



**THE INITIAL ACTUARIAL VALUATION FOR
WARRENTON FIRE PROTECTION DISTRICT
AS OF JULY 31, 2016**

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September 14, 2016

Warrenton Fire Protection District
Warrenton, Missouri

Ladies and Gentlemen:

Submitted in this report are the results of the actuarial valuation prepared to determine the employer contribution rates required to support, for your employees, the benefits provided by the Missouri Local Government Employees Retirement System (LAGERS). This report contains the information needed to comply with Missouri state disclosure requirements regarding the adoption of LAGERS benefits by a political subdivision (Sections 105.660 - 106.685 RSMo).

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

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

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

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

The actuarial assumptions and methods used to determine the stated costs are described in Appendix II of this report. In our opinion, they do produce results which, in the aggregate, are reasonable. Additional miscellaneous and technical assumptions as well as disclosures required by the actuarial standards of practice may be found in the LAGERS Compiled Annual Actuarial Valuation report as of February 29, 2016.

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. 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.

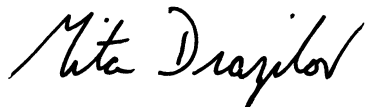
Please note that this entire report must be available as public information for at least 45 calendar days prior to the date final official action is taken by your governing body to join the System. You may wish to make notice of this report in the official minutes of the next meeting of your governing 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 July 31, 2016. The valuation was based on data furnished from your records concerning individual employees (see Appendix V).

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

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 opinion herein.

Respectfully submitted,

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

Mita D. Drazilov, ASA, MAAA

Alternate Plan Provisions Affecting Employer Contribution Rates

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

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

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

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

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

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

Warrenton Fire Protection District

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

Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll			Total Employer Contribution Rate
		Prior Service Cost *	Current Cost	Disability Cost	
L-1	General	3.30%	4.80%	0.20%	8.30%
	Fire	4.60	4.60	0.60	9.80
L-3	General	4.20	6.60	0.30	11.10
	Fire	5.80	6.40	0.70	12.90
LT-4(65)	General	3.70	5.60	0.20	9.50
	Fire	6.10	6.60	0.60	13.30
LT-5(65)	General	4.50	7.20	0.30	12.00
	Fire	6.90	7.90	0.70	15.50
L-7	General	5.10	8.40	0.30	13.80
	Fire	7.00	8.30	0.80	16.10
LT-8(65)	General	5.30	8.80	0.30	14.40
	Fire	7.80	9.30	0.80	17.90
L-12	General	6.00	10.20	0.40	16.60
	Fire	8.20	10.20	0.90	19.30
LT-14(65)	General	6.10	10.40	0.40	16.90
	Fire	8.60	10.60	0.90	20.10
L-6	General	6.90	12.00	0.50	19.40
	Fire	9.40	12.10	1.00	22.50

* Assumes that credit is granted for 100% of service rendered prior to the membership date. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

Warrenton Fire Protection District

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

Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	3.40%	5.10%	0.20%	8.70%
	Fire	4.80	4.90	0.60	10.30
L-3	General	4.40	6.90	0.30	11.60
	Fire	6.00	6.90	0.70	13.60
LT-4(65)	General	3.80	5.90	0.20	9.90
	Fire	6.30	6.90	0.60	13.80
LT-5(65)	General	4.70	7.60	0.30	12.60
	Fire	7.20	8.30	0.70	16.20
L-7	General	5.30	8.80	0.30	14.40
	Fire	7.30	8.70	0.80	16.80
LT-8(65)	General	5.50	9.20	0.30	15.00
	Fire	8.00	9.80	0.80	18.60
L-12	General	6.20	10.70	0.40	17.30
	Fire	8.50	10.70	0.90	20.10
LT-14(65)	General	6.30	10.90	0.40	17.60
	Fire	8.90	11.10	0.90	20.90
L-6	General	7.20	12.50	0.50	20.20
	Fire	9.70	12.60	1.00	23.30

* Assumes that credit is granted for 100% of service rendered prior to the membership date. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

Warrenton Fire Protection District

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

Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	3.60%	8.10%	0.20%	11.90%
	Fire	4.80	8.30	0.60	13.70
L-3	General	4.50	9.80	0.30	14.60
	Fire	6.00	10.10	0.70	16.80
LT-4(65)	General	4.00	8.80	0.20	13.00
	Fire	6.30	10.30	0.60	17.20
LT-5(65)	General	4.80	10.40	0.30	15.50
	Fire	7.10	11.60	0.70	19.40
L-7	General	5.40	11.60	0.30	17.30
	Fire	7.20	12.00	0.80	20.00
LT-8(65)	General	5.60	12.00	0.30	17.90
	Fire	8.00	13.00	0.80	21.80
L-12	General	6.30	13.40	0.40	20.10
	Fire	8.50	13.80	0.90	23.20
LT-14(65)	General	6.40	13.60	0.40	20.40
	Fire	8.80	14.30	0.90	24.00
L-6	General	7.20	15.20	0.50	22.90
	Fire	9.70	15.70	1.00	26.40

* Assumes that credit is granted for 100% of service rendered prior to the membership date. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

Warrenton Fire Protection District

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

Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	3.70%	8.30%	0.20%	12.20%
	Fire	5.00	8.60	0.60	14.20
L-3	General	4.70	10.20	0.30	15.20
	Fire	6.30	10.50	0.70	17.50
LT-4(65)	General	4.10	9.10	0.20	13.40
	Fire	6.50	10.60	0.60	17.70
LT-5(65)	General	5.00	10.80	0.30	16.10
	Fire	7.40	12.00	0.70	20.10
L-7	General	5.60	12.00	0.30	17.90
	Fire	7.50	12.40	0.80	20.70
LT-8(65)	General	5.80	12.40	0.30	18.50
	Fire	8.30	13.40	0.80	22.50
L-12	General	6.50	13.90	0.40	20.80
	Fire	8.80	14.30	0.90	24.00
LT-14(65)	General	6.60	14.10	0.40	21.10
	Fire	9.10	14.80	0.90	24.80
L-6	General	7.50	15.70	0.50	23.70
	Fire	10.00	16.20	1.00	27.20

* Assumes that credit is granted for 100% of service rendered prior to the membership date. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

Warrenton Fire Protection District

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

Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	3.30%	4.80%	0.20%	8.30%
	Fire	4.80	4.90	0.60	10.30
L-3	General	4.20	6.60	0.30	11.10
	Fire	6.00	6.80	0.70	13.50
LT-4(65)	General	3.70	5.60	0.20	9.50
	Fire	6.40	7.30	0.60	14.30
LT-5(65)	General	4.50	7.20	0.30	12.00
	Fire	7.20	8.60	0.70	16.50
L-7	General	5.10	8.40	0.30	13.80
	Fire	7.20	8.70	0.80	16.70
LT-8(65)	General	5.30	8.80	0.30	14.40
	Fire	8.00	10.00	0.80	18.80
L-12	General	6.00	10.20	0.40	16.60
	Fire	8.40	10.70	0.90	20.00
LT-14(65)	General	6.10	10.40	0.40	16.90
	Fire	8.90	11.20	0.90	21.00
L-6	General	6.90	12.00	0.50	19.40
	Fire	9.70	12.50	1.00	23.20

