



The Initial Valuation For

St. Clair Fire Protection District

as of December 31, 2023



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February 16, 2024

St. Clair Fire Protection District
St. Clair, 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, 2023.

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 December 31, 2023. 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 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.

St. Clair 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	8.20%	0.60%	4.80%	13.60%	11.70%	9.80%	7.90%
L-3	Fire	10.10	0.70	6.00	16.80	14.90	13.00	11.10
LT-4(65)	Fire	10.20	0.60	6.00	16.80	14.90	13.00	11.10
LT-5(65)	Fire	11.50	0.70	6.90	19.10	17.20	15.30	13.40
L-7	Fire	11.90	0.80	7.20	19.90	18.00	16.10	14.20
LT-8(65)	Fire	12.90	0.80	7.80	21.50	19.60	17.70	15.80
L-12	Fire	13.70	0.90	8.40	23.00	21.10	19.20	17.30
LT-14(65)	Fire	14.20	0.90	8.70	23.80	21.90	20.00	18.10
L-6	Fire	15.60	1.00	9.60	26.20	24.30	22.40	20.50

* 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.

St. Clair 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	8.50%	0.60%	5.00%	14.10%	12.20%	10.30%	8.40%
L-3	Fire	10.40	0.70	6.20	17.30	15.40	13.50	11.60
LT-4(65)	Fire	10.50	0.60	6.20	17.30	15.40	13.50	11.60
LT-5(65)	Fire	11.90	0.70	7.10	19.70	17.80	15.90	14.00
L-7	Fire	12.30	0.80	7.40	20.50	18.60	16.70	14.80
LT-8(65)	Fire	13.30	0.80	8.00	22.10	20.20	18.30	16.40
L-12	Fire	14.20	0.90	8.70	23.80	21.90	20.00	18.10
LT-14(65)	Fire	14.70	0.90	9.00	24.60	22.70	20.80	18.90
L-6	Fire	16.10	1.00	9.90	27.00	25.10	23.20	21.30

* 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.

St. Clair 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	8.60%	0.60%	5.00%	14.20%	12.30%	10.40%	8.50%
L-3	Fire	10.50	0.70	6.30	17.50	15.60	13.70	11.80
LT-4(65)	Fire	11.10	0.60	6.60	18.30	16.40	14.50	12.60
LT-5(65)	Fire	12.40	0.70	7.50	20.60	18.70	16.80	14.90
L-7	Fire	12.50	0.80	7.60	20.90	19.00	17.10	15.20
LT-8(65)	Fire	13.70	0.80	8.30	22.80	20.90	19.00	17.10
L-12	Fire	14.40	0.90	8.80	24.10	22.20	20.30	18.40
LT-14(65)	Fire	15.00	0.90	9.20	25.10	23.20	21.30	19.40
L-6	Fire	16.30	1.00	10.10	27.40	25.50	23.60	21.70

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

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

St. Clair Fire Protection District

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

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	Fire	8.90%	0.60%	5.20%	14.70%	12.80%	10.90%	9.00%
L-3	Fire	10.90	0.70	6.50	18.10	16.20	14.30	12.40
LT-4(65)	Fire	11.40	0.60	6.80	18.80	16.90	15.00	13.10
LT-5(65)	Fire	12.80	0.70	7.70	21.20	19.30	17.40	15.50
L-7	Fire	12.90	0.80	7.80	21.50	19.60	17.70	15.80
LT-8(65)	Fire	14.20	0.80	8.60	23.60	21.70	19.80	17.90
L-12	Fire	14.90	0.90	9.10	24.90	23.00	21.10	19.20
LT-14(65)	Fire	15.50	0.90	9.50	25.90	24.00	22.10	20.20
L-6	Fire	16.90	1.00	10.40	28.30	26.40	24.50	22.60

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.

St. Clair Fire Protection District

Employer Contribution Dollars Fire

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

Benefit Program	5 Year FAS			
	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 125,231	\$ 107,736	\$ 90,240	\$ 72,745
L-3	154,697	137,202	119,706	102,211
LT-4(65)	154,697	137,202	119,706	102,211
LT-5(65)	175,876	158,381	140,885	123,389
L-7	183,243	165,747	148,252	130,756
LT-8(65)	197,976	180,480	162,985	145,489
L-12	211,788	194,292	176,797	159,301
LT-14(65)	219,154	201,659	184,163	166,668
L-6	241,254	223,759	206,263	188,767

Benefit Program	3 Year FAS			
	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 129,835	\$ 112,340	\$ 94,844	\$ 77,349
L-3	159,301	141,806	124,310	106,815
LT-4(65)	159,301	141,806	124,310	106,815
LT-5(65)	181,401	163,905	146,410	128,914
L-7	188,767	171,272	153,776	136,281
LT-8(65)	203,501	186,005	168,510	151,014
L-12	219,154	201,659	184,163	166,668
LT-14(65)	226,521	209,025	191,530	174,034
L-6	248,621	231,125	213,630	196,134

Rule of 80 Retirement Eligibility

Benefit Program	5 Year FAS			
	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 130,756	\$ 113,260	\$ 95,765	\$ 78,269
L-3	161,143	143,647	126,152	108,656
LT-4(65)	168,510	151,014	133,518	116,023
LT-5(65)	189,688	172,193	154,697	137,202
L-7	192,451	174,955	157,460	139,964
LT-8(65)	209,946	192,451	174,955	157,460
L-12	221,917	204,421	186,926	169,430
LT-14(65)	231,125	213,630	196,134	178,638
L-6	252,304	234,808	217,313	199,817

Benefit Program	3 Year FAS			
	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 135,360	\$ 117,865	\$ 100,369	\$ 82,874
L-3	166,668	149,172	131,677	114,181
LT-4(65)	173,114	155,618	138,123	120,627
LT-5(65)	195,213	177,718	160,222	142,727
L-7	197,976	180,480	162,985	145,489
LT-8(65)	217,313	199,817	182,322	164,826
L-12	229,283	211,788	194,292	176,797
LT-14(65)	238,492	220,996	203,501	186,005
L-6	260,591	243,096	225,600	208,105

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.

St. Clair Fire Protection District

Employees and Payroll Included in the Valuation

	Fire
Number of Employees	19
Annual Payroll	\$ 920,817

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:

St. Clair Fire Protection District

Regular Retirement Eligibility

Benefit Group	Employee Group	Member Contribution Rate - 0%	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	Fire	\$ 757,009	\$ 781,074
L-3	Fire	946,181	976,328
LT-4(65)	Fire	945,670	976,365
LT-5(65)	Fire	1,087,763	1,122,737
L-7	Fire	1,135,428	1,171,535
LT-8(65)	Fire	1,229,812	1,269,164
L-12	Fire	1,324,667	1,366,874
LT-14(65)	Fire	1,371,846	1,415,692
L-6	Fire	1,513,886	1,562,120

St. Clair 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	\$ 795,032	\$ 821,244
L-3	Fire	993,801	1,026,510
LT-4(65)	Fire	1,038,690	1,073,515
LT-5(65)	Fire	1,176,525	1,215,728
L-7	Fire	1,192,569	1,231,826
LT-8(65)	Fire	1,314,391	1,357,950
L-12	Fire	1,391,249	1,437,191
LT-14(65)	Fire	1,452,157	1,500,234
L-6	Fire	1,590,042	1,642,450

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							
Sample Ages	Years of Service	General/Public Safety Members				Police		Fire	
		Men		Women		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 Ages	General Members		Retirement Ages	Police/ Public Safety	Fire
	Men	Women			
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 Ages	General Members		Retirement Ages	Police/ Public Safety	Fire
	Men	Women			
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 Ages	General Members		Police/ Public Safety	Fire
	Men	Women		
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, 2023

(Section references are to RSMo)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Member Contributions. Sections 70.690 & 70.705. Each member contributes a percent of compensation beginning after completion of sufficient employment for 6 months of credited service. The law governing LAGERS has a provision for the adoption of a 2%, 4% or 6% member contribution rate.

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

The law governing LAGERS also has a provision for the adoption of a 0% plan in which the full cost of LAGERS participation is paid by the employer. Adoption of the 0% plan may be done at the time of membership or a later date; however, a change in the member contribution rate may not be made more frequently than every 2 years. Under the 0% plan there is no individual account maintained for each employee and no refund of contributions if an employee terminates before being eligible for a benefit.

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

APPENDIX IV

BENEFIT ILLUSTRATIONS

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 525	\$ 1,003	\$1,528	102%
2,000	700	1,145	1,845	92%
2,500	875	1,285	2,160	86%
3,000	1,050	1,426	2,476	83%
3,500	1,225	1,567	2,792	80%
4,000	1,400	1,707	3,107	78%
25 Years of Service:				
\$1,500	\$ 375	\$ 1,003	\$1,378	92%
2,000	500	1,145	1,645	82%
2,500	625	1,285	1,910	76%
3,000	750	1,426	2,176	73%
3,500	875	1,567	2,442	70%
4,000	1,000	1,707	2,707	68%
15 Years of Service:				
\$1,500	\$225	\$ 1,003	\$1,228	82%
2,000	300	1,145	1,445	72%
2,500	375	1,285	1,660	66%
3,000	450	1,426	1,876	63%
3,500	525	1,567	2,092	60%
4,000	600	1,707	2,307	58%

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 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

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

Missouri LAGERS

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 656	\$ 1,003	\$1,659	111%
2,000	875	1,145	2,020	101%
2,500	1,094	1,285	2,379	95%
3,000	1,313	1,426	2,739	91%
3,500	1,531	1,567	3,098	89%
4,000	1,750	1,707	3,457	86%
25 Years of Service:				
\$1,500	\$ 469	\$ 1,003	\$1,472	98%
2,000	625	1,145	1,770	89%
2,500	781	1,285	2,066	83%
3,000	938	1,426	2,364	79%
3,500	1,094	1,567	2,661	76%
4,000	1,250	1,707	2,957	74%
15 Years of Service:				
\$1,500	\$281	\$ 1,003	\$1,284	86%
2,000	375	1,145	1,520	76%
2,500	469	1,285	1,754	70%
3,000	563	1,426	1,989	66%
3,500	656	1,567	2,223	64%
4,000	750	1,707	2,457	61%

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 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

