,426	9.0	67,448	573,351	12.5	93,678	716,690	12.3	92,179	691,113
2028	770,035	9.0	69,303	575,230	12.5	96,254	719,039	12.3	94,714	693,378
2029	791,211	9.0	71,209	576,188	12.5	98,901	720,237	12.3	97,319	694,533
2030	812,969	9.0	73,167	576,133	12.5	101,621	720,168	12.3	99,995	694,466
2031	835,326	9.0	75,179	574,963	12.5	104,416	718,705	12.3	102,745	693,056

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	14.9%	$97,500	$ 776,372	15.9%	$104,044	$ 829,470	17.5%	$114,514	$ 886,231
2023	672,359	14.9	100,181	783,819	15.9	106,905	837,427	17.5	117,663	894,732
2024	690,849	14.9	102,937	790,498	15.9	109,845	844,563	17.5	120,899	902,356
2025	709,847	14.9	105,767	796,319	15.9	112,866	850,783	17.5	124,223	909,001
2026	729,368	14.9	108,676	801,186	15.9	115,970	855,983	17.5	127,639	914,557
2027	749,426	14.9	111,664	804,995	15.9	119,159	860,052	17.5	131,150	918,905
2028	770,035	14.9	114,735	807,633	15.9	122,436	862,870	17.5	134,756	921,916
2029	791,211	14.9	117,890	808,979	15.9	125,803	864,308	17.5	138,462	923,452
2030	812,969	14.9	121,132	808,901	15.9	129,262	864,225	17.5	142,270	923,363
2031	835,326	14.9	124,464	807,258	15.9	132,817	862,470	17.5	146,182	921,488

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	19.3%	$126,292	$ 967,679	20.2%	$132,182	$ 996,057	22.8%	$149,195	$ 1,105,939
2023	672,359	19.3	129,765	976,962	20.2	135,817	1,005,612	22.8	153,298	1,116,548
2024	690,849	19.3	133,334	985,287	20.2	139,551	1,014,181	22.8	157,514	1,126,062
2025	709,847	19.3	137,000	992,543	20.2	143,389	1,021,650	22.8	161,845	1,134,355
2026	729,368	19.3	140,768	998,610	20.2	147,332	1,027,895	22.8	166,296	1,141,288
2027	749,426	19.3	144,639	1,003,358	20.2	151,384	1,032,782	22.8	170,869	1,146,714
2028	770,035	19.3	148,617	1,006,646	20.2	155,547	1,036,167	22.8	175,568	1,150,472
2029	791,211	19.3	152,704	1,008,323	20.2	159,825	1,037,893	22.8	180,396	1,152,389
2030	812,969	19.3	156,903	1,008,226	20.2	164,220	1,037,793	22.8	185,357	1,152,278
2031	835,326	19.3	161,218	1,006,178	20.2	168,736	1,035,685	22.8	190,454	1,149,938

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

Rule of 80 Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	14.4%	$94,228	$ 537,287	17.8%	$116,477	$ 671,562	17.7%	$115,822	$ 647,794
2023	672,359	14.4	96,820	542,441	17.8	119,680	678,004	17.7	119,008	654,008
2024	690,849	14.4	99,482	547,063	17.8	122,971	683,781	17.7	122,280	659,581
2025	709,847	14.4	102,218	551,092	17.8	126,353	688,817	17.7	125,643	664,438
2026	729,368	14.4	105,029	554,460	17.8	129,828	693,027	17.7	129,098	668,499
2027	749,426	14.4	107,917	557,096	17.8	133,398	696,322	17.7	132,648	671,677
2028	770,035	14.4	110,885	558,922	17.8	137,066	698,604	17.7	136,296	673,878
2029	791,211	14.4	113,934	559,853	17.8	140,836	699,768	17.7	140,044	675,001
2030	812,969	14.4	117,068	559,799	17.8	144,708	699,701	17.7	143,896	674,936
2031	835,326	14.4	120,287	558,662	17.8	148,688	698,280	17.7	147,853	673,565

