The Initial Valuation For

Eagle Rock Golden Mano Fire Protection District

as of March 31, 2022

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May 6, 2022

Eagle Rock Golden Mano Fire Protection District
Eagle Rock, 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, 2021.

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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 March 31, 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.

Eagle Rock Golden Mano 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	9.60%	0.60%	4.70%	14.90%	13.00%	11.10%	9.20%
L-3	Fire	11.70	0.70	5.90	18.30	16.40	14.50	12.60
LT-4(65)	Fire	11.80	0.60	5.30	17.70	15.80	13.90	12.00
LT-5(65)	Fire	13.40	0.70	6.30	20.40	18.50	16.60	14.70
L-7	Fire	13.90	0.80	7.00	21.70	19.80	17.90	16.00
LT-8(65)	Fire	15.00	0.80	7.30	23.10	21.20	19.30	17.40
L-12	Fire	16.10	0.90	8.20	25.20	23.30	21.40	19.50
LT-14(65)	Fire	16.60	0.90	8.30	25.80	23.90	22.00	20.10
L-6	Fire	18.20	1.00	9.40	28.60	26.70	24.80	22.90

* 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.

Eagle Rock Golden Mano 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	9.80%	0.60%	4.80%	15.20%	13.30%	11.40%	9.50%
L-3	Fire	12.10	0.70	6.00	18.80	16.90	15.00	13.10
LT-4(65)	Fire	12.20	0.60	5.40	18.20	16.30	14.40	12.50
LT-5(65)	Fire	13.80	0.70	6.50	21.00	19.10	17.20	15.30
L-7	Fire	14.30	0.80	7.20	22.30	20.40	18.50	16.60
LT-8(65)	Fire	15.50	0.80	7.50	23.80	21.90	20.00	18.10
L-12	Fire	16.60	0.90	8.40	25.90	24.00	22.10	20.20
LT-14(65)	Fire	17.10	0.90	8.60	26.60	24.70	22.80	20.90
L-6	Fire	18.80	1.00	9.60	29.40	27.50	25.60	23.70

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

Eagle Rock Golden Mano 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	9.60%	0.60%	4.70%	14.90%	13.00%	11.10%	9.20%
L-3	Fire	11.70	0.70	5.90	18.30	16.40	14.50	12.60
LT-4(65)	Fire	11.80	0.60	5.30	17.70	15.80	13.90	12.00
LT-5(65)	Fire	13.40	0.70	6.30	20.40	18.50	16.60	14.70
L-7	Fire	13.90	0.80	7.00	21.70	19.80	17.90	16.00
LT-8(65)	Fire	15.00	0.80	7.30	23.10	21.20	19.30	17.40
L-12	Fire	16.10	0.90	8.20	25.20	23.30	21.40	19.50
LT-14(65)	Fire	16.60	0.90	8.30	25.80	23.90	22.00	20.10
L-6	Fire	18.20	1.00	9.40	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.

Eagle Rock Golden Mano Fire Protection District

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

Benefit Program	Employee Groups	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	9.80%	0.60%	4.80%	15.20%	13.30%	11.40%	9.50%
L-3	Fire	12.10	0.70	6.00	18.80	16.90	15.00	13.10
LT-4(65)	Fire	12.20	0.60	5.40	18.20	16.30	14.40	12.50
LT-5(65)	Fire	13.80	0.70	6.50	21.00	19.10	17.20	15.30
L-7	Fire	14.30	0.80	7.20	22.30	20.40	18.50	16.60
LT-8(65)	Fire	15.50	0.80	7.50	23.80	21.90	20.00	18.10
L-12	Fire	16.60	0.90	8.40	25.90	24.00	22.10	20.20
LT-14(65)	Fire	17.10	0.90	8.60	26.60	24.70	22.80	20.90
L-6	Fire	18.80	1.00	9.60	29.40	27.50	25.60	23.70

(Columns 3–9: Percents of Active Member Payroll)

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.

Eagle Rock Golden Mano Fire Protection District

Employer Contribution Dollars
General

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

Regular Retirement Eligibility

5 Year FAS				
Benefit	Member Contribution Rate			
Program	0%	2%	4%	6%
L-1	$ 16,092	$ 14,040	$ 11,988	$ 9,936
L-3	19,764	17,712	15,660	13,608
LT-4(65)	19,116	17,064	15,012	12,960
LT-5(65)	22,032	19,980	17,928	15,876
L-7	23,436	21,384	19,332	17,280
LT-8(65)	24,948	22,896	20,844	18,792
L-12	27,216	25,164	23,112	21,060
LT-14(65)	27,864	25,812	23,760	21,708
L-6	30,888	28,836	26,784	24,732

3 Year FAS				
Benefit	Member Contribution Rate			
Program	0%	2%	4%	6%
L-1	$ 16,416	$ 14,364	$ 12,312	$ 10,260
L-3	20,304	18,252	16,200	14,148
LT-4(65)	19,656	17,604	15,552	13,500
LT-5(65)	22,680	20,628	18,576	16,524
L-7	24,084	22,032	19,980	17,928
LT-8(65)	25,704	23,652	21,600	19,548
L-12	27,972	25,920	23,868	21,816
LT-14(65)	28,728	26,676	24,624	22,572
L-6	31,752	29,700	27,648	25,596

Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit	Member Contribution Rate			
Program	0%	2%	4%	6%
L-1	$ 16,092	$ 14,040	$ 11,988	$ 9,936
L-3	19,764	17,712	15,660	13,608
LT-4(65)	19,116	17,064	15,012	12,960
LT-5(65)	22,032	19,980	17,928	15,876
L-7	23,436	21,384	19,332	17,280
LT-8(65)	24,948	22,896	20,844	18,792
L-12	27,216	25,164	23,112	21,060
LT-14(65)	27,864	25,812	23,760	21,708
L-6	30,888	28,836	26,784	24,732

3 Year FAS				
Benefit	Member Contribution Rate			
Program	0%	2%	4%	6%
L-1	$ 16,416	$ 14,364	$ 12,312	$ 10,260
L-3	20,304	18,252	16,200	14,148
LT-4(65)	19,656	17,604	15,552	13,500
LT-5(65)	22,680	20,628	18,576	16,524
L-7	24,084	22,032	19,980	17,928
LT-8(65)	25,704	23,652	21,600	19,548
L-12	27,972	25,920	23,868	21,816
LT-14(65)	28,728	26,676	24,624	22,572
L-6	31,752	29,700	27,648	25,596

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	3
Annual Payroll	$ 108,000

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:

Eagle Rock Golden Mano 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	$ 86,650	$ 89,121
L-3	Fire	108,310	111,392
LT-4(65)	Fire	97,663	100,478
LT-5(65)	Fire	116,561	119,914
L-7	Fire	129,976	133,685
LT-8(65)	Fire	135,483	139,367
L-12	Fire	151,638	155,954
LT-14(65)	Fire	154,379	158,801
L-6	Fire	173,300	178,239

Eagle Rock Golden Mano 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)	UAAL (3 Year FAS)
L-1	Fire	$ 86,650	$ 89,121
L-3	Fire	108,310	111,392
LT-4(65)	Fire	97,663	100,478
LT-5(65)	Fire	116,561	119,914
L-7	Fire	129,976	133,685
LT-8(65)	Fire	135,483	139,367
L-12	Fire	151,638	155,954
LT-14(65)	Fire	154,379	158,801
L-6	Fire	173,300	178,239

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		Retirement	Police/	
Ages	Men	Women	Ages	Public Safety	Fire
55	3.00%	3.00%	50	2.50%	2.25%
56	3.00%	3.00%	51	2.50%	2.25%
57	3.00%	3.00%	52	3.00%	2.25%
58	3.00%	3.00%	53	3.00%	2.25%
59	3.00%	3.00%	54	3.50%	2.25%

