



The Initial Valuation For
City of Viburnum
as of October 31, 2022



Table of Contents

	Page
Actuary's Certification Letter	1
Alternate Plans Available	3
Employer Contribution Rates	
Regular Eligibility:	
5-Year Final Average Salary	4
3-Year Final Average Salary	5
Rule of 80 Eligibility:	
5-Year Final Average Salary	6
3-Year Final Average Salary	7
Employer Contribution Dollars	8
Appendix I	
Unfunded Actuarial Accrued Liability	11
Appendix II	
Summary of Financial Assumptions	13
Appendix III	
Summary of LAGERS Provisions	17
Appendix IV	
Benefit Illustrations.....	20
Appendix V	
Age and Service Characteristics of Employees	29
Appendix VI	
Risk Commentary.....	31



December 14, 2022

City of Viburnum
Viburnum, Missouri

Ladies and Gentlemen:

Submitted in this report are the results of the actuarial valuation prepared to determine the employer contribution rates required to support, for your employees, the benefits provided by the Missouri Local Government Employees Retirement System (LAGERS). This report contains the information needed to comply with Missouri State disclosure requirements regarding the adoption of LAGERS benefits by a political subdivision (Sections 105.660 - 105.685 RSMo). This report should not be relied on for any purpose other than the purposes described herein. Determinations of financial results, associated with the benefits described in this report, for purposes other than those identified above may be significantly different.

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

The contribution requirement for benefits likely to accrue as a result of the future service of your employees is described on pages 4 thru 7 as the normal cost rate and the casualty rate. This contribution rate, expressed as a percent of active employee payroll, will depend on the benefit program adopted.

The contribution requirement to pay for benefits likely to result from service rendered by your employees before you join LAGERS is described on pages 4 thru 7 as the prior service cost rate. The value established for prior service is called the unfunded actuarial accrued liability (these amounts are further described in Appendix I). The prior service cost rate is the rate of contribution designed to pay for the unfunded actuarial accrued liability over a period of not more than 30 years.

Section 70.730 of the Revised Statutes of Missouri requires participating employers to contribute the normal cost rate, casualty rate, and prior service cost rate (the total employer contribution rate as shown on pages 4 thru 7). These contributions are mandatory after official action has been taken to join the System.

The total annual dollar costs shown on pages 8 and 9 represent the dollar cost of each benefit program for a one year period based on the payroll reported for this actuarial valuation. In budgeting amounts for LAGERS contributions you should consider any changes in payroll which have been made since data was submitted for the valuation and any changes anticipated to be made before the end of the period for which you are preparing the budget.

The actuarial assumptions and methods used to determine the stated costs are described in Appendix II of this report. In our opinion, they do produce results which, in the aggregate, are reasonable. Additional miscellaneous and technical assumptions as well as disclosures required by the actuarial standards of practice may be found in the LAGERS Compiled Annual Actuarial Valuation report as of February 28, 2022.

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

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

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

In accordance with LAGERS Board policy, the employer contribution rates established by this valuation report are valid for purposes of joining the System for a two year period from the date of this valuation which was October 31, 2022. The valuation was based on data furnished from your records concerning individual employees (see Appendix V).

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

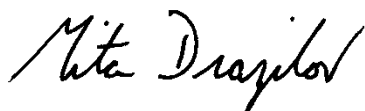
If you have any questions concerning this report or LAGERS in general, please contact the LAGERS office in Jefferson City.

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

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

The signing actuary is independent of the plan sponsor.

Respectfully submitted,
Gabriel, Roeder, Smith & Company



Mita 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.

City of Viburnum

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	General	6.10%	0.20%	0.60%	6.90%	5.00%	3.10%	1.20%
	Police	7.60	0.40	0.60	8.60	6.70	4.80	2.90
L-3	General	7.40	0.30	0.80	8.50	6.60	4.70	2.80
	Police	9.30	0.50	0.70	10.50	8.60	6.70	4.80
LT-4(65)	General	6.60	0.20	0.70	7.50	5.60	3.70	1.80
	Police	8.60	0.40	0.60	9.60	7.70	5.80	3.90
LT-5(65)	General	7.80	0.30	0.80	8.90	7.00	5.10	3.20
	Police	10.00	0.50	0.80	11.30	9.40	7.50	5.60
L-7	General	8.80	0.30	0.90	10.00	8.10	6.20	4.30
	Police	11.00	0.60	0.90	12.50	10.60	8.70	6.80
LT-8(65)	General	9.00	0.30	1.00	10.30	8.40	6.50	4.60
	Police	11.50	0.60	0.90	13.00	11.10	9.20	7.30
L-12	General	10.10	0.40	1.10	11.60	9.70	7.80	5.90
	Police	12.70	0.70	1.00	14.40	12.50	10.60	8.70
LT-14(65)	General	10.20	0.40	1.10	11.70	9.80	7.90	6.00
	Police	12.90	0.70	1.00	14.60	12.70	10.80	8.90
L-6	General	11.40	0.50	1.30	13.20	11.30	9.40	7.50
	Police	14.40	0.80	1.20	16.40	14.50	12.60	10.70

* Assumes that credit is granted for 100% of service rendered prior to the member-ship 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.

City of Viburnum

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	General	6.30%	0.20%	0.70%	7.20%	5.30%	3.40%	1.50%
	Police	7.90	0.40	0.60	8.90	7.00	5.10	3.20
L-3	General	7.70	0.30	0.80	8.80	6.90	5.00	3.10
	Police	9.60	0.50	0.80	10.90	9.00	7.10	5.20
LT-4(65)	General	6.70	0.20	0.70	7.60	5.70	3.80	1.90
	Police	8.90	0.40	0.70	10.00	8.10	6.20	4.30
LT-5(65)	General	8.00	0.30	0.90	9.20	7.30	5.40	3.50
	Police	10.40	0.50	0.80	11.70	9.80	7.90	6.00
L-7	General	9.00	0.30	1.00	10.30	8.40	6.50	4.60
	Police	11.40	0.60	0.90	12.90	11.00	9.10	7.20
LT-8(65)	General	9.20	0.30	1.00	10.50	8.60	6.70	4.80
	Police	11.80	0.60	0.90	13.30	11.40	9.50	7.60
L-12	General	10.40	0.40	1.20	12.00	10.10	8.20	6.30
	Police	13.10	0.70	1.10	14.90	13.00	11.10	9.20
LT-14(65)	General	10.50	0.40	1.20	12.10	10.20	8.30	6.40
	Police	13.30	0.70	1.10	15.10	13.20	11.30	9.40
L-6	General	11.70	0.50	1.30	13.50	11.60	9.70	7.80
	Police	14.80	0.80	1.20	16.80	14.90	13.00	11.10

* Assumes that credit is granted for 100% of service rendered prior to the member-ship 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.

City of Viburnum

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	General	6.70%	0.20%	0.80%	7.70%	5.80%	3.90%	2.00%
	Police	7.70	0.40	0.60	8.70	6.80	4.90	3.00
L-3	General	8.20	0.30	1.00	9.50	7.60	5.70	3.80
	Police	9.40	0.50	0.70	10.60	8.70	6.80	4.90
LT-4(65)	General	8.00	0.20	1.00	9.20	7.30	5.40	3.50
	Police	8.90	0.40	0.60	9.90	8.00	6.10	4.20
LT-5(65)	General	9.10	0.30	1.10	10.50	8.60	6.70	4.80
	Police	10.30	0.50	0.80	11.60	9.70	7.80	5.90
L-7	General	9.70	0.30	1.10	11.10	9.20	7.30	5.40
	Police	11.20	0.60	0.90	12.70	10.80	8.90	7.00
LT-8(65)	General	10.30	0.30	1.30	11.90	10.00	8.10	6.20
	Police	11.70	0.60	0.90	13.20	11.30	9.40	7.50
L-12	General	11.10	0.40	1.30	12.80	10.90	9.00	7.10
	Police	12.90	0.70	1.00	14.60	12.70	10.80	8.90
LT-14(65)	General	11.40	0.40	1.40	13.20	11.30	9.40	7.50
	Police	13.10	0.70	1.00	14.80	12.90	11.00	9.10
L-6	General	12.60	0.50	1.50	14.60	12.70	10.80	8.90
	Police	14.60	0.80	1.20	16.60	14.70	12.80	10.90

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

* Assumes that credit is granted for 100% of service rendered prior to the member-ship 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.

City of Viburnum

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	General	7.00%	0.20%	0.80%	8.00%	6.10%	4.20%	2.30%
	Police	8.00	0.40	0.60	9.00	7.10	5.20	3.30
L-3	General	8.50	0.30	1.00	9.80	7.90	6.00	4.10
	Police	9.80	0.50	0.80	11.10	9.20	7.30	5.40
LT-4(65)	General	8.20	0.20	1.00	9.40	7.50	5.60	3.70
	Police	9.10	0.40	0.70	10.20	8.30	6.40	4.50
LT-5(65)	General	9.40	0.30	1.20	10.90	9.00	7.10	5.20
	Police	10.60	0.50	0.80	11.90	10.00	8.10	6.20
L-7	General	10.00	0.30	1.20	11.50	9.60	7.70	5.80
	Police	11.50	0.60	0.90	13.00	11.10	9.20	7.30
LT-8(65)	General	10.60	0.30	1.30	12.20	10.30	8.40	6.50
	Police	12.10	0.60	0.90	13.60	11.70	9.80	7.90
L-12	General	11.50	0.40	1.40	13.30	11.40	9.50	7.60
	Police	13.30	0.70	1.10	15.10	13.20	11.30	9.40
LT-14(65)	General	11.80	0.40	1.40	13.60	11.70	9.80	7.90
	Police	13.60	0.70	1.10	15.40	13.50	11.60	9.70
L-6	General	13.00	0.50	1.60	15.10	13.20	11.30	9.40
	Police	15.10	0.80	1.20	17.10	15.20	13.30	11.40

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

* Assumes that credit is granted for 100% of service rendered prior to the member-ship 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.

City of Viburnum

Employer Contribution Dollars General

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

Regular Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 6,745	\$ 4,888	\$ 3,031	\$ 1,173
L-3	8,310	6,452	4,595	2,737
LT-4(65)	7,332	5,475	3,617	1,760
LT-5(65)	8,701	6,843	4,986	3,128
L-7	9,776	7,919	6,061	4,204
LT-8(65)	10,069	8,212	6,354	4,497
L-12	11,340	9,483	7,625	5,768
LT-14(65)	11,438	9,580	7,723	5,866
L-6	12,904	11,047	9,189	7,332

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 7,039	\$ 5,181	\$ 3,324	\$ 1,466
L-3	8,603	6,745	4,888	3,031
LT-4(65)	7,430	5,572	3,715	1,857
LT-5(65)	8,994	7,136	5,279	3,422
L-7	10,069	8,212	6,354	4,497
LT-8(65)	10,265	8,407	6,550	4,692
L-12	11,731	9,874	8,016	6,159
LT-14(65)	11,829	9,972	8,114	6,257
L-6	13,198	11,340	9,483	7,625

Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 7,528	\$ 5,670	\$ 3,813	\$ 1,955
L-3	9,287	7,430	5,572	3,715
LT-4(65)	8,994	7,136	5,279	3,422
LT-5(65)	10,265	8,407	6,550	4,692
L-7	10,851	8,994	7,136	5,279
LT-8(65)	11,633	9,776	7,919	6,061
L-12	12,513	10,656	8,798	6,941
LT-14(65)	12,904	11,047	9,189	7,332
L-6	14,273	12,416	10,558	8,701

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 7,821	\$ 5,963	\$ 4,106	\$ 2,248
L-3	9,580	7,723	5,866	4,008
LT-4(65)	9,189	7,332	5,475	3,617
LT-5(65)	10,656	8,798	6,941	5,084
L-7	11,242	9,385	7,528	5,670
LT-8(65)	11,927	10,069	8,212	6,354
L-12	13,002	11,145	9,287	7,430
LT-14(65)	13,295	11,438	9,580	7,723
L-6	14,762	12,904	11,047	9,189

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

City of Viburnum

Employer Contribution Dollars Police

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

Regular Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 5,951	\$ 4,636	\$ 3,322	\$ 2,007
L-3	7,266	5,951	4,636	3,322
LT-4(65)	6,643	5,328	4,014	2,699
LT-5(65)	7,820	6,505	5,190	3,875
L-7	8,650	7,335	6,020	4,706
LT-8(65)	8,996	7,681	6,366	5,052
L-12	9,965	8,650	7,335	6,020
LT-14(65)	10,103	8,788	7,474	6,159
L-6	11,349	10,034	8,719	7,404

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 6,159	\$ 4,844	\$ 3,529	\$ 2,214
L-3	7,543	6,228	4,913	3,598
LT-4(65)	6,920	5,605	4,290	2,976
LT-5(65)	8,096	6,782	5,467	4,152
L-7	8,927	7,612	6,297	4,982
LT-8(65)	9,204	7,889	6,574	5,259
L-12	10,311	8,996	7,681	6,366
LT-14(65)	10,449	9,134	7,820	6,505
L-6	11,626	10,311	8,996	7,681

Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 6,020	\$ 4,706	\$ 3,391	\$ 2,076
L-3	7,335	6,020	4,706	3,391
LT-4(65)	6,851	5,536	4,221	2,906
LT-5(65)	8,027	6,712	5,398	4,083
L-7	8,788	7,474	6,159	4,844
LT-8(65)	9,134	7,820	6,505	5,190
L-12	10,103	8,788	7,474	6,159
LT-14(65)	10,242	8,927	7,612	6,297
L-6	11,487	10,172	8,858	7,543

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 6,228	\$ 4,913	\$ 3,598	\$ 2,284
L-3	7,681	6,366	5,052	3,737
LT-4(65)	7,058	5,744	4,429	3,114
LT-5(65)	8,235	6,920	5,605	4,290
L-7	8,996	7,681	6,366	5,052
LT-8(65)	9,411	8,096	6,782	5,467
L-12	10,449	9,134	7,820	6,505
LT-14(65)	10,657	9,342	8,027	6,712
L-6	11,833	10,518	9,204	7,889

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

City of Viburnum

Employees and Payroll Included in the Valuation

	General	Police
Number of Employees	3	2
Annual Payroll	\$ 97,760	\$ 69,200

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:

City of Viburnum

Regular Retirement Eligibility

Benefit Group	Employee Group	Member Contribution Rate - 0%	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 10,633	\$ 11,025
	Police	6,990	7,218
L-3	General	13,272	13,785
	Police	8,727	9,014
LT-4(65)	General	11,527	11,968
	Police	7,588	7,822
LT-5(65)	General	13,920	14,477
	Police	9,173	9,473
L-7	General	15,902	16,525
	Police	10,482	10,813
LT-8(65)	General	16,367	17,008
	Police	10,777	11,127
L-12	General	18,597	19,281
	Police	12,231	12,631
LT-14(65)	General	18,828	19,524
	Police	12,374	12,776
L-6	General	21,225	22,039
	Police	13,968	14,438

City of Viburnum

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	General	\$ 12,761	\$ 13,280
	Police	6,985	7,220
L-3	General	15,952	16,589
	Police	8,732	9,019
LT-4(65)	General	16,618	17,285
	Police	7,577	7,820
LT-5(65)	General	18,842	19,594
	Police	9,168	9,481
L-7	General	19,156	19,902
	Police	10,486	10,815
LT-8(65)	General	21,089	21,905
	Police	10,787	11,119
L-12	General	22,339	23,220
	Police	12,223	12,627
LT-14(65)	General	23,307	24,226
	Police	12,379	12,783
L-6	General	25,528	26,540
	Police	13,978	14,429

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, 2022

(Section references are to RSMo)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX IV

BENEFIT ILLUSTRATIONS

Missouri LAGERS

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated	
			Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 525	\$ 936	\$1,461	97%
2,000	700	1,073	1,773	89%
2,500	875	1,208	2,083	83%
3,000	1,050	1,343	2,393	80%
3,500	1,225	1,480	2,705	77%
4,000	1,400	1,614	3,014	75%
25 Years of Service:				
\$1,500	\$ 375	\$ 936	\$1,311	87%
2,000	500	1,073	1,573	79%
2,500	625	1,208	1,833	73%
3,000	750	1,343	2,093	70%
3,500	875	1,480	2,355	67%
4,000	1,000	1,614	2,614	65%
15 Years of Service:				
\$1,500	\$225	\$ 936	\$1,161	77%
2,000	300	1,073	1,373	69%
2,500	375	1,208	1,583	63%
3,000	450	1,343	1,793	60%
3,500	525	1,480	2,005	57%
4,000	600	1,614	2,214	55%

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2022 - it does not include any amounts which might be payable to an eligible spouse or children.