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

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 788	\$ 1,003	\$1,791	119%
2,000	1,050	1,145	2,195	110%
2,500	1,313	1,285	2,598	104%
3,000	1,575	1,426	3,001	100%
3,500	1,838	1,567	3,405	97%
4,000	2,100	1,707	3,807	95%
25 Years of Service:				
\$1,500	\$ 563	\$ 1,003	\$1,566	104%
2,000	750	1,145	1,895	95%
2,500	938	1,285	2,223	89%
3,000	1,125	1,426	2,551	85%
3,500	1,313	1,567	2,880	82%
4,000	1,500	1,707	3,207	80%
15 Years of Service:				
\$1,500	\$338	\$ 1,003	\$1,341	89%
2,000	450	1,145	1,595	80%
2,500	563	1,285	1,848	74%
3,000	675	1,426	2,101	70%
3,500	788	1,567	2,355	67%
4,000	900	1,707	2,607	65%

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 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

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

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 919	\$ 1,003	\$1,922	128%
2,000	1,225	1,145	2,370	119%
2,500	1,531	1,285	2,816	113%
3,000	1,838	1,426	3,264	109%
3,500	2,144	1,567	3,711	106%
4,000	2,450	1,707	4,157	104%
25 Years of Service:				
\$1,500	\$ 656	\$ 1,003	\$1,659	111%
2,000	875	1,145	2,020	101%
2,500	1,094	1,285	2,379	95%
3,000	1,313	1,426	2,739	91%
3,500	1,531	1,567	3,098	89%
4,000	1,750	1,707	3,457	86%
15 Years of Service:				
\$1,500	\$ 394	\$ 1,003	\$1,397	93%
2,000	525	1,145	1,670	84%
2,500	656	1,285	1,941	78%
3,000	788	1,426	2,214	74%
3,500	919	1,567	2,486	71%
4,000	1,050	1,707	2,757	69%

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 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

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

Missouri LAGERS

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$1,050	\$ 1,003	\$2,053	137%
2,000	1,400	1,145	2,545	127%
2,500	1,750	1,285	3,035	121%
3,000	2,100	1,426	3,526	118%
3,500	2,450	1,567	4,017	115%
4,000	2,800	1,707	4,507	113%
25 Years of Service:				
\$1,500	\$ 750	\$ 1,003	\$1,753	117%
2,000	1,000	1,145	2,145	107%
2,500	1,250	1,285	2,535	101%
3,000	1,500	1,426	2,926	98%
3,500	1,750	1,567	3,317	95%
4,000	2,000	1,707	3,707	93%
15 Years of Service:				
\$1,500	\$ 450	\$ 1,003	\$1,453	97%
2,000	600	1,145	1,745	87%
2,500	750	1,285	2,035	81%
3,000	900	1,426	2,326	78%
3,500	1,050	1,567	2,617	75%
4,000	1,200	1,707	2,907	73%

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 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

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

Missouri LAGERS

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 525	\$ 1,003	\$1,050	\$1,528	70%	102%
2,000	1,400	700	1,145	1,400	1,845	70%	92%
2,500	1,750	875	1,285	1,750	2,160	70%	86%
3,000	2,100	1,050	1,426	2,100	2,476	70%	83%
3,500	2,450	1,225	1,567	2,450	2,792	70%	80%
4,000	2,800	1,400	1,707	2,800	3,107	70%	78%
25 Years of Service:							
\$1,500	\$ 750	\$ 375	\$ 1,003	\$ 750	\$1,378	50%	92%
2,000	1,000	500	1,145	1,000	1,645	50%	82%
2,500	1,250	625	1,285	1,250	1,910	50%	76%
3,000	1,500	750	1,426	1,500	2,176	50%	73%
3,500	1,750	875	1,567	1,750	2,442	50%	70%
4,000	2,000	1,000	1,707	2,000	2,707	50%	68%
15 Years of Service:							
\$1,500	\$ 450	\$225	\$ 1,003	\$ 450	\$1,228	30%	82%
2,000	600	300	1,145	600	1,445	30%	72%
2,500	750	375	1,285	750	1,660	30%	66%
3,000	900	450	1,426	900	1,876	30%	63%
3,500	1,050	525	1,567	1,050	2,092	30%	60%
4,000	1,200	600	1,707	1,200	2,307	30%	58%

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 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

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

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 656	\$ 1,003	\$1,050	\$1,659	70%	111%
2,000	1,400	875	1,145	1,400	2,020	70%	101%
2,500	1,750	1,094	1,285	1,750	2,379	70%	95%
3,000	2,100	1,313	1,426	2,100	2,739	70%	91%
3,500	2,450	1,531	1,567	2,450	3,098	70%	89%
4,000	2,800	1,750	1,707	2,800	3,457	70%	86%
25 Years of Service:							
\$1,500	\$ 750	\$ 469	\$ 1,003	\$ 750	\$1,472	50%	98%
2,000	1,000	625	1,145	1,000	1,770	50%	89%
2,500	1,250	781	1,285	1,250	2,066	50%	83%
3,000	1,500	938	1,426	1,500	2,364	50%	79%
3,500	1,750	1,094	1,567	1,750	2,661	50%	76%
4,000	2,000	1,250	1,707	2,000	2,957	50%	74%
15 Years of Service:							
\$1,500	\$ 450	\$281	\$ 1,003	\$ 450	\$1,284	30%	86%
2,000	600	375	1,145	600	1,520	30%	76%
2,500	750	469	1,285	750	1,754	30%	70%
3,000	900	563	1,426	900	1,989	30%	66%
3,500	1,050	656	1,567	1,050	2,223	30%	64%
4,000	1,200	750	1,707	1,200	2,457	30%	61%

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 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

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

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 788	\$ 1,003	\$1,050	\$1,791	70%	119%
2,000	1,400	1,050	1,145	1,400	2,195	70%	110%
2,500	1,750	1,313	1,285	1,750	2,598	70%	104%
3,000	2,100	1,575	1,426	2,100	3,001	70%	100%
3,500	2,450	1,838	1,567	2,450	3,405	70%	97%
4,000	2,800	2,100	1,707	2,800	3,807	70%	95%
25 Years of Service:							
\$1,500	\$ 750	\$ 563	\$ 1,003	\$ 750	\$1,566	50%	104%
2,000	1,000	750	1,145	1,000	1,895	50%	95%
2,500	1,250	938	1,285	1,250	2,223	50%	89%
3,000	1,500	1,125	1,426	1,500	2,551	50%	85%
3,500	1,750	1,313	1,567	1,750	2,880	50%	82%
4,000	2,000	1,500	1,707	2,000	3,207	50%	80%
15 Years of Service:							
\$1,500	\$ 450	\$338	\$ 1,003	\$ 450	\$1,341	30%	89%
2,000	600	450	1,145	600	1,595	30%	80%
2,500	750	563	1,285	750	1,848	30%	74%
3,000	900	675	1,426	900	2,101	30%	70%
3,500	1,050	788	1,567	1,050	2,355	30%	67%
4,000	1,200	900	1,707	1,200	2,607	30%	65%

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 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

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

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 919	\$ 1,003	\$1,050	\$1,922	70%	128%
2,000	1,400	1,225	1,145	1,400	2,370	70%	119%
2,500	1,750	1,531	1,285	1,750	2,816	70%	113%
3,000	2,100	1,838	1,426	2,100	3,264	70%	109%
3,500	2,450	2,144	1,567	2,450	3,711	70%	106%
4,000	2,800	2,450	1,707	2,800	4,157	70%	104%
25 Years of Service:							
\$1,500	\$ 750	\$ 656	\$ 1,003	\$ 750	\$1,659	50%	111%
2,000	1,000	875	1,145	1,000	2,020	50%	101%
2,500	1,250	1,094	1,285	1,250	2,379	50%	95%
3,000	1,500	1,313	1,426	1,500	2,739	50%	91%
3,500	1,750	1,531	1,567	1,750	3,098	50%	89%
4,000	2,000	1,750	1,707	2,000	3,457	50%	86%
15 Years of Service:							
\$1,500	\$ 450	\$ 394	\$ 1,003	\$ 450	\$1,397	30%	93%
2,000	600	525	1,145	600	1,670	30%	84%
2,500	750	656	1,285	750	1,941	30%	78%
3,000	900	788	1,426	900	2,214	30%	74%
3,500	1,050	919	1,567	1,050	2,486	30%	71%
4,000	1,200	1,050	1,707	1,200	2,757	30%	69%

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 2023 - 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

St. Clair Fire Protection District - Fire

December 31, 2023

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	3							3	\$ 131,978
25-29	2							2	\$ 90,386
30-34	1		1					2	\$ 90,386
35-39	1		1					2	\$ 95,202
40-44	1	1	1	2				5	\$ 240,604
45-49		1	2					3	\$ 146,168
50-54		1						1	\$ 50,968
55-59									
60-64									
65-69			1					1	\$ 75,125
70 & Over									
Totals	8	3	6	2				19	\$ 920,817

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

Age: 38.4 years.

Benefit Service: 7.8 years.

Annual Pay: \$48,464.

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.



February 16, 2024 E-mail

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

Dear Mr. Betts:

Enclosed is the report of the December 31, 2023 Initial Actuarial Valuation of LAGERS benefits for the employees of

St. Clair Fire Protection District

Sincerely,

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

Mita D. Drazilov, ASA, FCA, MAAA

MDD:wp



February 16, 2024

St. Clair Fire Protection District
St. Clair, 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 December 31, 2023 Initial Valuation for the St. Clair Fire Protection District dated February 16, 2024.