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

* Assumes that credit is granted for 100% of service rendered prior to the membership date. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

Warrenton Fire Protection District

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

Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	3.40%	5.10%	0.20%	8.70%
	Fire	4.90	5.20	0.60	10.70
L-3	General	4.40	6.90	0.30	11.60
	Fire	6.20	7.10	0.70	14.00
LT-4(65)	General	3.80	5.90	0.20	9.90
	Fire	6.60	7.60	0.60	14.80
LT-5(65)	General	4.70	7.60	0.30	12.60
	Fire	7.50	9.00	0.70	17.20
L-7	General	5.30	8.80	0.30	14.40
	Fire	7.50	9.10	0.80	17.40
LT-8(65)	General	5.50	9.20	0.30	15.00
	Fire	8.30	10.50	0.80	19.60
L-12	General	6.20	10.70	0.40	17.30
	Fire	8.80	11.10	0.90	20.80
LT-14(65)	General	6.30	10.90	0.40	17.60
	Fire	9.20	11.70	0.90	21.80
L-6	General	7.20	12.50	0.50	20.20
	Fire	10.00	13.20	1.00	24.20

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

* Assumes that credit is granted for 100% of service rendered prior to the membership date. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

Warrenton Fire Protection District

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

Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	3.60%	8.10%	0.20%	11.90%
	Fire	5.00	8.60	0.60	14.20
L-3	General	4.50	9.80	0.30	14.60
	Fire	6.20	10.50	0.70	17.40
LT-4(65)	General	4.00	8.80	0.20	13.00
	Fire	6.60	11.00	0.60	18.20
LT-5(65)	General	4.80	10.40	0.30	15.50
	Fire	7.40	12.30	0.70	20.40
L-7	General	5.40	11.60	0.30	17.30
	Fire	7.40	12.40	0.80	20.60
LT-8(65)	General	5.60	12.00	0.30	17.90
	Fire	8.30	13.60	0.80	22.70
L-12	General	6.30	13.40	0.40	20.10
	Fire	8.70	14.30	0.90	23.90
LT-14(65)	General	6.40	13.60	0.40	20.40
	Fire	9.10	14.90	0.90	24.90
L-6	General	7.20	15.20	0.50	22.90
	Fire	9.90	16.20	1.00	27.10

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

* Assumes that credit is granted for 100% of service rendered prior to the membership date. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

Warrenton Fire Protection District

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

Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	3.70%	8.30%	0.20%	12.20%
	Fire	5.10	8.90	0.60	14.60
L-3	General	4.70	10.20	0.30	15.20
	Fire	6.40	10.80	0.70	17.90
LT-4(65)	General	4.10	9.10	0.20	13.40
	Fire	6.80	11.30	0.60	18.70
LT-5(65)	General	5.00	10.80	0.30	16.10
	Fire	7.70	12.70	0.70	21.10
L-7	General	5.60	12.00	0.30	17.90
	Fire	7.70	12.80	0.80	21.30
LT-8(65)	General	5.80	12.40	0.30	18.50
	Fire	8.60	14.10	0.80	23.50
L-12	General	6.50	13.90	0.40	20.80
	Fire	9.00	14.80	0.90	24.70
LT-14(65)	General	6.60	14.10	0.40	21.10
	Fire	9.40	15.40	0.90	25.70
L-6	General	7.50	15.70	0.50	23.70
	Fire	10.30	16.80	1.00	28.10

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

* Assumes that credit is granted for 100% of service rendered prior to the membership date. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

Warrenton Fire Protection District

Employer Contribution Dollars

Regular Retirement Eligibility

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

Contributory Plan

5 Year FAS		
Benefit Program	General	Fire
L-1	\$ 2,558	\$ 34,319
L-3	3,422	45,175
LT-4(65)	2,928	46,575
LT-5(65)	3,699	54,280
L-7	4,254	56,381
LT-8(65)	4,439	62,684
L-12	5,117	67,587
LT-14(65)	5,209	70,388
L-6	5,980	78,793

3 Year FAS		
Benefit Program	General	Fire
L-1	\$ 2,682	\$ 36,070
L-3	3,576	47,626
LT-4(65)	3,052	48,326
LT-5(65)	3,884	56,731
L-7	4,439	58,832
LT-8(65)	4,624	65,136
L-12	5,333	70,388
LT-14(65)	5,425	73,190
L-6	6,227	81,595

Non-Contributory Plan

5 Year FAS		
Benefit Program	General	Fire
L-1	\$ 3,668	\$ 47,976
L-3	4,500	58,832
LT-4(65)	4,007	60,233
LT-5(65)	4,778	67,937
L-7	5,333	70,038
LT-8(65)	5,518	76,342
L-12	6,196	81,244
LT-14(65)	6,288	84,046
L-6	7,059	92,450

3 Year FAS		
Benefit Program	General	Fire
L-1	\$ 3,761	\$ 49,727
L-3	4,685	61,283
LT-4(65)	4,131	61,984
LT-5(65)	4,963	70,388
L-7	5,518	72,490
LT-8(65)	5,703	78,793
L-12	6,412	84,046
LT-14(65)	6,504	86,847
L-6	7,306	95,252

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.

Warrenton Fire Protection District

Employer Contribution Dollars

Rule of 80 Retirement Eligibility

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

Contributory Plan

5 Year FAS		
Benefit Program	General	Fire
L-1	\$ 2,558	\$ 36,070
L-3	3,422	47,276
LT-4(65)	2,928	50,077
LT-5(65)	3,699	57,782
L-7	4,254	58,482
LT-8(65)	4,439	65,836
L-12	5,117	70,038
LT-14(65)	5,209	73,540
L-6	5,980	81,244

3 Year FAS		
Benefit Program	General	Fire
L-1	\$ 2,682	\$ 37,470
L-3	3,576	49,027
LT-4(65)	3,052	51,828
LT-5(65)	3,884	60,233
L-7	4,439	60,933
LT-8(65)	4,624	68,637
L-12	5,333	72,840
LT-14(65)	5,425	76,342
L-6	6,227	84,746

Non-Contributory Plan

5 Year FAS		
Benefit Program	General	Fire
L-1	\$ 3,668	\$ 49,727
L-3	4,500	60,933
LT-4(65)	4,007	63,735
LT-5(65)	4,778	71,439
L-7	5,333	72,139
LT-8(65)	5,518	79,493
L-12	6,196	83,696
LT-14(65)	6,288	87,198
L-6	7,059	94,902

3 Year FAS		
Benefit Program	General	Fire
L-1	\$ 3,761	\$ 51,128
L-3	4,685	62,684
LT-4(65)	4,131	65,486
LT-5(65)	4,963	73,890
L-7	5,518	74,591
LT-8(65)	5,703	82,295
L-12	6,412	86,497
LT-14(65)	6,504	89,999
L-6	7,306	98,404

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.