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

Missouri LAGERS

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

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

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2022 - it does not include any amounts which might be payable to an eligible spouse or children.

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

Missouri LAGERS

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

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

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2022 - it does not include any amounts which might be payable to an eligible spouse or children.

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

Missouri LAGERS

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

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

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2022 - it does not include any amounts which might be payable to an eligible spouse or children.

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

Missouri LAGERS

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

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

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2022 - it does not include any amounts which might be payable to an eligible spouse or children.

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

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(LT-4(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.00% of FAS ¹ at age 65)

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

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2022 - it does not include any amounts which might be payable to an eligible spouse or children.

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

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(LT-5(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.25% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 656	\$ 936	\$1,050	\$1,592	70%	106%
2,000	1,400	875	1,073	1,400	1,948	70%	97%
2,500	1,750	1,094	1,208	1,750	2,302	70%	92%
3,000	2,100	1,313	1,343	2,100	2,656	70%	89%
3,500	2,450	1,531	1,480	2,450	3,011	70%	86%
4,000	2,800	1,750	1,614	2,800	3,364	70%	84%
25 Years of Service:							
\$1,500	\$ 750	\$ 469	\$ 936	\$ 750	\$1,405	50%	94%
2,000	1,000	625	1,073	1,000	1,698	50%	85%
2,500	1,250	781	1,208	1,250	1,989	50%	80%
3,000	1,500	938	1,343	1,500	2,281	50%	76%
3,500	1,750	1,094	1,480	1,750	2,574	50%	74%
4,000	2,000	1,250	1,614	2,000	2,864	50%	72%
15 Years of Service:							
\$1,500	\$ 450	\$281	\$ 936	\$ 450	\$1,217	30%	81%
2,000	600	375	1,073	600	1,448	30%	72%
2,500	750	469	1,208	750	1,677	30%	67%
3,000	900	563	1,343	900	1,906	30%	64%
3,500	1,050	656	1,480	1,050	2,136	30%	61%
4,000	1,200	750	1,614	1,200	2,364	30%	59%

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2022 - it does not include any amounts which might be payable to an eligible spouse or children.

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

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(LT-8(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.50% of FAS ¹ at age 65)

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

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2022 - it does not include any amounts which might be payable to an eligible spouse or children.

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

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(LT-14(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.75% of FAS ¹ at age 65)

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

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2022 - it does not include any amounts which might be payable to an eligible spouse or children.

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

APPENDIX V

AGE AND SERVICE CHARACTERISTICS OF EMPLOYEES

City of Viburnum - General

October 31, 2022

By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
Under 20									
20-24	1							1	\$ 35,360
25-29									
30-34	1							1	\$ 31,200
35-39									
40-44									
45-49									
50-54									
55-59	1							1	\$ 31,200
60-64									
65-69									
70 & Over									
Totals	3							3	\$ 97,760

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

Age: 37.7 years.

Benefit Service: 1.7 years.

Annual Pay: \$32,587.

City of Viburnum - Police

October 31, 2022

By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
Under 20									
20-24									
25-29	1							1	\$ 31,200
30-34									
35-39									
40-44									
45-49									
50-54									
55-59	1							1	\$ 38,000
60-64									
65-69									
70 & Over									
Totals	2							2	\$ 69,200

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

Age: 42.4 years.

Benefit Service: 1.1 years.

Annual Pay: \$34,600.

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.



December 14, 2022 E-mail

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

Dear Bob:

Enclosed is the report of the October 31, 2022 Initial Actuarial Valuation of LAGERS benefits for the employees of

City of Viburnum

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



December 14, 2022

City of Viburnum
Viburnum, 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 October 31, 2022 Initial Valuation for the City of Viburnum dated December 14, 2022.

The actuarial assumptions and methods used to determine the stated costs are described in Appendix II of the Initial Valuation Report. In our opinion, they do produce results which, in the aggregate, are reasonable. Additional miscellaneous and technical assumptions as well as disclosures required by the actuarial standards of practice may be found in the LAGERS Compiled Annual Actuarial Valuation report as of February 28, 2022. The unfunded actuarial accrued liability shown for each member contribution rate option is based on the 0% member contribution rate plan.

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

Respectfully submitted,
Gabriel, Roeder, Smith & Company

A handwritten signature in black ink that reads "Mita Drazilov". The signature is fluid and cursive, with the first name "Mita" and last name "Drazilov" clearly distinguishable.

Mita D. Drazilov, ASA, FCA, MAAA

City of Viburnum - General

Employer Contribution Rates (0% Member Contribution Rate, 5 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	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
2022	\$ 97,760	6.9%	\$6,745	\$ 10,633	8.5%	\$8,310	\$ 13,272	7.5%	\$7,332	\$ 11,527
2023	100,448	6.9	6,931	10,735	8.5	8,538	13,399	7.5	7,534	11,638
2024	103,210	6.9	7,121	10,826	8.5	8,773	13,513	7.5	7,741	11,737
2025	106,048	6.9	7,317	10,906	8.5	9,014	13,613	7.5	7,954	11,823
2026	108,964	6.9	7,519	10,973	8.5	9,262	13,696	7.5	8,172	11,895
2027	111,961	6.9	7,725	11,025	8.5	9,517	13,761	7.5	8,397	11,952
2028	115,040	6.9	7,938	11,061	8.5	9,778	13,806	7.5	8,628	11,991
2029	118,204	6.9	8,156	11,079	8.5	10,047	13,829	7.5	8,865	12,011
2030	121,455	6.9	8,380	11,078	8.5	10,324	13,828	7.5	9,109	12,010
2031	124,795	6.9	8,611	11,056	8.5	10,608	13,800	7.5	9,360	11,986

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
2022	\$ 97,760	8.9%	\$8,701	\$ 13,920	10.0%	\$9,776	\$ 15,902	10.3%	\$10,069	\$ 16,367
2023	100,448	8.9	8,940	14,054	10.0	10,045	16,055	10.3	10,346	16,524
2024	103,210	8.9	9,186	14,174	10.0	10,321	16,192	10.3	10,631	16,665
2025	106,048	8.9	9,438	14,278	10.0	10,605	16,311	10.3	10,923	16,788
2026	108,964	8.9	9,698	14,365	10.0	10,896	16,411	10.3	11,223	16,891
2027	111,961	8.9	9,965	14,433	10.0	11,196	16,489	10.3	11,532	16,971
2028	115,040	8.9	10,239	14,480	10.0	11,504	16,543	10.3	11,849	17,027
2029	118,204	8.9	10,520	14,504	10.0	11,820	16,571	10.3	12,175	17,055
2030	121,455	8.9	10,809	14,503	10.0	12,146	16,569	10.3	12,510	17,053
2031	124,795	8.9	11,107	14,474	10.0	12,480	16,535	10.3	12,854	17,018

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
2022	\$ 97,760	11.6%	\$11,340	\$ 18,597	11.7%	\$11,438	\$ 18,828	13.2%	\$12,904	\$ 21,225
2023	100,448	11.6	11,652	18,775	11.7	11,752	19,009	13.2	13,259	21,429
2024	103,210	11.6	11,972	18,935	11.7	12,076	19,171	13.2	13,624	21,612
2025	106,048	11.6	12,302	19,074	11.7	12,408	19,312	13.2	13,998	21,771
2026	108,964	11.6	12,640	19,191	11.7	12,749	19,430	13.2	14,383	21,904
2027	111,961	11.6	12,987	19,282	11.7	13,099	19,522	13.2	14,779	22,008
2028	115,040	11.6	13,345	19,345	11.7	13,460	19,586	13.2	15,185	22,080
2029	118,204	11.6	13,712	19,377	11.7	13,830	19,619	13.2	15,603	22,117
2030	121,455	11.6	14,089	19,375	11.7	14,210	19,617	13.2	16,032	22,115
2031	124,795	11.6	14,476	19,336	11.7	14,601	19,577	13.2	16,473	22,070

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.

City of Viburnum - General

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	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
2022	\$ 97,760	5.0%	\$4,888	\$ 10,633	6.6%	\$6,452	\$ 13,272	5.6%	\$5,475	\$ 11,527
2023	100,448	5.0	5,022	10,735	6.6	6,630	13,399	5.6	5,625	11,638
2024	103,210	5.0	5,161	10,826	6.6	6,812	13,513	5.6	5,780	11,737
2025	106,048	5.0	5,302	10,906	6.6	6,999	13,613	5.6	5,939	11,823
2026	108,964	5.0	5,448	10,973	6.6	7,192	13,696	5.6	6,102	11,895
2027	111,961	5.0	5,598	11,025	6.6	7,389	13,761	5.6	6,270	11,952
2028	115,040	5.0	5,752	11,061	6.6	7,593	13,806	5.6	6,442	11,991
2029	118,204	5.0	5,910	11,079	6.6	7,801	13,829	5.6	6,619	12,011
2030	121,455	5.0	6,073	11,078	6.6	8,016	13,828	5.6	6,801	12,010
2031	124,795	5.0	6,240	11,056	6.6	8,236	13,800	5.6	6,989	11,986

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
2022	\$ 97,760	7.0%	\$6,843	\$ 13,920	8.1%	\$7,919	\$ 15,902	8.4%	\$8,212	\$ 16,367
2023	100,448	7.0	7,031	14,054	8.1	8,136	16,055	8.4	8,438	16,524
2024	103,210	7.0	7,225	14,174	8.1	8,360	16,192	8.4	8,670	16,665
2025	106,048	7.0	7,423	14,278	8.1	8,590	16,311	8.4	8,908	16,788
2026	108,964	7.0	7,627	14,365	8.1	8,826	16,411	8.4	9,153	16,891
2027	111,961	7.0	7,837	14,433	8.1	9,069	16,489	8.4	9,405	16,971
2028	115,040	7.0	8,053	14,480	8.1	9,318	16,543	8.4	9,663	17,027
2029	118,204	7.0	8,274	14,504	8.1	9,575	16,571	8.4	9,929	17,055
2030	121,455	7.0	8,502	14,503	8.1	9,838	16,569	8.4	10,202	17,053
2031	124,795	7.0	8,736	14,474	8.1	10,108	16,535	8.4	10,483	17,018

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
2022	\$ 97,760	9.7%	\$9,483	\$ 18,597	9.8%	\$9,580	\$ 18,828	11.3%	\$11,047	\$ 21,225
2023	100,448	9.7	9,743	18,775	9.8	9,844	19,009	11.3	11,351	21,429
2024	103,210	9.7	10,011	18,935	9.8	10,115	19,171	11.3	11,663	21,612
2025	106,048	9.7	10,287	19,074	9.8	10,393	19,312	11.3	11,983	21,771
2026	108,964	9.7	10,570	19,191	9.8	10,678	19,430	11.3	12,313	21,904
2027	111,961	9.7	10,860	19,282	9.8	10,972	19,522	11.3	12,652	22,008
2028	115,040	9.7	11,159	19,345	9.8	11,274	19,586	11.3	13,000	22,080
2029	118,204	9.7	11,466	19,377	9.8	11,584	19,619	11.3	13,357	22,117
2030	121,455	9.7	11,781	19,375	9.8	11,903	19,617	11.3	13,724	22,115
2031	124,795	9.7	12,105	19,336	9.8	12,230	19,577	11.3	14,102	22,070

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.

City of Viburnum - General

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	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2022	\$ 97,760	3.1%	\$3,031	\$ 10,633	4.7%	\$4,595	\$ 13,272	3.7%	\$3,617	\$ 11,527
2023	100,448	3.1	3,114	10,735	4.7	4,721	13,399	3.7	3,717	11,638
2024	103,210	3.1	3,200	10,826	4.7	4,851	13,513	3.7	3,819	11,737
2025	106,048	3.1	3,287	10,906	4.7	4,984	13,613	3.7	3,924	11,823
2026	108,964	3.1	3,378	10,973	4.7	5,121	13,696	3.7	4,032	11,895
2027	111,961	3.1	3,471	11,025	4.7	5,262	13,761	3.7	4,143	11,952
2028	115,040	3.1	3,566	11,061	4.7	5,407	13,806	3.7	4,256	11,991
2029	118,204	3.1	3,664	11,079	4.7	5,556	13,829	3.7	4,374	12,011
2030	121,455	3.1	3,765	11,078	4.7	5,708	13,828	3.7	4,494	12,010
2031	124,795	3.1	3,869	11,056	4.7	5,865	13,800	3.7	4,617	11,986

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 97,760	5.1%	\$4,986	\$ 13,920	6.2%	\$6,061	\$ 15,902	6.5%	\$6,354	\$ 16,367
2023	100,448	5.1	5,123	14,054	6.2	6,228	16,055	6.5	6,529	16,524
2024	103,210	5.1	5,264	14,174	6.2	6,399	16,192	6.5	6,709	16,665
2025	106,048	5.1	5,408	14,278	6.2	6,575	16,311	6.5	6,893	16,788
2026	108,964	5.1	5,557	14,365	6.2	6,756	16,411	6.5	7,083	16,891
2027	111,961	5.1	5,710	14,433	6.2	6,942	16,489	6.5	7,277	16,971
2028	115,040	5.1	5,867	14,480	6.2	7,132	16,543	6.5	7,478	17,027
2029	118,204	5.1	6,028	14,504	6.2	7,329	16,571	6.5	7,683	17,055
2030	121,455	5.1	6,194	14,503	6.2	7,530	16,569	6.5	7,895	17,053
2031	124,795	5.1	6,365	14,474	6.2	7,737	16,535	6.5	8,112	17,018

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 97,760	7.8%	\$7,625	\$ 18,597	7.9%	\$7,723	\$ 18,828	9.4%	\$9,189	\$ 21,225
2023	100,448	7.8	7,835	18,775	7.9	7,935	19,009	9.4	9,442	21,429
2024	103,210	7.8	8,050	18,935	7.9	8,154	19,171	9.4	9,702	21,612
2025	106,048	7.8	8,272	19,074	7.9	8,378	19,312	9.4	9,969	21,771
2026	108,964	7.8	8,499	19,191	7.9	8,608	19,430	9.4	10,243	21,904
2027	111,961	7.8	8,733	19,282	7.9	8,845	19,522	9.4	10,524	22,008
2028	115,040	7.8	8,973	19,345	7.9	9,088	19,586	9.4	10,814	22,080
2029	118,204	7.8	9,220	19,377	7.9	9,338	19,619	9.4	11,111	22,117
2030	121,455	7.8	9,473	19,375	7.9	9,595	19,617	9.4	11,417	22,115
2031	124,795	7.8	9,734	19,336	7.9	9,859	19,577	9.4	11,731	22,070

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.