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	20.2%	$132,182	$ 754,458	21.1%	$138,071	$ 805,823	22.8%	$149,195	$ 861,126
2023	672,359	20.2	135,817	761,695	21.1	141,868	813,553	22.8	153,298	869,386
2024	690,849	20.2	139,551	768,186	21.1	145,769	820,485	22.8	157,514	876,794
2025	709,847	20.2	143,389	773,843	21.1	149,778	826,527	22.8	161,845	883,251
2026	729,368	20.2	147,332	778,573	21.1	153,897	831,579	22.8	166,296	888,650
2027	749,426	20.2	151,384	782,274	21.1	158,129	835,532	22.8	170,869	892,875
2028	770,035	20.2	155,547	784,838	21.1	162,477	838,270	22.8	175,568	895,801
2029	791,211	20.2	159,825	786,146	21.1	166,946	839,667	22.8	180,396	897,294
2030	812,969	20.2	164,220	786,070	21.1	171,536	839,586	22.8	185,357	897,208
2031	835,326	20.2	168,736	784,474	21.1	176,254	837,881	22.8	190,454	895,386

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	24.4%	$159,665	$ 940,180	25.2%	$164,900	$ 967,821	27.8%	$181,913	$ 1,074,468
2023	672,359	24.4	164,056	949,199	25.2	169,434	977,105	27.8	186,916	1,084,775
2024	690,849	24.4	168,567	957,287	25.2	174,094	985,431	27.8	192,056	1,094,019
2025	709,847	24.4	173,203	964,337	25.2	178,881	992,688	27.8	197,337	1,102,076
2026	729,368	24.4	177,966	970,231	25.2	183,801	998,756	27.8	202,764	1,108,812
2027	749,426	24.4	182,860	974,844	25.2	188,855	1,003,504	27.8	208,340	1,114,083
2028	770,035	24.4	187,889	978,039	25.2	194,049	1,006,793	27.8	214,070	1,117,734
2029	791,211	24.4	193,055	979,669	25.2	199,385	1,008,470	27.8	219,957	1,119,596
2030	812,969	24.4	198,364	979,575	25.2	204,868	1,008,373	27.8	226,005	1,119,488
2031	835,326	24.4	203,820	977,586	25.2	210,502	1,006,325	27.8	232,221	1,117,215

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS)
(Member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program: Estimated Employer Contribution As a % of Payroll	L-1: Annual Dollars	L-1: Unfunded Actuarial Accrued Liability	L-3 Benefit Program: Estimated Employer Contribution As a % of Payroll	L-3: Annual Dollars	L-3: Unfunded Actuarial Accrued Liability	LT-4(65) Benefit Program: Estimated Employer Contribution As a % of Payroll	LT-4(65): Annual Dollars	LT-4(65): Unfunded Actuarial Accrued Liability
2022	$ 654,364	12.5%	$81,796	$ 537,287	15.9%	$104,044	$ 671,562	15.8%	$103,390	$ 647,794
2023	672,359	12.5	84,045	542,441	15.9	106,905	678,004	15.8	106,233	654,008
2024	690,849	12.5	86,356	547,063	15.9	109,845	683,781	15.8	109,154	659,581
2025	709,847	12.5	88,731	551,092	15.9	112,866	688,817	15.8	112,156	664,438
2026	729,368	12.5	91,171	554,460	15.9	115,970	693,027	15.8	115,240	668,499
2027	749,426	12.5	93,678	557,096	15.9	119,159	696,322	15.8	118,409	671,677
2028	770,035	12.5	96,254	558,922	15.9	122,436	698,604	15.8	121,666	673,878
2029	791,211	12.5	98,901	559,853	15.9	125,803	699,768	15.8	125,011	675,001
2030	812,969	12.5	101,621	559,799	15.9	129,262	699,701	15.8	128,449	674,936
2031	835,326	12.5	104,416	558,662	15.9	132,817	698,280	15.8	131,982	673,565