Normal Retirement

Retirement	General Members		Retirement	Police/	
Ages	Men	Women	Ages	Public Safety	Fire
60	10%	10%	55	11%	13%
61	10	10	56	11	13
62	25	15	57	11	13
63	20	15	58	11	13
64	20	15	59	11	13
65	25	25	60	11	15
66	25	30	61	11	20
67	20	25	62	22	20
68	20	25	63	18	20
69	20	20	64	18	20
70	100	100	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, 2021
(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 $	Estimated Monthly Total % of FAS
35 Years of Service:				
$1,500	$ 525	$ 916	$1,441	96%
2,000	700	1,055	1,755	88%
2,500	875	1,192	2,067	83%
3,000	1,050	1,330	2,380	79%
3,500	1,225	1,469	2,694	77%
4,000	1,400	1,605	3,005	75%
25 Years of Service:				
$1,500	$ 375	$ 916	$1,291	86%
2,000	500	1,055	1,555	78%
2,500	625	1,192	1,817	73%
3,000	750	1,330	2,080	69%
3,500	875	1,469	2,344	67%
4,000	1,000	1,605	2,605	65%
15 Years of Service:				
$1,500	$225	$ 916	$1,141	76%
2,000	300	1,055	1,355	68%
2,500	375	1,192	1,567	63%
3,000	450	1,330	1,780	59%
3,500	525	1,469	1,994	57%
4,000	600	1,605	2,205	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 2021 - 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	$ 916	$1,572	105%
2,000	875	1,055	1,930	97%
2,500	1,094	1,192	2,286	91%
3,000	1,313	1,330	2,643	88%
3,500	1,531	1,469	3,000	86%
4,000	1,750	1,605	3,355	84%
25 Years of Service:				
$1,500	$ 469	$ 916	$1,385	92%
2,000	625	1,055	1,680	84%
2,500	781	1,192	1,973	79%
3,000	938	1,330	2,268	76%
3,500	1,094	1,469	2,563	73%
4,000	1,250	1,605	2,855	71%
15 Years of Service:				
$1,500	$281	$ 916	$1,197	80%
2,000	375	1,055	1,430	72%
2,500	469	1,192	1,661	66%
3,000	563	1,330	1,893	63%
3,500	656	1,469	2,125	61%
4,000	750	1,605	2,355	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 2021 - 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	$ 916	$1,704	114%
2,000	1,050	1,055	2,105	105%
2,500	1,313	1,192	2,505	100%
3,000	1,575	1,330	2,905	97%
3,500	1,838	1,469	3,307	94%
4,000	2,100	1,605	3,705	93%
25 Years of Service:				
$1,500	$ 563	$ 916	$1,479	99%
2,000	750	1,055	1,805	90%
2,500	938	1,192	2,130	85%
3,000	1,125	1,330	2,455	82%
3,500	1,313	1,469	2,782	79%
4,000	1,500	1,605	3,105	78%
15 Years of Service:				
$1,500	$338	$ 916	$1,254	84%
2,000	450	1,055	1,505	75%
2,500	563	1,192	1,755	70%
3,000	675	1,330	2,005	67%
3,500	788	1,469	2,257	64%
4,000	900	1,605	2,505	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 2021 - 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	$ 916	$1,835	122%
2,000	1,225	1,055	2,280	114%
2,500	1,531	1,192	2,723	109%
3,000	1,838	1,330	3,168	106%
3,500	2,144	1,469	3,613	103%
4,000	2,450	1,605	4,055	101%
25 Years of Service:				
$1,500	$ 656	$ 916	$1,572	105%
2,000	875	1,055	1,930	97%
2,500	1,094	1,192	2,286	91%
3,000	1,313	1,330	2,643	88%
3,500	1,531	1,469	3,000	86%
4,000	1,750	1,605	3,355	84%
15 Years of Service:				
$1,500	$ 394	$ 916	$1,310	87%
2,000	525	1,055	1,580	79%
2,500	656	1,192	1,848	74%
3,000	788	1,330	2,118	71%
3,500	919	1,469	2,388	68%
4,000	1,050	1,605	2,655	66%

[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 2021 - 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	$ 916	$1,966	131%
2,000	1,400	1,055	2,455	123%
2,500	1,750	1,192	2,942	118%
3,000	2,100	1,330	3,430	114%
3,500	2,450	1,469	3,919	112%
4,000	2,800	1,605	4,405	110%
25 Years of Service:				
$1,500	$ 750	$ 916	$1,666	111%
2,000	1,000	1,055	2,055	103%
2,500	1,250	1,192	2,442	98%
3,000	1,500	1,330	2,830	94%
3,500	1,750	1,469	3,219	92%
4,000	2,000	1,605	3,605	90%
15 Years of Service:				
$1,500	$ 450	$ 916	$1,366	91%
2,000	600	1,055	1,655	83%
2,500	750	1,192	1,942	78%
3,000	900	1,330	2,230	74%
3,500	1,050	1,469	2,519	72%
4,000	1,200	1,605	2,805	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 2021 - 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	$ 916	$1,050	$1,441	70%	96%
2,000	1,400	700	1,055	1,400	1,755	70%	88%
2,500	1,750	875	1,192	1,750	2,067	70%	83%
3,000	2,100	1,050	1,330	2,100	2,380	70%	79%
3,500	2,450	1,225	1,469	2,450	2,694	70%	77%
4,000	2,800	1,400	1,605	2,800	3,005	70%	75%
25 Years of Service:							
$1,500	$ 750	$ 375	$ 916	$ 750	$1,291	50%	86%
2,000	1,000	500	1,055	1,000	1,555	50%	78%
2,500	1,250	625	1,192	1,250	1,817	50%	73%
3,000	1,500	750	1,330	1,500	2,080	50%	69%
3,500	1,750	875	1,469	1,750	2,344	50%	67%
4,000	2,000	1,000	1,605	2,000	2,605	50%	65%
15 Years of Service:							
$1,500	$ 450	$225	$ 916	$ 450	$1,141	30%	76%
2,000	600	300	1,055	600	1,355	30%	68%
2,500	750	375	1,192	750	1,567	30%	63%
3,000	900	450	1,330	900	1,780	30%	59%
3,500	1,050	525	1,469	1,050	1,994	30%	57%
4,000	1,200	600	1,605	1,200	2,205	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 2021 - 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] 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	$ 656	$ 916	$1,050	$1,572	70%	105%
2,000	1,400	875	1,055	1,400	1,930	70%	97%
2,500	1,750	1,094	1,192	1,750	2,286	70%	91%
3,000	2,100	1,313	1,330	2,100	2,643	70%	88%
3,500	2,450	1,531	1,469	2,450	3,000	70%	86%
4,000	2,800	1,750	1,605	2,800	3,355	70%	84%
25 Years of Service:							
$1,500	$ 750	$ 469	$ 916	$ 750	$1,385	50%	92%
2,000	1,000	625	1,055	1,000	1,680	50%	84%
2,500	1,250	781	1,192	1,250	1,973	50%	79%
3,000	1,500	938	1,330	1,500	2,268	50%	76%
3,500	1,750	1,094	1,469	1,750	2,563	50%	73%
4,000	2,000	1,250	1,605	2,000	2,855	50%	71%
15 Years of Service:							
$1,500	$ 450	$281	$ 916	$ 450	$1,197	30%	80%
2,000	600	375	1,055	600	1,430	30%	72%
2,500	750	469	1,192	750	1,661	30%	66%
3,000	900	563	1,330	900	1,893	30%	63%
3,500	1,050	656	1,469	1,050	2,125	30%	61%
4,000	1,200	750	1,605	1,200	2,355	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 2021 - 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	$ 916	$1,050	$1,704	70%	114%
2,000	1,400	1,050	1,055	1,400	2,105	70%	105%
2,500	1,750	1,313	1,192	1,750	2,505	70%	100%
3,000	2,100	1,575	1,330	2,100	2,905	70%	97%
3,500	2,450	1,838	1,469	2,450	3,307	70%	94%
4,000	2,800	2,100	1,605	2,800	3,705	70%	93%
25 Years of Service:							
$1,500	$ 750	$ 563	$ 916	$ 750	$1,479	50%	99%
2,000	1,000	750	1,055	1,000	1,805	50%	90%
2,500	1,250	938	1,192	1,250	2,130	50%	85%
3,000	1,500	1,125	1,330	1,500	2,455	50%	82%
3,500	1,750	1,313	1,469	1,750	2,782	50%	79%
4,000	2,000	1,500	1,605	2,000	3,105	50%	78%
15 Years of Service:							
$1,500	$ 450	$338	$ 916	$ 450	$1,254	30%	84%
2,000	600	450	1,055	600	1,505	30%	75%
2,500	750	563	1,192	750	1,755	30%	70%
3,000	900	675	1,330	900	2,005	30%	67%
3,500	1,050	788	1,469	1,050	2,257	30%	64%
4,000	1,200	900	1,605	1,200	2,505	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 2021 - 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	$ 916	$1,050	$1,835	70%	122%
2,000	1,400	1,225	1,055	1,400	2,280	70%	114%
2,500	1,750	1,531	1,192	1,750	2,723	70%	109%
3,000	2,100	1,838	1,330	2,100	3,168	70%	106%
3,500	2,450	2,144	1,469	2,450	3,613	70%	103%
4,000	2,800	2,450	1,605	2,800	4,055	70%	101%
25 Years of Service:							
$1,500	$ 750	$ 656	$ 916	$ 750	$1,572	50%	105%
2,000	1,000	875	1,055	1,000	1,930	50%	97%
2,500	1,250	1,094	1,192	1,250	2,286	50%	91%
3,000	1,500	1,313	1,330	1,500	2,643	50%	88%
3,500	1,750	1,531	1,469	1,750	3,000	50%	86%
4,000	2,000	1,750	1,605	2,000	3,355	50%	84%
15 Years of Service:							
$1,500	$ 450	$ 394	$ 916	$ 450	$1,310	30%	87%
2,000	600	525	1,055	600	1,580	30%	79%
2,500	750	656	1,192	750	1,848	30%	74%
3,000	900	788	1,330	900	2,118	30%	71%
3,500	1,050	919	1,469	1,050	2,388	30%	68%
4,000	1,200	1,050	1,605	1,200	2,655	30%	66%

[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 2021 - 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

Eagle Rock Golden Mano Fire Protection District - General

March 31, 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									
30-34	1							1	$ 33,000
35-39									
40-44									
45-49									
50-54		1						1	$ 35,000
55-59									
60-64			1					1	$ 40,000
65-69									
70 & Over									
Totals	**1**	**1**	**1**					**3**	**$ 108,000**

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

Age: 49.4 years.
Benefit Service: 6.6 years.
Annual Pay: $36,000.