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, 2023. 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

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

Mita D. Drazilov, ASA, FCA, MAAA

St. Clair 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		
Valuation Year	Estimated Projected Payroll	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	
2023	\$ 920,817	13.6%	\$125,231	\$ 757,009	16.8%	\$154,697	\$ 946,181	16.8%	\$154,697	\$ 945,670
2024	946,139	13.6	128,675	764,271	16.8	158,951	955,257	16.8	158,951	954,741
2025	972,158	13.6	132,213	770,783	16.8	163,323	963,397	16.8	163,323	962,877
2026	998,892	13.6	135,849	776,459	16.8	167,814	970,492	16.8	167,814	969,968
2027	1,026,362	13.6	139,585	781,205	16.8	172,429	976,424	16.8	172,429	975,897
2028	1,054,587	13.6	143,424	784,919	16.8	177,171	981,066	16.8	177,171	980,537
2029	1,083,588	13.6	147,368	787,491	16.8	182,043	984,281	16.8	182,043	983,750
2030	1,113,387	13.6	151,421	788,803	16.8	187,049	985,921	16.8	187,049	985,389
2031	1,144,005	13.6	155,585	788,727	16.8	192,193	985,826	16.8	192,193	985,294
2032	1,175,465	13.6	159,863	787,125	16.8	197,478	983,824	16.8	197,478	983,293

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
Valuation Year	Estimated Projected Payroll	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	
2023	\$ 920,817	19.1%	\$175,876	\$ 1,087,763	19.9%	\$183,243	\$ 1,135,428	21.5%	\$197,976	\$ 1,229,812
2024	946,139	19.1	180,713	1,098,198	19.9	188,282	1,146,320	21.5	203,420	1,241,609
2025	972,158	19.1	185,682	1,107,556	19.9	193,459	1,156,088	21.5	209,014	1,252,189
2026	998,892	19.1	190,788	1,115,712	19.9	198,780	1,164,602	21.5	214,762	1,261,410
2027	1,026,362	19.1	196,035	1,122,531	19.9	204,246	1,171,720	21.5	220,668	1,269,120
2028	1,054,587	19.1	201,426	1,127,868	19.9	209,863	1,177,291	21.5	226,736	1,275,154
2029	1,083,588	19.1	206,965	1,131,564	19.9	215,634	1,181,149	21.5	232,971	1,279,333
2030	1,113,387	19.1	212,657	1,133,449	19.9	221,564	1,183,117	21.5	239,378	1,281,465
2031	1,144,005	19.1	218,505	1,133,340	19.9	227,657	1,183,003	21.5	245,961	1,281,342
2032	1,175,465	19.1	224,514	1,131,038	19.9	233,918	1,180,601	21.5	252,725	1,278,740

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
Valuation Year	Estimated Projected Payroll	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	
2023	\$ 920,817	23.0%	\$211,788	\$ 1,324,667	23.8%	\$219,154	\$ 1,371,846	26.2%	\$241,254	\$ 1,513,886
2024	946,139	23.0	217,612	1,337,374	23.8	225,181	1,385,006	26.2	247,888	1,528,408
2025	972,158	23.0	223,596	1,348,770	23.8	231,374	1,396,808	26.2	254,705	1,541,432
2026	998,892	23.0	229,745	1,358,703	23.8	237,736	1,407,094	26.2	261,710	1,552,783
2027	1,026,362	23.0	236,063	1,367,008	23.8	244,274	1,415,694	26.2	268,907	1,562,274
2028	1,054,587	23.0	242,555	1,373,507	23.8	250,992	1,422,424	26.2	276,302	1,569,701
2029	1,083,588	23.0	249,225	1,378,008	23.8	257,894	1,427,085	26.2	283,900	1,574,845
2030	1,113,387	23.0	256,079	1,380,304	23.8	264,986	1,429,463	26.2	291,707	1,577,469
2031	1,144,005	23.0	263,121	1,380,171	23.8	272,273	1,429,325	26.2	299,729	1,577,317
2032	1,175,465	23.0	270,357	1,377,368	23.8	279,761	1,426,422	26.2	307,972	1,574,114

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.



St. Clair Fire Protection District - Fire

Employer Contribution Rates (2% Member Contribution Rate, 5 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	
2023	\$ 920,817	11.7%	\$107,736	\$ 757,009	14.9%	\$137,202	\$ 946,181	14.9%	\$137,202	\$ 945,670
2024	946,139	11.7	110,698	764,271	14.9	140,975	955,257	14.9	140,975	954,741
2025	972,158	11.7	113,742	770,783	14.9	144,852	963,397	14.9	144,852	962,877
2026	998,892	11.7	116,870	776,459	14.9	148,835	970,492	14.9	148,835	969,968
2027	1,026,362	11.7	120,084	781,205	14.9	152,928	976,424	14.9	152,928	975,897
2028	1,054,587	11.7	123,387	784,919	14.9	157,133	981,066	14.9	157,133	980,537
2029	1,083,588	11.7	126,780	787,491	14.9	161,455	984,281	14.9	161,455	983,750
2030	1,113,387	11.7	130,266	788,803	14.9	165,895	985,921	14.9	165,895	985,389
2031	1,144,005	11.7	133,849	788,727	14.9	170,457	985,826	14.9	170,457	985,294
2032	1,175,465	11.7	137,529	787,125	14.9	175,144	983,824	14.9	175,144	983,293

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	
2023	\$ 920,817	17.2%	\$158,381	\$ 1,087,763	18.0%	\$165,747	\$ 1,135,428	19.6%	\$180,480	\$ 1,229,812
2024	946,139	17.2	162,736	1,098,198	18.0	170,305	1,146,320	19.6	185,443	1,241,609
2025	972,158	17.2	167,211	1,107,556	18.0	174,988	1,156,088	19.6	190,543	1,252,189
2026	998,892	17.2	171,809	1,115,712	18.0	179,801	1,164,602	19.6	195,783	1,261,410
2027	1,026,362	17.2	176,534	1,122,531	18.0	184,745	1,171,720	19.6	201,167	1,269,120
2028	1,054,587	17.2	181,389	1,127,868	18.0	189,826	1,177,291	19.6	206,699	1,275,154
2029	1,083,588	17.2	186,377	1,131,564	18.0	195,046	1,181,149	19.6	212,383	1,279,333
2030	1,113,387	17.2	191,503	1,133,449	18.0	200,410	1,183,117	19.6	218,224	1,281,465
2031	1,144,005	17.2	196,769	1,133,340	18.0	205,921	1,183,003	19.6	224,225	1,281,342
2032	1,175,465	17.2	202,180	1,131,038	18.0	211,584	1,180,601	19.6	230,391	1,278,740

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	
2023	\$ 920,817	21.1%	\$194,292	\$ 1,324,667	21.9%	\$201,659	\$ 1,371,846	24.3%	\$223,759	\$ 1,513,886
2024	946,139	21.1	199,635	1,337,374	21.9	207,204	1,385,006	24.3	229,912	1,528,408
2025	972,158	21.1	205,125	1,348,770	21.9	212,903	1,396,808	24.3	236,234	1,541,432
2026	998,892	21.1	210,766	1,358,703	21.9	218,757	1,407,094	24.3	242,731	1,552,783
2027	1,026,362	21.1	216,562	1,367,008	21.9	224,773	1,415,694	24.3	249,406	1,562,274
2028	1,054,587	21.1	222,518	1,373,507	21.9	230,955	1,422,424	24.3	256,265	1,569,701
2029	1,083,588	21.1	228,637	1,378,008	21.9	237,306	1,427,085	24.3	263,312	1,574,845
2030	1,113,387	21.1	234,925	1,380,304	21.9	243,832	1,429,463	24.3	270,553	1,577,469
2031	1,144,005	21.1	241,385	1,380,171	21.9	250,537	1,429,325	24.3	277,993	1,577,317
2032	1,175,465	21.1	248,023	1,377,368	21.9	257,427	1,426,422	24.3	285,638	1,574,114

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.



St. Clair Fire Protection District - Fire

Employer Contribution Rates (4% Member Contribution Rate, 5 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	
2023	\$ 920,817	9.8%	\$90,240	\$ 757,009	13.0%	\$119,706	\$ 946,181	13.0%	\$119,706	\$ 945,670
2024	946,139	9.8	92,722	764,271	13.0	122,998	955,257	13.0	122,998	954,741
2025	972,158	9.8	95,271	770,783	13.0	126,381	963,397	13.0	126,381	962,877
2026	998,892	9.8	97,891	776,459	13.0	129,856	970,492	13.0	129,856	969,968
2027	1,026,362	9.8	100,583	781,205	13.0	133,427	976,424	13.0	133,427	975,897
2028	1,054,587	9.8	103,350	784,919	13.0	137,096	981,066	13.0	137,096	980,537
2029	1,083,588	9.8	106,192	787,491	13.0	140,866	984,281	13.0	140,866	983,750
2030	1,113,387	9.8	109,112	788,803	13.0	144,740	985,921	13.0	144,740	985,389
2031	1,144,005	9.8	112,112	788,727	13.0	148,721	985,826	13.0	148,721	985,294
2032	1,175,465	9.8	115,196	787,125	13.0	152,810	983,824	13.0	152,810	983,293

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	
2023	\$ 920,817	15.3%	\$140,885	\$ 1,087,763	16.1%	\$148,252	\$ 1,135,428	17.7%	\$162,985	\$ 1,229,812
2024	946,139	15.3	144,759	1,098,198	16.1	152,328	1,146,320	17.7	167,467	1,241,609
2025	972,158	15.3	148,740	1,107,556	16.1	156,517	1,156,088	17.7	172,072	1,252,189
2026	998,892	15.3	152,830	1,115,712	16.1	160,822	1,164,602	17.7	176,804	1,261,410
2027	1,026,362	15.3	157,033	1,122,531	16.1	165,244	1,171,720	17.7	181,666	1,269,120
2028	1,054,587	15.3	161,352	1,127,868	16.1	169,789	1,177,291	17.7	186,662	1,275,154
2029	1,083,588	15.3	165,789	1,131,564	16.1	174,458	1,181,149	17.7	191,795	1,279,333
2030	1,113,387	15.3	170,348	1,133,449	16.1	179,255	1,183,117	17.7	197,069	1,281,465
2031	1,144,005	15.3	175,033	1,133,340	16.1	184,185	1,183,003	17.7	202,489	1,281,342
2032	1,175,465	15.3	179,846	1,131,038	16.1	189,250	1,180,601	17.7	208,057	1,278,740

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	
2023	\$ 920,817	19.2%	\$176,797	\$ 1,324,667	20.0%	\$184,163	\$ 1,371,846	22.4%	\$206,263	\$ 1,513,886
2024	946,139	19.2	181,659	1,337,374	20.0	189,228	1,385,006	22.4	211,935	1,528,408
2025	972,158	19.2	186,654	1,348,770	20.0	194,432	1,396,808	22.4	217,763	1,541,432
2026	998,892	19.2	191,787	1,358,703	20.0	199,778	1,407,094	22.4	223,752	1,552,783
2027	1,026,362	19.2	197,062	1,367,008	20.0	205,272	1,415,694	22.4	229,905	1,562,274
2028	1,054,587	19.2	202,481	1,373,507	20.0	210,917	1,422,424	22.4	236,227	1,569,701
2029	1,083,588	19.2	208,049	1,378,008	20.0	216,718	1,427,085	22.4	242,724	1,574,845
2030	1,113,387	19.2	213,770	1,380,304	20.0	222,677	1,429,463	22.4	249,399	1,577,469
2031	1,144,005	19.2	219,649	1,380,171	20.0	228,801	1,429,325	22.4	256,257	1,577,317
2032	1,175,465	19.2	225,689	1,377,368	20.0	235,093	1,426,422	22.4	263,304	1,574,114

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.