Warrenton Fire Protection District

Employees and Payroll Included in the Valuation

	General	Fire
Number of Employees	1	7
Annual Payroll	\$ 30,825	\$ 350,191

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

APPENDIX I

**UNFUNDED ACTUARIAL
ACCRUED LIABILITY**

UNFUNDED ACTUARIAL ACCRUED LIABILITY (UAAL)

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

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

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

Warrenton Fire Protection District

Regular Retirement Eligibility

Benefit Group	Employee Group	Contributory		Non-Contributory	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)	UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 18,024	\$ 18,681	\$ 19,624	\$ 20,286
	Fire	285,589	296,091	298,036	308,514
L-3	General	\$ 22,937	\$ 23,760	\$ 24,532	\$ 25,358
	Fire	359,660	372,621	372,550	385,696
LT-4(65)	General	20,169	20,906	21,763	22,496
	Fire	375,529	389,261	387,584	401,305
LT-5(65)	General	24,548	25,431	26,128	27,013
	Fire	427,148	442,526	439,717	455,272
L-7	General	27,851	28,840	29,443	30,429
	Fire	433,453	448,920	447,102	462,844
LT-8(65)	General	28,924	29,954	30,505	31,538
	Fire	478,397	495,514	491,886	509,219
L-12	General	32,772	33,926	34,343	35,500
	Fire	506,995	525,059	521,584	539,964
LT-14(65)	General	33,304	34,478	34,876	36,055
	Fire	529,491	548,382	543,968	563,158
L-6	General	37,688	39,014	39,254	40,573
	Fire	580,562	601,196	596,094	617,131

Warrenton Fire Protection District

UNFUNDED ACTUARIAL ACCRUED LIABILITY (UAAL)

Rule of 80 Retirement Eligibility

Benefit Group	Employee Group	Contributory		Non-Contributory	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)	UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 18,024	\$ 18,681	\$ 19,624	\$ 20,286
	Fire	293,752	304,614	306,192	317,083
L-3	General	\$ 22,937	\$ 23,760	\$ 24,532	\$ 25,358
	Fire	369,781	383,239	382,731	396,369
LT-4(65)	General	20,169	20,906	21,763	22,496
	Fire	395,066	409,629	407,129	421,676
LT-5(65)	General	24,548	25,431	26,128	27,013
	Fire	445,807	462,014	458,440	474,813
L-7	General	27,851	28,840	29,443	30,429
	Fire	445,547	461,642	459,292	475,621
LT-8(65)	General	28,924	29,954	30,505	31,538
	Fire	496,191	514,117	509,759	527,942
L-12	General	32,772	33,926	34,343	35,500
	Fire	521,142	539,866	535,833	554,902
LT-14(65)	General	33,304	34,478	34,876	36,055
	Fire	546,459	566,124	561,070	581,049
L-6	General	37,688	39,014	39,254	40,573
	Fire	596,627	618,101	612,380	634,150

APPENDIX II

SUMMARY OF FINANCIAL ASSUMPTIONS

Summary of Assumptions Used in Actuarial Valuations

Assumptions Adopted by Board of Trustees After Consulting With Actuary

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

Schedule 1.

**Withdrawal From Active Employment Before Age & Service Retirement
and Individual Pay Increase Assumptions**

Sample Ages	Years of Service	Percent of Active Members Separating Within Next Year				Percent Increase in Individual's Pay During Next Year Excluding Fire
		General Members		Police	Fire	
		Men	Women			
All	0	19.00%	22.00%	18.00%	10.00%	
	1	17.00	20.00	17.00	8.00	
	2	15.00	17.00	16.00	7.00	
	3	13.00	14.00	13.00	6.00	
	4	11.00	13.00	12.00	6.00	
25	5 & Over	7.30	10.80	9.80	5.00	6.6%
30		6.50	8.90	7.80	4.00	5.8
35		5.00	7.40	6.10	2.80	5.3
40		3.70	5.70	4.40	2.20	4.8
45		3.00	4.20	3.20	1.80	4.3
50		2.40	3.30	1.80	1.00	3.9
55		1.80	2.50	1.00	0.50	3.7
60		1.00	1.20	0.00	0.00	3.6
65		0.00	0.00	0.00	0.00	3.3

Sample Ages	Percent Increase in Individual's Pay During Next Year
	Fire
25	7.2%
30	6.1
35	5.2
40	4.5
45	4.2
50	3.9
55	3.7
60	3.3
65	3.3

Schedule 2.

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

Early Retirement

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

Normal Retirement

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

Schedule 2. (Continued)

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

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

APPENDIX III

**SUMMARY OF
LAGERS PROVISIONS**

Missouri Local Government Employees Retirement System
Brief Summary of LAGERS
Benefits and Conditions Evaluated and/or Considered
as of February 29, 2016
(Section references are to RSMo)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) The surviving spouse receives an allowance equal to the Option A allowance (joint and 75% survivor benefit) computed based upon the deceased members' service & earnings record to time of death.

(b) When no spouse benefit is payable, the dependent children under age 18 (age 23 if they are full time students) each receive an equal share of 60% of an age & service allowance computed based upon the deceased member's service & earnings record to time of death.

(c) If the death is determined to be duty related, the 5 year service requirement is waived and the benefit is based on years of credited service the member would have completed had the member continued in LAGERS-covered employment to age 60.

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

(a) Subject to the maximum in (b), the redetermined amount is the amount other-wise payable multiplied by: 100% plus up to 4%, as determined by the LAGERS Board of Trustees, for each full year of retirement.

(b) The redetermined amount may not exceed the amount otherwise payable multiplied by the ratio of the Consumer Price Index for the immediately preceding month of June to the Consumer Price Index for the month of June immediately preceding retirement.

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

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

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

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

APPENDIX IV

**BENEFIT
ILLUSTRATIONS**

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 525	\$ 882	\$1,407	94%
2,000	700	1,028	1,728	86%
2,500	875	1,174	2,049	82%
3,000	1,050	1,320	2,370	79%
3,500	1,225	1,465	2,690	77%
4,000	1,400	1,611	3,011	75%
25 Years of Service:				
\$1,500	\$ 375	\$ 882	\$1,257	84%
2,000	500	1,028	1,528	76%
2,500	625	1,174	1,799	72%
3,000	750	1,320	2,070	69%
3,500	875	1,465	2,340	67%
4,000	1,000	1,611	2,611	65%
15 Years of Service:				
\$1,500	\$225	\$ 882	\$1,107	74%
2,000	300	1,028	1,328	66%
2,500	375	1,174	1,549	62%
3,000	450	1,320	1,770	59%
3,500	525	1,465	1,990	57%
4,000	600	1,611	2,211	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 2016 - it does not include any amounts which might be payable to an eligible spouse or children.