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

May 6, 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 March 31, 2022 Initial Actuarial Valuation of LAGERS benefits for the employees of

Eagle Rock Golden Mano 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

May 6, 2022

Eagle Rock Golden Mano Fire Protection District
Eagle Rock, 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 March 31, 2022 Initial Valuation for the Eagle Rock Golden Mano Fire Protection District dated May 6, 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, 2021. 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 Drazilov

Mita D. Drazilov, ASA, FCA, MAAA

Eagle Rock Golden Mano 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	$ 108,000	14.9%	$16,092	$ 86,650	18.3%	$19,764	$ 108,310	17.7%	$19,116	$ 97,663
2023	110,970	14.9	16,535	87,481	18.3	20,308	109,349	17.7	19,642	98,600
2024	114,022	14.9	16,989	88,226	18.3	20,866	110,281	17.7	20,182	99,440
2025	117,158	14.9	17,457	88,876	18.3	21,440	111,093	17.7	20,737	100,172
2026	120,380	14.9	17,937	89,419	18.3	22,030	111,772	17.7	21,307	100,784
2027	123,690	14.9	18,430	89,844	18.3	22,635	112,303	17.7	21,893	101,263
2028	127,091	14.9	18,937	90,138	18.3	23,258	112,671	17.7	22,495	101,595
2029	130,586	14.9	19,457	90,288	18.3	23,897	112,859	17.7	23,114	101,764
2030	134,177	14.9	19,992	90,279	18.3	24,554	112,848	17.7	23,749	101,754
2031	137,867	14.9	20,542	90,096	18.3	25,230	112,619	17.7	24,402	101,547

		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	$ 108,000	20.4%	$22,032	$ 116,561	21.7%	$23,436	$ 129,976	23.1%	$24,948	$ 135,483
2023	110,970	20.4	22,638	117,679	21.7	24,080	131,223	23.1	25,634	136,783
2024	114,022	20.4	23,260	118,682	21.7	24,743	132,341	23.1	26,339	137,949
2025	117,158	20.4	23,900	119,556	21.7	25,423	133,316	23.1	27,063	138,965
2026	120,380	20.4	24,558	120,287	21.7	26,122	134,131	23.1	27,808	139,814
2027	123,690	20.4	25,233	120,859	21.7	26,841	134,769	23.1	28,572	140,479
2028	127,091	20.4	25,927	121,255	21.7	27,579	135,211	23.1	29,358	140,939
2029	130,586	20.4	26,640	121,457	21.7	28,337	135,436	23.1	30,165	141,174
2030	134,177	20.4	27,372	121,445	21.7	29,116	135,423	23.1	30,995	141,160
2031	137,867	20.4	28,125	121,198	21.7	29,917	135,148	23.1	31,847	140,873

		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	$ 108,000	25.2%	$27,216	$ 151,638	25.8%	$27,864	$ 154,379	28.6%	$30,888	$ 173,300
2023	110,970	25.2	27,964	153,093	25.8	28,630	155,860	28.6	31,737	174,962
2024	114,022	25.2	28,734	154,398	25.8	29,418	157,188	28.6	32,610	176,453
2025	117,158	25.2	29,524	155,535	25.8	30,227	158,346	28.6	33,507	177,752
2026	120,380	25.2	30,336	156,486	25.8	31,058	159,314	28.6	34,429	178,838
2027	123,690	25.2	31,170	157,230	25.8	31,912	160,071	28.6	35,375	179,688
2028	127,091	25.2	32,027	157,745	25.8	32,789	160,596	28.6	36,348	180,277
2029	130,586	25.2	32,908	158,008	25.8	33,691	160,864	28.6	37,348	180,577
2030	134,177	25.2	33,813	157,993	25.8	34,618	160,849	28.6	38,375	180,560
2031	137,867	25.2	34,742	157,672	25.8	35,570	160,522	28.6	39,430	180,193

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.

Eagle Rock Golden Mano 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	$ 108,000	13.0%	$14,040	$ 86,650	16.4%	$17,712	$ 108,310	15.8%	$17,064	$ 97,663
2023	110,970	13.0	14,426	87,481	16.4	18,199	109,349	15.8	17,533	98,600
2024	114,022	13.0	14,823	88,226	16.4	18,700	110,281	15.8	18,015	99,440
2025	117,158	13.0	15,231	88,876	16.4	19,214	111,093	15.8	18,511	100,172
2026	120,380	13.0	15,649	89,419	16.4	19,742	111,772	15.8	19,020	100,784
2027	123,690	13.0	16,080	89,844	16.4	20,285	112,303	15.8	19,543	101,263
2028	127,091	13.0	16,522	90,138	16.4	20,843	112,671	15.8	20,080	101,595
2029	130,586	13.0	16,976	90,288	16.4	21,416	112,859	15.8	20,633	101,764
2030	134,177	13.0	17,443	90,279	16.4	22,005	112,848	15.8	21,200	101,754
2031	137,867	13.0	17,923	90,096	16.4	22,610	112,619	15.8	21,783	101,547

		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	$ 108,000	18.5%	$19,980	$ 116,561	19.8%	$21,384	$ 129,976	21.2%	$22,896	$ 135,483
2023	110,970	18.5	20,529	117,679	19.8	21,972	131,223	21.2	23,526	136,783
2024	114,022	18.5	21,094	118,682	19.8	22,576	132,341	21.2	24,173	137,949
2025	117,158	18.5	21,674	119,556	19.8	23,197	133,316	21.2	24,837	138,965
2026	120,380	18.5	22,270	120,287	19.8	23,835	134,131	21.2	25,521	139,814
2027	123,690	18.5	22,883	120,859	19.8	24,491	134,769	21.2	26,222	140,479
2028	127,091	18.5	23,512	121,255	19.8	25,164	135,211	21.2	26,943	140,939
2029	130,586	18.5	24,158	121,457	19.8	25,856	135,436	21.2	27,684	141,174
2030	134,177	18.5	24,823	121,445	19.8	26,567	135,423	21.2	28,446	141,160
2031	137,867	18.5	25,505	121,198	19.8	27,298	135,148	21.2	29,228	140,873

		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	$ 108,000	23.3%	$25,164	$ 151,638	23.9%	$25,812	$ 154,379	26.7%	$28,836	$ 173,300
2023	110,970	23.3	25,856	153,093	23.9	26,522	155,860	26.7	29,629	174,962
2024	114,022	23.3	26,567	154,398	23.9	27,251	157,188	26.7	30,444	176,453
2025	117,158	23.3	27,298	155,535	23.9	28,001	158,346	26.7	31,281	177,752
2026	120,380	23.3	28,049	156,486	23.9	28,771	159,314	26.7	32,141	178,838
2027	123,690	23.3	28,820	157,230	23.9	29,562	160,071	26.7	33,025	179,688
2028	127,091	23.3	29,612	157,745	23.9	30,375	160,596	26.7	33,933	180,277
2029	130,586	23.3	30,427	158,008	23.9	31,210	160,864	26.7	34,866	180,577
2030	134,177	23.3	31,263	157,993	23.9	32,068	160,849	26.7	35,825	180,560
2031	137,867	23.3	32,123	157,672	23.9	32,950	160,522	26.7	36,810	180,193

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.

Eagle Rock Golden Mano 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	$ 108,000	11.1%	$11,988	$ 86,650	14.5%	$15,660	$ 108,310	13.9%	$15,012	$ 97,663
2023	110,970	11.1	12,318	87,481	14.5	16,091	109,349	13.9	15,425	98,600
2024	114,022	11.1	12,656	88,226	14.5	16,533	110,281	13.9	15,849	99,440
2025	117,158	11.1	13,005	88,876	14.5	16,988	111,093	13.9	16,285	100,172
2026	120,380	11.1	13,362	89,419	14.5	17,455	111,772	13.9	16,733	100,784
2027	123,690	11.1	13,730	89,844	14.5	17,935	112,303	13.9	17,193	101,263
2028	127,091	11.1	14,107	90,138	14.5	18,428	112,671	13.9	17,666	101,595
2029	130,586	11.1	14,495	90,288	14.5	18,935	112,859	13.9	18,151	101,764
2030	134,177	11.1	14,894	90,279	14.5	19,456	112,848	13.9	18,651	101,754
2031	137,867	11.1	15,303	90,096	14.5	19,991	112,619	13.9	19,164	101,547