St. Clair Fire Protection District - Fire

Employer Contribution Rates (6% Member Contribution Rate, 5 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	
2023	\$ 920,817	7.9%	\$72,745	\$ 757,009	11.1%	\$102,211	\$ 946,181	11.1%	\$102,211	\$ 945,670
2024	946,139	7.9	74,745	764,271	11.1	105,021	955,257	11.1	105,021	954,741
2025	972,158	7.9	76,800	770,783	11.1	107,910	963,397	11.1	107,910	962,877
2026	998,892	7.9	78,912	776,459	11.1	110,877	970,492	11.1	110,877	969,968
2027	1,026,362	7.9	81,083	781,205	11.1	113,926	976,424	11.1	113,926	975,897
2028	1,054,587	7.9	83,312	784,919	11.1	117,059	981,066	11.1	117,059	980,537
2029	1,083,588	7.9	85,603	787,491	11.1	120,278	984,281	11.1	120,278	983,750
2030	1,113,387	7.9	87,958	788,803	11.1	123,586	985,921	11.1	123,586	985,389
2031	1,144,005	7.9	90,376	788,727	11.1	126,985	985,826	11.1	126,985	985,294
2032	1,175,465	7.9	92,862	787,125	11.1	130,477	983,824	11.1	130,477	983,293

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	
2023	\$ 920,817	13.4%	\$123,389	\$ 1,087,763	14.2%	\$130,756	\$ 1,135,428	15.8%	\$145,489	\$ 1,229,812
2024	946,139	13.4	126,783	1,098,198	14.2	134,352	1,146,320	15.8	149,490	1,241,609
2025	972,158	13.4	130,269	1,107,556	14.2	138,046	1,156,088	15.8	153,601	1,252,189
2026	998,892	13.4	133,852	1,115,712	14.2	141,843	1,164,602	15.8	157,825	1,261,410
2027	1,026,362	13.4	137,533	1,122,531	14.2	145,743	1,171,720	15.8	162,165	1,269,120
2028	1,054,587	13.4	141,315	1,127,868	14.2	149,751	1,177,291	15.8	166,625	1,275,154
2029	1,083,588	13.4	145,201	1,131,564	14.2	153,869	1,181,149	15.8	171,207	1,279,333
2030	1,113,387	13.4	149,194	1,133,449	14.2	158,101	1,183,117	15.8	175,915	1,281,465
2031	1,144,005	13.4	153,297	1,133,340	14.2	162,449	1,183,003	15.8	180,753	1,281,342
2032	1,175,465	13.4	157,512	1,131,038	14.2	166,916	1,180,601	15.8	185,723	1,278,740

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	
2023	\$ 920,817	17.3%	\$159,301	\$ 1,324,667	18.1%	\$166,668	\$ 1,371,846	20.5%	\$188,767	\$ 1,513,886
2024	946,139	17.3	163,682	1,337,374	18.1	171,251	1,385,006	20.5	193,958	1,528,408
2025	972,158	17.3	168,183	1,348,770	18.1	175,961	1,396,808	20.5	199,292	1,541,432
2026	998,892	17.3	172,808	1,358,703	18.1	180,799	1,407,094	20.5	204,773	1,552,783
2027	1,026,362	17.3	177,561	1,367,008	18.1	185,772	1,415,694	20.5	210,404	1,562,274
2028	1,054,587	17.3	182,444	1,373,507	18.1	190,880	1,422,424	20.5	216,190	1,569,701
2029	1,083,588	17.3	187,461	1,378,008	18.1	196,129	1,427,085	20.5	222,136	1,574,845
2030	1,113,387	17.3	192,616	1,380,304	18.1	201,523	1,429,463	20.5	228,244	1,577,469
2031	1,144,005	17.3	197,913	1,380,171	18.1	207,065	1,429,325	20.5	234,521	1,577,317
2032	1,175,465	17.3	203,355	1,377,368	18.1	212,759	1,426,422	20.5	240,970	1,574,114

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.



St. Clair Fire Protection District - Fire

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

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	
2023	\$ 920,817	14.1%	\$129,835	\$ 781,074	17.3%	\$159,301	\$ 976,328	17.3%	\$159,301	\$ 976,365
2024	946,139	14.1	133,406	788,567	17.3	163,682	985,694	17.3	163,682	985,731
2025	972,158	14.1	137,074	795,287	17.3	168,183	994,093	17.3	168,183	994,131
2026	998,892	14.1	140,844	801,144	17.3	172,808	1,001,414	17.3	172,808	1,001,452
2027	1,026,362	14.1	144,717	806,041	17.3	177,561	1,007,535	17.3	177,561	1,007,573
2028	1,054,587	14.1	148,697	809,873	17.3	182,444	1,012,325	17.3	182,444	1,012,363
2029	1,083,588	14.1	152,786	812,527	17.3	187,461	1,015,642	17.3	187,461	1,015,681
2030	1,113,387	14.1	156,988	813,881	17.3	192,616	1,017,334	17.3	192,616	1,017,373
2031	1,144,005	14.1	161,305	813,803	17.3	197,913	1,017,236	17.3	197,913	1,017,275
2032	1,175,465	14.1	165,741	812,150	17.3	203,355	1,015,170	17.3	203,355	1,015,209

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	
2023	\$ 920,817	19.7%	\$181,401	\$ 1,122,737	20.5%	\$188,767	\$ 1,171,535	22.1%	\$203,501	\$ 1,269,164
2024	946,139	19.7	186,389	1,133,507	20.5	193,958	1,182,773	22.1	209,097	1,281,339
2025	972,158	19.7	191,515	1,143,166	20.5	199,292	1,192,852	22.1	214,847	1,292,258
2026	998,892	19.7	196,782	1,151,585	20.5	204,773	1,201,636	22.1	220,755	1,301,774
2027	1,026,362	19.7	202,193	1,158,624	20.5	210,404	1,208,981	22.1	226,826	1,309,731
2028	1,054,587	19.7	207,754	1,164,132	20.5	216,190	1,214,729	22.1	233,064	1,315,958
2029	1,083,588	19.7	213,467	1,167,947	20.5	222,136	1,218,710	22.1	239,473	1,320,270
2030	1,113,387	19.7	219,337	1,169,893	20.5	228,244	1,220,741	22.1	246,059	1,322,470
2031	1,144,005	19.7	225,369	1,169,780	20.5	234,521	1,220,624	22.1	252,825	1,322,343
2032	1,175,465	19.7	231,567	1,167,404	20.5	240,970	1,218,145	22.1	259,778	1,319,658

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	
2023	\$ 920,817	23.8%	\$219,154	\$ 1,366,874	24.6%	\$226,521	\$ 1,415,692	27.0%	\$248,621	\$ 1,562,120
2024	946,139	23.8	225,181	1,379,986	24.6	232,750	1,429,272	27.0	255,458	1,577,105
2025	972,158	23.8	231,374	1,391,745	24.6	239,151	1,441,451	27.0	262,483	1,590,544
2026	998,892	23.8	237,736	1,401,994	24.6	245,727	1,452,066	27.0	269,701	1,602,257
2027	1,026,362	23.8	244,274	1,410,563	24.6	252,485	1,460,941	27.0	277,118	1,612,050
2028	1,054,587	23.8	250,992	1,417,269	24.6	259,428	1,467,887	27.0	284,738	1,619,714
2029	1,083,588	23.8	257,894	1,421,914	24.6	266,563	1,472,697	27.0	292,569	1,625,022
2030	1,113,387	23.8	264,986	1,424,283	24.6	273,893	1,475,151	27.0	300,614	1,627,730
2031	1,144,005	23.8	272,273	1,424,146	24.6	281,425	1,475,009	27.0	308,881	1,627,573
2032	1,175,465	23.8	279,761	1,421,254	24.6	289,164	1,472,014	27.0	317,376	1,624,268

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.



St. Clair 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	
2023	\$ 920,817	12.2%	\$112,340	\$ 781,074	15.4%	\$141,806	\$ 976,328	15.4%	\$141,806	\$ 976,365
2024	946,139	12.2	115,429	788,567	15.4	145,705	985,694	15.4	145,705	985,731
2025	972,158	12.2	118,603	795,287	15.4	149,712	994,093	15.4	149,712	994,131
2026	998,892	12.2	121,865	801,144	15.4	153,829	1,001,414	15.4	153,829	1,001,452
2027	1,026,362	12.2	125,216	806,041	15.4	158,060	1,007,535	15.4	158,060	1,007,573
2028	1,054,587	12.2	128,660	809,873	15.4	162,406	1,012,325	15.4	162,406	1,012,363
2029	1,083,588	12.2	132,198	812,527	15.4	166,873	1,015,642	15.4	166,873	1,015,681
2030	1,113,387	12.2	135,833	813,881	15.4	171,462	1,017,334	15.4	171,462	1,017,373
2031	1,144,005	12.2	139,569	813,803	15.4	176,177	1,017,236	15.4	176,177	1,017,275
2032	1,175,465	12.2	143,407	812,150	15.4	181,022	1,015,170	15.4	181,022	1,015,209

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	
2023	\$ 920,817	17.8%	\$163,905	\$ 1,122,737	18.6%	\$171,272	\$ 1,171,535	20.2%	\$186,005	\$ 1,269,164
2024	946,139	17.8	168,413	1,133,507	18.6	175,982	1,182,773	20.2	191,120	1,281,339
2025	972,158	17.8	173,044	1,143,166	18.6	180,821	1,192,852	20.2	196,376	1,292,258
2026	998,892	17.8	177,803	1,151,585	18.6	185,794	1,201,636	20.2	201,776	1,301,774
2027	1,026,362	17.8	182,692	1,158,624	18.6	190,903	1,208,981	20.2	207,325	1,309,731
2028	1,054,587	17.8	187,716	1,164,132	18.6	196,153	1,214,729	20.2	213,027	1,315,958
2029	1,083,588	17.8	192,879	1,167,947	18.6	201,547	1,218,710	20.2	218,885	1,320,270
2030	1,113,387	17.8	198,183	1,169,893	18.6	207,090	1,220,741	20.2	224,904	1,322,470
2031	1,144,005	17.8	203,633	1,169,780	18.6	212,785	1,220,624	20.2	231,089	1,322,343
2032	1,175,465	17.8	209,233	1,167,404	18.6	218,636	1,218,145	20.2	237,444	1,319,658