City of Viburnum - General

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

Regular Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
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	
2022	\$ 97,760	1.2%	\$1,173	\$ 10,633	2.8%	\$2,737	\$ 13,272	1.8%	\$1,760	\$ 11,527
2023	100,448	1.2	1,205	10,735	2.8	2,813	13,399	1.8	1,808	11,638
2024	103,210	1.2	1,239	10,826	2.8	2,890	13,513	1.8	1,858	11,737
2025	106,048	1.2	1,273	10,906	2.8	2,969	13,613	1.8	1,909	11,823
2026	108,964	1.2	1,308	10,973	2.8	3,051	13,696	1.8	1,961	11,895
2027	111,961	1.2	1,344	11,025	2.8	3,135	13,761	1.8	2,015	11,952
2028	115,040	1.2	1,380	11,061	2.8	3,221	13,806	1.8	2,071	11,991
2029	118,204	1.2	1,418	11,079	2.8	3,310	13,829	1.8	2,128	12,011
2030	121,455	1.2	1,457	11,078	2.8	3,401	13,828	1.8	2,186	12,010
2031	124,795	1.2	1,498	11,056	2.8	3,494	13,800	1.8	2,246	11,986

		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	
2022	\$ 97,760	3.2%	\$3,128	\$ 13,920	4.3%	\$4,204	\$ 15,902	4.6%	\$4,497	\$ 16,367
2023	100,448	3.2	3,214	14,054	4.3	4,319	16,055	4.6	4,621	16,524
2024	103,210	3.2	3,303	14,174	4.3	4,438	16,192	4.6	4,748	16,665
2025	106,048	3.2	3,394	14,278	4.3	4,560	16,311	4.6	4,878	16,788
2026	108,964	3.2	3,487	14,365	4.3	4,685	16,411	4.6	5,012	16,891
2027	111,961	3.2	3,583	14,433	4.3	4,814	16,489	4.6	5,150	16,971
2028	115,040	3.2	3,681	14,480	4.3	4,947	16,543	4.6	5,292	17,027
2029	118,204	3.2	3,783	14,504	4.3	5,083	16,571	4.6	5,437	17,055
2030	121,455	3.2	3,887	14,503	4.3	5,223	16,569	4.6	5,587	17,053
2031	124,795	3.2	3,993	14,474	4.3	5,366	16,535	4.6	5,741	17,018

		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	
2022	\$ 97,760	5.9%	\$5,768	\$ 18,597	6.0%	\$5,866	\$ 18,828	7.5%	\$7,332	\$ 21,225
2023	100,448	5.9	5,926	18,775	6.0	6,027	19,009	7.5	7,534	21,429
2024	103,210	5.9	6,089	18,935	6.0	6,193	19,171	7.5	7,741	21,612
2025	106,048	5.9	6,257	19,074	6.0	6,363	19,312	7.5	7,954	21,771
2026	108,964	5.9	6,429	19,191	6.0	6,538	19,430	7.5	8,172	21,904
2027	111,961	5.9	6,606	19,282	6.0	6,718	19,522	7.5	8,397	22,008
2028	115,040	5.9	6,787	19,345	6.0	6,902	19,586	7.5	8,628	22,080
2029	118,204	5.9	6,974	19,377	6.0	7,092	19,619	7.5	8,865	22,117
2030	121,455	5.9	7,166	19,375	6.0	7,287	19,617	7.5	9,109	22,115
2031	124,795	5.9	7,363	19,336	6.0	7,488	19,577	7.5	9,360	22,070

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.

City of Viburnum - General

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	
2022	\$ 97,760	7.2%	\$7,039	\$ 11,025	8.8%	\$8,603	\$ 13,785	7.6%	\$7,430	\$ 11,968
2023	100,448	7.2	7,232	11,131	8.8	8,839	13,917	7.6	7,634	12,083
2024	103,210	7.2	7,431	11,226	8.8	9,082	14,036	7.6	7,844	12,186
2025	106,048	7.2	7,635	11,309	8.8	9,332	14,139	7.6	8,060	12,276
2026	108,964	7.2	7,845	11,378	8.8	9,589	14,225	7.6	8,281	12,351
2027	111,961	7.2	8,061	11,432	8.8	9,853	14,293	7.6	8,509	12,410
2028	115,040	7.2	8,283	11,469	8.8	10,124	14,340	7.6	8,743	12,451
2029	118,204	7.2	8,511	11,488	8.8	10,402	14,364	7.6	8,984	12,472
2030	121,455	7.2	8,745	11,487	8.8	10,688	14,363	7.6	9,231	12,471
2031	124,795	7.2	8,985	11,464	8.8	10,982	14,334	7.6	9,484	12,446

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	\$ 97,760	9.2%	\$8,994	\$ 14,477	10.3%	\$10,069	\$ 16,525	10.5%	\$10,265	\$ 17,008
2023	100,448	9.2	9,241	14,616	10.3	10,346	16,684	10.5	10,547	17,171
2024	103,210	9.2	9,495	14,741	10.3	10,631	16,826	10.5	10,837	17,317
2025	106,048	9.2	9,756	14,850	10.3	10,923	16,950	10.5	11,135	17,445
2026	108,964	9.2	10,025	14,941	10.3	11,223	17,054	10.5	11,441	17,552
2027	111,961	9.2	10,300	15,012	10.3	11,532	17,135	10.5	11,756	17,635
2028	115,040	9.2	10,584	15,061	10.3	11,849	17,191	10.5	12,079	17,693
2029	118,204	9.2	10,875	15,086	10.3	12,175	17,220	10.5	12,411	17,722
2030	121,455	9.2	11,174	15,085	10.3	12,510	17,218	10.5	12,753	17,720
2031	124,795	9.2	11,481	15,054	10.3	12,854	17,183	10.5	13,103	17,684

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	
2022	\$ 97,760	12.0%	\$11,731	\$ 19,281	12.1%	\$11,829	\$ 19,524	13.5%	\$13,198	\$ 22,039
2023	100,448	12.0	12,054	19,466	12.1	12,154	19,711	13.5	13,560	22,250
2024	103,210	12.0	12,385	19,632	12.1	12,488	19,879	13.5	13,933	22,440
2025	106,048	12.0	12,726	19,777	12.1	12,832	20,025	13.5	14,316	22,605
2026	108,964	12.0	13,076	19,898	12.1	13,185	20,147	13.5	14,710	22,743
2027	111,961	12.0	13,435	19,993	12.1	13,547	20,243	13.5	15,115	22,851
2028	115,040	12.0	13,805	20,059	12.1	13,920	20,309	13.5	15,530	22,926
2029	118,204	12.0	14,184	20,092	12.1	14,303	20,343	13.5	15,958	22,964
2030	121,455	12.0	14,575	20,090	12.1	14,696	20,341	13.5	16,396	22,962
2031	124,795	12.0	14,975	20,049	12.1	15,100	20,300	13.5	16,847	22,915

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.

City of Viburnum - General

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 %	Annual		As a %	Annual		As a %	Annual	
		of Payroll	Dollars		of Payroll	Dollars		of Payroll	Dollars	
2022	\$ 97,760	5.3%	\$5,181	\$ 11,025	6.9%	\$6,745	\$ 13,785	5.7%	\$5,572	\$ 11,968
2023	100,448	5.3	5,324	11,131	6.9	6,931	13,917	5.7	5,726	12,083
2024	103,210	5.3	5,470	11,226	6.9	7,121	14,036	5.7	5,883	12,186
2025	106,048	5.3	5,621	11,309	6.9	7,317	14,139	5.7	6,045	12,276
2026	108,964	5.3	5,775	11,378	6.9	7,519	14,225	5.7	6,211	12,351
2027	111,961	5.3	5,934	11,432	6.9	7,725	14,293	5.7	6,382	12,410
2028	115,040	5.3	6,097	11,469	6.9	7,938	14,340	5.7	6,557	12,451
2029	118,204	5.3	6,265	11,488	6.9	8,156	14,364	5.7	6,738	12,472
2030	121,455	5.3	6,437	11,487	6.9	8,380	14,363	5.7	6,923	12,471
2031	124,795	5.3	6,614	11,464	6.9	8,611	14,334	5.7	7,113	12,446

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	Annual		As a % of	Annual		As a % of	Annual	
		Payroll	Dollars		Payroll	Dollars		Payroll	Dollars	
2022	\$ 97,760	7.3%	\$7,136	\$ 14,477	8.4%	\$8,212	\$ 16,525	8.6%	\$8,407	\$ 17,008
2023	100,448	7.3	7,333	14,616	8.4	8,438	16,684	8.6	8,639	17,171
2024	103,210	7.3	7,534	14,741	8.4	8,670	16,826	8.6	8,876	17,317
2025	106,048	7.3	7,742	14,850	8.4	8,908	16,950	8.6	9,120	17,445
2026	108,964	7.3	7,954	14,941	8.4	9,153	17,054	8.6	9,371	17,552
2027	111,961	7.3	8,173	15,012	8.4	9,405	17,135	8.6	9,629	17,635
2028	115,040	7.3	8,398	15,061	8.4	9,663	17,191	8.6	9,893	17,693
2029	118,204	7.3	8,629	15,086	8.4	9,929	17,220	8.6	10,166	17,722
2030	121,455	7.3	8,866	15,085	8.4	10,202	17,218	8.6	10,445	17,720
2031	124,795	7.3	9,110	15,054	8.4	10,483	17,183	8.6	10,732	17,684

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	Annual		As a % of	Annual		As a % of	Annual	
		Payroll	Dollars		Payroll	Dollars		Payroll	Dollars	
2022	\$ 97,760	10.1%	\$9,874	\$ 19,281	10.2%	\$9,972	\$ 19,524	11.6%	\$11,340	\$ 22,039
2023	100,448	10.1	10,145	19,466	10.2	10,246	19,711	11.6	11,652	22,250
2024	103,210	10.1	10,424	19,632	10.2	10,527	19,879	11.6	11,972	22,440
2025	106,048	10.1	10,711	19,777	10.2	10,817	20,025	11.6	12,302	22,605
2026	108,964	10.1	11,005	19,898	10.2	11,114	20,147	11.6	12,640	22,743
2027	111,961	10.1	11,308	19,993	10.2	11,420	20,243	11.6	12,987	22,851
2028	115,040	10.1	11,619	20,059	10.2	11,734	20,309	11.6	13,345	22,926
2029	118,204	10.1	11,939	20,092	10.2	12,057	20,343	11.6	13,712	22,964
2030	121,455	10.1	12,267	20,090	10.2	12,388	20,341	11.6	14,089	22,962
2031	124,795	10.1	12,604	20,049	10.2	12,729	20,300	11.6	14,476	22,915

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.

City of Viburnum - General

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	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
2022	\$ 97,760	3.4%	\$3,324	\$ 11,025	5.0%	\$4,888	\$ 13,785	3.8%	\$3,715	\$ 11,968
2023	100,448	3.4	3,415	11,131	5.0	5,022	13,917	3.8	3,817	12,083
2024	103,210	3.4	3,509	11,226	5.0	5,161	14,036	3.8	3,922	12,186
2025	106,048	3.4	3,606	11,309	5.0	5,302	14,139	3.8	4,030	12,276
2026	108,964	3.4	3,705	11,378	5.0	5,448	14,225	3.8	4,141	12,351
2027	111,961	3.4	3,807	11,432	5.0	5,598	14,293	3.8	4,255	12,410
2028	115,040	3.4	3,911	11,469	5.0	5,752	14,340	3.8	4,372	12,451
2029	118,204	3.4	4,019	11,488	5.0	5,910	14,364	3.8	4,492	12,472
2030	121,455	3.4	4,129	11,487	5.0	6,073	14,363	3.8	4,615	12,471
2031	124,795	3.4	4,243	11,464	5.0	6,240	14,334	3.8	4,742	12,446

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
2022	\$ 97,760	5.4%	\$5,279	\$ 14,477	6.5%	\$6,354	\$ 16,525	6.7%	\$6,550	\$ 17,008
2023	100,448	5.4	5,424	14,616	6.5	6,529	16,684	6.7	6,730	17,171
2024	103,210	5.4	5,573	14,741	6.5	6,709	16,826	6.7	6,915	17,317
2025	106,048	5.4	5,727	14,850	6.5	6,893	16,950	6.7	7,105	17,445
2026	108,964	5.4	5,884	14,941	6.5	7,083	17,054	6.7	7,301	17,552
2027	111,961	5.4	6,046	15,012	6.5	7,277	17,135	6.7	7,501	17,635
2028	115,040	5.4	6,212	15,061	6.5	7,478	17,191	6.7	7,708	17,693
2029	118,204	5.4	6,383	15,086	6.5	7,683	17,220	6.7	7,920	17,722
2030	121,455	5.4	6,559	15,085	6.5	7,895	17,218	6.7	8,137	17,720
2031	124,795	5.4	6,739	15,054	6.5	8,112	17,183	6.7	8,361	17,684

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
2022	\$ 97,760	8.2%	\$8,016	\$ 19,281	8.3%	\$8,114	\$ 19,524	9.7%	\$9,483	\$ 22,039
2023	100,448	8.2	8,237	19,466	8.3	8,337	19,711	9.7	9,743	22,250
2024	103,210	8.2	8,463	19,632	8.3	8,566	19,879	9.7	10,011	22,440
2025	106,048	8.2	8,696	19,777	8.3	8,802	20,025	9.7	10,287	22,605
2026	108,964	8.2	8,935	19,898	8.3	9,044	20,147	9.7	10,570	22,743
2027	111,961	8.2	9,181	19,993	8.3	9,293	20,243	9.7	10,860	22,851
2028	115,040	8.2	9,433	20,059	8.3	9,548	20,309	9.7	11,159	22,926
2029	118,204	8.2	9,693	20,092	8.3	9,811	20,343	9.7	11,466	22,964
2030	121,455	8.2	9,959	20,090	8.3	10,081	20,341	9.7	11,781	22,962
2031	124,795	8.2	10,233	20,049	8.3	10,358	20,300	9.7	12,105	22,915

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.

City of Viburnum - General

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	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2022	\$ 97,760	1.5%	\$1,466	\$ 11,025	3.1%	\$3,031	\$ 13,785	1.9%	\$1,857	\$ 11,968
2023	100,448	1.5	1,507	11,131	3.1	3,114	13,917	1.9	1,909	12,083
2024	103,210	1.5	1,548	11,226	3.1	3,200	14,036	1.9	1,961	12,186
2025	106,048	1.5	1,591	11,309	3.1	3,287	14,139	1.9	2,015	12,276
2026	108,964	1.5	1,634	11,378	3.1	3,378	14,225	1.9	2,070	12,351
2027	111,961	1.5	1,679	11,432	3.1	3,471	14,293	1.9	2,127	12,410
2028	115,040	1.5	1,726	11,469	3.1	3,566	14,340	1.9	2,186	12,451
2029	118,204	1.5	1,773	11,488	3.1	3,664	14,364	1.9	2,246	12,472
2030	121,455	1.5	1,822	11,487	3.1	3,765	14,363	1.9	2,308	12,471
2031	124,795	1.5	1,872	11,464	3.1	3,869	14,334	1.9	2,371	12,446

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 97,760	3.5%	\$3,422	\$ 14,477	4.6%	\$4,497	\$ 16,525	4.8%	\$4,692	\$ 17,008
2023	100,448	3.5	3,516	14,616	4.6	4,621	16,684	4.8	4,822	17,171
2024	103,210	3.5	3,612	14,741	4.6	4,748	16,826	4.8	4,954	17,317
2025	106,048	3.5	3,712	14,850	4.6	4,878	16,950	4.8	5,090	17,445
2026	108,964	3.5	3,814	14,941	4.6	5,012	17,054	4.8	5,230	17,552
2027	111,961	3.5	3,919	15,012	4.6	5,150	17,135	4.8	5,374	17,635
2028	115,040	3.5	4,026	15,061	4.6	5,292	17,191	4.8	5,522	17,693
2029	118,204	3.5	4,137	15,086	4.6	5,437	17,220	4.8	5,674	17,722
2030	121,455	3.5	4,251	15,085	4.6	5,587	17,218	4.8	5,830	17,720
2031	124,795	3.5	4,368	15,054	4.6	5,741	17,183	4.8	5,990	17,684

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 97,760	6.3%	\$6,159	\$ 19,281	6.4%	\$6,257	\$ 19,524	7.8%	\$7,625	\$ 22,039
2023	100,448	6.3	6,328	19,466	6.4	6,429	19,711	7.8	7,835	22,250
2024	103,210	6.3	6,502	19,632	6.4	6,605	19,879	7.8	8,050	22,440
2025	106,048	6.3	6,681	19,777	6.4	6,787	20,025	7.8	8,272	22,605
2026	108,964	6.3	6,865	19,898	6.4	6,974	20,147	7.8	8,499	22,743
2027	111,961	6.3	7,054	19,993	6.4	7,166	20,243	7.8	8,733	22,851
2028	115,040	6.3	7,248	20,059	6.4	7,363	20,309	7.8	8,973	22,926
2029	118,204	6.3	7,447	20,092	6.4	7,565	20,343	7.8	9,220	22,964
2030	121,455	6.3	7,652	20,090	6.4	7,773	20,341	7.8	9,473	22,962
2031	124,795	6.3	7,862	20,049	6.4	7,987	20,300	7.8	9,734	22,915

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.