		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	$ 108,000	16.6%	$17,928	$ 116,561	17.9%	$19,332	$ 129,976	19.3%	$20,844	$ 135,483
2023	110,970	16.6	18,421	117,679	17.9	19,864	131,223	19.3	21,417	136,783
2024	114,022	16.6	18,928	118,682	17.9	20,410	132,341	19.3	22,006	137,949
2025	117,158	16.6	19,448	119,556	17.9	20,971	133,316	19.3	22,611	138,965
2026	120,380	16.6	19,983	120,287	17.9	21,548	134,131	19.3	23,233	139,814
2027	123,690	16.6	20,533	120,859	17.9	22,141	134,769	19.3	23,872	140,479
2028	127,091	16.6	21,097	121,255	17.9	22,749	135,211	19.3	24,529	140,939
2029	130,586	16.6	21,677	121,457	17.9	23,375	135,436	19.3	25,203	141,174
2030	134,177	16.6	22,273	121,445	17.9	24,018	135,423	19.3	25,896	141,160
2031	137,867	16.6	22,886	121,198	17.9	24,678	135,148	19.3	26,608	140,873

		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	$ 108,000	21.4%	$23,112	$ 151,638	22.0%	$23,760	$ 154,379	24.8%	$26,784	$ 173,300
2023	110,970	21.4	23,748	153,093	22.0	24,413	155,860	24.8	27,521	174,962
2024	114,022	21.4	24,401	154,398	22.0	25,085	157,188	24.8	28,277	176,453
2025	117,158	21.4	25,072	155,535	22.0	25,775	158,346	24.8	29,055	177,752
2026	120,380	21.4	25,761	156,486	22.0	26,484	159,314	24.8	29,854	178,838
2027	123,690	21.4	26,470	157,230	22.0	27,212	160,071	24.8	30,675	179,688
2028	127,091	21.4	27,197	157,745	22.0	27,960	160,596	24.8	31,519	180,277
2029	130,586	21.4	27,945	158,008	22.0	28,729	160,864	24.8	32,385	180,577
2030	134,177	21.4	28,714	157,993	22.0	29,519	160,849	24.8	33,276	180,560
2031	137,867	21.4	29,504	157,672	22.0	30,331	160,522	24.8	34,191	180,193

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.

Eagle Rock Golden Mano 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	$ 108,000	9.2%	$9,936	$ 86,650	12.6%	$13,608	$ 108,310	12.0%	$12,960	$ 97,663
2023	110,970	9.2	10,209	87,481	12.6	13,982	109,349	12.0	13,316	98,600
2024	114,022	9.2	10,490	88,226	12.6	14,367	110,281	12.0	13,683	99,440
2025	117,158	9.2	10,779	88,876	12.6	14,762	111,093	12.0	14,059	100,172
2026	120,380	9.2	11,075	89,419	12.6	15,168	111,772	12.0	14,446	100,784
2027	123,690	9.2	11,379	89,844	12.6	15,585	112,303	12.0	14,843	101,263
2028	127,091	9.2	11,692	90,138	12.6	16,013	112,671	12.0	15,251	101,595
2029	130,586	9.2	12,014	90,288	12.6	16,454	112,859	12.0	15,670	101,764
2030	134,177	9.2	12,344	90,279	12.6	16,906	112,848	12.0	16,101	101,754
2031	137,867	9.2	12,684	90,096	12.6	17,371	112,619	12.0	16,544	101,547

		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	$ 108,000	14.7%	$15,876	$ 116,561	16.0%	$17,280	$ 129,976	17.4%	$18,792	$ 135,483
2023	110,970	14.7	16,313	117,679	16.0	17,755	131,223	17.4	19,309	136,783
2024	114,022	14.7	16,761	118,682	16.0	18,244	132,341	17.4	19,840	137,949
2025	117,158	14.7	17,222	119,556	16.0	18,745	133,316	17.4	20,385	138,965
2026	120,380	14.7	17,696	120,287	16.0	19,261	134,131	17.4	20,946	139,814
2027	123,690	14.7	18,182	120,859	16.0	19,790	134,769	17.4	21,522	140,479
2028	127,091	14.7	18,682	121,255	16.0	20,335	135,211	17.4	22,114	140,939
2029	130,586	14.7	19,196	121,457	16.0	20,894	135,436	17.4	22,722	141,174
2030	134,177	14.7	19,724	121,445	16.0	21,468	135,423	17.4	23,347	141,160
2031	137,867	14.7	20,266	121,198	16.0	22,059	135,148	17.4	23,989	140,873

		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	$ 108,000	19.5%	$21,060	$ 151,638	20.1%	$21,708	$ 154,379	22.9%	$24,732	$ 173,300
2023	110,970	19.5	21,639	153,093	20.1	22,305	155,860	22.9	25,412	174,962
2024	114,022	19.5	22,234	154,398	20.1	22,918	157,188	22.9	26,111	176,453
2025	117,158	19.5	22,846	155,535	20.1	23,549	158,346	22.9	26,829	177,752
2026	120,380	19.5	23,474	156,486	20.1	24,196	159,314	22.9	27,567	178,838
2027	123,690	19.5	24,120	157,230	20.1	24,862	160,071	22.9	28,325	179,688
2028	127,091	19.5	24,783	157,745	20.1	25,545	160,596	22.9	29,104	180,277
2029	130,586	19.5	25,464	158,008	20.1	26,248	160,864	22.9	29,904	180,577
2030	134,177	19.5	26,165	157,993	20.1	26,970	160,849	22.9	30,727	180,560
2031	137,867	19.5	26,884	157,672	20.1	27,711	160,522	22.9	31,572	180,193

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.

Eagle Rock Golden Mano 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	$ 108,000	15.2%	$16,416	$ 89,121	18.8%	$20,304	$ 111,392	18.2%	$19,656	$ 100,478
2023	110,970	15.2	16,867	89,976	18.8	20,862	112,461	18.2	20,197	101,442
2024	114,022	15.2	17,331	90,743	18.8	21,436	113,419	18.2	20,752	102,306
2025	117,158	15.2	17,808	91,411	18.8	22,026	114,254	18.2	21,323	103,059
2026	120,380	15.2	18,298	91,970	18.8	22,631	114,952	18.2	21,909	103,689
2027	123,690	15.2	18,801	92,407	18.8	23,254	115,499	18.2	22,512	104,182
2028	127,091	15.2	19,318	92,710	18.8	23,893	115,877	18.2	23,131	104,523
2029	130,586	15.2	19,849	92,864	18.8	24,550	116,070	18.2	23,767	104,697
2030	134,177	15.2	20,395	92,855	18.8	25,225	116,059	18.2	24,420	104,687
2031	137,867	15.2	20,956	92,666	18.8	25,919	115,823	18.2	25,092	104,474

		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	$ 108,000	21.0%	$22,680	$ 119,914	22.3%	$24,084	$ 133,685	23.8%	$25,704	$ 139,367
2023	110,970	21.0	23,304	121,064	22.3	24,746	134,967	23.8	26,411	140,704
2024	114,022	21.0	23,945	122,096	22.3	25,427	136,117	23.8	27,137	141,903
2025	117,158	21.0	24,603	122,995	22.3	26,126	137,119	23.8	27,884	142,948
2026	120,380	21.0	25,280	123,747	22.3	26,845	137,957	23.8	28,650	143,822
2027	123,690	21.0	25,975	124,335	22.3	27,583	138,613	23.8	29,438	144,506
2028	127,091	21.0	26,689	124,742	22.3	28,341	139,067	23.8	30,248	144,980
2029	130,586	21.0	27,423	124,950	22.3	29,121	139,299	23.8	31,079	145,222
2030	134,177	21.0	28,177	124,938	22.3	29,921	139,286	23.8	31,934	145,208
2031	137,867	21.0	28,952	124,684	22.3	30,744	139,003	23.8	32,812	144,913

		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	$ 108,000	25.9%	$27,972	$ 155,954	26.6%	$28,728	$ 158,801	29.4%	$31,752	$ 178,239
2023	110,970	25.9	28,741	157,450	26.6	29,518	160,324	29.4	32,625	179,949
2024	114,022	25.9	29,532	158,792	26.6	30,330	161,690	29.4	33,522	181,482
2025	117,158	25.9	30,344	159,961	26.6	31,164	162,881	29.4	34,444	182,818
2026	120,380	25.9	31,178	160,939	26.6	32,021	163,877	29.4	35,392	183,935
2027	123,690	25.9	32,036	161,704	26.6	32,902	164,656	29.4	36,365	184,809
2028	127,091	25.9	32,917	162,234	26.6	33,806	165,196	29.4	37,365	185,415
2029	130,586	25.9	33,822	162,504	26.6	34,736	165,471	29.4	38,392	185,724
2030	134,177	25.9	34,752	162,488	26.6	35,691	165,455	29.4	39,448	185,706
2031	137,867	25.9	35,708	162,158	26.6	36,673	165,119	29.4	40,533	185,329

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.