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program: Estimated Employer Contribution As a % of Payroll	LT-5(65): Annual Dollars	LT-5(65): Unfunded Actuarial Accrued Liability	L-7 Benefit Program: Estimated Employer Contribution As a % of Payroll	L-7: Annual Dollars	L-7: Unfunded Actuarial Accrued Liability	LT-8(65) Benefit Program: Estimated Employer Contribution As a % of Payroll	LT-8(65): Annual Dollars	LT-8(65): Unfunded Actuarial Accrued Liability
2022	$ 654,364	18.3%	$119,749	$ 754,458	19.2%	$125,638	$ 805,823	20.9%	$136,762	$ 861,126
2023	672,359	18.3	123,042	761,695	19.2	129,093	813,553	20.9	140,523	869,386
2024	690,849	18.3	126,425	768,186	19.2	132,643	820,485	20.9	144,387	876,794
2025	709,847	18.3	129,902	773,843	19.2	136,291	826,527	20.9	148,358	883,251
2026	729,368	18.3	133,474	778,573	19.2	140,039	831,579	20.9	152,438	888,650
2027	749,426	18.3	137,145	782,274	19.2	143,890	835,532	20.9	156,630	892,875
2028	770,035	18.3	140,916	784,838	19.2	147,847	838,270	20.9	160,937	895,801
2029	791,211	18.3	144,792	786,146	19.2	151,913	839,667	20.9	165,363	897,294
2030	812,969	18.3	148,773	786,070	19.2	156,090	839,586	20.9	169,911	897,208
2031	835,326	18.3	152,865	784,474	19.2	160,383	837,881	20.9	174,583	895,386

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program: Estimated Employer Contribution As a % of Payroll	L-12: Annual Dollars	L-12: Unfunded Actuarial Accrued Liability	LT-14(65) Benefit Program: Estimated Employer Contribution As a % of Payroll	LT-14(65): Annual Dollars	LT-14(65): Unfunded Actuarial Accrued Liability	L-6 Benefit Program: Estimated Employer Contribution As a % of Payroll	L-6: Annual Dollars	L-6: Unfunded Actuarial Accrued Liability
2022	$ 654,364	22.5%	$147,232	$ 940,180	23.3%	$152,467	$ 967,821	25.9%	$169,480	$ 1,074,468
2023	672,359	22.5	151,281	949,199	23.3	156,660	977,105	25.9	174,141	1,084,775
2024	690,849	22.5	155,441	957,287	23.3	160,968	985,431	25.9	178,930	1,094,019
2025	709,847	22.5	159,716	964,337	23.3	165,394	992,688	25.9	183,850	1,102,076
2026	729,368	22.5	164,108	970,231	23.3	169,943	998,756	25.9	188,906	1,108,812
2027	749,426	22.5	168,621	974,844	23.3	174,616	1,003,504	25.9	194,101	1,114,083
2028	770,035	22.5	173,258	978,039	23.3	179,418	1,006,793	25.9	199,439	1,117,734
2029	791,211	22.5	178,022	979,669	23.3	184,352	1,008,470	25.9	204,924	1,119,596
2030	812,969	22.5	182,918	979,575	23.3	189,422	1,008,373	25.9	210,559	1,119,488
2031	835,326	22.5	187,948	977,586	23.3	194,631	1,006,325	25.9	216,349	1,117,215

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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 28^{th} 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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS)
(Member contributions are additional)

Rule of 80 Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	10.6%	$69,363	$ 537,287	14.0%	$91,611	$ 671,562	13.9%	$90,957	$ 647,794
2023	672,359	10.6	71,270	542,441	14.0	94,130	678,004	13.9	93,458	654,008
2024	690,849	10.6	73,230	547,063	14.0	96,719	683,781	13.9	96,028	659,581
2025	709,847	10.6	75,244	551,092	14.0	99,379	688,817	13.9	98,669	664,438
2026	729,368	10.6	77,313	554,460	14.0	102,112	693,027	13.9	101,382	668,499
2027	749,426	10.6	79,439	557,096	14.0	104,920	696,322	13.9	104,170	671,677
2028	770,035	10.6	81,624	558,922	14.0	107,805	698,604	13.9	107,035	673,878
2029	791,211	10.6	83,868	559,853	14.0	110,770	699,768	13.9	109,978	675,001
2030	812,969	10.6	86,175	559,799	14.0	113,816	699,701	13.9	113,003	674,936
2031	835,326	10.6	88,545	558,662	14.0	116,946	698,280	13.9	116,110	673,565