City of Viburnum - General

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

Rule of 80 Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
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	
2022	\$ 97,760	7.7%	\$7,528	\$ 12,761	9.5%	\$9,287	\$ 15,952	9.2%	\$8,994	\$ 16,618
2023	100,448	7.7	7,734	12,883	9.5	9,543	16,105	9.2	9,241	16,777
2024	103,210	7.7	7,947	12,993	9.5	9,805	16,242	9.2	9,495	16,920
2025	106,048	7.7	8,166	13,089	9.5	10,075	16,362	9.2	9,756	17,045
2026	108,964	7.7	8,390	13,169	9.5	10,352	16,462	9.2	10,025	17,149
2027	111,961	7.7	8,621	13,232	9.5	10,636	16,540	9.2	10,300	17,231
2028	115,040	7.7	8,858	13,275	9.5	10,929	16,594	9.2	10,584	17,287
2029	118,204	7.7	9,102	13,297	9.5	11,229	16,622	9.2	10,875	17,316
2030	121,455	7.7	9,352	13,296	9.5	11,538	16,620	9.2	11,174	17,314
2031	124,795	7.7	9,609	13,269	9.5	11,856	16,586	9.2	11,481	17,279

		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	
2022	\$ 97,760	10.5%	\$10,265	\$ 18,842	11.1%	\$10,851	\$ 19,156	11.9%	\$11,633	\$ 21,089
2023	100,448	10.5	10,547	19,023	11.1	11,150	19,340	11.9	11,953	21,291
2024	103,210	10.5	10,837	19,185	11.1	11,456	19,505	11.9	12,282	21,472
2025	106,048	10.5	11,135	19,326	11.1	11,771	19,649	11.9	12,620	21,630
2026	108,964	10.5	11,441	19,444	11.1	12,095	19,769	11.9	12,967	21,762
2027	111,961	10.5	11,756	19,536	11.1	12,428	19,863	11.9	13,323	21,865
2028	115,040	10.5	12,079	19,600	11.1	12,769	19,928	11.9	13,690	21,937
2029	118,204	10.5	12,411	19,633	11.1	13,121	19,961	11.9	14,066	21,974
2030	121,455	10.5	12,753	19,631	11.1	13,482	19,959	11.9	14,453	21,972
2031	124,795	10.5	13,103	19,591	11.1	13,852	19,918	11.9	14,851	21,927

		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	
2022	\$ 97,760	12.8%	\$12,513	\$ 22,339	13.2%	\$12,904	\$ 23,307	14.6%	\$14,273	\$ 25,528
2023	100,448	12.8	12,857	22,553	13.2	13,259	23,531	14.6	14,665	25,773
2024	103,210	12.8	13,211	22,745	13.2	13,624	23,732	14.6	15,069	25,993
2025	106,048	12.8	13,574	22,912	13.2	13,998	23,907	14.6	15,483	26,184
2026	108,964	12.8	13,947	23,052	13.2	14,383	24,053	14.6	15,909	26,344
2027	111,961	12.8	14,331	23,162	13.2	14,779	24,167	14.6	16,346	26,469
2028	115,040	12.8	14,725	23,238	13.2	15,185	24,246	14.6	16,796	26,556
2029	118,204	12.8	15,130	23,277	13.2	15,603	24,286	14.6	17,258	26,600
2030	121,455	12.8	15,546	23,275	13.2	16,032	24,284	14.6	17,732	26,597
2031	124,795	12.8	15,974	23,228	13.2	16,473	24,235	14.6	18,220	26,543

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.

City of Viburnum - General

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 %	Annual		As a %	Annual		As a %	Annual	
		of Payroll	Dollars		of Payroll	Dollars		of Payroll	Dollars	
2022	\$ 97,760	5.8%	\$5,670	\$ 12,761	7.6%	\$7,430	\$ 15,952	7.3%	\$7,136	\$ 16,618
2023	100,448	5.8	5,826	12,883	7.6	7,634	16,105	7.3	7,333	16,777
2024	103,210	5.8	5,986	12,993	7.6	7,844	16,242	7.3	7,534	16,920
2025	106,048	5.8	6,151	13,089	7.6	8,060	16,362	7.3	7,742	17,045
2026	108,964	5.8	6,320	13,169	7.6	8,281	16,462	7.3	7,954	17,149
2027	111,961	5.8	6,494	13,232	7.6	8,509	16,540	7.3	8,173	17,231
2028	115,040	5.8	6,672	13,275	7.6	8,743	16,594	7.3	8,398	17,287
2029	118,204	5.8	6,856	13,297	7.6	8,984	16,622	7.3	8,629	17,316
2030	121,455	5.8	7,044	13,296	7.6	9,231	16,620	7.3	8,866	17,314
2031	124,795	5.8	7,238	13,269	7.6	9,484	16,586	7.3	9,110	17,279

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	Annual		As a % of	Annual		As a % of	Annual	
		Payroll	Dollars		Payroll	Dollars		Payroll	Dollars	
2022	\$ 97,760	8.6%	\$8,407	\$ 18,842	9.2%	\$8,994	\$ 19,156	10.0%	\$9,776	\$ 21,089
2023	100,448	8.6	8,639	19,023	9.2	9,241	19,340	10.0	10,045	21,291
2024	103,210	8.6	8,876	19,185	9.2	9,495	19,505	10.0	10,321	21,472
2025	106,048	8.6	9,120	19,326	9.2	9,756	19,649	10.0	10,605	21,630
2026	108,964	8.6	9,371	19,444	9.2	10,025	19,769	10.0	10,896	21,762
2027	111,961	8.6	9,629	19,536	9.2	10,300	19,863	10.0	11,196	21,865
2028	115,040	8.6	9,893	19,600	9.2	10,584	19,928	10.0	11,504	21,937
2029	118,204	8.6	10,166	19,633	9.2	10,875	19,961	10.0	11,820	21,974
2030	121,455	8.6	10,445	19,631	9.2	11,174	19,959	10.0	12,146	21,972
2031	124,795	8.6	10,732	19,591	9.2	11,481	19,918	10.0	12,480	21,927

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	Annual		As a % of	Annual		As a % of	Annual	
		Payroll	Dollars		Payroll	Dollars		Payroll	Dollars	
2022	\$ 97,760	10.9%	\$10,656	\$ 22,339	11.3%	\$11,047	\$ 23,307	12.7%	\$12,416	\$ 25,528
2023	100,448	10.9	10,949	22,553	11.3	11,351	23,531	12.7	12,757	25,773
2024	103,210	10.9	11,250	22,745	11.3	11,663	23,732	12.7	13,108	25,993
2025	106,048	10.9	11,559	22,912	11.3	11,983	23,907	12.7	13,468	26,184
2026	108,964	10.9	11,877	23,052	11.3	12,313	24,053	12.7	13,838	26,344
2027	111,961	10.9	12,204	23,162	11.3	12,652	24,167	12.7	14,219	26,469
2028	115,040	10.9	12,539	23,238	11.3	13,000	24,246	12.7	14,610	26,556
2029	118,204	10.9	12,884	23,277	11.3	13,357	24,286	12.7	15,012	26,600
2030	121,455	10.9	13,239	23,275	11.3	13,724	24,284	12.7	15,425	26,597
2031	124,795	10.9	13,603	23,228	11.3	14,102	24,235	12.7	15,849	26,543

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.

City of Viburnum - General

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	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
2022	\$ 97,760	3.9%	\$3,813	\$ 12,761	5.7%	\$5,572	\$ 15,952	5.4%	\$5,279	\$ 16,618
2023	100,448	3.9	3,917	12,883	5.7	5,726	16,105	5.4	5,424	16,777
2024	103,210	3.9	4,025	12,993	5.7	5,883	16,242	5.4	5,573	16,920
2025	106,048	3.9	4,136	13,089	5.7	6,045	16,362	5.4	5,727	17,045
2026	108,964	3.9	4,250	13,169	5.7	6,211	16,462	5.4	5,884	17,149
2027	111,961	3.9	4,366	13,232	5.7	6,382	16,540	5.4	6,046	17,231
2028	115,040	3.9	4,487	13,275	5.7	6,557	16,594	5.4	6,212	17,287
2029	118,204	3.9	4,610	13,297	5.7	6,738	16,622	5.4	6,383	17,316
2030	121,455	3.9	4,737	13,296	5.7	6,923	16,620	5.4	6,559	17,314
2031	124,795	3.9	4,867	13,269	5.7	7,113	16,586	5.4	6,739	17,279

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
2022	\$ 97,760	6.7%	\$6,550	\$ 18,842	7.3%	\$7,136	\$ 19,156	8.1%	\$7,919	\$ 21,089
2023	100,448	6.7	6,730	19,023	7.3	7,333	19,340	8.1	8,136	21,291
2024	103,210	6.7	6,915	19,185	7.3	7,534	19,505	8.1	8,360	21,472
2025	106,048	6.7	7,105	19,326	7.3	7,742	19,649	8.1	8,590	21,630
2026	108,964	6.7	7,301	19,444	7.3	7,954	19,769	8.1	8,826	21,762
2027	111,961	6.7	7,501	19,536	7.3	8,173	19,863	8.1	9,069	21,865
2028	115,040	6.7	7,708	19,600	7.3	8,398	19,928	8.1	9,318	21,937
2029	118,204	6.7	7,920	19,633	7.3	8,629	19,961	8.1	9,575	21,974
2030	121,455	6.7	8,137	19,631	7.3	8,866	19,959	8.1	9,838	21,972
2031	124,795	6.7	8,361	19,591	7.3	9,110	19,918	8.1	10,108	21,927

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
2022	\$ 97,760	9.0%	\$8,798	\$ 22,339	9.4%	\$9,189	\$ 23,307	10.8%	\$10,558	\$ 25,528
2023	100,448	9.0	9,040	22,553	9.4	9,442	23,531	10.8	10,848	25,773
2024	103,210	9.0	9,289	22,745	9.4	9,702	23,732	10.8	11,147	25,993
2025	106,048	9.0	9,544	22,912	9.4	9,969	23,907	10.8	11,453	26,184
2026	108,964	9.0	9,807	23,052	9.4	10,243	24,053	10.8	11,768	26,344
2027	111,961	9.0	10,076	23,162	9.4	10,524	24,167	10.8	12,092	26,469
2028	115,040	9.0	10,354	23,238	9.4	10,814	24,246	10.8	12,424	26,556
2029	118,204	9.0	10,638	23,277	9.4	11,111	24,286	10.8	12,766	26,600
2030	121,455	9.0	10,931	23,275	9.4	11,417	24,284	10.8	13,117	26,597
2031	124,795	9.0	11,232	23,228	9.4	11,731	24,235	10.8	13,478	26,543

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.

City of Viburnum - General

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	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
2022	\$ 97,760	2.0%	\$1,955	\$ 12,761	3.8%	\$3,715	\$ 15,952	3.5%	\$3,422	\$ 16,618
2023	100,448	2.0	2,009	12,883	3.8	3,817	16,105	3.5	3,516	16,777
2024	103,210	2.0	2,064	12,993	3.8	3,922	16,242	3.5	3,612	16,920
2025	106,048	2.0	2,121	13,089	3.8	4,030	16,362	3.5	3,712	17,045
2026	108,964	2.0	2,179	13,169	3.8	4,141	16,462	3.5	3,814	17,149
2027	111,961	2.0	2,239	13,232	3.8	4,255	16,540	3.5	3,919	17,231
2028	115,040	2.0	2,301	13,275	3.8	4,372	16,594	3.5	4,026	17,287
2029	118,204	2.0	2,364	13,297	3.8	4,492	16,622	3.5	4,137	17,316
2030	121,455	2.0	2,429	13,296	3.8	4,615	16,620	3.5	4,251	17,314
2031	124,795	2.0	2,496	13,269	3.8	4,742	16,586	3.5	4,368	17,279

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
2022	\$ 97,760	4.8%	\$4,692	\$ 18,842	5.4%	\$5,279	\$ 19,156	6.2%	\$6,061	\$ 21,089
2023	100,448	4.8	4,822	19,023	5.4	5,424	19,340	6.2	6,228	21,291
2024	103,210	4.8	4,954	19,185	5.4	5,573	19,505	6.2	6,399	21,472
2025	106,048	4.8	5,090	19,326	5.4	5,727	19,649	6.2	6,575	21,630
2026	108,964	4.8	5,230	19,444	5.4	5,884	19,769	6.2	6,756	21,762
2027	111,961	4.8	5,374	19,536	5.4	6,046	19,863	6.2	6,942	21,865
2028	115,040	4.8	5,522	19,600	5.4	6,212	19,928	6.2	7,132	21,937
2029	118,204	4.8	5,674	19,633	5.4	6,383	19,961	6.2	7,329	21,974
2030	121,455	4.8	5,830	19,631	5.4	6,559	19,959	6.2	7,530	21,972
2031	124,795	4.8	5,990	19,591	5.4	6,739	19,918	6.2	7,737	21,927

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
2022	\$ 97,760	7.1%	\$6,941	\$ 22,339	7.5%	\$7,332	\$ 23,307	8.9%	\$8,701	\$ 25,528
2023	100,448	7.1	7,132	22,553	7.5	7,534	23,531	8.9	8,940	25,773
2024	103,210	7.1	7,328	22,745	7.5	7,741	23,732	8.9	9,186	25,993
2025	106,048	7.1	7,529	22,912	7.5	7,954	23,907	8.9	9,438	26,184
2026	108,964	7.1	7,736	23,052	7.5	8,172	24,053	8.9	9,698	26,344
2027	111,961	7.1	7,949	23,162	7.5	8,397	24,167	8.9	9,965	26,469
2028	115,040	7.1	8,168	23,238	7.5	8,628	24,246	8.9	10,239	26,556
2029	118,204	7.1	8,392	23,277	7.5	8,865	24,286	8.9	10,520	26,600
2030	121,455	7.1	8,623	23,275	7.5	9,109	24,284	8.9	10,809	26,597
2031	124,795	7.1	8,860	23,228	7.5	9,360	24,235	8.9	11,107	26,543

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.

City of Viburnum - General

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	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2022	\$ 97,760	8.0%	\$7,821	\$ 13,280	9.8%	\$9,580	\$ 16,589	9.4%	\$9,189	\$ 17,285
2023	100,448	8.0	8,036	13,407	9.8	9,844	16,748	9.4	9,442	17,451
2024	103,210	8.0	8,257	13,521	9.8	10,115	16,891	9.4	9,702	17,600
2025	106,048	8.0	8,484	13,621	9.8	10,393	17,015	9.4	9,969	17,730
2026	108,964	8.0	8,717	13,704	9.8	10,678	17,119	9.4	10,243	17,838
2027	111,961	8.0	8,957	13,769	9.8	10,972	17,200	9.4	10,524	17,923
2028	115,040	8.0	9,203	13,814	9.8	11,274	17,256	9.4	10,814	17,982
2029	118,204	8.0	9,456	13,837	9.8	11,584	17,285	9.4	11,111	18,012
2030	121,455	8.0	9,716	13,836	9.8	11,903	17,283	9.4	11,417	18,010
2031	124,795	8.0	9,984	13,808	9.8	12,230	17,248	9.4	11,731	17,973

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 97,760	10.9%	\$10,656	\$ 19,594	11.5%	\$11,242	\$ 19,902	12.2%	\$11,927	\$ 21,905
2023	100,448	10.9	10,949	19,782	11.5	11,552	20,093	12.2	12,255	22,115
2024	103,210	10.9	11,250	19,951	11.5	11,869	20,264	12.2	12,592	22,303
2025	106,048	10.9	11,559	20,098	11.5	12,196	20,413	12.2	12,938	22,467
2026	108,964	10.9	11,877	20,221	11.5	12,531	20,538	12.2	13,294	22,604
2027	111,961	10.9	12,204	20,317	11.5	12,876	20,636	12.2	13,659	22,711
2028	115,040	10.9	12,539	20,384	11.5	13,230	20,704	12.2	14,035	22,785
2029	118,204	10.9	12,884	20,418	11.5	13,593	20,738	12.2	14,421	22,823
2030	121,455	10.9	13,239	20,416	11.5	13,967	20,736	12.2	14,818	22,821
2031	124,795	10.9	13,603	20,375	11.5	14,351	20,694	12.2	15,225	22,775

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 97,760	13.3%	\$13,002	\$ 23,220	13.6%	\$13,295	\$ 24,226	15.1%	\$14,762	\$ 26,540
2023	100,448	13.3	13,360	23,443	13.6	13,661	24,458	15.1	15,168	26,795
2024	103,210	13.3	13,727	23,643	13.6	14,037	24,666	15.1	15,585	27,023
2025	106,048	13.3	14,104	23,817	13.6	14,423	24,848	15.1	16,013	27,222
2026	108,964	13.3	14,492	23,963	13.6	14,819	25,000	15.1	16,454	27,388
2027	111,961	13.3	14,891	24,077	13.6	15,227	25,119	15.1	16,906	27,518
2028	115,040	13.3	15,300	24,156	13.6	15,645	25,201	15.1	17,371	27,608
2029	118,204	13.3	15,721	24,196	13.6	16,076	25,243	15.1	17,849	27,654
2030	121,455	13.3	16,154	24,194	13.6	16,518	25,241	15.1	18,340	27,651
2031	124,795	13.3	16,598	24,145	13.6	16,972	25,190	15.1	18,844	27,595

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.