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

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 656	\$ 882	\$1,538	103%
2,000	875	1,028	1,903	95%
2,500	1,094	1,174	2,268	91%
3,000	1,313	1,320	2,633	88%
3,500	1,531	1,465	2,996	86%
4,000	1,750	1,611	3,361	84%
25 Years of Service:				
\$1,500	\$ 469	\$ 882	\$1,351	90%
2,000	625	1,028	1,653	83%
2,500	781	1,174	1,955	78%
3,000	938	1,320	2,258	75%
3,500	1,094	1,465	2,559	73%
4,000	1,250	1,611	2,861	72%
15 Years of Service:				
\$1,500	\$281	\$ 882	\$1,163	78%
2,000	375	1,028	1,403	70%
2,500	469	1,174	1,643	66%
3,000	563	1,320	1,883	63%
3,500	656	1,465	2,121	61%
4,000	750	1,611	2,361	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 2016 - 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	\$ 882	\$1,670	111%
2,000	1,050	1,028	2,078	104%
2,500	1,313	1,174	2,487	99%
3,000	1,575	1,320	2,895	97%
3,500	1,838	1,465	3,303	94%
4,000	2,100	1,611	3,711	93%
25 Years of Service:				
\$1,500	\$ 563	\$ 882	\$1,445	96%
2,000	750	1,028	1,778	89%
2,500	938	1,174	2,112	84%
3,000	1,125	1,320	2,445	82%
3,500	1,313	1,465	2,778	79%
4,000	1,500	1,611	3,111	78%
15 Years of Service:				
\$1,500	\$338	\$ 882	\$1,220	81%
2,000	450	1,028	1,478	74%
2,500	563	1,174	1,737	69%
3,000	675	1,320	1,995	67%
3,500	788	1,465	2,253	64%
4,000	900	1,611	2,511	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 2016 - 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	\$ 882	\$1,801	120%
2,000	1,225	1,028	2,253	113%
2,500	1,531	1,174	2,705	108%
3,000	1,838	1,320	3,158	105%
3,500	2,144	1,465	3,609	103%
4,000	2,450	1,611	4,061	102%
25 Years of Service:				
\$1,500	\$ 656	\$ 882	\$1,538	103%
2,000	875	1,028	1,903	95%
2,500	1,094	1,174	2,268	91%
3,000	1,313	1,320	2,633	88%
3,500	1,531	1,465	2,996	86%
4,000	1,750	1,611	3,361	84%
15 Years of Service:				
\$1,500	\$ 394	\$ 882	\$1,276	85%
2,000	525	1,028	1,553	78%
2,500	656	1,174	1,830	73%
3,000	788	1,320	2,108	70%
3,500	919	1,465	2,384	68%
4,000	1,050	1,611	2,661	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 2016 - 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	\$ 882	\$1,932	129%
2,000	1,400	1,028	2,428	121%
2,500	1,750	1,174	2,924	117%
3,000	2,100	1,320	3,420	114%
3,500	2,450	1,465	3,915	112%
4,000	2,800	1,611	4,411	110%
25 Years of Service:				
\$1,500	\$ 750	\$ 882	\$1,632	109%
2,000	1,000	1,028	2,028	101%
2,500	1,250	1,174	2,424	97%
3,000	1,500	1,320	2,820	94%
3,500	1,750	1,465	3,215	92%
4,000	2,000	1,611	3,611	90%
15 Years of Service:				
\$1,500	\$ 450	\$ 882	\$1,332	89%
2,000	600	1,028	1,628	81%
2,500	750	1,174	1,924	77%
3,000	900	1,320	2,220	74%
3,500	1,050	1,465	2,515	72%
4,000	1,200	1,611	2,811	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 2016 - 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 FAS¹ to age 65)
1.00% of FAS¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 525	\$ 882	\$1,050	\$1,407	70%	94%
2,000	1,400	700	1,028	1,400	1,728	70%	86%
2,500	1,750	875	1,174	1,750	2,049	70%	82%
3,000	2,100	1,050	1,320	2,100	2,370	70%	79%
3,500	2,450	1,225	1,465	2,450	2,690	70%	77%
4,000	2,800	1,400	1,611	2,800	3,011	70%	75%
25 Years of Service:							
\$1,500	\$ 750	\$ 375	\$ 882	\$ 750	\$1,257	50%	84%
2,000	1,000	500	1,028	1,000	1,528	50%	76%
2,500	1,250	625	1,174	1,250	1,799	50%	72%
3,000	1,500	750	1,320	1,500	2,070	50%	69%
3,500	1,750	875	1,465	1,750	2,340	50%	67%
4,000	2,000	1,000	1,611	2,000	2,611	50%	65%
15 Years of Service:							
\$1,500	\$ 450	\$225	\$ 882	\$ 450	\$1,107	30%	74%
2,000	600	300	1,028	600	1,328	30%	66%
2,500	750	375	1,174	750	1,549	30%	62%
3,000	900	450	1,320	900	1,770	30%	59%
3,500	1,050	525	1,465	1,050	1,990	30%	57%
4,000	1,200	600	1,611	1,200	2,211	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 2016 - 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 FAS¹ to age 65)
1.25% of FAS¹ 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	\$ 882	\$1,050	\$1,538	70%	103%
2,000	1,400	875	1,028	1,400	1,903	70%	95%
2,500	1,750	1,094	1,174	1,750	2,268	70%	91%
3,000	2,100	1,313	1,320	2,100	2,633	70%	88%
3,500	2,450	1,531	1,465	2,450	2,996	70%	86%
4,000	2,800	1,750	1,611	2,800	3,361	70%	84%
25 Years of Service:							
\$1,500	\$ 750	\$ 469	\$ 882	\$ 750	\$1,351	50%	90%
2,000	1,000	625	1,028	1,000	1,653	50%	83%
2,500	1,250	781	1,174	1,250	1,955	50%	78%
3,000	1,500	938	1,320	1,500	2,258	50%	75%
3,500	1,750	1,094	1,465	1,750	2,559	50%	73%
4,000	2,000	1,250	1,611	2,000	2,861	50%	72%
15 Years of Service:							
\$1,500	\$ 450	\$281	\$ 882	\$ 450	\$1,163	30%	78%
2,000	600	375	1,028	600	1,403	30%	70%
2,500	750	469	1,174	750	1,643	30%	66%
3,000	900	563	1,320	900	1,883	30%	63%
3,500	1,050	656	1,465	1,050	2,121	30%	61%
4,000	1,200	750	1,611	1,200	2,361	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 2016 - 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 FAS¹ to age 65)
1.50% of FAS¹ 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	\$ 882	\$1,050	\$1,670	70%	111%
2,000	1,400	1,050	1,028	1,400	2,078	70%	104%
2,500	1,750	1,313	1,174	1,750	2,487	70%	99%
3,000	2,100	1,575	1,320	2,100	2,895	70%	97%
3,500	2,450	1,838	1,465	2,450	3,303	70%	94%
4,000	2,800	2,100	1,611	2,800	3,711	70%	93%
25 Years of Service:							
\$1,500	\$ 750	\$ 563	\$ 882	\$ 750	\$1,445	50%	96%
2,000	1,000	750	1,028	1,000	1,778	50%	89%
2,500	1,250	938	1,174	1,250	2,112	50%	84%
3,000	1,500	1,125	1,320	1,500	2,445	50%	82%
3,500	1,750	1,313	1,465	1,750	2,778	50%	79%
4,000	2,000	1,500	1,611	2,000	3,111	50%	78%
15 Years of Service:							
\$1,500	\$ 450	\$338	\$ 882	\$ 450	\$1,220	30%	81%
2,000	600	450	1,028	600	1,478	30%	74%
2,500	750	563	1,174	750	1,737	30%	69%
3,000	900	675	1,320	900	1,995	30%	67%
3,500	1,050	788	1,465	1,050	2,253	30%	64%
4,000	1,200	900	1,611	1,200	2,511	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 2016 - 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 FAS¹ to age 65)
1.75% of FAS¹ 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	\$ 882	\$1,050	\$1,801	70%	120%
2,000	1,400	1,225	1,028	1,400	2,253	70%	113%
2,500	1,750	1,531	1,174	1,750	2,705	70%	108%
3,000	2,100	1,838	1,320	2,100	3,158	70%	105%
3,500	2,450	2,144	1,465	2,450	3,609	70%	103%
4,000	2,800	2,450	1,611	2,800	4,061	70%	102%
25 Years of Service:							
\$1,500	\$ 750	\$ 656	\$ 882	\$ 750	\$1,538	50%	103%
2,000	1,000	875	1,028	1,000	1,903	50%	95%
2,500	1,250	1,094	1,174	1,250	2,268	50%	91%
3,000	1,500	1,313	1,320	1,500	2,633	50%	88%
3,500	1,750	1,531	1,465	1,750	2,996	50%	86%
4,000	2,000	1,750	1,611	2,000	3,361	50%	84%
15 Years of Service:							
\$1,500	\$ 450	\$ 394	\$ 882	\$ 450	\$1,276	30%	85%
2,000	600	525	1,028	600	1,553	30%	78%
2,500	750	656	1,174	750	1,830	30%	73%
3,000	900	788	1,320	900	2,108	30%	70%
3,500	1,050	919	1,465	1,050	2,384	30%	68%
4,000	1,200	1,050	1,611	1,200	2,661	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 2016 - 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**