Eagle Rock Golden Mano Fire Protection District - Fire

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 108,000	13.3%	$14,364	$ 89,121	16.9%	$18,252	$ 111,392	16.3%	$17,604	$ 100,478
2023	110,970	13.3	14,759	89,976	16.9	18,754	112,461	16.3	18,088	101,442
2024	114,022	13.3	15,165	90,743	16.9	19,270	113,419	16.3	18,586	102,306
2025	117,158	13.3	15,582	91,411	16.9	19,800	114,254	16.3	19,097	103,059
2026	120,380	13.3	16,011	91,970	16.9	20,344	114,952	16.3	19,622	103,689
2027	123,690	13.3	16,451	92,407	16.9	20,904	115,499	16.3	20,161	104,182
2028	127,091	13.3	16,903	92,710	16.9	21,478	115,877	16.3	20,716	104,523
2029	130,586	13.3	17,368	92,864	16.9	22,069	116,070	16.3	21,286	104,697
2030	134,177	13.3	17,846	92,855	16.9	22,676	116,059	16.3	21,871	104,687
2031	137,867	13.3	18,336	92,666	16.9	23,300	115,823	16.3	22,472	104,474

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 108,000	19.1%	$20,628	$ 119,914	20.4%	$22,032	$ 133,685	21.9%	$23,652	$ 139,367
2023	110,970	19.1	21,195	121,064	20.4	22,638	134,967	21.9	24,302	140,704
2024	114,022	19.1	21,778	122,096	20.4	23,260	136,117	21.9	24,971	141,903
2025	117,158	19.1	22,377	122,995	20.4	23,900	137,119	21.9	25,658	142,948
2026	120,380	19.1	22,993	123,747	20.4	24,558	137,957	21.9	26,363	143,822
2027	123,690	19.1	23,625	124,335	20.4	25,233	138,613	21.9	27,088	144,506
2028	127,091	19.1	24,274	124,742	20.4	25,927	139,067	21.9	27,833	144,980
2029	130,586	19.1	24,942	124,950	20.4	26,640	139,299	21.9	28,598	145,222
2030	134,177	19.1	25,628	124,938	20.4	27,372	139,286	21.9	29,385	145,208
2031	137,867	19.1	26,333	124,684	20.4	28,125	139,003	21.9	30,193	144,913

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 108,000	24.0%	$25,920	$ 155,954	24.7%	$26,676	$ 158,801	27.5%	$29,700	$ 178,239
2023	110,970	24.0	26,633	157,450	24.7	27,410	160,324	27.5	30,517	179,949
2024	114,022	24.0	27,365	158,792	24.7	28,163	161,690	27.5	31,356	181,482
2025	117,158	24.0	28,118	159,961	24.7	28,938	162,881	27.5	32,218	182,818
2026	120,380	24.0	28,891	160,939	24.7	29,734	163,877	27.5	33,105	183,935
2027	123,690	24.0	29,686	161,704	24.7	30,551	164,656	27.5	34,015	184,809
2028	127,091	24.0	30,502	162,234	24.7	31,391	165,196	27.5	34,950	185,415
2029	130,586	24.0	31,341	162,504	24.7	32,255	165,471	27.5	35,911	185,724
2030	134,177	24.0	32,202	162,488	24.7	33,142	165,455	27.5	36,899	185,706
2031	137,867	24.0	33,088	162,158	24.7	34,053	165,119	27.5	37,913	185,329

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.

Eagle Rock Golden Mano 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 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	$ 108,000	11.4%	$12,312	$ 89,121	15.0%	$16,200	$ 111,392	14.4%	$15,552	$ 100,478
2023	110,970	11.4	12,651	89,976	15.0	16,646	112,461	14.4	15,980	101,442
2024	114,022	11.4	12,999	90,743	15.0	17,103	113,419	14.4	16,419	102,306
2025	117,158	11.4	13,356	91,411	15.0	17,574	114,254	14.4	16,871	103,059
2026	120,380	11.4	13,723	91,970	15.0	18,057	114,952	14.4	17,335	103,689
2027	123,690	11.4	14,101	92,407	15.0	18,554	115,499	14.4	17,811	104,182
2028	127,091	11.4	14,488	92,710	15.0	19,064	115,877	14.4	18,301	104,523
2029	130,586	11.4	14,887	92,864	15.0	19,588	116,070	14.4	18,804	104,697
2030	134,177	11.4	15,296	92,855	15.0	20,127	116,059	14.4	19,321	104,687
2031	137,867	11.4	15,717	92,666	15.0	20,680	115,823	14.4	19,853	104,474

		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	$ 108,000	17.2%	$18,576	$ 119,914	18.5%	$19,980	$ 133,685	20.0%	$21,600	$ 139,367
2023	110,970	17.2	19,087	121,064	18.5	20,529	134,967	20.0	22,194	140,704
2024	114,022	17.2	19,612	122,096	18.5	21,094	136,117	20.0	22,804	141,903
2025	117,158	17.2	20,151	122,995	18.5	21,674	137,119	20.0	23,432	142,948
2026	120,380	17.2	20,705	123,747	18.5	22,270	137,957	20.0	24,076	143,822
2027	123,690	17.2	21,275	124,335	18.5	22,883	138,613	20.0	24,738	144,506
2028	127,091	17.2	21,860	124,742	18.5	23,512	139,067	20.0	25,418	144,980
2029	130,586	17.2	22,461	124,950	18.5	24,158	139,299	20.0	26,117	145,222
2030	134,177	17.2	23,078	124,938	18.5	24,823	139,286	20.0	26,835	145,208
2031	137,867	17.2	23,713	124,684	18.5	25,505	139,003	20.0	27,573	144,913

		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	$ 108,000	22.1%	$23,868	$ 155,954	22.8%	$24,624	$ 158,801	25.6%	$27,648	$ 178,239
2023	110,970	22.1	24,524	157,450	22.8	25,301	160,324	25.6	28,408	179,949
2024	114,022	22.1	25,199	158,792	22.8	25,997	161,690	25.6	29,190	181,482
2025	117,158	22.1	25,892	159,961	22.8	26,712	162,881	25.6	29,992	182,818
2026	120,380	22.1	26,604	160,939	22.8	27,447	163,877	25.6	30,817	183,935
2027	123,690	22.1	27,335	161,704	22.8	28,201	164,656	25.6	31,665	184,809
2028	127,091	22.1	28,087	162,234	22.8	28,977	165,196	25.6	32,535	185,415
2029	130,586	22.1	28,860	162,504	22.8	29,774	165,471	25.6	33,430	185,724
2030	134,177	22.1	29,653	162,488	22.8	30,592	165,455	25.6	34,349	185,706
2031	137,867	22.1	30,469	162,158	22.8	31,434	165,119	25.6	35,294	185,329

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.

Eagle Rock Golden Mano 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	$ 108,000	9.5%	$10,260	$ 89,121	13.1%	$14,148	$ 111,392	12.5%	$13,500	$ 100,478
2023	110,970	9.5	10,542	89,976	13.1	14,537	112,461	12.5	13,871	101,442
2024	114,022	9.5	10,832	90,743	13.1	14,937	113,419	12.5	14,253	102,306
2025	117,158	9.5	11,130	91,411	13.1	15,348	114,254	12.5	14,645	103,059
2026	120,380	9.5	11,436	91,970	13.1	15,770	114,952	12.5	15,048	103,689
2027	123,690	9.5	11,751	92,407	13.1	16,203	115,499	12.5	15,461	104,182
2028	127,091	9.5	12,074	92,710	13.1	16,649	115,877	12.5	15,886	104,523
2029	130,586	9.5	12,406	92,864	13.1	17,107	116,070	12.5	16,323	104,697
2030	134,177	9.5	12,747	92,855	13.1	17,577	116,059	12.5	16,772	104,687
2031	137,867	9.5	13,097	92,666	13.1	18,061	115,823	12.5	17,233	104,474

		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	$ 108,000	15.3%	$16,524	$ 119,914	16.6%	$17,928	$ 133,685	18.1%	$19,548	$ 139,367
2023	110,970	15.3	16,978	121,064	16.6	18,421	134,967	18.1	20,086	140,704
2024	114,022	15.3	17,445	122,096	16.6	18,928	136,117	18.1	20,638	141,903
2025	117,158	15.3	17,925	122,995	16.6	19,448	137,119	18.1	21,206	142,948
2026	120,380	15.3	18,418	123,747	16.6	19,983	137,957	18.1	21,789	143,822
2027	123,690	15.3	18,925	124,335	16.6	20,533	138,613	18.1	22,388	144,506
2028	127,091	15.3	19,445	124,742	16.6	21,097	139,067	18.1	23,003	144,980
2029	130,586	15.3	19,980	124,950	16.6	21,677	139,299	18.1	23,636	145,222
2030	134,177	15.3	20,529	124,938	16.6	22,273	139,286	18.1	24,286	145,208
2031	137,867	15.3	21,094	124,684	16.6	22,886	139,003	18.1	24,954	144,913

		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	$ 108,000	20.2%	$21,816	$ 155,954	20.9%	$22,572	$ 158,801	23.7%	$25,596	$ 178,239
2023	110,970	20.2	22,416	157,450	20.9	23,193	160,324	23.7	26,300	179,949
2024	114,022	20.2	23,032	158,792	20.9	23,831	161,690	23.7	27,023	181,482
2025	117,158	20.2	23,666	159,961	20.9	24,486	162,881	23.7	27,766	182,818
2026	120,380	20.2	24,317	160,939	20.9	25,159	163,877	23.7	28,530	183,935
2027	123,690	20.2	24,985	161,704	20.9	25,851	164,656	23.7	29,315	184,809
2028	127,091	20.2	25,672	162,234	20.9	26,562	165,196	23.7	30,121	185,415
2029	130,586	20.2	26,378	162,504	20.9	27,292	165,471	23.7	30,949	185,724
2030	134,177	20.2	27,104	162,488	20.9	28,043	165,455	23.7	31,800	185,706
2031	137,867	20.2	27,849	162,158	20.9	28,814	165,119	23.7	32,674	185,329

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.