City of Viburnum - General

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 %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2022	\$ 97,760	6.1%	\$5,963	\$ 13,280	7.9%	\$7,723	\$ 16,589	7.5%	\$7,332	\$ 17,285
2023	100,448	6.1	6,127	13,407	7.9	7,935	16,748	7.5	7,534	17,451
2024	103,210	6.1	6,296	13,521	7.9	8,154	16,891	7.5	7,741	17,600
2025	106,048	6.1	6,469	13,621	7.9	8,378	17,015	7.5	7,954	17,730
2026	108,964	6.1	6,647	13,704	7.9	8,608	17,119	7.5	8,172	17,838
2027	111,961	6.1	6,830	13,769	7.9	8,845	17,200	7.5	8,397	17,923
2028	115,040	6.1	7,017	13,814	7.9	9,088	17,256	7.5	8,628	17,982
2029	118,204	6.1	7,210	13,837	7.9	9,338	17,285	7.5	8,865	18,012
2030	121,455	6.1	7,409	13,836	7.9	9,595	17,283	7.5	9,109	18,010
2031	124,795	6.1	7,612	13,808	7.9	9,859	17,248	7.5	9,360	17,973

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 97,760	9.0%	\$8,798	\$ 19,594	9.6%	\$9,385	\$ 19,902	10.3%	\$10,069	\$ 21,905
2023	100,448	9.0	9,040	19,782	9.6	9,643	20,093	10.3	10,346	22,115
2024	103,210	9.0	9,289	19,951	9.6	9,908	20,264	10.3	10,631	22,303
2025	106,048	9.0	9,544	20,098	9.6	10,181	20,413	10.3	10,923	22,467
2026	108,964	9.0	9,807	20,221	9.6	10,461	20,538	10.3	11,223	22,604
2027	111,961	9.0	10,076	20,317	9.6	10,748	20,636	10.3	11,532	22,711
2028	115,040	9.0	10,354	20,384	9.6	11,044	20,704	10.3	11,849	22,785
2029	118,204	9.0	10,638	20,418	9.6	11,348	20,738	10.3	12,175	22,823
2030	121,455	9.0	10,931	20,416	9.6	11,660	20,736	10.3	12,510	22,821
2031	124,795	9.0	11,232	20,375	9.6	11,980	20,694	10.3	12,854	22,775

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 97,760	11.4%	\$11,145	\$ 23,220	11.7%	\$11,438	\$ 24,226	13.2%	\$12,904	\$ 26,540
2023	100,448	11.4	11,451	23,443	11.7	11,752	24,458	13.2	13,259	26,795
2024	103,210	11.4	11,766	23,643	11.7	12,076	24,666	13.2	13,624	27,023
2025	106,048	11.4	12,089	23,817	11.7	12,408	24,848	13.2	13,998	27,222
2026	108,964	11.4	12,422	23,963	11.7	12,749	25,000	13.2	14,383	27,388
2027	111,961	11.4	12,764	24,077	11.7	13,099	25,119	13.2	14,779	27,518
2028	115,040	11.4	13,115	24,156	11.7	13,460	25,201	13.2	15,185	27,608
2029	118,204	11.4	13,475	24,196	11.7	13,830	25,243	13.2	15,603	27,654
2030	121,455	11.4	13,846	24,194	11.7	14,210	25,241	13.2	16,032	27,651
2031	124,795	11.4	14,227	24,145	11.7	14,601	25,190	13.2	16,473	27,595

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.

City of Viburnum - General

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	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2022	\$ 97,760	4.2%	\$4,106	\$ 13,280	6.0%	\$5,866	\$ 16,589	5.6%	\$5,475	\$ 17,285
2023	100,448	4.2	4,219	13,407	6.0	6,027	16,748	5.6	5,625	17,451
2024	103,210	4.2	4,335	13,521	6.0	6,193	16,891	5.6	5,780	17,600
2025	106,048	4.2	4,454	13,621	6.0	6,363	17,015	5.6	5,939	17,730
2026	108,964	4.2	4,576	13,704	6.0	6,538	17,119	5.6	6,102	17,838
2027	111,961	4.2	4,702	13,769	6.0	6,718	17,200	5.6	6,270	17,923
2028	115,040	4.2	4,832	13,814	6.0	6,902	17,256	5.6	6,442	17,982
2029	118,204	4.2	4,965	13,837	6.0	7,092	17,285	5.6	6,619	18,012
2030	121,455	4.2	5,101	13,836	6.0	7,287	17,283	5.6	6,801	18,010
2031	124,795	4.2	5,241	13,808	6.0	7,488	17,248	5.6	6,989	17,973

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 97,760	7.1%	\$6,941	\$ 19,594	7.7%	\$7,528	\$ 19,902	8.4%	\$8,212	\$ 21,905
2023	100,448	7.1	7,132	19,782	7.7	7,734	20,093	8.4	8,438	22,115
2024	103,210	7.1	7,328	19,951	7.7	7,947	20,264	8.4	8,670	22,303
2025	106,048	7.1	7,529	20,098	7.7	8,166	20,413	8.4	8,908	22,467
2026	108,964	7.1	7,736	20,221	7.7	8,390	20,538	8.4	9,153	22,604
2027	111,961	7.1	7,949	20,317	7.7	8,621	20,636	8.4	9,405	22,711
2028	115,040	7.1	8,168	20,384	7.7	8,858	20,704	8.4	9,663	22,785
2029	118,204	7.1	8,392	20,418	7.7	9,102	20,738	8.4	9,929	22,823
2030	121,455	7.1	8,623	20,416	7.7	9,352	20,736	8.4	10,202	22,821
2031	124,795	7.1	8,860	20,375	7.7	9,609	20,694	8.4	10,483	22,775

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 97,760	9.5%	\$9,287	\$ 23,220	9.8%	\$9,580	\$ 24,226	11.3%	\$11,047	\$ 26,540
2023	100,448	9.5	9,543	23,443	9.8	9,844	24,458	11.3	11,351	26,795
2024	103,210	9.5	9,805	23,643	9.8	10,115	24,666	11.3	11,663	27,023
2025	106,048	9.5	10,075	23,817	9.8	10,393	24,848	11.3	11,983	27,222
2026	108,964	9.5	10,352	23,963	9.8	10,678	25,000	11.3	12,313	27,388
2027	111,961	9.5	10,636	24,077	9.8	10,972	25,119	11.3	12,652	27,518
2028	115,040	9.5	10,929	24,156	9.8	11,274	25,201	11.3	13,000	27,608
2029	118,204	9.5	11,229	24,196	9.8	11,584	25,243	11.3	13,357	27,654
2030	121,455	9.5	11,538	24,194	9.8	11,903	25,241	11.3	13,724	27,651
2031	124,795	9.5	11,856	24,145	9.8	12,230	25,190	11.3	14,102	27,595

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.

City of Viburnum - General

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 %	Annual		As a %	Annual		As a %	Annual	
		of Payroll	Dollars		of Payroll	Dollars		of Payroll	Dollars	
2022	\$ 97,760	2.3%	\$2,248	\$ 13,280	4.1%	\$4,008	\$ 16,589	3.7%	\$3,617	\$ 17,285
2023	100,448	2.3	2,310	13,407	4.1	4,118	16,748	3.7	3,717	17,451
2024	103,210	2.3	2,374	13,521	4.1	4,232	16,891	3.7	3,819	17,600
2025	106,048	2.3	2,439	13,621	4.1	4,348	17,015	3.7	3,924	17,730
2026	108,964	2.3	2,506	13,704	4.1	4,468	17,119	3.7	4,032	17,838
2027	111,961	2.3	2,575	13,769	4.1	4,590	17,200	3.7	4,143	17,923
2028	115,040	2.3	2,646	13,814	4.1	4,717	17,256	3.7	4,256	17,982
2029	118,204	2.3	2,719	13,837	4.1	4,846	17,285	3.7	4,374	18,012
2030	121,455	2.3	2,793	13,836	4.1	4,980	17,283	3.7	4,494	18,010
2031	124,795	2.3	2,870	13,808	4.1	5,117	17,248	3.7	4,617	17,973

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	Annual		As a % of	Annual		As a % of	Annual	
		Payroll	Dollars		Payroll	Dollars		Payroll	Dollars	
2022	\$ 97,760	5.2%	\$5,084	\$ 19,594	5.8%	\$5,670	\$ 19,902	6.5%	\$6,354	\$ 21,905
2023	100,448	5.2	5,223	19,782	5.8	5,826	20,093	6.5	6,529	22,115
2024	103,210	5.2	5,367	19,951	5.8	5,986	20,264	6.5	6,709	22,303
2025	106,048	5.2	5,514	20,098	5.8	6,151	20,413	6.5	6,893	22,467
2026	108,964	5.2	5,666	20,221	5.8	6,320	20,538	6.5	7,083	22,604
2027	111,961	5.2	5,822	20,317	5.8	6,494	20,636	6.5	7,277	22,711
2028	115,040	5.2	5,982	20,384	5.8	6,672	20,704	6.5	7,478	22,785
2029	118,204	5.2	6,147	20,418	5.8	6,856	20,738	6.5	7,683	22,823
2030	121,455	5.2	6,316	20,416	5.8	7,044	20,736	6.5	7,895	22,821
2031	124,795	5.2	6,489	20,375	5.8	7,238	20,694	6.5	8,112	22,775

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	Annual		As a % of	Annual		As a % of	Annual	
		Payroll	Dollars		Payroll	Dollars		Payroll	Dollars	
2022	\$ 97,760	7.6%	\$7,430	\$ 23,220	7.9%	\$7,723	\$ 24,226	9.4%	\$9,189	\$ 26,540
2023	100,448	7.6	7,634	23,443	7.9	7,935	24,458	9.4	9,442	26,795
2024	103,210	7.6	7,844	23,643	7.9	8,154	24,666	9.4	9,702	27,023
2025	106,048	7.6	8,060	23,817	7.9	8,378	24,848	9.4	9,969	27,222
2026	108,964	7.6	8,281	23,963	7.9	8,608	25,000	9.4	10,243	27,388
2027	111,961	7.6	8,509	24,077	7.9	8,845	25,119	9.4	10,524	27,518
2028	115,040	7.6	8,743	24,156	7.9	9,088	25,201	9.4	10,814	27,608
2029	118,204	7.6	8,984	24,196	7.9	9,338	25,243	9.4	11,111	27,654
2030	121,455	7.6	9,231	24,194	7.9	9,595	25,241	9.4	11,417	27,651
2031	124,795	7.6	9,484	24,145	7.9	9,859	25,190	9.4	11,731	27,595

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.

City of Viburnum - Police

Employer Contribution Rates (0% Member Contribution Rate, 5 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	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
2022	\$ 69,200	8.6%	\$5,951	\$ 6,990	10.5%	\$7,266	\$ 8,727	9.6%	\$6,643	\$ 7,588
2023	71,103	8.6	6,115	7,057	10.5	7,466	8,811	9.6	6,826	7,661
2024	73,058	8.6	6,283	7,117	10.5	7,671	8,886	9.6	7,014	7,726
2025	75,067	8.6	6,456	7,169	10.5	7,882	8,951	9.6	7,206	7,783
2026	77,131	8.6	6,633	7,213	10.5	8,099	9,006	9.6	7,405	7,831
2027	79,252	8.6	6,816	7,247	10.5	8,321	9,049	9.6	7,608	7,868
2028	81,431	8.6	7,003	7,271	10.5	8,550	9,079	9.6	7,817	7,894
2029	83,670	8.6	7,196	7,283	10.5	8,785	9,094	9.6	8,032	7,907
2030	85,971	8.6	7,394	7,282	10.5	9,027	9,093	9.6	8,253	7,906
2031	88,335	8.6	7,597	7,267	10.5	9,275	9,075	9.6	8,480	7,890

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
2022	\$ 69,200	11.3%	\$7,820	\$ 9,173	12.5%	\$8,650	\$ 10,482	13.0%	\$8,996	\$ 10,777
2023	71,103	11.3	8,035	9,261	12.5	8,888	10,583	13.0	9,243	10,880
2024	73,058	11.3	8,256	9,340	12.5	9,132	10,673	13.0	9,498	10,973
2025	75,067	11.3	8,483	9,409	12.5	9,383	10,752	13.0	9,759	11,054
2026	77,131	11.3	8,716	9,467	12.5	9,641	10,818	13.0	10,027	11,122
2027	79,252	11.3	8,955	9,512	12.5	9,907	10,869	13.0	10,303	11,175
2028	81,431	11.3	9,202	9,543	12.5	10,179	10,905	13.0	10,586	11,212
2029	83,670	11.3	9,455	9,559	12.5	10,459	10,923	13.0	10,877	11,231
2030	85,971	11.3	9,715	9,558	12.5	10,746	10,922	13.0	11,176	11,230
2031	88,335	11.3	9,982	9,539	12.5	11,042	10,900	13.0	11,484	11,207

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
2022	\$ 69,200	14.4%	\$9,965	\$ 12,231	14.6%	\$10,103	\$ 12,374	16.4%	\$11,349	\$ 13,968
2023	71,103	14.4	10,239	12,348	14.6	10,381	12,493	16.4	11,661	14,102
2024	73,058	14.4	10,520	12,453	14.6	10,666	12,599	16.4	11,982	14,222
2025	75,067	14.4	10,810	12,545	14.6	10,960	12,692	16.4	12,311	14,327
2026	77,131	14.4	11,107	12,622	14.6	11,261	12,770	16.4	12,649	14,415
2027	79,252	14.4	11,412	12,682	14.6	11,571	12,831	16.4	12,997	14,484
2028	81,431	14.4	11,726	12,724	14.6	11,889	12,873	16.4	13,355	14,531
2029	83,670	14.4	12,048	12,745	14.6	12,216	12,894	16.4	13,722	14,555
2030	85,971	14.4	12,380	12,744	14.6	12,552	12,893	16.4	14,099	14,554
2031	88,335	14.4	12,720	12,718	14.6	12,897	12,867	16.4	14,487	14,524

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.

City of Viburnum - Police

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	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2022	\$ 69,200	6.7%	\$4,636	\$ 6,990	8.6%	\$5,951	\$ 8,727	7.7%	\$5,328	\$ 7,588
2023	71,103	6.7	4,764	7,057	8.6	6,115	8,811	7.7	5,475	7,661
2024	73,058	6.7	4,895	7,117	8.6	6,283	8,886	7.7	5,625	7,726
2025	75,067	6.7	5,029	7,169	8.6	6,456	8,951	7.7	5,780	7,783
2026	77,131	6.7	5,168	7,213	8.6	6,633	9,006	7.7	5,939	7,831
2027	79,252	6.7	5,310	7,247	8.6	6,816	9,049	7.7	6,102	7,868
2028	81,431	6.7	5,456	7,271	8.6	7,003	9,079	7.7	6,270	7,894
2029	83,670	6.7	5,606	7,283	8.6	7,196	9,094	7.7	6,443	7,907
2030	85,971	6.7	5,760	7,282	8.6	7,394	9,093	7.7	6,620	7,906
2031	88,335	6.7	5,918	7,267	8.6	7,597	9,075	7.7	6,802	7,890

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 69,200	9.4%	\$6,505	\$ 9,173	10.6%	\$7,335	\$ 10,482	11.1%	\$7,681	\$ 10,777
2023	71,103	9.4	6,684	9,261	10.6	7,537	10,583	11.1	7,892	10,880
2024	73,058	9.4	6,867	9,340	10.6	7,744	10,673	11.1	8,109	10,973
2025	75,067	9.4	7,056	9,409	10.6	7,957	10,752	11.1	8,332	11,054
2026	77,131	9.4	7,250	9,467	10.6	8,176	10,818	11.1	8,562	11,122
2027	79,252	9.4	7,450	9,512	10.6	8,401	10,869	11.1	8,797	11,175
2028	81,431	9.4	7,655	9,543	10.6	8,632	10,905	11.1	9,039	11,212
2029	83,670	9.4	7,865	9,559	10.6	8,869	10,923	11.1	9,287	11,231
2030	85,971	9.4	8,081	9,558	10.6	9,113	10,922	11.1	9,543	11,230
2031	88,335	9.4	8,303	9,539	10.6	9,364	10,900	11.1	9,805	11,207

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 69,200	12.5%	\$8,650	\$ 12,231	12.7%	\$8,788	\$ 12,374	14.5%	\$10,034	\$ 13,968
2023	71,103	12.5	8,888	12,348	12.7	9,030	12,493	14.5	10,310	14,102
2024	73,058	12.5	9,132	12,453	12.7	9,278	12,599	14.5	10,593	14,222
2025	75,067	12.5	9,383	12,545	12.7	9,534	12,692	14.5	10,885	14,327
2026	77,131	12.5	9,641	12,622	12.7	9,796	12,770	14.5	11,184	14,415
2027	79,252	12.5	9,907	12,682	12.7	10,065	12,831	14.5	11,492	14,484
2028	81,431	12.5	10,179	12,724	12.7	10,342	12,873	14.5	11,807	14,531
2029	83,670	12.5	10,459	12,745	12.7	10,626	12,894	14.5	12,132	14,555
2030	85,971	12.5	10,746	12,744	12.7	10,918	12,893	14.5	12,466	14,554
2031	88,335	12.5	11,042	12,718	12.7	11,219	12,867	14.5	12,809	14,524

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.