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	
2023	\$ 920,817	21.9%	\$201,659	\$ 1,366,874	22.7%	\$209,025	\$ 1,415,692	25.1%	\$231,125	\$ 1,562,120
2024	946,139	21.9	207,204	1,379,986	22.7	214,774	1,429,272	25.1	237,481	1,577,105
2025	972,158	21.9	212,903	1,391,745	22.7	220,680	1,441,451	25.1	244,012	1,590,544
2026	998,892	21.9	218,757	1,401,994	22.7	226,748	1,452,066	25.1	250,722	1,602,257
2027	1,026,362	21.9	224,773	1,410,563	22.7	232,984	1,460,941	25.1	257,617	1,612,050
2028	1,054,587	21.9	230,955	1,417,269	22.7	239,391	1,467,887	25.1	264,701	1,619,714
2029	1,083,588	21.9	237,306	1,421,914	22.7	245,974	1,472,697	25.1	271,981	1,625,022
2030	1,113,387	21.9	243,832	1,424,283	22.7	252,739	1,475,151	25.1	279,460	1,627,730
2031	1,144,005	21.9	250,537	1,424,146	22.7	259,689	1,475,009	25.1	287,145	1,627,573
2032	1,175,465	21.9	257,427	1,421,254	22.7	266,831	1,472,014	25.1	295,042	1,624,268

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.



St. Clair Fire Protection District - Fire

Employer Contribution Rates (4% 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	
2023	\$ 920,817	10.3%	\$94,844	\$ 781,074	13.5%	\$124,310	\$ 976,328	13.5%	\$124,310	\$ 976,365
2024	946,139	10.3	97,452	788,567	13.5	127,729	985,694	13.5	127,729	985,731
2025	972,158	10.3	100,132	795,287	13.5	131,241	994,093	13.5	131,241	994,131
2026	998,892	10.3	102,886	801,144	13.5	134,850	1,001,414	13.5	134,850	1,001,452
2027	1,026,362	10.3	105,715	806,041	13.5	138,559	1,007,535	13.5	138,559	1,007,573
2028	1,054,587	10.3	108,622	809,873	13.5	142,369	1,012,325	13.5	142,369	1,012,363
2029	1,083,588	10.3	111,610	812,527	13.5	146,284	1,015,642	13.5	146,284	1,015,681
2030	1,113,387	10.3	114,679	813,881	13.5	150,307	1,017,334	13.5	150,307	1,017,373
2031	1,144,005	10.3	117,833	813,803	13.5	154,441	1,017,236	13.5	154,441	1,017,275
2032	1,175,465	10.3	121,073	812,150	13.5	158,688	1,015,170	13.5	158,688	1,015,209

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	
2023	\$ 920,817	15.9%	\$146,410	\$ 1,122,737	16.7%	\$153,776	\$ 1,171,535	18.3%	\$168,510	\$ 1,269,164
2024	946,139	15.9	150,436	1,133,507	16.7	158,005	1,182,773	18.3	173,143	1,281,339
2025	972,158	15.9	154,573	1,143,166	16.7	162,350	1,192,852	18.3	177,905	1,292,258
2026	998,892	15.9	158,824	1,151,585	16.7	166,815	1,201,636	18.3	182,797	1,301,774
2027	1,026,362	15.9	163,192	1,158,624	16.7	171,402	1,208,981	18.3	187,824	1,309,731
2028	1,054,587	15.9	167,679	1,164,132	16.7	176,116	1,214,729	18.3	192,989	1,315,958
2029	1,083,588	15.9	172,290	1,167,947	16.7	180,959	1,218,710	18.3	198,297	1,320,270
2030	1,113,387	15.9	177,029	1,169,893	16.7	185,936	1,220,741	18.3	203,750	1,322,470
2031	1,144,005	15.9	181,897	1,169,780	16.7	191,049	1,220,624	18.3	209,353	1,322,343
2032	1,175,465	15.9	186,899	1,167,404	16.7	196,303	1,218,145	18.3	215,110	1,319,658

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	
2023	\$ 920,817	20.0%	\$184,163	\$ 1,366,874	20.8%	\$191,530	\$ 1,415,692	23.2%	\$213,630	\$ 1,562,120
2024	946,139	20.0	189,228	1,379,986	20.8	196,797	1,429,272	23.2	219,504	1,577,105
2025	972,158	20.0	194,432	1,391,745	20.8	202,209	1,441,451	23.2	225,541	1,590,544
2026	998,892	20.0	199,778	1,401,994	20.8	207,770	1,452,066	23.2	231,743	1,602,257
2027	1,026,362	20.0	205,272	1,410,563	20.8	213,483	1,460,941	23.2	238,116	1,612,050
2028	1,054,587	20.0	210,917	1,417,269	20.8	219,354	1,467,887	23.2	244,664	1,619,714
2029	1,083,588	20.0	216,718	1,421,914	20.8	225,386	1,472,697	23.2	251,392	1,625,022
2030	1,113,387	20.0	222,677	1,424,283	20.8	231,584	1,475,151	23.2	258,306	1,627,730
2031	1,144,005	20.0	228,801	1,424,146	20.8	237,953	1,475,009	23.2	265,409	1,627,573
2032	1,175,465	20.0	235,093	1,421,254	20.8	244,497	1,472,014	23.2	272,708	1,624,268

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.



St. Clair Fire Protection District - Fire

Employer Contribution Rates (6% 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	
2023	\$ 920,817	8.4%	\$77,349	\$ 781,074	11.6%	\$106,815	\$ 976,328	11.6%	\$106,815	\$ 976,365
2024	946,139	8.4	79,476	788,567	11.6	109,752	985,694	11.6	109,752	985,731
2025	972,158	8.4	81,661	795,287	11.6	112,770	994,093	11.6	112,770	994,131
2026	998,892	8.4	83,907	801,144	11.6	115,871	1,001,414	11.6	115,871	1,001,452
2027	1,026,362	8.4	86,214	806,041	11.6	119,058	1,007,535	11.6	119,058	1,007,573
2028	1,054,587	8.4	88,585	809,873	11.6	122,332	1,012,325	11.6	122,332	1,012,363
2029	1,083,588	8.4	91,021	812,527	11.6	125,696	1,015,642	11.6	125,696	1,015,681
2030	1,113,387	8.4	93,525	813,881	11.6	129,153	1,017,334	11.6	129,153	1,017,373
2031	1,144,005	8.4	96,096	813,803	11.6	132,705	1,017,236	11.6	132,705	1,017,275
2032	1,175,465	8.4	98,739	812,150	11.6	136,354	1,015,170	11.6	136,354	1,015,209

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	
2023	\$ 920,817	14.0%	\$128,914	\$ 1,122,737	14.8%	\$136,281	\$ 1,171,535	16.4%	\$151,014	\$ 1,269,164
2024	946,139	14.0	132,459	1,133,507	14.8	140,029	1,182,773	16.4	155,167	1,281,339
2025	972,158	14.0	136,102	1,143,166	14.8	143,879	1,192,852	16.4	159,434	1,292,258
2026	998,892	14.0	139,845	1,151,585	14.8	147,836	1,201,636	16.4	163,818	1,301,774
2027	1,026,362	14.0	143,691	1,158,624	14.8	151,902	1,208,981	16.4	168,323	1,309,731
2028	1,054,587	14.0	147,642	1,164,132	14.8	156,079	1,214,729	16.4	172,952	1,315,958
2029	1,083,588	14.0	151,702	1,167,947	14.8	160,371	1,218,710	16.4	177,708	1,320,270
2030	1,113,387	14.0	155,874	1,169,893	14.8	164,781	1,220,741	16.4	182,595	1,322,470
2031	1,144,005	14.0	160,161	1,169,780	14.8	169,313	1,220,624	16.4	187,617	1,322,343
2032	1,175,465	14.0	164,565	1,167,404	14.8	173,969	1,218,145	16.4	192,776	1,319,658

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	
2023	\$ 920,817	18.1%	\$166,668	\$ 1,366,874	18.9%	\$174,034	\$ 1,415,692	21.3%	\$196,134	\$ 1,562,120
2024	946,139	18.1	171,251	1,379,986	18.9	178,820	1,429,272	21.3	201,528	1,577,105
2025	972,158	18.1	175,961	1,391,745	18.9	183,738	1,441,451	21.3	207,070	1,590,544
2026	998,892	18.1	180,799	1,401,994	18.9	188,791	1,452,066	21.3	212,764	1,602,257
2027	1,026,362	18.1	185,772	1,410,563	18.9	193,982	1,460,941	21.3	218,615	1,612,050
2028	1,054,587	18.1	190,880	1,417,269	18.9	199,317	1,467,887	21.3	224,627	1,619,714
2029	1,083,588	18.1	196,129	1,421,914	18.9	204,798	1,472,697	21.3	230,804	1,625,022
2030	1,113,387	18.1	201,523	1,424,283	18.9	210,430	1,475,151	21.3	237,151	1,627,730
2031	1,144,005	18.1	207,065	1,424,146	18.9	216,217	1,475,009	21.3	243,673	1,627,573
2032	1,175,465	18.1	212,759	1,421,254	18.9	222,163	1,472,014	21.3	250,374	1,624,268

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.