Eagle Rock Golden Mano 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 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	$ 108,000	14.9%	$16,092	$ 86,650	18.3%	$19,764	$ 108,310	17.7%	$19,116	$ 97,663
2023	110,970	14.9	16,535	87,481	18.3	20,308	109,349	17.7	19,642	98,600
2024	114,022	14.9	16,989	88,226	18.3	20,866	110,281	17.7	20,182	99,440
2025	117,158	14.9	17,457	88,876	18.3	21,440	111,093	17.7	20,737	100,172
2026	120,380	14.9	17,937	89,419	18.3	22,030	111,772	17.7	21,307	100,784
2027	123,690	14.9	18,430	89,844	18.3	22,635	112,303	17.7	21,893	101,263
2028	127,091	14.9	18,937	90,138	18.3	23,258	112,671	17.7	22,495	101,595
2029	130,586	14.9	19,457	90,288	18.3	23,897	112,859	17.7	23,114	101,764
2030	134,177	14.9	19,992	90,279	18.3	24,554	112,848	17.7	23,749	101,754
2031	137,867	14.9	20,542	90,096	18.3	25,230	112,619	17.7	24,402	101,547

		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	$ 108,000	20.4%	$22,032	$ 116,561	21.7%	$23,436	$ 129,976	23.1%	$24,948	$ 135,483
2023	110,970	20.4	22,638	117,679	21.7	24,080	131,223	23.1	25,634	136,783
2024	114,022	20.4	23,260	118,682	21.7	24,743	132,341	23.1	26,339	137,949
2025	117,158	20.4	23,900	119,556	21.7	25,423	133,316	23.1	27,063	138,965
2026	120,380	20.4	24,558	120,287	21.7	26,122	134,131	23.1	27,808	139,814
2027	123,690	20.4	25,233	120,859	21.7	26,841	134,769	23.1	28,572	140,479
2028	127,091	20.4	25,927	121,255	21.7	27,579	135,211	23.1	29,358	140,939
2029	130,586	20.4	26,640	121,457	21.7	28,337	135,436	23.1	30,165	141,174
2030	134,177	20.4	27,372	121,445	21.7	29,116	135,423	23.1	30,995	141,160
2031	137,867	20.4	28,125	121,198	21.7	29,917	135,148	23.1	31,847	140,873

		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	$ 108,000	25.2%	$27,216	$ 151,638	25.8%	$27,864	$ 154,379	28.6%	$30,888	$ 173,300
2023	110,970	25.2	27,964	153,093	25.8	28,630	155,860	28.6	31,737	174,962
2024	114,022	25.2	28,734	154,398	25.8	29,418	157,188	28.6	32,610	176,453
2025	117,158	25.2	29,524	155,535	25.8	30,227	158,346	28.6	33,507	177,752
2026	120,380	25.2	30,336	156,486	25.8	31,058	159,314	28.6	34,429	178,838
2027	123,690	25.2	31,170	157,230	25.8	31,912	160,071	28.6	35,375	179,688
2028	127,091	25.2	32,027	157,745	25.8	32,789	160,596	28.6	36,348	180,277
2029	130,586	25.2	32,908	158,008	25.8	33,691	160,864	28.6	37,348	180,577
2030	134,177	25.2	33,813	157,993	25.8	34,618	160,849	28.6	38,375	180,560
2031	137,867	25.2	34,742	157,672	25.8	35,570	160,522	28.6	39,430	180,193

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.

Eagle Rock Golden Mano Fire Protection District - Fire

Employer Contribution Rates (2% 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	$ 108,000	13.0%	$14,040	$ 86,650	16.4%	$17,712	$ 108,310	15.8%	$17,064	$ 97,663
2023	110,970	13.0	14,426	87,481	16.4	18,199	109,349	15.8	17,533	98,600
2024	114,022	13.0	14,823	88,226	16.4	18,700	110,281	15.8	18,015	99,440
2025	117,158	13.0	15,231	88,876	16.4	19,214	111,093	15.8	18,511	100,172
2026	120,380	13.0	15,649	89,419	16.4	19,742	111,772	15.8	19,020	100,784
2027	123,690	13.0	16,080	89,844	16.4	20,285	112,303	15.8	19,543	101,263
2028	127,091	13.0	16,522	90,138	16.4	20,843	112,671	15.8	20,080	101,595
2029	130,586	13.0	16,976	90,288	16.4	21,416	112,859	15.8	20,633	101,764
2030	134,177	13.0	17,443	90,279	16.4	22,005	112,848	15.8	21,200	101,754
2031	137,867	13.0	17,923	90,096	16.4	22,610	112,619	15.8	21,783	101,547

		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	$ 108,000	18.5%	$19,980	$ 116,561	19.8%	$21,384	$ 129,976	21.2%	$22,896	$ 135,483
2023	110,970	18.5	20,529	117,679	19.8	21,972	131,223	21.2	23,526	136,783
2024	114,022	18.5	21,094	118,682	19.8	22,576	132,341	21.2	24,173	137,949
2025	117,158	18.5	21,674	119,556	19.8	23,197	133,316	21.2	24,837	138,965
2026	120,380	18.5	22,270	120,287	19.8	23,835	134,131	21.2	25,521	139,814
2027	123,690	18.5	22,883	120,859	19.8	24,491	134,769	21.2	26,222	140,479
2028	127,091	18.5	23,512	121,255	19.8	25,164	135,211	21.2	26,943	140,939
2029	130,586	18.5	24,158	121,457	19.8	25,856	135,436	21.2	27,684	141,174
2030	134,177	18.5	24,823	121,445	19.8	26,567	135,423	21.2	28,446	141,160
2031	137,867	18.5	25,505	121,198	19.8	27,298	135,148	21.2	29,228	140,873

		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	$ 108,000	23.3%	$25,164	$ 151,638	23.9%	$25,812	$ 154,379	26.7%	$28,836	$ 173,300
2023	110,970	23.3	25,856	153,093	23.9	26,522	155,860	26.7	29,629	174,962
2024	114,022	23.3	26,567	154,398	23.9	27,251	157,188	26.7	30,444	176,453
2025	117,158	23.3	27,298	155,535	23.9	28,001	158,346	26.7	31,281	177,752
2026	120,380	23.3	28,049	156,486	23.9	28,771	159,314	26.7	32,141	178,838
2027	123,690	23.3	28,820	157,230	23.9	29,562	160,071	26.7	33,025	179,688
2028	127,091	23.3	29,612	157,745	23.9	30,375	160,596	26.7	33,933	180,277
2029	130,586	23.3	30,427	158,008	23.9	31,210	160,864	26.7	34,866	180,577
2030	134,177	23.3	31,263	157,993	23.9	32,068	160,849	26.7	35,825	180,560
2031	137,867	23.3	32,123	157,672	23.9	32,950	160,522	26.7	36,810	180,193

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.

Eagle Rock Golden Mano Fire Protection District - Fire

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 108,000	11.1%	$11,988	$ 86,650	14.5%	$15,660	$ 108,310	13.9%	$15,012	$ 97,663
2023	110,970	11.1	12,318	87,481	14.5	16,091	109,349	13.9	15,425	98,600
2024	114,022	11.1	12,656	88,226	14.5	16,533	110,281	13.9	15,849	99,440
2025	117,158	11.1	13,005	88,876	14.5	16,988	111,093	13.9	16,285	100,172
2026	120,380	11.1	13,362	89,419	14.5	17,455	111,772	13.9	16,733	100,784
2027	123,690	11.1	13,730	89,844	14.5	17,935	112,303	13.9	17,193	101,263
2028	127,091	11.1	14,107	90,138	14.5	18,428	112,671	13.9	17,666	101,595
2029	130,586	11.1	14,495	90,288	14.5	18,935	112,859	13.9	18,151	101,764
2030	134,177	11.1	14,894	90,279	14.5	19,456	112,848	13.9	18,651	101,754
2031	137,867	11.1	15,303	90,096	14.5	19,991	112,619	13.9	19,164	101,547

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 108,000	16.6%	$17,928	$ 116,561	17.9%	$19,332	$ 129,976	19.3%	$20,844	$ 135,483
2023	110,970	16.6	18,421	117,679	17.9	19,864	131,223	19.3	21,417	136,783
2024	114,022	16.6	18,928	118,682	17.9	20,410	132,341	19.3	22,006	137,949
2025	117,158	16.6	19,448	119,556	17.9	20,971	133,316	19.3	22,611	138,965
2026	120,380	16.6	19,983	120,287	17.9	21,548	134,131	19.3	23,233	139,814
2027	123,690	16.6	20,533	120,859	17.9	22,141	134,769	19.3	23,872	140,479
2028	127,091	16.6	21,097	121,255	17.9	22,749	135,211	19.3	24,529	140,939
2029	130,586	16.6	21,677	121,457	17.9	23,375	135,436	19.3	25,203	141,174
2030	134,177	16.6	22,273	121,445	17.9	24,018	135,423	19.3	25,896	141,160
2031	137,867	16.6	22,886	121,198	17.9	24,678	135,148	19.3	26,608	140,873