City of Viburnum - Police

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	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
2022	\$ 69,200	4.8%	\$3,322	\$ 6,990	6.7%	\$4,636	\$ 8,727	5.8%	\$4,014	\$ 7,588
2023	71,103	4.8	3,413	7,057	6.7	4,764	8,811	5.8	4,124	7,661
2024	73,058	4.8	3,507	7,117	6.7	4,895	8,886	5.8	4,237	7,726
2025	75,067	4.8	3,603	7,169	6.7	5,029	8,951	5.8	4,354	7,783
2026	77,131	4.8	3,702	7,213	6.7	5,168	9,006	5.8	4,474	7,831
2027	79,252	4.8	3,804	7,247	6.7	5,310	9,049	5.8	4,597	7,868
2028	81,431	4.8	3,909	7,271	6.7	5,456	9,079	5.8	4,723	7,894
2029	83,670	4.8	4,016	7,283	6.7	5,606	9,094	5.8	4,853	7,907
2030	85,971	4.8	4,127	7,282	6.7	5,760	9,093	5.8	4,986	7,906
2031	88,335	4.8	4,240	7,267	6.7	5,918	9,075	5.8	5,123	7,890

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
2022	\$ 69,200	7.5%	\$5,190	\$ 9,173	8.7%	\$6,020	\$ 10,482	9.2%	\$6,366	\$ 10,777
2023	71,103	7.5	5,333	9,261	8.7	6,186	10,583	9.2	6,541	10,880
2024	73,058	7.5	5,479	9,340	8.7	6,356	10,673	9.2	6,721	10,973
2025	75,067	7.5	5,630	9,409	8.7	6,531	10,752	9.2	6,906	11,054
2026	77,131	7.5	5,785	9,467	8.7	6,710	10,818	9.2	7,096	11,122
2027	79,252	7.5	5,944	9,512	8.7	6,895	10,869	9.2	7,291	11,175
2028	81,431	7.5	6,107	9,543	8.7	7,084	10,905	9.2	7,492	11,212
2029	83,670	7.5	6,275	9,559	8.7	7,279	10,923	9.2	7,698	11,231
2030	85,971	7.5	6,448	9,558	8.7	7,479	10,922	9.2	7,909	11,230
2031	88,335	7.5	6,625	9,539	8.7	7,685	10,900	9.2	8,127	11,207

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
2022	\$ 69,200	10.6%	\$7,335	\$ 12,231	10.8%	\$7,474	\$ 12,374	12.6%	\$8,719	\$ 13,968
2023	71,103	10.6	7,537	12,348	10.8	7,679	12,493	12.6	8,959	14,102
2024	73,058	10.6	7,744	12,453	10.8	7,890	12,599	12.6	9,205	14,222
2025	75,067	10.6	7,957	12,545	10.8	8,107	12,692	12.6	9,458	14,327
2026	77,131	10.6	8,176	12,622	10.8	8,330	12,770	12.6	9,719	14,415
2027	79,252	10.6	8,401	12,682	10.8	8,559	12,831	12.6	9,986	14,484
2028	81,431	10.6	8,632	12,724	10.8	8,795	12,873	12.6	10,260	14,531
2029	83,670	10.6	8,869	12,745	10.8	9,036	12,894	12.6	10,542	14,555
2030	85,971	10.6	9,113	12,744	10.8	9,285	12,893	12.6	10,832	14,554
2031	88,335	10.6	9,364	12,718	10.8	9,540	12,867	12.6	11,130	14,524

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.

City of Viburnum - Police

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	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
2022	\$ 69,200	2.9%	\$2,007	\$ 6,990	4.8%	\$3,322	\$ 8,727	3.9%	\$2,699	\$ 7,588
2023	71,103	2.9	2,062	7,057	4.8	3,413	8,811	3.9	2,773	7,661
2024	73,058	2.9	2,119	7,117	4.8	3,507	8,886	3.9	2,849	7,726
2025	75,067	2.9	2,177	7,169	4.8	3,603	8,951	3.9	2,928	7,783
2026	77,131	2.9	2,237	7,213	4.8	3,702	9,006	3.9	3,008	7,831
2027	79,252	2.9	2,298	7,247	4.8	3,804	9,049	3.9	3,091	7,868
2028	81,431	2.9	2,361	7,271	4.8	3,909	9,079	3.9	3,176	7,894
2029	83,670	2.9	2,426	7,283	4.8	4,016	9,094	3.9	3,263	7,907
2030	85,971	2.9	2,493	7,282	4.8	4,127	9,093	3.9	3,353	7,906
2031	88,335	2.9	2,562	7,267	4.8	4,240	9,075	3.9	3,445	7,890

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
2022	\$ 69,200	5.6%	\$3,875	\$ 9,173	6.8%	\$4,706	\$ 10,482	7.3%	\$5,052	\$ 10,777
2023	71,103	5.6	3,982	9,261	6.8	4,835	10,583	7.3	5,191	10,880
2024	73,058	5.6	4,091	9,340	6.8	4,968	10,673	7.3	5,333	10,973
2025	75,067	5.6	4,204	9,409	6.8	5,105	10,752	7.3	5,480	11,054
2026	77,131	5.6	4,319	9,467	6.8	5,245	10,818	7.3	5,631	11,122
2027	79,252	5.6	4,438	9,512	6.8	5,389	10,869	7.3	5,785	11,175
2028	81,431	5.6	4,560	9,543	6.8	5,537	10,905	7.3	5,944	11,212
2029	83,670	5.6	4,686	9,559	6.8	5,690	10,923	7.3	6,108	11,231
2030	85,971	5.6	4,814	9,558	6.8	5,846	10,922	7.3	6,276	11,230
2031	88,335	5.6	4,947	9,539	6.8	6,007	10,900	7.3	6,448	11,207

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
2022	\$ 69,200	8.7%	\$6,020	\$ 12,231	8.9%	\$6,159	\$ 12,374	10.7%	\$7,404	\$ 13,968
2023	71,103	8.7	6,186	12,348	8.9	6,328	12,493	10.7	7,608	14,102
2024	73,058	8.7	6,356	12,453	8.9	6,502	12,599	10.7	7,817	14,222
2025	75,067	8.7	6,531	12,545	8.9	6,681	12,692	10.7	8,032	14,327
2026	77,131	8.7	6,710	12,622	8.9	6,865	12,770	10.7	8,253	14,415
2027	79,252	8.7	6,895	12,682	8.9	7,053	12,831	10.7	8,480	14,484
2028	81,431	8.7	7,084	12,724	8.9	7,247	12,873	10.7	8,713	14,531
2029	83,670	8.7	7,279	12,745	8.9	7,447	12,894	10.7	8,953	14,555
2030	85,971	8.7	7,479	12,744	8.9	7,651	12,893	10.7	9,199	14,554
2031	88,335	8.7	7,685	12,718	8.9	7,862	12,867	10.7	9,452	14,524

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.

City of Viburnum - Police

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	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
2022	\$ 69,200	8.9%	\$6,159	\$ 7,218	10.9%	\$7,543	\$ 9,014	10.0%	\$6,920	\$ 7,822
2023	71,103	8.9	6,328	7,287	10.9	7,750	9,100	10.0	7,110	7,897
2024	73,058	8.9	6,502	7,349	10.9	7,963	9,178	10.0	7,306	7,964
2025	75,067	8.9	6,681	7,403	10.9	8,182	9,246	10.0	7,507	8,023
2026	77,131	8.9	6,865	7,448	10.9	8,407	9,303	10.0	7,713	8,072
2027	79,252	8.9	7,053	7,483	10.9	8,638	9,347	10.0	7,925	8,110
2028	81,431	8.9	7,247	7,508	10.9	8,876	9,378	10.0	8,143	8,137
2029	83,670	8.9	7,447	7,521	10.9	9,120	9,394	10.0	8,367	8,151
2030	85,971	8.9	7,651	7,520	10.9	9,371	9,393	10.0	8,597	8,150
2031	88,335	8.9	7,862	7,505	10.9	9,629	9,374	10.0	8,834	8,133

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
2022	\$ 69,200	11.7%	\$8,096	\$ 9,473	12.9%	\$8,927	\$ 10,813	13.3%	\$9,204	\$ 11,127
2023	71,103	11.7	8,319	9,564	12.9	9,172	10,917	13.3	9,457	11,234
2024	73,058	11.7	8,548	9,645	12.9	9,424	11,010	13.3	9,717	11,330
2025	75,067	11.7	8,783	9,716	12.9	9,684	11,091	13.3	9,984	11,413
2026	77,131	11.7	9,024	9,775	12.9	9,950	11,159	13.3	10,258	11,483
2027	79,252	11.7	9,272	9,821	12.9	10,224	11,212	13.3	10,541	11,538
2028	81,431	11.7	9,527	9,853	12.9	10,505	11,249	13.3	10,830	11,576
2029	83,670	11.7	9,789	9,869	12.9	10,793	11,268	13.3	11,128	11,595
2030	85,971	11.7	10,059	9,868	12.9	11,090	11,267	13.3	11,434	11,594
2031	88,335	11.7	10,335	9,848	12.9	11,395	11,244	13.3	11,749	11,570

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
2022	\$ 69,200	14.9%	\$10,311	\$ 12,631	15.1%	\$10,449	\$ 12,776	16.8%	\$11,626	\$ 14,438
2023	71,103	14.9	10,594	12,752	15.1	10,737	12,899	16.8	11,945	14,576
2024	73,058	14.9	10,886	12,861	15.1	11,032	13,009	16.8	12,274	14,700
2025	75,067	14.9	11,185	12,956	15.1	11,335	13,105	16.8	12,611	14,808
2026	77,131	14.9	11,493	13,035	15.1	11,647	13,185	16.8	12,958	14,899
2027	79,252	14.9	11,809	13,097	15.1	11,967	13,248	16.8	13,314	14,970
2028	81,431	14.9	12,133	13,140	15.1	12,296	13,291	16.8	13,680	15,019
2029	83,670	14.9	12,467	13,162	15.1	12,634	13,313	16.8	14,057	15,044
2030	85,971	14.9	12,810	13,161	15.1	12,982	13,312	16.8	14,443	15,043
2031	88,335	14.9	13,162	13,134	15.1	13,339	13,285	16.8	14,840	15,012

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.

City of Viburnum - Police

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	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
2022	\$ 69,200	7.0%	\$4,844	\$ 7,218	9.0%	\$6,228	\$ 9,014	8.1%	\$5,605	\$ 7,822
2023	71,103	7.0	4,977	7,287	9.0	6,399	9,100	8.1	5,759	7,897
2024	73,058	7.0	5,114	7,349	9.0	6,575	9,178	8.1	5,918	7,964
2025	75,067	7.0	5,255	7,403	9.0	6,756	9,246	8.1	6,080	8,023
2026	77,131	7.0	5,399	7,448	9.0	6,942	9,303	8.1	6,248	8,072
2027	79,252	7.0	5,548	7,483	9.0	7,133	9,347	8.1	6,419	8,110
2028	81,431	7.0	5,700	7,508	9.0	7,329	9,378	8.1	6,596	8,137
2029	83,670	7.0	5,857	7,521	9.0	7,530	9,394	8.1	6,777	8,151
2030	85,971	7.0	6,018	7,520	9.0	7,737	9,393	8.1	6,964	8,150
2031	88,335	7.0	6,183	7,505	9.0	7,950	9,374	8.1	7,155	8,133

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
2022	\$ 69,200	9.8%	\$6,782	\$ 9,473	11.0%	\$7,612	\$ 10,813	11.4%	\$7,889	\$ 11,127
2023	71,103	9.8	6,968	9,564	11.0	7,821	10,917	11.4	8,106	11,234
2024	73,058	9.8	7,160	9,645	11.0	8,036	11,010	11.4	8,329	11,330
2025	75,067	9.8	7,357	9,716	11.0	8,257	11,091	11.4	8,558	11,413
2026	77,131	9.8	7,559	9,775	11.0	8,484	11,159	11.4	8,793	11,483
2027	79,252	9.8	7,767	9,821	11.0	8,718	11,212	11.4	9,035	11,538
2028	81,431	9.8	7,980	9,853	11.0	8,957	11,249	11.4	9,283	11,576
2029	83,670	9.8	8,200	9,869	11.0	9,204	11,268	11.4	9,538	11,595
2030	85,971	9.8	8,425	9,868	11.0	9,457	11,267	11.4	9,801	11,594
2031	88,335	9.8	8,657	9,848	11.0	9,717	11,244	11.4	10,070	11,570

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
2022	\$ 69,200	13.0%	\$8,996	\$ 12,631	13.2%	\$9,134	\$ 12,776	14.9%	\$10,311	\$ 14,438
2023	71,103	13.0	9,243	12,752	13.2	9,386	12,899	14.9	10,594	14,576
2024	73,058	13.0	9,498	12,861	13.2	9,644	13,009	14.9	10,886	14,700
2025	75,067	13.0	9,759	12,956	13.2	9,909	13,105	14.9	11,185	14,808
2026	77,131	13.0	10,027	13,035	13.2	10,181	13,185	14.9	11,493	14,899
2027	79,252	13.0	10,303	13,097	13.2	10,461	13,248	14.9	11,809	14,970
2028	81,431	13.0	10,586	13,140	13.2	10,749	13,291	14.9	12,133	15,019
2029	83,670	13.0	10,877	13,162	13.2	11,044	13,313	14.9	12,467	15,044
2030	85,971	13.0	11,176	13,161	13.2	11,348	13,312	14.9	12,810	15,043
2031	88,335	13.0	11,484	13,134	13.2	11,660	13,285	14.9	13,162	15,012

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.