St. Clair Fire Protection District - Fire

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

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	
2023	\$ 920,817	14.2%	\$130,756	\$ 795,032	17.5%	\$161,143	\$ 993,801	18.3%	\$168,510	\$ 1,038,690
2024	946,139	14.2	134,352	802,658	17.5	165,574	1,003,334	18.3	173,143	1,048,654
2025	972,158	14.2	138,046	809,498	17.5	170,128	1,011,884	18.3	177,905	1,057,590
2026	998,892	14.2	141,843	815,459	17.5	174,806	1,019,336	18.3	182,797	1,065,378
2027	1,026,362	14.2	145,743	820,443	17.5	179,613	1,025,566	18.3	187,824	1,071,890
2028	1,054,587	14.2	149,751	824,344	17.5	184,553	1,030,442	18.3	192,989	1,076,986
2029	1,083,588	14.2	153,869	827,045	17.5	189,628	1,033,819	18.3	198,297	1,080,515
2030	1,113,387	14.2	158,101	828,423	17.5	194,843	1,035,541	18.3	203,750	1,082,315
2031	1,144,005	14.2	162,449	828,343	17.5	200,201	1,035,441	18.3	209,353	1,082,211
2032	1,175,465	14.2	166,916	826,661	17.5	205,706	1,033,338	18.3	215,110	1,080,013

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	
2023	\$ 920,817	20.6%	\$189,688	\$ 1,176,525	20.9%	\$192,451	\$ 1,192,569	22.8%	\$209,946	\$ 1,314,391
2024	946,139	20.6	194,905	1,187,811	20.9	197,743	1,204,009	22.8	215,720	1,327,000
2025	972,158	20.6	200,265	1,197,933	20.9	203,181	1,214,269	22.8	221,652	1,338,308
2026	998,892	20.6	205,772	1,206,755	20.9	208,768	1,223,211	22.8	227,747	1,348,164
2027	1,026,362	20.6	211,431	1,214,131	20.9	214,510	1,230,688	22.8	234,011	1,356,404
2028	1,054,587	20.6	217,245	1,219,903	20.9	220,409	1,236,539	22.8	240,446	1,362,853
2029	1,083,588	20.6	223,219	1,223,901	20.9	226,470	1,240,591	22.8	247,058	1,367,319
2030	1,113,387	20.6	229,358	1,225,940	20.9	232,698	1,242,658	22.8	253,852	1,369,597
2031	1,144,005	20.6	235,665	1,225,822	20.9	239,097	1,242,538	22.8	260,833	1,369,465
2032	1,175,465	20.6	242,146	1,223,333	20.9	245,672	1,240,015	22.8	268,006	1,366,684

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	
2023	\$ 920,817	24.1%	\$221,917	\$ 1,391,249	25.1%	\$231,125	\$ 1,452,157	27.4%	\$252,304	\$ 1,590,042
2024	946,139	24.1	228,019	1,404,595	25.1	237,481	1,466,087	27.4	259,242	1,605,295
2025	972,158	24.1	234,290	1,416,564	25.1	244,012	1,478,580	27.4	266,371	1,618,974
2026	998,892	24.1	240,733	1,426,996	25.1	250,722	1,489,469	27.4	273,696	1,630,897
2027	1,026,362	24.1	247,353	1,435,718	25.1	257,617	1,498,573	27.4	281,223	1,640,865
2028	1,054,587	24.1	254,155	1,442,544	25.1	264,701	1,505,697	27.4	288,957	1,648,666
2029	1,083,588	24.1	261,145	1,447,271	25.1	271,981	1,510,631	27.4	296,903	1,654,069
2030	1,113,387	24.1	268,326	1,449,682	25.1	279,460	1,513,148	27.4	305,068	1,656,825
2031	1,144,005	24.1	275,705	1,449,542	25.1	287,145	1,513,002	27.4	313,457	1,656,666
2032	1,175,465	24.1	283,287	1,446,598	25.1	295,042	1,509,929	27.4	322,077	1,653,302

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.



St. Clair Fire Protection District - Fire

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			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	
2023	\$ 920,817	12.3%	\$113,260	\$ 795,032	15.6%	\$143,647	\$ 993,801	16.4%	\$151,014	\$ 1,038,690
2024	946,139	12.3	116,375	802,658	15.6	147,598	1,003,334	16.4	155,167	1,048,654
2025	972,158	12.3	119,575	809,498	15.6	151,657	1,011,884	16.4	159,434	1,057,590
2026	998,892	12.3	122,864	815,459	15.6	155,827	1,019,336	16.4	163,818	1,065,378
2027	1,026,362	12.3	126,243	820,443	15.6	160,112	1,025,566	16.4	168,323	1,071,890
2028	1,054,587	12.3	129,714	824,344	15.6	164,516	1,030,442	16.4	172,952	1,076,986
2029	1,083,588	12.3	133,281	827,045	15.6	169,040	1,033,819	16.4	177,708	1,080,515
2030	1,113,387	12.3	136,947	828,423	15.6	173,688	1,035,541	16.4	182,595	1,082,315
2031	1,144,005	12.3	140,713	828,343	15.6	178,465	1,035,441	16.4	187,617	1,082,211
2032	1,175,465	12.3	144,582	826,661	15.6	183,373	1,033,338	16.4	192,776	1,080,013

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	
2023	\$ 920,817	18.7%	\$172,193	\$ 1,176,525	19.0%	\$174,955	\$ 1,192,569	20.9%	\$192,451	\$ 1,314,391
2024	946,139	18.7	176,928	1,187,811	19.0	179,766	1,204,009	20.9	197,743	1,327,000
2025	972,158	18.7	181,794	1,197,933	19.0	184,710	1,214,269	20.9	203,181	1,338,308
2026	998,892	18.7	186,793	1,206,755	19.0	189,789	1,223,211	20.9	208,768	1,348,164
2027	1,026,362	18.7	191,930	1,214,131	19.0	195,009	1,230,688	20.9	214,510	1,356,404
2028	1,054,587	18.7	197,208	1,219,903	19.0	200,372	1,236,539	20.9	220,409	1,362,853
2029	1,083,588	18.7	202,631	1,223,901	19.0	205,882	1,240,591	20.9	226,470	1,367,319
2030	1,113,387	18.7	208,203	1,225,940	19.0	211,544	1,242,658	20.9	232,698	1,369,597
2031	1,144,005	18.7	213,929	1,225,822	19.0	217,361	1,242,538	20.9	239,097	1,369,465
2032	1,175,465	18.7	219,812	1,223,333	19.0	223,338	1,240,015	20.9	245,672	1,366,684

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	
2023	\$ 920,817	22.2%	\$204,421	\$ 1,391,249	23.2%	\$213,630	\$ 1,452,157	25.5%	\$234,808	\$ 1,590,042
2024	946,139	22.2	210,043	1,404,595	23.2	219,504	1,466,087	25.5	241,265	1,605,295
2025	972,158	22.2	215,819	1,416,564	23.2	225,541	1,478,580	25.5	247,900	1,618,974
2026	998,892	22.2	221,754	1,426,996	23.2	231,743	1,489,469	25.5	254,717	1,630,897
2027	1,026,362	22.2	227,852	1,435,718	23.2	238,116	1,498,573	25.5	261,722	1,640,865
2028	1,054,587	22.2	234,118	1,442,544	23.2	244,664	1,505,697	25.5	268,920	1,648,666
2029	1,083,588	22.2	240,557	1,447,271	23.2	251,392	1,510,631	25.5	276,315	1,654,069
2030	1,113,387	22.2	247,172	1,449,682	23.2	258,306	1,513,148	25.5	283,914	1,656,825
2031	1,144,005	22.2	253,969	1,449,542	23.2	265,409	1,513,002	25.5	291,721	1,656,666
2032	1,175,465	22.2	260,953	1,446,598	23.2	272,708	1,509,929	25.5	299,744	1,653,302

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.



St. Clair 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	
2023	\$ 920,817	10.4%	\$95,765	\$ 795,032	13.7%	\$126,152	\$ 993,801	14.5%	\$133,518	\$ 1,038,690
2024	946,139	10.4	98,398	802,658	13.7	129,621	1,003,334	14.5	137,190	1,048,654
2025	972,158	10.4	101,104	809,498	13.7	133,186	1,011,884	14.5	140,963	1,057,590
2026	998,892	10.4	103,885	815,459	13.7	136,848	1,019,336	14.5	144,839	1,065,378
2027	1,026,362	10.4	106,742	820,443	13.7	140,612	1,025,566	14.5	148,822	1,071,890
2028	1,054,587	10.4	109,677	824,344	13.7	144,478	1,030,442	14.5	152,915	1,076,986
2029	1,083,588	10.4	112,693	827,045	13.7	148,452	1,033,819	14.5	157,120	1,080,515
2030	1,113,387	10.4	115,792	828,423	13.7	152,534	1,035,541	14.5	161,441	1,082,315
2031	1,144,005	10.4	118,977	828,343	13.7	156,729	1,035,441	14.5	165,881	1,082,211
2032	1,175,465	10.4	122,248	826,661	13.7	161,039	1,033,338	14.5	170,442	1,080,013

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	
2023	\$ 920,817	16.8%	\$154,697	\$ 1,176,525	17.1%	\$157,460	\$ 1,192,569	19.0%	\$174,955	\$ 1,314,391
2024	946,139	16.8	158,951	1,187,811	17.1	161,790	1,204,009	19.0	179,766	1,327,000
2025	972,158	16.8	163,323	1,197,933	17.1	166,239	1,214,269	19.0	184,710	1,338,308
2026	998,892	16.8	167,814	1,206,755	17.1	170,811	1,223,211	19.0	189,789	1,348,164
2027	1,026,362	16.8	172,429	1,214,131	17.1	175,508	1,230,688	19.0	195,009	1,356,404
2028	1,054,587	16.8	177,171	1,219,903	17.1	180,334	1,236,539	19.0	200,372	1,362,853
2029	1,083,588	16.8	182,043	1,223,901	17.1	185,294	1,240,591	19.0	205,882	1,367,319
2030	1,113,387	16.8	187,049	1,225,940	17.1	190,389	1,242,658	19.0	211,544	1,369,597
2031	1,144,005	16.8	192,193	1,225,822	17.1	195,625	1,242,538	19.0	217,361	1,369,465
2032	1,175,465	16.8	197,478	1,223,333	17.1	201,005	1,240,015	19.0	223,338	1,366,684

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	
2023	\$ 920,817	20.3%	\$186,926	\$ 1,391,249	21.3%	\$196,134	\$ 1,452,157	23.6%	\$217,313	\$ 1,590,042
2024	946,139	20.3	192,066	1,404,595	21.3	201,528	1,466,087	23.6	223,289	1,605,295
2025	972,158	20.3	197,348	1,416,564	21.3	207,070	1,478,580	23.6	229,429	1,618,974
2026	998,892	20.3	202,775	1,426,996	21.3	212,764	1,489,469	23.6	235,739	1,630,897
2027	1,026,362	20.3	208,351	1,435,718	21.3	218,615	1,498,573	23.6	242,221	1,640,865
2028	1,054,587	20.3	214,081	1,442,544	21.3	224,627	1,505,697	23.6	248,883	1,648,666
2029	1,083,588	20.3	219,968	1,447,271	21.3	230,804	1,510,631	23.6	255,727	1,654,069
2030	1,113,387	20.3	226,018	1,449,682	21.3	237,151	1,513,148	23.6	262,759	1,656,825
2031	1,144,005	20.3	232,233	1,449,542	21.3	243,673	1,513,002	23.6	269,985	1,656,666
2032	1,175,465	20.3	238,619	1,446,598	21.3	250,374	1,509,929	23.6	277,410	1,653,302

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.