Warrenton Fire Protection District - General

July 31, 2016

By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
Under 20									
20-24									
25-29									
30-34									
35-39									
40-44									
45-49									
50-54									
55-59	1							1	\$ 30,825
60-64									
65-69									
70 & Over									
Totals	1							1	\$ 30,825

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

Age: 55.5 years.

Benefit Service: 4.4 years.

Annual Pay: \$30,825.

Warrenton Fire Protection District - Fire

July 31, 2016

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	\$ 42,500
30-34	1	1						2	\$ 89,709
35-39									
40-44		1						1	\$ 52,123
45-49	1		2					3	\$ 165,859
50-54									
55-59									
60-64									
65-69									
70 & Over									
Totals	2	3	2					7	\$ 350,191

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

Age: 38.8 years.

Benefit Service: 8.0 years.

Annual Pay: \$50,027.



Gabriel Roeder Smith & Company
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September 14, 2016 E-mail

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

Dear Keith:

Enclosed is the report of the July 31, 2016 Initial Actuarial
Valuation of LAGERS benefits for the employees of

Warrenton Fire Protection District

Sincerely,

A handwritten signature in black ink that reads 'Mita Drazilov'.

Mita D. Drazilov

MDD:adh

September 14, 2016

Warrenton Fire Protection District
Warrenton, Missouri

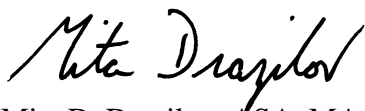
Ladies and Gentlemen:

This report contains projections needed to comply with Missouri state disclosure requirements (Section 105.660 of the RSMo) regarding the adoption of LAGERS benefits by a political subdivision. This report is intended to be a supplement to the July 31, 2016 Initial Valuation for the Warrenton Fire Protection District dated September 14, 2016.

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 29, 2016.

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 opinion herein.

Respectfully submitted,



Mita D. Drazilov, ASA, MAAA

Warrenton Fire Protection District - General

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	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
2016	\$ 30,825	8.3%	\$2,558	\$ 18,024	11.1%	\$3,422	\$ 22,937	9.5%	\$2,928	\$ 20,169
2017	31,827	8.3	2,642	18,271	11.1	3,533	23,251	9.5	3,024	20,445
2018	32,861	8.3	2,727	18,501	11.1	3,648	23,544	9.5	3,122	20,703
2019	33,929	8.3	2,816	18,713	11.1	3,766	23,813	9.5	3,223	20,940
2020	35,032	8.3	2,908	18,903	11.1	3,889	24,055	9.5	3,328	21,153
2021	36,171	8.3	3,002	19,069	11.1	4,015	24,266	9.5	3,436	21,339
2022	37,347	8.3	3,100	19,208	11.1	4,146	24,443	9.5	3,548	21,494
2023	38,561	8.3	3,201	19,317	11.1	4,280	24,581	9.5	3,663	21,615
2024	39,814	8.3	3,305	19,392	11.1	4,419	24,676	9.5	3,782	21,699
2025	41,108	8.3	3,412	19,429	11.1	4,563	24,723	9.5	3,905	21,740

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
2016	\$ 30,825	12.0%	\$3,699	\$ 24,548	13.8%	\$4,254	\$ 27,851	14.4%	\$4,439	\$ 28,924
2017	31,827	12.0	3,819	24,884	13.8	4,392	28,233	14.4	4,583	29,320
2018	32,861	12.0	3,943	25,198	13.8	4,535	28,589	14.4	4,732	29,690
2019	33,929	12.0	4,071	25,486	13.8	4,682	28,916	14.4	4,886	30,029
2020	35,032	12.0	4,204	25,745	13.8	4,834	29,210	14.4	5,045	30,334
2021	36,171	12.0	4,341	25,971	13.8	4,992	29,467	14.4	5,209	30,600
2022	37,347	12.0	4,482	26,160	13.8	5,154	29,682	14.4	5,378	30,823
2023	38,561	12.0	4,627	26,308	13.8	5,321	29,850	14.4	5,553	30,997
2024	39,814	12.0	4,778	26,410	13.8	5,494	29,965	14.4	5,733	31,117
2025	41,108	12.0	4,933	26,460	13.8	5,673	30,022	14.4	5,920	31,176