City of Viburnum - Police

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	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
2022	\$ 69,200	5.1%	\$3,529	\$ 7,218	7.1%	\$4,913	\$ 9,014	6.2%	\$4,290	\$ 7,822
2023	71,103	5.1	3,626	7,287	7.1	5,048	9,100	6.2	4,408	7,897
2024	73,058	5.1	3,726	7,349	7.1	5,187	9,178	6.2	4,530	7,964
2025	75,067	5.1	3,828	7,403	7.1	5,330	9,246	6.2	4,654	8,023
2026	77,131	5.1	3,934	7,448	7.1	5,476	9,303	6.2	4,782	8,072
2027	79,252	5.1	4,042	7,483	7.1	5,627	9,347	6.2	4,914	8,110
2028	81,431	5.1	4,153	7,508	7.1	5,782	9,378	6.2	5,049	8,137
2029	83,670	5.1	4,267	7,521	7.1	5,941	9,394	6.2	5,188	8,151
2030	85,971	5.1	4,385	7,520	7.1	6,104	9,393	6.2	5,330	8,150
2031	88,335	5.1	4,505	7,505	7.1	6,272	9,374	6.2	5,477	8,133

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
2022	\$ 69,200	7.9%	\$5,467	\$ 9,473	9.1%	\$6,297	\$ 10,813	9.5%	\$6,574	\$ 11,127
2023	71,103	7.9	5,617	9,564	9.1	6,470	10,917	9.5	6,755	11,234
2024	73,058	7.9	5,772	9,645	9.1	6,648	11,010	9.5	6,941	11,330
2025	75,067	7.9	5,930	9,716	9.1	6,831	11,091	9.5	7,131	11,413
2026	77,131	7.9	6,093	9,775	9.1	7,019	11,159	9.5	7,327	11,483
2027	79,252	7.9	6,261	9,821	9.1	7,212	11,212	9.5	7,529	11,538
2028	81,431	7.9	6,433	9,853	9.1	7,410	11,249	9.5	7,736	11,576
2029	83,670	7.9	6,610	9,869	9.1	7,614	11,268	9.5	7,949	11,595
2030	85,971	7.9	6,792	9,868	9.1	7,823	11,267	9.5	8,167	11,594
2031	88,335	7.9	6,978	9,848	9.1	8,038	11,244	9.5	8,392	11,570

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
2022	\$ 69,200	11.1%	\$7,681	\$ 12,631	11.3%	\$7,820	\$ 12,776	13.0%	\$8,996	\$ 14,438
2023	71,103	11.1	7,892	12,752	11.3	8,035	12,899	13.0	9,243	14,576
2024	73,058	11.1	8,109	12,861	11.3	8,256	13,009	13.0	9,498	14,700
2025	75,067	11.1	8,332	12,956	11.3	8,483	13,105	13.0	9,759	14,808
2026	77,131	11.1	8,562	13,035	11.3	8,716	13,185	13.0	10,027	14,899
2027	79,252	11.1	8,797	13,097	11.3	8,955	13,248	13.0	10,303	14,970
2028	81,431	11.1	9,039	13,140	11.3	9,202	13,291	13.0	10,586	15,019
2029	83,670	11.1	9,287	13,162	11.3	9,455	13,313	13.0	10,877	15,044
2030	85,971	11.1	9,543	13,161	11.3	9,715	13,312	13.0	11,176	15,043
2031	88,335	11.1	9,805	13,134	11.3	9,982	13,285	13.0	11,484	15,012

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.

City of Viburnum - Police

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

Regular Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
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	
2022	\$ 69,200	3.2%	\$2,214	\$ 7,218	5.2%	\$3,598	\$ 9,014	4.3%	\$2,976	\$ 7,822
2023	71,103	3.2	2,275	7,287	5.2	3,697	9,100	4.3	3,057	7,897
2024	73,058	3.2	2,338	7,349	5.2	3,799	9,178	4.3	3,141	7,964
2025	75,067	3.2	2,402	7,403	5.2	3,903	9,246	4.3	3,228	8,023
2026	77,131	3.2	2,468	7,448	5.2	4,011	9,303	4.3	3,317	8,072
2027	79,252	3.2	2,536	7,483	5.2	4,121	9,347	4.3	3,408	8,110
2028	81,431	3.2	2,606	7,508	5.2	4,234	9,378	4.3	3,502	8,137
2029	83,670	3.2	2,677	7,521	5.2	4,351	9,394	4.3	3,598	8,151
2030	85,971	3.2	2,751	7,520	5.2	4,470	9,393	4.3	3,697	8,150
2031	88,335	3.2	2,827	7,505	5.2	4,593	9,374	4.3	3,798	8,133

		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	
2022	\$ 69,200	6.0%	\$4,152	\$ 9,473	7.2%	\$4,982	\$ 10,813	7.6%	\$5,259	\$ 11,127
2023	71,103	6.0	4,266	9,564	7.2	5,119	10,917	7.6	5,404	11,234
2024	73,058	6.0	4,383	9,645	7.2	5,260	11,010	7.6	5,552	11,330
2025	75,067	6.0	4,504	9,716	7.2	5,405	11,091	7.6	5,705	11,413
2026	77,131	6.0	4,628	9,775	7.2	5,553	11,159	7.6	5,862	11,483
2027	79,252	6.0	4,755	9,821	7.2	5,706	11,212	7.6	6,023	11,538
2028	81,431	6.0	4,886	9,853	7.2	5,863	11,249	7.6	6,189	11,576
2029	83,670	6.0	5,020	9,869	7.2	6,024	11,268	7.6	6,359	11,595
2030	85,971	6.0	5,158	9,868	7.2	6,190	11,267	7.6	6,534	11,594
2031	88,335	6.0	5,300	9,848	7.2	6,360	11,244	7.6	6,713	11,570

		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	
2022	\$ 69,200	9.2%	\$6,366	\$ 12,631	9.4%	\$6,505	\$ 12,776	11.1%	\$7,681	\$ 14,438
2023	71,103	9.2	6,541	12,752	9.4	6,684	12,899	11.1	7,892	14,576
2024	73,058	9.2	6,721	12,861	9.4	6,867	13,009	11.1	8,109	14,700
2025	75,067	9.2	6,906	12,956	9.4	7,056	13,105	11.1	8,332	14,808
2026	77,131	9.2	7,096	13,035	9.4	7,250	13,185	11.1	8,562	14,899
2027	79,252	9.2	7,291	13,097	9.4	7,450	13,248	11.1	8,797	14,970
2028	81,431	9.2	7,492	13,140	9.4	7,655	13,291	11.1	9,039	15,019
2029	83,670	9.2	7,698	13,162	9.4	7,865	13,313	11.1	9,287	15,044
2030	85,971	9.2	7,909	13,161	9.4	8,081	13,312	11.1	9,543	15,043
2031	88,335	9.2	8,127	13,134	9.4	8,303	13,285	11.1	9,805	15,012

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.

City of Viburnum - Police

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	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
2022	\$ 69,200	8.7%	\$6,020	\$ 6,985	10.6%	\$7,335	\$ 8,732	9.9%	\$6,851	\$ 7,577
2023	71,103	8.7	6,186	7,052	10.6	7,537	8,816	9.9	7,039	7,650
2024	73,058	8.7	6,356	7,112	10.6	7,744	8,891	9.9	7,233	7,715
2025	75,067	8.7	6,531	7,164	10.6	7,957	8,956	9.9	7,432	7,772
2026	77,131	8.7	6,710	7,208	10.6	8,176	9,011	9.9	7,636	7,820
2027	79,252	8.7	6,895	7,242	10.6	8,401	9,054	9.9	7,846	7,857
2028	81,431	8.7	7,084	7,266	10.6	8,632	9,084	9.9	8,062	7,883
2029	83,670	8.7	7,279	7,278	10.6	8,869	9,099	9.9	8,283	7,896
2030	85,971	8.7	7,479	7,277	10.6	9,113	9,098	9.9	8,511	7,895
2031	88,335	8.7	7,685	7,262	10.6	9,364	9,080	9.9	8,745	7,879

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
2022	\$ 69,200	11.6%	\$8,027	\$ 9,168	12.7%	\$8,788	\$ 10,486	13.2%	\$9,134	\$ 10,787
2023	71,103	11.6	8,248	9,256	12.7	9,030	10,587	13.2	9,386	10,890
2024	73,058	11.6	8,475	9,335	12.7	9,278	10,677	13.2	9,644	10,983
2025	75,067	11.6	8,708	9,404	12.7	9,534	10,756	13.2	9,909	11,064
2026	77,131	11.6	8,947	9,461	12.7	9,796	10,822	13.2	10,181	11,132
2027	79,252	11.6	9,193	9,506	12.7	10,065	10,873	13.2	10,461	11,185
2028	81,431	11.6	9,446	9,537	12.7	10,342	10,909	13.2	10,749	11,222
2029	83,670	11.6	9,706	9,553	12.7	10,626	10,927	13.2	11,044	11,241
2030	85,971	11.6	9,973	9,552	12.7	10,918	10,926	13.2	11,348	11,240
2031	88,335	11.6	10,247	9,533	12.7	11,219	10,904	13.2	11,660	11,217

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
2022	\$ 69,200	14.6%	\$10,103	\$ 12,223	14.8%	\$10,242	\$ 12,379	16.6%	\$11,487	\$ 13,978
2023	71,103	14.6	10,381	12,340	14.8	10,523	12,498	16.6	11,803	14,112
2024	73,058	14.6	10,666	12,445	14.8	10,813	12,604	16.6	12,128	14,232
2025	75,067	14.6	10,960	12,537	14.8	11,110	12,697	16.6	12,461	14,337
2026	77,131	14.6	11,261	12,614	14.8	11,415	12,775	16.6	12,804	14,425
2027	79,252	14.6	11,571	12,674	14.8	11,729	12,836	16.6	13,156	14,494
2028	81,431	14.6	11,889	12,716	14.8	12,052	12,878	16.6	13,518	14,541
2029	83,670	14.6	12,216	12,737	14.8	12,383	12,899	16.6	13,889	14,565
2030	85,971	14.6	12,552	12,736	14.8	12,724	12,898	16.6	14,271	14,564
2031	88,335	14.6	12,897	12,710	14.8	13,074	12,872	16.6	14,664	14,534

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.

City of Viburnum - Police

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	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
2022	\$ 69,200	6.8%	\$4,706	\$ 6,985	8.7%	\$6,020	\$ 8,732	8.0%	\$5,536	\$ 7,577
2023	71,103	6.8	4,835	7,052	8.7	6,186	8,816	8.0	5,688	7,650
2024	73,058	6.8	4,968	7,112	8.7	6,356	8,891	8.0	5,845	7,715
2025	75,067	6.8	5,105	7,164	8.7	6,531	8,956	8.0	6,005	7,772
2026	77,131	6.8	5,245	7,208	8.7	6,710	9,011	8.0	6,170	7,820
2027	79,252	6.8	5,389	7,242	8.7	6,895	9,054	8.0	6,340	7,857
2028	81,431	6.8	5,537	7,266	8.7	7,084	9,084	8.0	6,514	7,883
2029	83,670	6.8	5,690	7,278	8.7	7,279	9,099	8.0	6,694	7,896
2030	85,971	6.8	5,846	7,277	8.7	7,479	9,098	8.0	6,878	7,895
2031	88,335	6.8	6,007	7,262	8.7	7,685	9,080	8.0	7,067	7,879

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
2022	\$ 69,200	9.7%	\$6,712	\$ 9,168	10.8%	\$7,474	\$ 10,486	11.3%	\$7,820	\$ 10,787
2023	71,103	9.7	6,897	9,256	10.8	7,679	10,587	11.3	8,035	10,890
2024	73,058	9.7	7,087	9,335	10.8	7,890	10,677	11.3	8,256	10,983
2025	75,067	9.7	7,281	9,404	10.8	8,107	10,756	11.3	8,483	11,064
2026	77,131	9.7	7,482	9,461	10.8	8,330	10,822	11.3	8,716	11,132
2027	79,252	9.7	7,687	9,506	10.8	8,559	10,873	11.3	8,955	11,185
2028	81,431	9.7	7,899	9,537	10.8	8,795	10,909	11.3	9,202	11,222
2029	83,670	9.7	8,116	9,553	10.8	9,036	10,927	11.3	9,455	11,241
2030	85,971	9.7	8,339	9,552	10.8	9,285	10,926	11.3	9,715	11,240
2031	88,335	9.7	8,568	9,533	10.8	9,540	10,904	11.3	9,982	11,217

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
2022	\$ 69,200	12.7%	\$8,788	\$ 12,223	12.9%	\$8,927	\$ 12,379	14.7%	\$10,172	\$ 13,978
2023	71,103	12.7	9,030	12,340	12.9	9,172	12,498	14.7	10,452	14,112
2024	73,058	12.7	9,278	12,445	12.9	9,424	12,604	14.7	10,740	14,232
2025	75,067	12.7	9,534	12,537	12.9	9,684	12,697	14.7	11,035	14,337
2026	77,131	12.7	9,796	12,614	12.9	9,950	12,775	14.7	11,338	14,425
2027	79,252	12.7	10,065	12,674	12.9	10,224	12,836	14.7	11,650	14,494
2028	81,431	12.7	10,342	12,716	12.9	10,505	12,878	14.7	11,970	14,541
2029	83,670	12.7	10,626	12,737	12.9	10,793	12,899	14.7	12,299	14,565
2030	85,971	12.7	10,918	12,736	12.9	11,090	12,898	14.7	12,638	14,564
2031	88,335	12.7	11,219	12,710	12.9	11,395	12,872	14.7	12,985	14,534

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.

City of Viburnum - Police

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

Rule of 80 Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
Valuation	Estimated Projected Payroll	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
2022	\$ 69,200	4.9%	\$3,391	\$ 6,985	6.8%	\$4,706	\$ 8,732	6.1%	\$4,221	\$ 7,577
2023	71,103	4.9	3,484	7,052	6.8	4,835	8,816	6.1	4,337	7,650
2024	73,058	4.9	3,580	7,112	6.8	4,968	8,891	6.1	4,457	7,715
2025	75,067	4.9	3,678	7,164	6.8	5,105	8,956	6.1	4,579	7,772
2026	77,131	4.9	3,779	7,208	6.8	5,245	9,011	6.1	4,705	7,820
2027	79,252	4.9	3,883	7,242	6.8	5,389	9,054	6.1	4,834	7,857
2028	81,431	4.9	3,990	7,266	6.8	5,537	9,084	6.1	4,967	7,883
2029	83,670	4.9	4,100	7,278	6.8	5,690	9,099	6.1	5,104	7,896
2030	85,971	4.9	4,213	7,277	6.8	5,846	9,098	6.1	5,244	7,895
2031	88,335	4.9	4,328	7,262	6.8	6,007	9,080	6.1	5,388	7,879

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
Valuation	Estimated Projected Payroll	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
2022	\$ 69,200	7.8%	\$5,398	\$ 9,168	8.9%	\$6,159	\$ 10,486	9.4%	\$6,505	\$ 10,787
2023	71,103	7.8	5,546	9,256	8.9	6,328	10,587	9.4	6,684	10,890
2024	73,058	7.8	5,699	9,335	8.9	6,502	10,677	9.4	6,867	10,983
2025	75,067	7.8	5,855	9,404	8.9	6,681	10,756	9.4	7,056	11,064
2026	77,131	7.8	6,016	9,461	8.9	6,865	10,822	9.4	7,250	11,132
2027	79,252	7.8	6,182	9,506	8.9	7,053	10,873	9.4	7,450	11,185
2028	81,431	7.8	6,352	9,537	8.9	7,247	10,909	9.4	7,655	11,222
2029	83,670	7.8	6,526	9,553	8.9	7,447	10,927	9.4	7,865	11,241
2030	85,971	7.8	6,706	9,552	8.9	7,651	10,926	9.4	8,081	11,240
2031	88,335	7.8	6,890	9,533	8.9	7,862	10,904	9.4	8,303	11,217

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
Valuation	Estimated Projected Payroll	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
2022	\$ 69,200	10.8%	\$7,474	\$ 12,223	11.0%	\$7,612	\$ 12,379	12.8%	\$8,858	\$ 13,978
2023	71,103	10.8	7,679	12,340	11.0	7,821	12,498	12.8	9,101	14,112
2024	73,058	10.8	7,890	12,445	11.0	8,036	12,604	12.8	9,351	14,232
2025	75,067	10.8	8,107	12,537	11.0	8,257	12,697	12.8	9,609	14,337
2026	77,131	10.8	8,330	12,614	11.0	8,484	12,775	12.8	9,873	14,425
2027	79,252	10.8	8,559	12,674	11.0	8,718	12,836	12.8	10,144	14,494
2028	81,431	10.8	8,795	12,716	11.0	8,957	12,878	12.8	10,423	14,541
2029	83,670	10.8	9,036	12,737	11.0	9,204	12,899	12.8	10,710	14,565
2030	85,971	10.8	9,285	12,736	11.0	9,457	12,898	12.8	11,004	14,564
2031	88,335	10.8	9,540	12,710	11.0	9,717	12,872	12.8	11,307	14,534

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.