St. Clair Fire Protection District - Fire

Employer Contribution Rates (6% 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	
2023	\$ 920,817	8.5%	\$78,269	\$ 795,032	11.8%	\$108,656	\$ 993,801	12.6%	\$116,023	\$ 1,038,690
2024	946,139	8.5	80,422	802,658	11.8	111,644	1,003,334	12.6	119,214	1,048,654
2025	972,158	8.5	82,633	809,498	11.8	114,715	1,011,884	12.6	122,492	1,057,590
2026	998,892	8.5	84,906	815,459	11.8	117,869	1,019,336	12.6	125,860	1,065,378
2027	1,026,362	8.5	87,241	820,443	11.8	121,111	1,025,566	12.6	129,322	1,071,890
2028	1,054,587	8.5	89,640	824,344	11.8	124,441	1,030,442	12.6	132,878	1,076,986
2029	1,083,588	8.5	92,105	827,045	11.8	127,863	1,033,819	12.6	136,532	1,080,515
2030	1,113,387	8.5	94,638	828,423	11.8	131,380	1,035,541	12.6	140,287	1,082,315
2031	1,144,005	8.5	97,240	828,343	11.8	134,993	1,035,441	12.6	144,145	1,082,211
2032	1,175,465	8.5	99,915	826,661	11.8	138,705	1,033,338	12.6	148,109	1,080,013

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	
2023	\$ 920,817	14.9%	\$137,202	\$ 1,176,525	15.2%	\$139,964	\$ 1,192,569	17.1%	\$157,460	\$ 1,314,391
2024	946,139	14.9	140,975	1,187,811	15.2	143,813	1,204,009	17.1	161,790	1,327,000
2025	972,158	14.9	144,852	1,197,933	15.2	147,768	1,214,269	17.1	166,239	1,338,308
2026	998,892	14.9	148,835	1,206,755	15.2	151,832	1,223,211	17.1	170,811	1,348,164
2027	1,026,362	14.9	152,928	1,214,131	15.2	156,007	1,230,688	17.1	175,508	1,356,404
2028	1,054,587	14.9	157,133	1,219,903	15.2	160,297	1,236,539	17.1	180,334	1,362,853
2029	1,083,588	14.9	161,455	1,223,901	15.2	164,705	1,240,591	17.1	185,294	1,367,319
2030	1,113,387	14.9	165,895	1,225,940	15.2	169,235	1,242,658	17.1	190,389	1,369,597
2031	1,144,005	14.9	170,457	1,225,822	15.2	173,889	1,242,538	17.1	195,625	1,369,465
2032	1,175,465	14.9	175,144	1,223,333	15.2	178,671	1,240,015	17.1	201,005	1,366,684

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	
2023	\$ 920,817	18.4%	\$169,430	\$ 1,391,249	19.4%	\$178,638	\$ 1,452,157	21.7%	\$199,817	\$ 1,590,042
2024	946,139	18.4	174,090	1,404,595	19.4	183,551	1,466,087	21.7	205,312	1,605,295
2025	972,158	18.4	178,877	1,416,564	19.4	188,599	1,478,580	21.7	210,958	1,618,974
2026	998,892	18.4	183,796	1,426,996	19.4	193,785	1,489,469	21.7	216,760	1,630,897
2027	1,026,362	18.4	188,851	1,435,718	19.4	199,114	1,498,573	21.7	222,721	1,640,865
2028	1,054,587	18.4	194,044	1,442,544	19.4	204,590	1,505,697	21.7	228,845	1,648,666
2029	1,083,588	18.4	199,380	1,447,271	19.4	210,216	1,510,631	21.7	235,139	1,654,069
2030	1,113,387	18.4	204,863	1,449,682	19.4	215,997	1,513,148	21.7	241,605	1,656,825
2031	1,144,005	18.4	210,497	1,449,542	19.4	221,937	1,513,002	21.7	248,249	1,656,666
2032	1,175,465	18.4	216,286	1,446,598	19.4	228,040	1,509,929	21.7	255,076	1,653,302

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.



St. Clair Fire Protection District - Fire

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

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	
2023	\$ 920,817	14.7%	\$135,360	\$ 821,244	18.1%	\$166,668	\$ 1,026,510	18.8%	\$173,114	\$ 1,073,515
2024	946,139	14.7	139,082	829,122	18.1	171,251	1,036,357	18.8	177,874	1,083,813
2025	972,158	14.7	142,907	836,187	18.1	175,961	1,045,188	18.8	182,766	1,093,048
2026	998,892	14.7	146,837	842,345	18.1	180,799	1,052,885	18.8	187,792	1,101,097
2027	1,026,362	14.7	150,875	847,494	18.1	185,772	1,059,320	18.8	192,956	1,107,827
2028	1,054,587	14.7	155,024	851,523	18.1	190,880	1,064,356	18.8	198,262	1,113,094
2029	1,083,588	14.7	159,287	854,314	18.1	196,129	1,067,844	18.8	203,715	1,116,742
2030	1,113,387	14.7	163,668	855,737	18.1	201,523	1,069,623	18.8	209,317	1,118,603
2031	1,144,005	14.7	168,169	855,655	18.1	207,065	1,069,520	18.8	215,073	1,118,495
2032	1,175,465	14.7	172,793	853,917	18.1	212,759	1,067,348	18.8	220,987	1,116,224

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	
2023	\$ 920,817	21.2%	\$195,213	\$ 1,215,728	21.5%	\$197,976	\$ 1,231,826	23.6%	\$217,313	\$ 1,357,950
2024	946,139	21.2	200,581	1,227,390	21.5	203,420	1,243,642	23.6	223,289	1,370,976
2025	972,158	21.2	206,097	1,237,849	21.5	209,014	1,254,239	23.6	229,429	1,382,658
2026	998,892	21.2	211,765	1,246,965	21.5	214,762	1,263,476	23.6	235,739	1,392,840
2027	1,026,362	21.2	217,589	1,254,587	21.5	220,668	1,271,199	23.6	242,221	1,401,353
2028	1,054,587	21.2	223,572	1,260,552	21.5	226,736	1,277,242	23.6	248,883	1,408,015
2029	1,083,588	21.2	229,721	1,264,683	21.5	232,971	1,281,428	23.6	255,727	1,412,629
2030	1,113,387	21.2	236,038	1,266,790	21.5	239,378	1,283,563	23.6	262,759	1,414,983
2031	1,144,005	21.2	242,529	1,266,668	21.5	245,961	1,283,439	23.6	269,985	1,414,847
2032	1,175,465	21.2	249,199	1,264,096	21.5	252,725	1,280,833	23.6	277,410	1,411,974

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	
2023	\$ 920,817	24.9%	\$229,283	\$ 1,437,191	25.9%	\$238,492	\$ 1,500,234	28.3%	\$260,591	\$ 1,642,450
2024	946,139	24.9	235,589	1,450,977	25.9	245,050	1,514,625	28.3	267,757	1,658,205
2025	972,158	24.9	242,067	1,463,341	25.9	251,789	1,527,531	28.3	275,121	1,672,335
2026	998,892	24.9	248,724	1,474,117	25.9	258,713	1,538,780	28.3	282,686	1,684,650
2027	1,026,362	24.9	255,564	1,483,127	25.9	265,828	1,548,185	28.3	290,460	1,694,947
2028	1,054,587	24.9	262,592	1,490,178	25.9	273,138	1,555,545	28.3	298,448	1,703,005
2029	1,083,588	24.9	269,813	1,495,061	25.9	280,649	1,560,643	28.3	306,655	1,708,586
2030	1,113,387	24.9	277,233	1,497,552	25.9	288,367	1,563,243	28.3	315,089	1,711,433
2031	1,144,005	24.9	284,857	1,497,408	25.9	296,297	1,563,093	28.3	323,753	1,711,268
2032	1,175,465	24.9	292,691	1,494,367	25.9	304,445	1,559,919	28.3	332,657	1,707,793

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.



St. Clair Fire Protection District - Fire

Employer Contribution Rates (2% Member Contribution Rate, 3 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	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2023	\$ 920,817	12.8%	\$117,865	\$ 821,244	16.2%	\$149,172	\$ 1,026,510	16.9%	\$155,618	\$ 1,073,515
2024	946,139	12.8	121,106	829,122	16.2	153,275	1,036,357	16.9	159,897	1,083,813
2025	972,158	12.8	124,436	836,187	16.2	157,490	1,045,188	16.9	164,295	1,093,048
2026	998,892	12.8	127,858	842,345	16.2	161,821	1,052,885	16.9	168,813	1,101,097
2027	1,026,362	12.8	131,374	847,494	16.2	166,271	1,059,320	16.9	173,455	1,107,827
2028	1,054,587	12.8	134,987	851,523	16.2	170,843	1,064,356	16.9	178,225	1,113,094
2029	1,083,588	12.8	138,699	854,314	16.2	175,541	1,067,844	16.9	183,126	1,116,742
2030	1,113,387	12.8	142,514	855,737	16.2	180,369	1,069,623	16.9	188,162	1,118,603
2031	1,144,005	12.8	146,433	855,655	16.2	185,329	1,069,520	16.9	193,337	1,118,495
2032	1,175,465	12.8	150,460	853,917	16.2	190,425	1,067,348	16.9	198,654	1,116,224