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
2016	\$ 30,825	16.6%	\$5,117	\$ 32,772	16.9%	\$5,209	\$ 33,304	19.4%	\$5,980	\$ 37,688
2017	31,827	16.6	5,283	33,221	16.9	5,379	33,760	19.4	6,174	38,204
2018	32,861	16.6	5,455	33,640	16.9	5,554	34,186	19.4	6,375	38,686
2019	33,929	16.6	5,632	34,025	16.9	5,734	34,577	19.4	6,582	39,128
2020	35,032	16.6	5,815	34,371	16.9	5,920	34,928	19.4	6,796	39,526
2021	36,171	16.6	6,004	34,673	16.9	6,113	35,235	19.4	7,017	39,873
2022	37,347	16.6	6,200	34,926	16.9	6,312	35,492	19.4	7,245	40,163
2023	38,561	16.6	6,401	35,123	16.9	6,517	35,693	19.4	7,481	40,390
2024	39,814	16.6	6,609	35,259	16.9	6,729	35,831	19.4	7,724	40,546
2025	41,108	16.6	6,824	35,326	16.9	6,947	35,899	19.4	7,975	40,623

Notes regarding the above projections:

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

Warrenton Fire Protection District - General

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 30,825	8.7%	\$2,682	\$ 18,681	11.6%	\$3,576	\$ 23,760	9.9%	\$3,052	\$ 20,906
2017	31,827	8.7	2,769	18,937	11.6	3,692	24,086	9.9	3,151	21,192
2018	32,861	8.7	2,859	19,176	11.6	3,812	24,390	9.9	3,253	21,459
2019	33,929	8.7	2,952	19,395	11.6	3,936	24,669	9.9	3,359	21,704
2020	35,032	8.7	3,048	19,592	11.6	4,064	24,920	9.9	3,468	21,925
2021	36,171	8.7	3,147	19,764	11.6	4,196	25,139	9.9	3,581	22,118
2022	37,347	8.7	3,249	19,908	11.6	4,332	25,322	9.9	3,697	22,279
2023	38,561	8.7	3,355	20,021	11.6	4,473	25,465	9.9	3,818	22,405
2024	39,814	8.7	3,464	20,098	11.6	4,618	25,563	9.9	3,942	22,492
2025	41,108	8.7	3,576	20,136	11.6	4,769	25,612	9.9	4,070	22,535

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
2016	\$ 30,825	12.6%	\$3,884	\$ 25,431	14.4%	\$4,439	\$ 28,840	15.0%	\$4,624	\$ 29,954
2017	31,827	12.6	4,010	25,779	14.4	4,583	29,235	15.0	4,774	30,364
2018	32,861	12.6	4,140	26,104	14.4	4,732	29,604	15.0	4,929	30,747
2019	33,929	12.6	4,275	26,402	14.4	4,886	29,942	15.0	5,089	31,099
2020	35,032	12.6	4,414	26,670	14.4	5,045	30,246	15.0	5,255	31,415
2021	36,171	12.6	4,558	26,904	14.4	5,209	30,512	15.0	5,426	31,691
2022	37,347	12.6	4,706	27,100	14.4	5,378	30,734	15.0	5,602	31,922
2023	38,561	12.6	4,859	27,253	14.4	5,553	30,908	15.0	5,784	32,102
2024	39,814	12.6	5,017	27,358	14.4	5,733	31,028	15.0	5,972	32,226
2025	41,108	12.6	5,180	27,410	14.4	5,920	31,087	15.0	6,166	32,288

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
2016	\$ 30,825	17.3%	\$5,333	\$ 33,926	17.6%	\$5,425	\$ 34,478	20.2%	\$6,227	\$ 39,014
2017	31,827	17.3	5,506	34,391	17.6	5,602	34,950	20.2	6,429	39,548
2018	32,861	17.3	5,685	34,825	17.6	5,784	35,391	20.2	6,638	40,047
2019	33,929	17.3	5,870	35,223	17.6	5,972	35,796	20.2	6,854	40,505
2020	35,032	17.3	6,061	35,581	17.6	6,166	36,160	20.2	7,076	40,917
2021	36,171	17.3	6,258	35,893	17.6	6,366	36,478	20.2	7,307	41,276
2022	37,347	17.3	6,461	36,154	17.6	6,573	36,744	20.2	7,544	41,577
2023	38,561	17.3	6,671	36,358	17.6	6,787	36,952	20.2	7,789	41,812
2024	39,814	17.3	6,888	36,499	17.6	7,007	37,095	20.2	8,042	41,974
2025	41,108	17.3	7,112	36,569	17.6	7,235	37,166	20.2	8,304	42,054

Notes regarding the above projections:

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

Warrenton Fire Protection District - General

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

(0% member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 30,825	11.9%	\$3,668	\$ 19,624	14.6%	\$4,500	\$ 24,532	13.0%	\$4,007	\$ 21,763
2017	31,827	11.9	3,787	19,893	14.6	4,647	24,868	13.0	4,138	22,061
2018	32,861	11.9	3,910	20,144	14.6	4,798	25,182	13.0	4,272	22,339
2019	33,929	11.9	4,038	20,374	14.6	4,954	25,470	13.0	4,411	22,594
2020	35,032	11.9	4,169	20,581	14.6	5,115	25,729	13.0	4,554	22,824
2021	36,171	11.9	4,304	20,762	14.6	5,281	25,955	13.0	4,702	23,024
2022	37,347	11.9	4,444	20,913	14.6	5,453	26,144	13.0	4,855	23,192
2023	38,561	11.9	4,589	21,031	14.6	5,630	26,292	13.0	5,013	23,323
2024	39,814	11.9	4,738	21,112	14.6	5,813	26,394	13.0	5,176	23,413
2025	41,108	11.9	4,892	21,152	14.6	6,002	26,444	13.0	5,344	23,458

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
2016	\$ 30,825	15.5%	\$4,778	\$ 26,128	17.3%	\$5,333	\$ 29,443	17.9%	\$5,518	\$ 30,505
2017	31,827	15.5	4,933	26,486	17.3	5,506	29,846	17.9	5,697	30,923
2018	32,861	15.5	5,093	26,820	17.3	5,685	30,222	17.9	5,882	31,313
2019	33,929	15.5	5,259	27,127	17.3	5,870	30,568	17.9	6,073	31,671
2020	35,032	15.5	5,430	27,403	17.3	6,061	30,879	17.9	6,271	31,993
2021	36,171	15.5	5,607	27,644	17.3	6,258	31,150	17.9	6,475	32,274
2022	37,347	15.5	5,789	27,845	17.3	6,461	31,377	17.9	6,685	32,509
2023	38,561	15.5	5,977	28,002	17.3	6,671	31,554	17.9	6,902	32,693
2024	39,814	15.5	6,171	28,110	17.3	6,888	31,676	17.9	7,127	32,819
2025	41,108	15.5	6,372	28,164	17.3	7,112	31,736	17.9	7,358	32,882