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	16.4%	$107,316	$ 754,458	17.3%	$113,205	$ 805,823	19.0%	$124,329	$ 861,126
2023	672,359	16.4	110,267	761,695	17.3	116,318	813,553	19.0	127,748	869,386
2024	690,849	16.4	113,299	768,186	17.3	119,517	820,485	19.0	131,261	876,794
2025	709,847	16.4	116,415	773,843	17.3	122,804	826,527	19.0	134,871	883,251
2026	729,368	16.4	119,616	778,573	17.3	126,181	831,579	19.0	138,580	888,650
2027	749,426	16.4	122,906	782,274	17.3	129,651	835,532	19.0	142,391	892,875
2028	770,035	16.4	126,286	784,838	17.3	133,216	838,270	19.0	146,307	895,801
2029	791,211	16.4	129,759	786,146	17.3	136,880	839,667	19.0	150,330	897,294
2030	812,969	16.4	133,327	786,070	17.3	140,644	839,586	19.0	154,464	897,208
2031	835,326	16.4	136,993	784,474	17.3	144,511	837,881	19.0	158,712	895,386

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	20.6%	$134,799	$ 940,180	21.4%	$140,034	$ 967,821	24.0%	$157,047	$ 1,074,468
2023	672,359	20.6	138,506	949,199	21.4	143,885	977,105	24.0	161,366	1,084,775
2024	690,849	20.6	142,315	957,287	21.4	147,842	985,431	24.0	165,804	1,094,019
2025	709,847	20.6	146,228	964,337	21.4	151,907	992,688	24.0	170,363	1,102,076
2026	729,368	20.6	150,250	970,231	21.4	156,085	998,756	24.0	175,048	1,108,812
2027	749,426	20.6	154,382	974,844	21.4	160,377	1,003,504	24.0	179,862	1,114,083
2028	770,035	20.6	158,627	978,039	21.4	164,787	1,006,793	24.0	184,808	1,117,734
2029	791,211	20.6	162,989	979,669	21.4	169,319	1,008,470	24.0	189,891	1,119,596
2030	812,969	20.6	167,472	979,575	21.4	173,975	1,008,373	24.0	195,113	1,119,488
2031	835,326	20.6	172,077	977,586	21.4	178,760	1,006,325	24.0	200,478	1,117,215

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS)
(Member contributions are additional)

Rule of 80 Retirement Eligibility

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	8.7%	$56,930	$ 537,287	12.1%	$79,178	$ 671,562	12.0%	$78,524	$ 647,794
2023	672,359	8.7	58,495	542,441	12.1	81,355	678,004	12.0	80,683	654,008
2024	690,849	8.7	60,104	547,063	12.1	83,593	683,781	12.0	82,902	659,581
2025	709,847	8.7	61,757	551,092	12.1	85,891	688,817	12.0	85,182	664,438
2026	729,368	8.7	63,455	554,460	12.1	88,254	693,027	12.0	87,524	668,499
2027	749,426	8.7	65,200	557,096	12.1	90,681	696,322	12.0	89,931	671,677
2028	770,035	8.7	66,993	558,922	12.1	93,174	698,604	12.0	92,404	673,878
2029	791,211	8.7	68,835	559,853	12.1	95,737	699,768	12.0	94,945	675,001
2030	812,969	8.7	70,728	559,799	12.1	98,369	699,701	12.0	97,556	674,936
2031	835,326	8.7	72,673	558,662	12.1	101,074	698,280	12.0	100,239	673,565