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	$ 108,000	21.4%	$23,112	$ 151,638	22.0%	$23,760	$ 154,379	24.8%	$26,784	$ 173,300
2023	110,970	21.4	23,748	153,093	22.0	24,413	155,860	24.8	27,521	174,962
2024	114,022	21.4	24,401	154,398	22.0	25,085	157,188	24.8	28,277	176,453
2025	117,158	21.4	25,072	155,535	22.0	25,775	158,346	24.8	29,055	177,752
2026	120,380	21.4	25,761	156,486	22.0	26,484	159,314	24.8	29,854	178,838
2027	123,690	21.4	26,470	157,230	22.0	27,212	160,071	24.8	30,675	179,688
2028	127,091	21.4	27,197	157,745	22.0	27,960	160,596	24.8	31,519	180,277
2029	130,586	21.4	27,945	158,008	22.0	28,729	160,864	24.8	32,385	180,577
2030	134,177	21.4	28,714	157,993	22.0	29,519	160,849	24.8	33,276	180,560
2031	137,867	21.4	29,504	157,672	22.0	30,331	160,522	24.8	34,191	180,193

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.

Eagle Rock Golden Mano 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	$ 108,000	9.2%	$9,936	$ 86,650	12.6%	$13,608	$ 108,310	12.0%	$12,960	$ 97,663
2023	110,970	9.2	10,209	87,481	12.6	13,982	109,349	12.0	13,316	98,600
2024	114,022	9.2	10,490	88,226	12.6	14,367	110,281	12.0	13,683	99,440
2025	117,158	9.2	10,779	88,876	12.6	14,762	111,093	12.0	14,059	100,172
2026	120,380	9.2	11,075	89,419	12.6	15,168	111,772	12.0	14,446	100,784
2027	123,690	9.2	11,379	89,844	12.6	15,585	112,303	12.0	14,843	101,263
2028	127,091	9.2	11,692	90,138	12.6	16,013	112,671	12.0	15,251	101,595
2029	130,586	9.2	12,014	90,288	12.6	16,454	112,859	12.0	15,670	101,764
2030	134,177	9.2	12,344	90,279	12.6	16,906	112,848	12.0	16,101	101,754
2031	137,867	9.2	12,684	90,096	12.6	17,371	112,619	12.0	16,544	101,547

		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	$ 108,000	14.7%	$15,876	$ 116,561	16.0%	$17,280	$ 129,976	17.4%	$18,792	$ 135,483
2023	110,970	14.7	16,313	117,679	16.0	17,755	131,223	17.4	19,309	136,783
2024	114,022	14.7	16,761	118,682	16.0	18,244	132,341	17.4	19,840	137,949
2025	117,158	14.7	17,222	119,556	16.0	18,745	133,316	17.4	20,385	138,965
2026	120,380	14.7	17,696	120,287	16.0	19,261	134,131	17.4	20,946	139,814
2027	123,690	14.7	18,182	120,859	16.0	19,790	134,769	17.4	21,522	140,479
2028	127,091	14.7	18,682	121,255	16.0	20,335	135,211	17.4	22,114	140,939
2029	130,586	14.7	19,196	121,457	16.0	20,894	135,436	17.4	22,722	141,174
2030	134,177	14.7	19,724	121,445	16.0	21,468	135,423	17.4	23,347	141,160
2031	137,867	14.7	20,266	121,198	16.0	22,059	135,148	17.4	23,989	140,873

		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	$ 108,000	19.5%	$21,060	$ 151,638	20.1%	$21,708	$ 154,379	22.9%	$24,732	$ 173,300
2023	110,970	19.5	21,639	153,093	20.1	22,305	155,860	22.9	25,412	174,962
2024	114,022	19.5	22,234	154,398	20.1	22,918	157,188	22.9	26,111	176,453
2025	117,158	19.5	22,846	155,535	20.1	23,549	158,346	22.9	26,829	177,752
2026	120,380	19.5	23,474	156,486	20.1	24,196	159,314	22.9	27,567	178,838
2027	123,690	19.5	24,120	157,230	20.1	24,862	160,071	22.9	28,325	179,688
2028	127,091	19.5	24,783	157,745	20.1	25,545	160,596	22.9	29,104	180,277
2029	130,586	19.5	25,464	158,008	20.1	26,248	160,864	22.9	29,904	180,577
2030	134,177	19.5	26,165	157,993	20.1	26,970	160,849	22.9	30,727	180,560
2031	137,867	19.5	26,884	157,672	20.1	27,711	160,522	22.9	31,572	180,193

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.

Eagle Rock Golden Mano 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	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	$ 108,000	15.2%	$16,416	$ 89,121	18.8%	$20,304	$ 111,392	18.2%	$19,656	$ 100,478
2023	110,970	15.2	16,867	89,976	18.8	20,862	112,461	18.2	20,197	101,442
2024	114,022	15.2	17,331	90,743	18.8	21,436	113,419	18.2	20,752	102,306
2025	117,158	15.2	17,808	91,411	18.8	22,026	114,254	18.2	21,323	103,059
2026	120,380	15.2	18,298	91,970	18.8	22,631	114,952	18.2	21,909	103,689
2027	123,690	15.2	18,801	92,407	18.8	23,254	115,499	18.2	22,512	104,182
2028	127,091	15.2	19,318	92,710	18.8	23,893	115,877	18.2	23,131	104,523
2029	130,586	15.2	19,849	92,864	18.8	24,550	116,070	18.2	23,767	104,697
2030	134,177	15.2	20,395	92,855	18.8	25,225	116,059	18.2	24,420	104,687
2031	137,867	15.2	20,956	92,666	18.8	25,919	115,823	18.2	25,092	104,474

		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	$ 108,000	21.0%	$22,680	$ 119,914	22.3%	$24,084	$ 133,685	23.8%	$25,704	$ 139,367
2023	110,970	21.0	23,304	121,064	22.3	24,746	134,967	23.8	26,411	140,704
2024	114,022	21.0	23,945	122,096	22.3	25,427	136,117	23.8	27,137	141,903
2025	117,158	21.0	24,603	122,995	22.3	26,126	137,119	23.8	27,884	142,948
2026	120,380	21.0	25,280	123,747	22.3	26,845	137,957	23.8	28,650	143,822
2027	123,690	21.0	25,975	124,335	22.3	27,583	138,613	23.8	29,438	144,506
2028	127,091	21.0	26,689	124,742	22.3	28,341	139,067	23.8	30,248	144,980
2029	130,586	21.0	27,423	124,950	22.3	29,121	139,299	23.8	31,079	145,222
2030	134,177	21.0	28,177	124,938	22.3	29,921	139,286	23.8	31,934	145,208
2031	137,867	21.0	28,952	124,684	22.3	30,744	139,003	23.8	32,812	144,913

		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	$ 108,000	25.9%	$27,972	$ 155,954	26.6%	$28,728	$ 158,801	29.4%	$31,752	$ 178,239
2023	110,970	25.9	28,741	157,450	26.6	29,518	160,324	29.4	32,625	179,949
2024	114,022	25.9	29,532	158,792	26.6	30,330	161,690	29.4	33,522	181,482
2025	117,158	25.9	30,344	159,961	26.6	31,164	162,881	29.4	34,444	182,818
2026	120,380	25.9	31,178	160,939	26.6	32,021	163,877	29.4	35,392	183,935
2027	123,690	25.9	32,036	161,704	26.6	32,902	164,656	29.4	36,365	184,809
2028	127,091	25.9	32,917	162,234	26.6	33,806	165,196	29.4	37,365	185,415
2029	130,586	25.9	33,822	162,504	26.6	34,736	165,471	29.4	38,392	185,724
2030	134,177	25.9	34,752	162,488	26.6	35,691	165,455	29.4	39,448	185,706
2031	137,867	25.9	35,708	162,158	26.6	36,673	165,119	29.4	40,533	185,329

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.