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
2016	\$ 30,825	20.1%	\$6,196	\$ 34,343	20.4%	\$6,288	\$ 34,876	22.9%	\$7,059	\$ 39,254
2017	31,827	20.1	6,397	34,813	20.4	6,493	35,354	22.9	7,288	39,792
2018	32,861	20.1	6,605	35,252	20.4	6,704	35,800	22.9	7,525	40,294
2019	33,929	20.1	6,820	35,655	20.4	6,922	36,209	22.9	7,770	40,755
2020	35,032	20.1	7,041	36,017	20.4	7,147	36,577	22.9	8,022	41,169
2021	36,171	20.1	7,270	36,333	20.4	7,379	36,898	22.9	8,283	41,531
2022	37,347	20.1	7,507	36,598	20.4	7,619	37,167	22.9	8,552	41,834
2023	38,561	20.1	7,751	36,805	20.4	7,866	37,377	22.9	8,830	42,070
2024	39,814	20.1	8,003	36,947	20.4	8,122	37,522	22.9	9,117	42,233
2025	41,108	20.1	8,263	37,018	20.4	8,386	37,594	22.9	9,414	42,314

Notes regarding the above projections:

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

Warrenton Fire Protection District - General

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

(0% member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 30,825	12.2%	\$3,761	\$ 20,286	15.2%	\$4,685	\$ 25,358	13.4%	\$4,131	\$ 22,496
2017	31,827	12.2	3,883	20,564	15.2	4,838	25,705	13.4	4,265	22,804
2018	32,861	12.2	4,009	20,823	15.2	4,995	26,029	13.4	4,403	23,092
2019	33,929	12.2	4,139	21,061	15.2	5,157	26,327	13.4	4,546	23,356
2020	35,032	12.2	4,274	21,275	15.2	5,325	26,595	13.4	4,694	23,593
2021	36,171	12.2	4,413	21,462	15.2	5,498	26,829	13.4	4,847	23,800
2022	37,347	12.2	4,556	21,618	15.2	5,677	27,024	13.4	5,004	23,973
2023	38,561	12.2	4,704	21,740	15.2	5,861	27,177	13.4	5,167	24,108
2024	39,814	12.2	4,857	21,824	15.2	6,052	27,282	13.4	5,335	24,201
2025	41,108	12.2	5,015	21,866	15.2	6,248	27,334	13.4	5,508	24,247

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
2016	\$ 30,825	16.1%	\$4,963	\$ 27,013	17.9%	\$5,518	\$ 30,429	18.5%	\$5,703	\$ 31,538
2017	31,827	16.1	5,124	27,383	17.9	5,697	30,846	18.5	5,888	31,970
2018	32,861	16.1	5,291	27,728	17.9	5,882	31,235	18.5	6,079	32,373
2019	33,929	16.1	5,463	28,045	17.9	6,073	31,592	18.5	6,277	32,743
2020	35,032	16.1	5,640	28,330	17.9	6,271	31,913	18.5	6,481	33,076
2021	36,171	16.1	5,824	28,579	17.9	6,475	32,193	18.5	6,692	33,366
2022	37,347	16.1	6,013	28,787	17.9	6,685	32,428	18.5	6,909	33,609
2023	38,561	16.1	6,208	28,950	17.9	6,902	32,611	18.5	7,134	33,799
2024	39,814	16.1	6,410	29,062	17.9	7,127	32,737	18.5	7,366	33,930
2025	41,108	16.1	6,618	29,117	17.9	7,358	32,800	18.5	7,605	33,995

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
2016	\$ 30,825	20.8%	\$6,412	\$ 35,500	21.1%	\$6,504	\$ 36,055	23.7%	\$7,306	\$ 40,573
2017	31,827	20.8	6,620	35,986	21.1	6,715	36,549	23.7	7,543	41,129
2018	32,861	20.8	6,835	36,440	21.1	6,934	37,010	23.7	7,788	41,648
2019	33,929	20.8	7,057	36,857	21.1	7,159	37,433	23.7	8,041	42,124
2020	35,032	20.8	7,287	37,232	21.1	7,392	37,813	23.7	8,303	42,552
2021	36,171	20.8	7,524	37,559	21.1	7,632	38,145	23.7	8,573	42,926
2022	37,347	20.8	7,768	37,833	21.1	7,880	38,423	23.7	8,851	43,239
2023	38,561	20.8	8,021	38,047	21.1	8,136	38,640	23.7	9,139	43,483
2024	39,814	20.8	8,281	38,194	21.1	8,401	38,789	23.7	9,436	43,651
2025	41,108	20.8	8,550	38,267	21.1	8,674	38,863	23.7	9,743	43,734

Notes regarding the above projections:

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

Warrenton Fire Protection District - General

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 30,825	8.3%	\$2,558	\$ 18,024	11.1%	\$3,422	\$ 22,937	9.5%	\$2,928	\$ 20,169
2017	31,827	8.3	2,642	18,271	11.1	3,533	23,251	9.5	3,024	20,445
2018	32,861	8.3	2,727	18,501	11.1	3,648	23,544	9.5	3,122	20,703
2019	33,929	8.3	2,816	18,713	11.1	3,766	23,813	9.5	3,223	20,940
2020	35,032	8.3	2,908	18,903	11.1	3,889	24,055	9.5	3,328	21,153
2021	36,171	8.3	3,002	19,069	11.1	4,015	24,266	9.5	3,436	21,339
2022	37,347	8.3	3,100	19,208	11.1	4,146	24,443	9.5	3,548	21,494
2023	38,561	8.3	3,201	19,317	11.1	4,280	24,581	9.5	3,663	21,615
2024	39,814	8.3	3,305	19,392	11.1	4,419	24,676	9.5	3,782	21,699
2025	41,108	8.3	3,412	19,429	11.1	4,563	24,723	9.5	3,905	21,740

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
2016	\$ 30,825	12.0%	\$3,699	\$ 24,548	13.8%	\$4,254	\$ 27,851	14.4%	\$4,439	\$ 28,924
2017	31,827	12.0	3,819	24,884	13.8	4,392	28,233	14.4	4,583	29,320
2018	32,861	12.0	3,943	25,198	13.8	4,535	28,589	14.4	4,732	29,690
2019	33,929	12.0	4,071	25,486	13.8	4,682	28,916	14.4	4,886	30,029
2020	35,032	12.0	4,204	25,745	13.8	4,834	29,210	14.4	5,045	30,334
2021	36,171	12.0	4,341	25,971	13.8	4,992	29,467	14.4	5,209	30,600
2022	37,347	12.0	4,482	26,160	13.8	5,154	29,682	14.4	5,378	30,823
2023	38,561	12.0	4,627	26,308	13.8	5,321	29,850	14.4	5,553	30,997
2024	39,814	12.0	4,778	26,410	13.8	5,494	29,965	14.4	5,733	31,117
2025	41,108	12.0	4,933	26,460	13.8	5,673	30,022	14.4	5,920	31,176