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	14.5%	$94,883	$ 754,458	15.4%	$100,772	$ 805,823	17.1%	$111,896	$ 861,126
2023	672,359	14.5	97,492	761,695	15.4	103,543	813,553	17.1	114,973	869,386
2024	690,849	14.5	100,173	768,186	15.4	106,391	820,485	17.1	118,135	876,794
2025	709,847	14.5	102,928	773,843	15.4	109,316	826,527	17.1	121,384	883,251
2026	729,368	14.5	105,758	778,573	15.4	112,323	831,579	17.1	124,722	888,650
2027	749,426	14.5	108,667	782,274	15.4	115,412	835,532	17.1	128,152	892,875
2028	770,035	14.5	111,655	784,838	15.4	118,585	838,270	17.1	131,676	895,801
2029	791,211	14.5	114,726	786,146	15.4	121,846	839,667	17.1	135,297	897,294
2030	812,969	14.5	117,881	786,070	15.4	125,197	839,586	17.1	139,018	897,208
2031	835,326	14.5	121,122	784,474	15.4	128,640	837,881	17.1	142,841	895,386

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	18.7%	$122,366	$ 940,180	19.5%	$127,601	$ 967,821	22.1%	$144,614	$ 1,074,468
2023	672,359	18.7	125,731	949,199	19.5	131,110	977,105	22.1	148,591	1,084,775
2024	690,849	18.7	129,189	957,287	19.5	134,716	985,431	22.1	152,678	1,094,019
2025	709,847	18.7	132,741	964,337	19.5	138,420	992,688	22.1	156,876	1,102,076
2026	729,368	18.7	136,392	970,231	19.5	142,227	998,756	22.1	161,190	1,108,812
2027	749,426	18.7	140,143	974,844	19.5	146,138	1,003,504	22.1	165,623	1,114,083
2028	770,035	18.7	143,997	978,039	19.5	150,157	1,006,793	22.1	170,178	1,117,734
2029	791,211	18.7	147,956	979,669	19.5	154,286	1,008,470	22.1	174,858	1,119,596
2030	812,969	18.7	152,025	979,575	19.5	158,529	1,008,373	22.1	179,666	1,119,488
2031	835,326	18.7	156,206	977,586	19.5	162,889	1,006,325	22.1	184,607	1,117,215

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

Rule of 80 Retirement Eligibility

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	14.8%	$96,846	$ 553,420	18.3%	$119,749	$ 691,770	18.3%	$119,749	$ 667,643
2023	672,359	14.8	99,509	558,729	18.3	123,042	698,406	18.3	123,042	674,047
2024	690,849	14.8	102,246	563,490	18.3	126,425	704,357	18.3	126,425	679,791
2025	709,847	14.8	105,057	567,640	18.3	129,902	709,544	18.3	129,902	684,797
2026	729,368	14.8	107,946	571,110	18.3	133,474	713,881	18.3	133,474	688,983
2027	749,426	14.8	110,915	573,825	18.3	137,145	717,275	18.3	137,145	692,259
2028	770,035	14.8	113,965	575,705	18.3	140,916	719,626	18.3	140,916	694,528
2029	791,211	14.8	117,099	576,664	18.3	144,792	720,825	18.3	144,792	695,685
2030	812,969	14.8	120,319	576,609	18.3	148,773	720,756	18.3	148,773	695,618
2031	835,326	14.8	123,628	575,438	18.3	152,865	719,292	18.3	152,865	694,205

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	20.8%	$136,108	$ 777,430	21.7%	$141,997	$ 830,132	23.4%	$153,121	$ 887,232
2023	672,359	20.8	139,851	784,888	21.7	145,902	838,095	23.4	157,332	895,743
2024	690,849	20.8	143,697	791,576	21.7	149,914	845,237	23.4	161,659	903,376
2025	709,847	20.8	147,648	797,405	21.7	154,037	851,462	23.4	166,104	910,029
2026	729,368	20.8	151,709	802,279	21.7	158,273	856,666	23.4	170,672	915,591
2027	749,426	20.8	155,881	806,093	21.7	162,625	860,739	23.4	175,366	919,944
2028	770,035	20.8	160,167	808,735	21.7	167,098	863,560	23.4	180,188	922,959
2029	791,211	20.8	164,572	810,082	21.7	171,693	864,999	23.4	185,143	924,497
2030	812,969	20.8	169,098	810,004	21.7	176,414	864,916	23.4	190,235	924,408
2031	835,326	20.8	173,748	808,359	21.7	181,266	863,160	23.4	195,466	922,531