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2023	\$ 920,817	19.3%	\$177,718	\$ 1,215,728	19.6%	\$180,480	\$ 1,231,826	21.7%	\$199,817	\$ 1,357,950
2024	946,139	19.3	182,605	1,227,390	19.6	185,443	1,243,642	21.7	205,312	1,370,976
2025	972,158	19.3	187,626	1,237,849	19.6	190,543	1,254,239	21.7	210,958	1,382,658
2026	998,892	19.3	192,786	1,246,965	19.6	195,783	1,263,476	21.7	216,760	1,392,840
2027	1,026,362	19.3	198,088	1,254,587	19.6	201,167	1,271,199	21.7	222,721	1,401,353
2028	1,054,587	19.3	203,535	1,260,552	19.6	206,699	1,277,242	21.7	228,845	1,408,015
2029	1,083,588	19.3	209,132	1,264,683	19.6	212,383	1,281,428	21.7	235,139	1,412,629
2030	1,113,387	19.3	214,884	1,266,790	19.6	218,224	1,283,563	21.7	241,605	1,414,983
2031	1,144,005	19.3	220,793	1,266,668	19.6	224,225	1,283,439	21.7	248,249	1,414,847
2032	1,175,465	19.3	226,865	1,264,096	19.6	230,391	1,280,833	21.7	255,076	1,411,974

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2023	\$ 920,817	23.0%	\$211,788	\$ 1,437,191	24.0%	\$220,996	\$ 1,500,234	26.4%	\$243,096	\$ 1,642,450
2024	946,139	23.0	217,612	1,450,977	24.0	227,073	1,514,625	26.4	249,781	1,658,205
2025	972,158	23.0	223,596	1,463,341	24.0	233,318	1,527,531	26.4	256,650	1,672,335
2026	998,892	23.0	229,745	1,474,117	24.0	239,734	1,538,780	26.4	263,707	1,684,650
2027	1,026,362	23.0	236,063	1,483,127	24.0	246,327	1,548,185	26.4	270,960	1,694,947
2028	1,054,587	23.0	242,555	1,490,178	24.0	253,101	1,555,545	26.4	278,411	1,703,005
2029	1,083,588	23.0	249,225	1,495,061	24.0	260,061	1,560,643	26.4	286,067	1,708,586
2030	1,113,387	23.0	256,079	1,497,552	24.0	267,213	1,563,243	26.4	293,934	1,711,433
2031	1,144,005	23.0	263,121	1,497,408	24.0	274,561	1,563,093	26.4	302,017	1,711,268
2032	1,175,465	23.0	270,357	1,494,367	24.0	282,112	1,559,919	26.4	310,323	1,707,793

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.



St. Clair Fire Protection District - Fire

Employer Contribution Rates (4% Member Contribution Rate, 3 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	
2023	\$ 920,817	10.9%	\$100,369	\$ 821,244	14.3%	\$131,677	\$ 1,026,510	15.0%	\$138,123	\$ 1,073,515
2024	946,139	10.9	103,129	829,122	14.3	135,298	1,036,357	15.0	141,921	1,083,813
2025	972,158	10.9	105,965	836,187	14.3	139,019	1,045,188	15.0	145,824	1,093,048
2026	998,892	10.9	108,879	842,345	14.3	142,842	1,052,885	15.0	149,834	1,101,097
2027	1,026,362	10.9	111,873	847,494	14.3	146,770	1,059,320	15.0	153,954	1,107,827
2028	1,054,587	10.9	114,950	851,523	14.3	150,806	1,064,356	15.0	158,188	1,113,094
2029	1,083,588	10.9	118,111	854,314	14.3	154,953	1,067,844	15.0	162,538	1,116,742
2030	1,113,387	10.9	121,359	855,737	14.3	159,214	1,069,623	15.0	167,008	1,118,603
2031	1,144,005	10.9	124,697	855,655	14.3	163,593	1,069,520	15.0	171,601	1,118,495
2032	1,175,465	10.9	128,126	853,917	14.3	168,091	1,067,348	15.0	176,320	1,116,224

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	
2023	\$ 920,817	17.4%	\$160,222	\$ 1,215,728	17.7%	\$162,985	\$ 1,231,826	19.8%	\$182,322	\$ 1,357,950
2024	946,139	17.4	164,628	1,227,390	17.7	167,467	1,243,642	19.8	187,336	1,370,976
2025	972,158	17.4	169,155	1,237,849	17.7	172,072	1,254,239	19.8	192,487	1,382,658
2026	998,892	17.4	173,807	1,246,965	17.7	176,804	1,263,476	19.8	197,781	1,392,840
2027	1,026,362	17.4	178,587	1,254,587	17.7	181,666	1,271,199	19.8	203,220	1,401,353
2028	1,054,587	17.4	183,498	1,260,552	17.7	186,662	1,277,242	19.8	208,808	1,408,015
2029	1,083,588	17.4	188,544	1,264,683	17.7	191,795	1,281,428	19.8	214,550	1,412,629
2030	1,113,387	17.4	193,729	1,266,790	17.7	197,069	1,283,563	19.8	220,451	1,414,983
2031	1,144,005	17.4	199,057	1,266,668	17.7	202,489	1,283,439	19.8	226,513	1,414,847
2032	1,175,465	17.4	204,531	1,264,096	17.7	208,057	1,280,833	19.8	232,742	1,411,974

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	
2023	\$ 920,817	21.1%	\$194,292	\$ 1,437,191	22.1%	\$203,501	\$ 1,500,234	24.5%	\$225,600	\$ 1,642,450
2024	946,139	21.1	199,635	1,450,977	22.1	209,097	1,514,625	24.5	231,804	1,658,205
2025	972,158	21.1	205,125	1,463,341	22.1	214,847	1,527,531	24.5	238,179	1,672,335
2026	998,892	21.1	210,766	1,474,117	22.1	220,755	1,538,780	24.5	244,729	1,684,650
2027	1,026,362	21.1	216,562	1,483,127	22.1	226,826	1,548,185	24.5	251,459	1,694,947
2028	1,054,587	21.1	222,518	1,490,178	22.1	233,064	1,555,545	24.5	258,374	1,703,005
2029	1,083,588	21.1	228,637	1,495,061	22.1	239,473	1,560,643	24.5	265,479	1,708,586
2030	1,113,387	21.1	234,925	1,497,552	22.1	246,059	1,563,243	24.5	272,780	1,711,433
2031	1,144,005	21.1	241,385	1,497,408	22.1	252,825	1,563,093	24.5	280,281	1,711,268
2032	1,175,465	21.1	248,023	1,494,367	22.1	259,778	1,559,919	24.5	287,989	1,707,793

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.



St. Clair Fire Protection District - Fire

Employer Contribution Rates (6% Member Contribution Rate, 3 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	
2023	\$ 920,817	9.0%	\$82,874	\$ 821,244	12.4%	\$114,181	\$ 1,026,510	13.1%	\$120,627	\$ 1,073,515
2024	946,139	9.0	85,153	829,122	12.4	117,321	1,036,357	13.1	123,944	1,083,813
2025	972,158	9.0	87,494	836,187	12.4	120,548	1,045,188	13.1	127,353	1,093,048
2026	998,892	9.0	89,900	842,345	12.4	123,863	1,052,885	13.1	130,855	1,101,097
2027	1,026,362	9.0	92,373	847,494	12.4	127,269	1,059,320	13.1	134,453	1,107,827
2028	1,054,587	9.0	94,913	851,523	12.4	130,769	1,064,356	13.1	138,151	1,113,094
2029	1,083,588	9.0	97,523	854,314	12.4	134,365	1,067,844	13.1	141,950	1,116,742
2030	1,113,387	9.0	100,205	855,737	12.4	138,060	1,069,623	13.1	145,854	1,118,603
2031	1,144,005	9.0	102,960	855,655	12.4	141,857	1,069,520	13.1	149,865	1,118,495
2032	1,175,465	9.0	105,792	853,917	12.4	145,758	1,067,348	13.1	153,986	1,116,224

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	
2023	\$ 920,817	15.5%	\$142,727	\$ 1,215,728	15.8%	\$145,489	\$ 1,231,826	17.9%	\$164,826	\$ 1,357,950
2024	946,139	15.5	146,652	1,227,390	15.8	149,490	1,243,642	17.9	169,359	1,370,976
2025	972,158	15.5	150,684	1,237,849	15.8	153,601	1,254,239	17.9	174,016	1,382,658
2026	998,892	15.5	154,828	1,246,965	15.8	157,825	1,263,476	17.9	178,802	1,392,840
2027	1,026,362	15.5	159,086	1,254,587	15.8	162,165	1,271,199	17.9	183,719	1,401,353
2028	1,054,587	15.5	163,461	1,260,552	15.8	166,625	1,277,242	17.9	188,771	1,408,015
2029	1,083,588	15.5	167,956	1,264,683	15.8	171,207	1,281,428	17.9	193,962	1,412,629
2030	1,113,387	15.5	172,575	1,266,790	15.8	175,915	1,283,563	17.9	199,296	1,414,983
2031	1,144,005	15.5	177,321	1,266,668	15.8	180,753	1,283,439	17.9	204,777	1,414,847
2032	1,175,465	15.5	182,197	1,264,096	15.8	185,723	1,280,833	17.9	210,408	1,411,974

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	
2023	\$ 920,817	19.2%	\$176,797	\$ 1,437,191	20.2%	\$186,005	\$ 1,500,234	22.6%	\$208,105	\$ 1,642,450
2024	946,139	19.2	181,659	1,450,977	20.2	191,120	1,514,625	22.6	213,827	1,658,205
2025	972,158	19.2	186,654	1,463,341	20.2	196,376	1,527,531	22.6	219,708	1,672,335
2026	998,892	19.2	191,787	1,474,117	20.2	201,776	1,538,780	22.6	225,750	1,684,650
2027	1,026,362	19.2	197,062	1,483,127	20.2	207,325	1,548,185	22.6	231,958	1,694,947
2028	1,054,587	19.2	202,481	1,490,178	20.2	213,027	1,555,545	22.6	238,337	1,703,005
2029	1,083,588	19.2	208,049	1,495,061	20.2	218,885	1,560,643	22.6	244,891	1,708,586
2030	1,113,387	19.2	213,770	1,497,552	20.2	224,904	1,563,243	22.6	251,625	1,711,433
2031	1,144,005	19.2	219,649	1,497,408	20.2	231,089	1,563,093	22.6	258,545	1,711,268
2032	1,175,465	19.2	225,689	1,494,367	20.2	237,444	1,559,919	22.6	265,655	1,707,793

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.