Eagle Rock Golden Mano 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 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	$ 108,000	13.3%	$14,364	$ 89,121	16.9%	$18,252	$ 111,392	16.3%	$17,604	$ 100,478
2023	110,970	13.3	14,759	89,976	16.9	18,754	112,461	16.3	18,088	101,442
2024	114,022	13.3	15,165	90,743	16.9	19,270	113,419	16.3	18,586	102,306
2025	117,158	13.3	15,582	91,411	16.9	19,800	114,254	16.3	19,097	103,059
2026	120,380	13.3	16,011	91,970	16.9	20,344	114,952	16.3	19,622	103,689
2027	123,690	13.3	16,451	92,407	16.9	20,904	115,499	16.3	20,161	104,182
2028	127,091	13.3	16,903	92,710	16.9	21,478	115,877	16.3	20,716	104,523
2029	130,586	13.3	17,368	92,864	16.9	22,069	116,070	16.3	21,286	104,697
2030	134,177	13.3	17,846	92,855	16.9	22,676	116,059	16.3	21,871	104,687
2031	137,867	13.3	18,336	92,666	16.9	23,300	115,823	16.3	22,472	104,474

		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	$ 108,000	19.1%	$20,628	$ 119,914	20.4%	$22,032	$ 133,685	21.9%	$23,652	$ 139,367
2023	110,970	19.1	21,195	121,064	20.4	22,638	134,967	21.9	24,302	140,704
2024	114,022	19.1	21,778	122,096	20.4	23,260	136,117	21.9	24,971	141,903
2025	117,158	19.1	22,377	122,995	20.4	23,900	137,119	21.9	25,658	142,948
2026	120,380	19.1	22,993	123,747	20.4	24,558	137,957	21.9	26,363	143,822
2027	123,690	19.1	23,625	124,335	20.4	25,233	138,613	21.9	27,088	144,506
2028	127,091	19.1	24,274	124,742	20.4	25,927	139,067	21.9	27,833	144,980
2029	130,586	19.1	24,942	124,950	20.4	26,640	139,299	21.9	28,598	145,222
2030	134,177	19.1	25,628	124,938	20.4	27,372	139,286	21.9	29,385	145,208
2031	137,867	19.1	26,333	124,684	20.4	28,125	139,003	21.9	30,193	144,913

		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	$ 108,000	24.0%	$25,920	$ 155,954	24.7%	$26,676	$ 158,801	27.5%	$29,700	$ 178,239
2023	110,970	24.0	26,633	157,450	24.7	27,410	160,324	27.5	30,517	179,949
2024	114,022	24.0	27,365	158,792	24.7	28,163	161,690	27.5	31,356	181,482
2025	117,158	24.0	28,118	159,961	24.7	28,938	162,881	27.5	32,218	182,818
2026	120,380	24.0	28,891	160,939	24.7	29,734	163,877	27.5	33,105	183,935
2027	123,690	24.0	29,686	161,704	24.7	30,551	164,656	27.5	34,015	184,809
2028	127,091	24.0	30,502	162,234	24.7	31,391	165,196	27.5	34,950	185,415
2029	130,586	24.0	31,341	162,504	24.7	32,255	165,471	27.5	35,911	185,724
2030	134,177	24.0	32,202	162,488	24.7	33,142	165,455	27.5	36,899	185,706
2031	137,867	24.0	33,088	162,158	24.7	34,053	165,119	27.5	37,913	185,329

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.

Eagle Rock Golden Mano 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 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	$ 108,000	11.4%	$12,312	$ 89,121	15.0%	$16,200	$ 111,392	14.4%	$15,552	$ 100,478
2023	110,970	11.4	12,651	89,976	15.0	16,646	112,461	14.4	15,980	101,442
2024	114,022	11.4	12,999	90,743	15.0	17,103	113,419	14.4	16,419	102,306
2025	117,158	11.4	13,356	91,411	15.0	17,574	114,254	14.4	16,871	103,059
2026	120,380	11.4	13,723	91,970	15.0	18,057	114,952	14.4	17,335	103,689
2027	123,690	11.4	14,101	92,407	15.0	18,554	115,499	14.4	17,811	104,182
2028	127,091	11.4	14,488	92,710	15.0	19,064	115,877	14.4	18,301	104,523
2029	130,586	11.4	14,887	92,864	15.0	19,588	116,070	14.4	18,804	104,697
2030	134,177	11.4	15,296	92,855	15.0	20,127	116,059	14.4	19,321	104,687
2031	137,867	11.4	15,717	92,666	15.0	20,680	115,823	14.4	19,853	104,474

		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	$ 108,000	17.2%	$18,576	$ 119,914	18.5%	$19,980	$ 133,685	20.0%	$21,600	$ 139,367
2023	110,970	17.2	19,087	121,064	18.5	20,529	134,967	20.0	22,194	140,704
2024	114,022	17.2	19,612	122,096	18.5	21,094	136,117	20.0	22,804	141,903
2025	117,158	17.2	20,151	122,995	18.5	21,674	137,119	20.0	23,432	142,948
2026	120,380	17.2	20,705	123,747	18.5	22,270	137,957	20.0	24,076	143,822
2027	123,690	17.2	21,275	124,335	18.5	22,883	138,613	20.0	24,738	144,506
2028	127,091	17.2	21,860	124,742	18.5	23,512	139,067	20.0	25,418	144,980
2029	130,586	17.2	22,461	124,950	18.5	24,158	139,299	20.0	26,117	145,222
2030	134,177	17.2	23,078	124,938	18.5	24,823	139,286	20.0	26,835	145,208
2031	137,867	17.2	23,713	124,684	18.5	25,505	139,003	20.0	27,573	144,913

		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	$ 108,000	22.1%	$23,868	$ 155,954	22.8%	$24,624	$ 158,801	25.6%	$27,648	$ 178,239
2023	110,970	22.1	24,524	157,450	22.8	25,301	160,324	25.6	28,408	179,949
2024	114,022	22.1	25,199	158,792	22.8	25,997	161,690	25.6	29,190	181,482
2025	117,158	22.1	25,892	159,961	22.8	26,712	162,881	25.6	29,992	182,818
2026	120,380	22.1	26,604	160,939	22.8	27,447	163,877	25.6	30,817	183,935
2027	123,690	22.1	27,335	161,704	22.8	28,201	164,656	25.6	31,665	184,809
2028	127,091	22.1	28,087	162,234	22.8	28,977	165,196	25.6	32,535	185,415
2029	130,586	22.1	28,860	162,504	22.8	29,774	165,471	25.6	33,430	185,724
2030	134,177	22.1	29,653	162,488	22.8	30,592	165,455	25.6	34,349	185,706
2031	137,867	22.1	30,469	162,158	22.8	31,434	165,119	25.6	35,294	185,329

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.

Eagle Rock Golden Mano 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 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	$ 108,000	9.5%	$10,260	$ 89,121	13.1%	$14,148	$ 111,392	12.5%	$13,500	$ 100,478
2023	110,970	9.5	10,542	89,976	13.1	14,537	112,461	12.5	13,871	101,442
2024	114,022	9.5	10,832	90,743	13.1	14,937	113,419	12.5	14,253	102,306
2025	117,158	9.5	11,130	91,411	13.1	15,348	114,254	12.5	14,645	103,059
2026	120,380	9.5	11,436	91,970	13.1	15,770	114,952	12.5	15,048	103,689
2027	123,690	9.5	11,751	92,407	13.1	16,203	115,499	12.5	15,461	104,182
2028	127,091	9.5	12,074	92,710	13.1	16,649	115,877	12.5	15,886	104,523
2029	130,586	9.5	12,406	92,864	13.1	17,107	116,070	12.5	16,323	104,697
2030	134,177	9.5	12,747	92,855	13.1	17,577	116,059	12.5	16,772	104,687
2031	137,867	9.5	13,097	92,666	13.1	18,061	115,823	12.5	17,233	104,474

		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	$ 108,000	15.3%	$16,524	$ 119,914	16.6%	$17,928	$ 133,685	18.1%	$19,548	$ 139,367
2023	110,970	15.3	16,978	121,064	16.6	18,421	134,967	18.1	20,086	140,704
2024	114,022	15.3	17,445	122,096	16.6	18,928	136,117	18.1	20,638	141,903
2025	117,158	15.3	17,925	122,995	16.6	19,448	137,119	18.1	21,206	142,948
2026	120,380	15.3	18,418	123,747	16.6	19,983	137,957	18.1	21,789	143,822
2027	123,690	15.3	18,925	124,335	16.6	20,533	138,613	18.1	22,388	144,506
2028	127,091	15.3	19,445	124,742	16.6	21,097	139,067	18.1	23,003	144,980
2029	130,586	15.3	19,980	124,950	16.6	21,677	139,299	18.1	23,636	145,222
2030	134,177	15.3	20,529	124,938	16.6	22,273	139,286	18.1	24,286	145,208
2031	137,867	15.3	21,094	124,684	16.6	22,886	139,003	18.1	24,954	144,913

		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	$ 108,000	20.2%	$21,816	$ 155,954	20.9%	$22,572	$ 158,801	23.7%	$25,596	$ 178,239
2023	110,970	20.2	22,416	157,450	20.9	23,193	160,324	23.7	26,300	179,949
2024	114,022	20.2	23,032	158,792	20.9	23,831	161,690	23.7	27,023	181,482
2025	117,158	20.2	23,666	159,961	20.9	24,486	162,881	23.7	27,766	182,818
2026	120,380	20.2	24,317	160,939	20.9	25,159	163,877	23.7	28,530	183,935
2027	123,690	20.2	24,985	161,704	20.9	25,851	164,656	23.7	29,315	184,809
2028	127,091	20.2	25,672	162,234	20.9	26,562	165,196	23.7	30,121	185,415
2029	130,586	20.2	26,378	162,504	20.9	27,292	165,471	23.7	30,949	185,724
2030	134,177	20.2	27,104	162,488	20.9	28,043	165,455	23.7	31,800	185,706
2031	137,867	20.2	27,849	162,158	20.9	28,814	165,119	23.7	32,674	185,329

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.