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 654,364	25.1%	$164,245	$ 968,479	26.0%	$170,135	$ 997,028	28.6%	$187,148	$ 1,106,842
2023	672,359	25.1	168,762	977,769	26.0	174,813	1,006,592	28.6	192,295	1,117,460
2024	690,849	25.1	173,403	986,101	26.0	179,621	1,015,169	28.6	197,583	1,126,982
2025	709,847	25.1	178,172	993,363	26.0	184,560	1,022,645	28.6	203,016	1,135,281
2026	729,368	25.1	183,071	999,435	26.0	189,636	1,028,896	28.6	208,599	1,142,220
2027	749,426	25.1	188,106	1,004,186	26.0	194,851	1,033,788	28.6	214,336	1,147,650
2028	770,035	25.1	193,279	1,007,477	26.0	200,209	1,037,176	28.6	220,230	1,151,411
2029	791,211	25.1	198,594	1,009,156	26.0	205,715	1,038,904	28.6	226,286	1,153,329
2030	812,969	25.1	204,055	1,009,059	26.0	211,372	1,038,804	28.6	232,509	1,153,218
2031	835,326	25.1	209,667	1,007,010	26.0	217,185	1,036,694	28.6	238,903	1,150,876

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS)
(Member contributions are additional)

Rule of 80 Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	12.9%	$84,413	$ 553,420	16.4%	$107,316	$ 691,770	16.4%	$107,316	$ 667,643
2023	672,359	12.9	86,734	558,729	16.4	110,267	698,406	16.4	110,267	674,047
2024	690,849	12.9	89,120	563,490	16.4	113,299	704,357	16.4	113,299	679,791
2025	709,847	12.9	91,570	567,640	16.4	116,415	709,544	16.4	116,415	684,797
2026	729,368	12.9	94,088	571,110	16.4	119,616	713,881	16.4	119,616	688,983
2027	749,426	12.9	96,676	573,825	16.4	122,906	717,275	16.4	122,906	692,259
2028	770,035	12.9	99,335	575,705	16.4	126,286	719,626	16.4	126,286	694,528
2029	791,211	12.9	102,066	576,664	16.4	129,759	720,825	16.4	129,759	695,685
2030	812,969	12.9	104,873	576,609	16.4	133,327	720,756	16.4	133,327	695,618
2031	835,326	12.9	107,757	575,438	16.4	136,993	719,292	16.4	136,993	694,205

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	18.9%	$123,675	$ 777,430	19.8%	$129,564	$ 830,132	21.5%	$140,688	$ 887,232
2023	672,359	18.9	127,076	784,888	19.8	133,127	838,095	21.5	144,557	895,743
2024	690,849	18.9	130,570	791,576	19.8	136,788	845,237	21.5	148,533	903,376
2025	709,847	18.9	134,161	797,405	19.8	140,550	851,462	21.5	152,617	910,029
2026	729,368	18.9	137,851	802,279	19.8	144,415	856,666	21.5	156,814	915,591
2027	749,426	18.9	141,642	806,093	19.8	148,386	860,739	21.5	161,127	919,944
2028	770,035	18.9	145,537	808,735	19.8	152,467	863,560	21.5	165,558	922,959
2029	791,211	18.9	149,539	810,082	19.8	156,660	864,999	21.5	170,110	924,497
2030	812,969	18.9	153,651	810,004	19.8	160,968	864,916	21.5	174,788	924,408
2031	835,326	18.9	157,877	808,359	19.8	165,395	863,160	21.5	179,595	922,531