City of Viburnum - Police

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	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2022	\$ 69,200	3.0%	\$2,076	\$ 6,985	4.9%	\$3,391	\$ 8,732	4.2%	\$2,906	\$ 7,577
2023	71,103	3.0	2,133	7,052	4.9	3,484	8,816	4.2	2,986	7,650
2024	73,058	3.0	2,192	7,112	4.9	3,580	8,891	4.2	3,068	7,715
2025	75,067	3.0	2,252	7,164	4.9	3,678	8,956	4.2	3,153	7,772
2026	77,131	3.0	2,314	7,208	4.9	3,779	9,011	4.2	3,240	7,820
2027	79,252	3.0	2,378	7,242	4.9	3,883	9,054	4.2	3,329	7,857
2028	81,431	3.0	2,443	7,266	4.9	3,990	9,084	4.2	3,420	7,883
2029	83,670	3.0	2,510	7,278	4.9	4,100	9,099	4.2	3,514	7,896
2030	85,971	3.0	2,579	7,277	4.9	4,213	9,098	4.2	3,611	7,895
2031	88,335	3.0	2,650	7,262	4.9	4,328	9,080	4.2	3,710	7,879

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 69,200	5.9%	\$4,083	\$ 9,168	7.0%	\$4,844	\$ 10,486	7.5%	\$5,190	\$ 10,787
2023	71,103	5.9	4,195	9,256	7.0	4,977	10,587	7.5	5,333	10,890
2024	73,058	5.9	4,310	9,335	7.0	5,114	10,677	7.5	5,479	10,983
2025	75,067	5.9	4,429	9,404	7.0	5,255	10,756	7.5	5,630	11,064
2026	77,131	5.9	4,551	9,461	7.0	5,399	10,822	7.5	5,785	11,132
2027	79,252	5.9	4,676	9,506	7.0	5,548	10,873	7.5	5,944	11,185
2028	81,431	5.9	4,804	9,537	7.0	5,700	10,909	7.5	6,107	11,222
2029	83,670	5.9	4,937	9,553	7.0	5,857	10,927	7.5	6,275	11,241
2030	85,971	5.9	5,072	9,552	7.0	6,018	10,926	7.5	6,448	11,240
2031	88,335	5.9	5,212	9,533	7.0	6,183	10,904	7.5	6,625	11,217

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 69,200	8.9%	\$6,159	\$ 12,223	9.1%	\$6,297	\$ 12,379	10.9%	\$7,543	\$ 13,978
2023	71,103	8.9	6,328	12,340	9.1	6,470	12,498	10.9	7,750	14,112
2024	73,058	8.9	6,502	12,445	9.1	6,648	12,604	10.9	7,963	14,232
2025	75,067	8.9	6,681	12,537	9.1	6,831	12,697	10.9	8,182	14,337
2026	77,131	8.9	6,865	12,614	9.1	7,019	12,775	10.9	8,407	14,425
2027	79,252	8.9	7,053	12,674	9.1	7,212	12,836	10.9	8,638	14,494
2028	81,431	8.9	7,247	12,716	9.1	7,410	12,878	10.9	8,876	14,541
2029	83,670	8.9	7,447	12,737	9.1	7,614	12,899	10.9	9,120	14,565
2030	85,971	8.9	7,651	12,736	9.1	7,823	12,898	10.9	9,371	14,564
2031	88,335	8.9	7,862	12,710	9.1	8,038	12,872	10.9	9,629	14,534

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.

City of Viburnum - Police

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	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
2022	\$ 69,200	9.0%	\$6,228	\$ 7,220	11.1%	\$7,681	\$ 9,019	10.2%	\$7,058	\$ 7,820
2023	71,103	9.0	6,399	7,289	11.1	7,892	9,106	10.2	7,253	7,895
2024	73,058	9.0	6,575	7,351	11.1	8,109	9,184	10.2	7,452	7,962
2025	75,067	9.0	6,756	7,405	11.1	8,332	9,252	10.2	7,657	8,021
2026	77,131	9.0	6,942	7,450	11.1	8,562	9,309	10.2	7,867	8,070
2027	79,252	9.0	7,133	7,485	11.1	8,797	9,353	10.2	8,084	8,108
2028	81,431	9.0	7,329	7,510	11.1	9,039	9,384	10.2	8,306	8,135
2029	83,670	9.0	7,530	7,523	11.1	9,287	9,400	10.2	8,534	8,149
2030	85,971	9.0	7,737	7,522	11.1	9,543	9,399	10.2	8,769	8,148
2031	88,335	9.0	7,950	7,507	11.1	9,805	9,380	10.2	9,010	8,131

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
2022	\$ 69,200	11.9%	\$8,235	\$ 9,481	13.0%	\$8,996	\$ 10,815	13.6%	\$9,411	\$ 11,119
2023	71,103	11.9	8,461	9,572	13.0	9,243	10,919	13.6	9,670	11,226
2024	73,058	11.9	8,694	9,654	13.0	9,498	11,012	13.6	9,936	11,322
2025	75,067	11.9	8,933	9,725	13.0	9,759	11,093	13.6	10,209	11,405
2026	77,131	11.9	9,179	9,784	13.0	10,027	11,161	13.6	10,490	11,475
2027	79,252	11.9	9,431	9,831	13.0	10,303	11,214	13.6	10,778	11,530
2028	81,431	11.9	9,690	9,863	13.0	10,586	11,251	13.6	11,075	11,568
2029	83,670	11.9	9,957	9,879	13.0	10,877	11,270	13.6	11,379	11,587
2030	85,971	11.9	10,231	9,878	13.0	11,176	11,269	13.6	11,692	11,586
2031	88,335	11.9	10,512	9,858	13.0	11,484	11,246	13.6	12,014	11,562

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
2022	\$ 69,200	15.1%	\$10,449	\$ 12,627	15.4%	\$10,657	\$ 12,783	17.1%	\$11,833	\$ 14,429
2023	71,103	15.1	10,737	12,748	15.4	10,950	12,906	17.1	12,159	14,567
2024	73,058	15.1	11,032	12,857	15.4	11,251	13,016	17.1	12,493	14,691
2025	75,067	15.1	11,335	12,952	15.4	11,560	13,112	17.1	12,836	14,799
2026	77,131	15.1	11,647	13,031	15.4	11,878	13,192	17.1	13,189	14,889
2027	79,252	15.1	11,967	13,093	15.4	12,205	13,255	17.1	13,552	14,960
2028	81,431	15.1	12,296	13,136	15.4	12,540	13,298	17.1	13,925	15,009
2029	83,670	15.1	12,634	13,158	15.4	12,885	13,320	17.1	14,308	15,034
2030	85,971	15.1	12,982	13,157	15.4	13,240	13,319	17.1	14,701	15,033
2031	88,335	15.1	13,339	13,130	15.4	13,604	13,292	17.1	15,105	15,002

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.

City of Viburnum - Police

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

Rule of 80 Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
Valuation	Estimated	As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
Year	Projected Payroll	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2022	\$ 69,200	7.1%	\$4,913	\$ 7,220	9.2%	\$6,366	\$ 9,019	8.3%	\$5,744	\$ 7,820
2023	71,103	7.1	5,048	7,289	9.2	6,541	9,106	8.3	5,902	7,895
2024	73,058	7.1	5,187	7,351	9.2	6,721	9,184	8.3	6,064	7,962
2025	75,067	7.1	5,330	7,405	9.2	6,906	9,252	8.3	6,231	8,021
2026	77,131	7.1	5,476	7,450	9.2	7,096	9,309	8.3	6,402	8,070
2027	79,252	7.1	5,627	7,485	9.2	7,291	9,353	8.3	6,578	8,108
2028	81,431	7.1	5,782	7,510	9.2	7,492	9,384	8.3	6,759	8,135
2029	83,670	7.1	5,941	7,523	9.2	7,698	9,400	8.3	6,945	8,149
2030	85,971	7.1	6,104	7,522	9.2	7,909	9,399	8.3	7,136	8,148
2031	88,335	7.1	6,272	7,507	9.2	8,127	9,380	8.3	7,332	8,131

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
Valuation	Estimated	As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
Year	Projected Payroll	Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 69,200	10.0%	\$6,920	\$ 9,481	11.1%	\$7,681	\$ 10,815	11.7%	\$8,096	\$ 11,119
2023	71,103	10.0	7,110	9,572	11.1	7,892	10,919	11.7	8,319	11,226
2024	73,058	10.0	7,306	9,654	11.1	8,109	11,012	11.7	8,548	11,322
2025	75,067	10.0	7,507	9,725	11.1	8,332	11,093	11.7	8,783	11,405
2026	77,131	10.0	7,713	9,784	11.1	8,562	11,161	11.7	9,024	11,475
2027	79,252	10.0	7,925	9,831	11.1	8,797	11,214	11.7	9,272	11,530
2028	81,431	10.0	8,143	9,863	11.1	9,039	11,251	11.7	9,527	11,568
2029	83,670	10.0	8,367	9,879	11.1	9,287	11,270	11.7	9,789	11,587
2030	85,971	10.0	8,597	9,878	11.1	9,543	11,269	11.7	10,059	11,586
2031	88,335	10.0	8,834	9,858	11.1	9,805	11,246	11.7	10,335	11,562

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
Valuation	Estimated	As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
Year	Projected Payroll	Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 69,200	13.2%	\$9,134	\$ 12,627	13.5%	\$9,342	\$ 12,783	15.2%	\$10,518	\$ 14,429
2023	71,103	13.2	9,386	12,748	13.5	9,599	12,906	15.2	10,808	14,567
2024	73,058	13.2	9,644	12,857	13.5	9,863	13,016	15.2	11,105	14,691
2025	75,067	13.2	9,909	12,952	13.5	10,134	13,112	15.2	11,410	14,799
2026	77,131	13.2	10,181	13,031	13.5	10,413	13,192	15.2	11,724	14,889
2027	79,252	13.2	10,461	13,093	13.5	10,699	13,255	15.2	12,046	14,960
2028	81,431	13.2	10,749	13,136	13.5	10,993	13,298	15.2	12,378	15,009
2029	83,670	13.2	11,044	13,158	13.5	11,295	13,320	15.2	12,718	15,034
2030	85,971	13.2	11,348	13,157	13.5	11,606	13,319	15.2	13,068	15,033
2031	88,335	13.2	11,660	13,130	13.5	11,925	13,292	15.2	13,427	15,002

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.

City of Viburnum - Police

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

Rule of 80 Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
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	
2022	\$ 69,200	5.2%	\$3,598	\$ 7,220	7.3%	\$5,052	\$ 9,019	6.4%	\$4,429	\$ 7,820
2023	71,103	5.2	3,697	7,289	7.3	5,191	9,106	6.4	4,551	7,895
2024	73,058	5.2	3,799	7,351	7.3	5,333	9,184	6.4	4,676	7,962
2025	75,067	5.2	3,903	7,405	7.3	5,480	9,252	6.4	4,804	8,021
2026	77,131	5.2	4,011	7,450	7.3	5,631	9,309	6.4	4,936	8,070
2027	79,252	5.2	4,121	7,485	7.3	5,785	9,353	6.4	5,072	8,108
2028	81,431	5.2	4,234	7,510	7.3	5,944	9,384	6.4	5,212	8,135
2029	83,670	5.2	4,351	7,523	7.3	6,108	9,400	6.4	5,355	8,149
2030	85,971	5.2	4,470	7,522	7.3	6,276	9,399	6.4	5,502	8,148
2031	88,335	5.2	4,593	7,507	7.3	6,448	9,380	6.4	5,653	8,131

		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	
2022	\$ 69,200	8.1%	\$5,605	\$ 9,481	9.2%	\$6,366	\$ 10,815	9.8%	\$6,782	\$ 11,119
2023	71,103	8.1	5,759	9,572	9.2	6,541	10,919	9.8	6,968	11,226
2024	73,058	8.1	5,918	9,654	9.2	6,721	11,012	9.8	7,160	11,322
2025	75,067	8.1	6,080	9,725	9.2	6,906	11,093	9.8	7,357	11,405
2026	77,131	8.1	6,248	9,784	9.2	7,096	11,161	9.8	7,559	11,475
2027	79,252	8.1	6,419	9,831	9.2	7,291	11,214	9.8	7,767	11,530
2028	81,431	8.1	6,596	9,863	9.2	7,492	11,251	9.8	7,980	11,568
2029	83,670	8.1	6,777	9,879	9.2	7,698	11,270	9.8	8,200	11,587
2030	85,971	8.1	6,964	9,878	9.2	7,909	11,269	9.8	8,425	11,586
2031	88,335	8.1	7,155	9,858	9.2	8,127	11,246	9.8	8,657	11,562

		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	
2022	\$ 69,200	11.3%	\$7,820	\$ 12,627	11.6%	\$8,027	\$ 12,783	13.3%	\$9,204	\$ 14,429
2023	71,103	11.3	8,035	12,748	11.6	8,248	12,906	13.3	9,457	14,567
2024	73,058	11.3	8,256	12,857	11.6	8,475	13,016	13.3	9,717	14,691
2025	75,067	11.3	8,483	12,952	11.6	8,708	13,112	13.3	9,984	14,799
2026	77,131	11.3	8,716	13,031	11.6	8,947	13,192	13.3	10,258	14,889
2027	79,252	11.3	8,955	13,093	11.6	9,193	13,255	13.3	10,541	14,960
2028	81,431	11.3	9,202	13,136	11.6	9,446	13,298	13.3	10,830	15,009
2029	83,670	11.3	9,455	13,158	11.6	9,706	13,320	13.3	11,128	15,034
2030	85,971	11.3	9,715	13,157	11.6	9,973	13,319	13.3	11,434	15,033
2031	88,335	11.3	9,982	13,130	11.6	10,247	13,292	13.3	11,749	15,002

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.

City of Viburnum - Police

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

(Member contributions are additional)

Rule of 80 Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
Valuation	Estimated	As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
Year	Projected Payroll	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2022	\$ 69,200	3.3%	\$2,284	\$ 7,220	5.4%	\$3,737	\$ 9,019	4.5%	\$3,114	\$ 7,820
2023	71,103	3.3	2,346	7,289	5.4	3,840	9,106	4.5	3,200	7,895
2024	73,058	3.3	2,411	7,351	5.4	3,945	9,184	4.5	3,288	7,962
2025	75,067	3.3	2,477	7,405	5.4	4,054	9,252	4.5	3,378	8,021
2026	77,131	3.3	2,545	7,450	5.4	4,165	9,309	4.5	3,471	8,070
2027	79,252	3.3	2,615	7,485	5.4	4,280	9,353	4.5	3,566	8,108
2028	81,431	3.3	2,687	7,510	5.4	4,397	9,384	4.5	3,664	8,135
2029	83,670	3.3	2,761	7,523	5.4	4,518	9,400	4.5	3,765	8,149
2030	85,971	3.3	2,837	7,522	5.4	4,642	9,399	4.5	3,869	8,148
2031	88,335	3.3	2,915	7,507	5.4	4,770	9,380	4.5	3,975	8,131

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
Valuation	Estimated	As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
Year	Projected Payroll	Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 69,200	6.2%	\$4,290	\$ 9,481	7.3%	\$5,052	\$ 10,815	7.9%	\$5,467	\$ 11,119
2023	71,103	6.2	4,408	9,572	7.3	5,191	10,919	7.9	5,617	11,226
2024	73,058	6.2	4,530	9,654	7.3	5,333	11,012	7.9	5,772	11,322
2025	75,067	6.2	4,654	9,725	7.3	5,480	11,093	7.9	5,930	11,405
2026	77,131	6.2	4,782	9,784	7.3	5,631	11,161	7.9	6,093	11,475
2027	79,252	6.2	4,914	9,831	7.3	5,785	11,214	7.9	6,261	11,530
2028	81,431	6.2	5,049	9,863	7.3	5,944	11,251	7.9	6,433	11,568
2029	83,670	6.2	5,188	9,879	7.3	6,108	11,270	7.9	6,610	11,587
2030	85,971	6.2	5,330	9,878	7.3	6,276	11,269	7.9	6,792	11,586
2031	88,335	6.2	5,477	9,858	7.3	6,448	11,246	7.9	6,978	11,562

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
Valuation	Estimated	As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
Year	Projected Payroll	Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 69,200	9.4%	\$6,505	\$ 12,627	9.7%	\$6,712	\$ 12,783	11.4%	\$7,889	\$ 14,429
2023	71,103	9.4	6,684	12,748	9.7	6,897	12,906	11.4	8,106	14,567
2024	73,058	9.4	6,867	12,857	9.7	7,087	13,016	11.4	8,329	14,691
2025	75,067	9.4	7,056	12,952	9.7	7,281	13,112	11.4	8,558	14,799
2026	77,131	9.4	7,250	13,031	9.7	7,482	13,192	11.4	8,793	14,889
2027	79,252	9.4	7,450	13,093	9.7	7,687	13,255	11.4	9,035	14,960
2028	81,431	9.4	7,655	13,136	9.7	7,899	13,298	11.4	9,283	15,009
2029	83,670	9.4	7,865	13,158	9.7	8,116	13,320	11.4	9,538	15,034
2030	85,971	9.4	8,081	13,157	9.7	8,339	13,319	11.4	9,801	15,033
2031	88,335	9.4	8,303	13,130	9.7	8,568	13,292	11.4	10,070	15,002

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.