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	23.2%	$151,812	$ 968,479	24.1%	$157,702	$ 997,028	26.7%	$174,715	$ 1,106,842
2023	672,359	23.2	155,987	977,769	24.1	162,039	1,006,592	26.7	179,520	1,117,460
2024	690,849	23.2	160,277	986,101	24.1	166,495	1,015,169	26.7	184,457	1,126,982
2025	709,847	23.2	164,685	993,363	24.1	171,073	1,022,645	26.7	189,529	1,135,281
2026	729,368	23.2	169,213	999,435	24.1	175,778	1,028,896	26.7	194,741	1,142,220
2027	749,426	23.2	173,867	1,004,186	24.1	180,612	1,033,788	26.7	200,097	1,147,650
2028	770,035	23.2	178,648	1,007,477	24.1	185,578	1,037,176	26.7	205,599	1,151,411
2029	791,211	23.2	183,561	1,009,156	24.1	190,682	1,038,904	26.7	211,253	1,153,329
2030	812,969	23.2	188,609	1,009,059	24.1	195,926	1,038,804	26.7	217,063	1,153,218
2031	835,326	23.2	193,796	1,007,010	24.1	201,314	1,036,694	26.7	223,032	1,150,876

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS)
(Member contributions are additional)

Rule of 80 Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	11.0%	$71,980	$ 553,420	14.5%	$94,883	$ 691,770	14.5%	$94,883	$ 667,643
2023	672,359	11.0	73,959	558,729	14.5	97,492	698,406	14.5	97,492	674,047
2024	690,849	11.0	75,993	563,490	14.5	100,173	704,357	14.5	100,173	679,791
2025	709,847	11.0	78,083	567,640	14.5	102,928	709,544	14.5	102,928	684,797
2026	729,368	11.0	80,230	571,110	14.5	105,758	713,881	14.5	105,758	688,983
2027	749,426	11.0	82,437	573,825	14.5	108,667	717,275	14.5	108,667	692,259
2028	770,035	11.0	84,704	575,705	14.5	111,655	719,626	14.5	111,655	694,528
2029	791,211	11.0	87,033	576,664	14.5	114,726	720,825	14.5	114,726	695,685
2030	812,969	11.0	89,427	576,609	14.5	117,881	720,756	14.5	117,881	695,618
2031	835,326	11.0	91,886	575,438	14.5	121,122	719,292	14.5	121,122	694,205

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	17.0%	$111,242	$ 777,430	17.9%	$117,131	$ 830,132	19.6%	$128,255	$ 887,232
2023	672,359	17.0	114,301	784,888	17.9	120,352	838,095	19.6	131,782	895,743
2024	690,849	17.0	117,444	791,576	17.9	123,662	845,237	19.6	135,406	903,376
2025	709,847	17.0	120,674	797,405	17.9	127,063	851,462	19.6	139,130	910,029
2026	729,368	17.0	123,993	802,279	17.9	130,557	856,666	19.6	142,956	915,591
2027	749,426	17.0	127,402	806,093	17.9	134,147	860,739	19.6	146,887	919,944
2028	770,035	17.0	130,906	808,735	17.9	137,836	863,560	19.6	150,927	922,959
2029	791,211	17.0	134,506	810,082	17.9	141,627	864,999	19.6	155,077	924,497
2030	812,969	17.0	138,205	810,004	17.9	145,521	864,916	19.6	159,342	924,408
2031	835,326	17.0	142,005	808,359	17.9	149,523	863,160	19.6	163,724	922,531

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded	Estimated Employer Contribution		Unfunded
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability	As a % of Payroll	Annual Dollars	Actuarial Accrued Liability
2022	$ 654,364	21.3%	$139,380	$ 968,479	22.2%	$145,269	$ 997,028	24.8%	$162,282	$ 1,106,842
2023	672,359	21.3	143,212	977,769	22.2	149,264	1,006,592	24.8	166,745	1,117,460
2024	690,849	21.3	147,151	986,101	22.2	153,368	1,015,169	24.8	171,331	1,126,982
2025	709,847	21.3	151,197	993,363	22.2	157,586	1,022,645	24.8	176,042	1,135,281
2026	729,368	21.3	155,355	999,435	22.2	161,920	1,028,896	24.8	180,883	1,142,220
2027	749,426	21.3	159,628	1,004,186	22.2	166,373	1,033,788	24.8	185,858	1,147,650
2028	770,035	21.3	164,017	1,007,477	22.2	170,948	1,037,176	24.8	190,969	1,151,411
2029	791,211	21.3	168,528	1,009,156	22.2	175,649	1,038,904	24.8	196,220	1,153,329
2030	812,969	21.3	173,162	1,009,059	22.2	180,479	1,038,804	24.8	201,616	1,153,218
2031	835,326	21.3	177,924	1,007,010	22.2	185,442	1,036,694	24.8	207,161	1,150,876

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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.

Lone Jack Fire Protection District - Fire

Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS)
(Member contributions are additional)

Rule of 80 Retirement Eligibility

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	$ 654,364	9.1%	$59,547	$ 553,420	12.6%	$82,450	$ 691,770	12.6%	$82,450	$ 667,643
2023	672,359	9.1	61,185	558,729	12.6	84,717	698,406	12.6	84,717	674,047
2024	690,849	9.1	62,867	563,490	12.6	87,047	704,357	12.6	87,047	679,791
2025	709,847	9.1	64,596	567,640	12.6	89,441	709,544	12.6	89,441	684,797
2026	729,368	9.1	66,372	571,110	12.6	91,900	713,881	12.6	91,900	688,983
2027	749,426	9.1	68,198	573,825	12.6	94,428	717,275	12.6	94,428	692,259
2028	770,035	9.1	70,073	575,705	12.6	97,024	719,626	12.6	97,024	694,528
2029	791,211	9.1	72,000	576,664	12.6	99,693	720,825	12.6	99,693	695,685
2030	812,969	9.1	73,980	576,609	12.6	102,434	720,756	12.6	102,434	695,618
2031	835,326	9.1	76,015	575,438	12.6	105,251	719,292	12.6	105,251	694,205

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	$ 654,364	15.1%	$98,809	$ 777,430	16.0%	$104,698	$ 830,132	17.7%	$115,822	$ 887,232
2023	672,359	15.1	101,526	784,888	16.0	107,577	838,095	17.7	119,008	895,743
2024	690,849	15.1	104,318	791,576	16.0	110,536	845,237	17.7	122,280	903,376
2025	709,847	15.1	107,187	797,405	16.0	113,576	851,462	17.7	125,643	910,029
2026	729,368	15.1	110,135	802,279	16.0	116,699	856,666	17.7	129,098	915,591
2027	749,426	15.1	113,163	806,093	16.0	119,908	860,739	17.7	132,648	919,944
2028	770,035	15.1	116,275	808,735	16.0	123,206	863,560	17.7	136,296	922,959
2029	791,211	15.1	119,473	810,082	16.0	126,594	864,999	17.7	140,044	924,497
2030	812,969	15.1	122,758	810,004	16.0	130,075	864,916	17.7	143,896	924,408
2031	835,326	15.1	126,134	808,359	16.0	133,652	863,160	17.7	147,853	922,531

		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
Valuation Year	Estimated Projected Payroll	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	$ 654,364	19.4%	$126,947	$ 968,479	20.3%	$132,836	$ 997,028	22.9%	$149,849	$ 1,106,842
2023	672,359	19.4	130,438	977,769	20.3	136,489	1,006,592	22.9	153,970	1,117,460
2024	690,849	19.4	134,025	986,101	20.3	140,242	1,015,169	22.9	158,204	1,126,982
2025	709,847	19.4	137,710	993,363	20.3	144,099	1,022,645	22.9	162,555	1,135,281
2026	729,368	19.4	141,497	999,435	20.3	148,062	1,028,896	22.9	167,025	1,142,220
2027	749,426	19.4	145,389	1,004,186	20.3	152,133	1,033,788	22.9	171,619	1,147,650
2028	770,035	19.4	149,387	1,007,477	20.3	156,317	1,037,176	22.9	176,338	1,151,411
2029	791,211	19.4	153,495	1,009,156	20.3	160,616	1,038,904	22.9	181,187	1,153,329
2030	812,969	19.4	157,716	1,009,059	20.3	165,033	1,038,804	22.9	186,170	1,153,218
2031	835,326	19.4	162,053	1,007,010	20.3	169,571	1,036,694	22.9	191,290	1,150,876

Notes regarding the above projections:

1) The purpose of the above projections is to comply with the requirements of Section 105.665 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 2.75%.
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 28^{th} 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.