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
2016	\$ 30,825	16.6%	\$5,117	\$ 32,772	16.9%	\$5,209	\$ 33,304	19.4%	\$5,980	\$ 37,688
2017	31,827	16.6	5,283	33,221	16.9	5,379	33,760	19.4	6,174	38,204
2018	32,861	16.6	5,455	33,640	16.9	5,554	34,186	19.4	6,375	38,686
2019	33,929	16.6	5,632	34,025	16.9	5,734	34,577	19.4	6,582	39,128
2020	35,032	16.6	5,815	34,371	16.9	5,920	34,928	19.4	6,796	39,526
2021	36,171	16.6	6,004	34,673	16.9	6,113	35,235	19.4	7,017	39,873
2022	37,347	16.6	6,200	34,926	16.9	6,312	35,492	19.4	7,245	40,163
2023	38,561	16.6	6,401	35,123	16.9	6,517	35,693	19.4	7,481	40,390
2024	39,814	16.6	6,609	35,259	16.9	6,729	35,831	19.4	7,724	40,546
2025	41,108	16.6	6,824	35,326	16.9	6,947	35,899	19.4	7,975	40,623

Notes regarding the above projections:

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

Warrenton Fire Protection District - General

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 30,825	8.7%	\$2,682	\$ 18,681	11.6%	\$3,576	\$ 23,760	9.9%	\$3,052	\$ 20,906
2017	31,827	8.7	2,769	18,937	11.6	3,692	24,086	9.9	3,151	21,192
2018	32,861	8.7	2,859	19,176	11.6	3,812	24,390	9.9	3,253	21,459
2019	33,929	8.7	2,952	19,395	11.6	3,936	24,669	9.9	3,359	21,704
2020	35,032	8.7	3,048	19,592	11.6	4,064	24,920	9.9	3,468	21,925
2021	36,171	8.7	3,147	19,764	11.6	4,196	25,139	9.9	3,581	22,118
2022	37,347	8.7	3,249	19,908	11.6	4,332	25,322	9.9	3,697	22,279
2023	38,561	8.7	3,355	20,021	11.6	4,473	25,465	9.9	3,818	22,405
2024	39,814	8.7	3,464	20,098	11.6	4,618	25,563	9.9	3,942	22,492
2025	41,108	8.7	3,576	20,136	11.6	4,769	25,612	9.9	4,070	22,535

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
2016	\$ 30,825	12.6%	\$3,884	\$ 25,431	14.4%	\$4,439	\$ 28,840	15.0%	\$4,624	\$ 29,954
2017	31,827	12.6	4,010	25,779	14.4	4,583	29,235	15.0	4,774	30,364
2018	32,861	12.6	4,140	26,104	14.4	4,732	29,604	15.0	4,929	30,747
2019	33,929	12.6	4,275	26,402	14.4	4,886	29,942	15.0	5,089	31,099
2020	35,032	12.6	4,414	26,670	14.4	5,045	30,246	15.0	5,255	31,415
2021	36,171	12.6	4,558	26,904	14.4	5,209	30,512	15.0	5,426	31,691
2022	37,347	12.6	4,706	27,100	14.4	5,378	30,734	15.0	5,602	31,922
2023	38,561	12.6	4,859	27,253	14.4	5,553	30,908	15.0	5,784	32,102
2024	39,814	12.6	5,017	27,358	14.4	5,733	31,028	15.0	5,972	32,226
2025	41,108	12.6	5,180	27,410	14.4	5,920	31,087	15.0	6,166	32,288

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
2016	\$ 30,825	17.3%	\$5,333	\$ 33,926	17.6%	\$5,425	\$ 34,478	20.2%	\$6,227	\$ 39,014
2017	31,827	17.3	5,506	34,391	17.6	5,602	34,950	20.2	6,429	39,548
2018	32,861	17.3	5,685	34,825	17.6	5,784	35,391	20.2	6,638	40,047
2019	33,929	17.3	5,870	35,223	17.6	5,972	35,796	20.2	6,854	40,505
2020	35,032	17.3	6,061	35,581	17.6	6,166	36,160	20.2	7,076	40,917
2021	36,171	17.3	6,258	35,893	17.6	6,366	36,478	20.2	7,307	41,276
2022	37,347	17.3	6,461	36,154	17.6	6,573	36,744	20.2	7,544	41,577
2023	38,561	17.3	6,671	36,358	17.6	6,787	36,952	20.2	7,789	41,812
2024	39,814	17.3	6,888	36,499	17.6	7,007	37,095	20.2	8,042	41,974
2025	41,108	17.3	7,112	36,569	17.6	7,235	37,166	20.2	8,304	42,054

Notes regarding the above projections:

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

Warrenton Fire Protection District - General

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

(0% member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 30,825	11.9%	\$3,668	\$ 19,624	14.6%	\$4,500	\$ 24,532	13.0%	\$4,007	\$ 21,763
2017	31,827	11.9	3,787	19,893	14.6	4,647	24,868	13.0	4,138	22,061
2018	32,861	11.9	3,910	20,144	14.6	4,798	25,182	13.0	4,272	22,339
2019	33,929	11.9	4,038	20,374	14.6	4,954	25,470	13.0	4,411	22,594
2020	35,032	11.9	4,169	20,581	14.6	5,115	25,729	13.0	4,554	22,824
2021	36,171	11.9	4,304	20,762	14.6	5,281	25,955	13.0	4,702	23,024
2022	37,347	11.9	4,444	20,913	14.6	5,453	26,144	13.0	4,855	23,192
2023	38,561	11.9	4,589	21,031	14.6	5,630	26,292	13.0	5,013	23,323
2024	39,814	11.9	4,738	21,112	14.6	5,813	26,394	13.0	5,176	23,413
2025	41,108	11.9	4,892	21,152	14.6	6,002	26,444	13.0	5,344	23,458

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
2016	\$ 30,825	15.5%	\$4,778	\$ 26,128	17.3%	\$5,333	\$ 29,443	17.9%	\$5,518	\$ 30,505
2017	31,827	15.5	4,933	26,486	17.3	5,506	29,846	17.9	5,697	30,923
2018	32,861	15.5	5,093	26,820	17.3	5,685	30,222	17.9	5,882	31,313
2019	33,929	15.5	5,259	27,127	17.3	5,870	30,568	17.9	6,073	31,671
2020	35,032	15.5	5,430	27,403	17.3	6,061	30,879	17.9	6,271	31,993
2021	36,171	15.5	5,607	27,644	17.3	6,258	31,150	17.9	6,475	32,274
2022	37,347	15.5	5,789	27,845	17.3	6,461	31,377	17.9	6,685	32,509
2023	38,561	15.5	5,977	28,002	17.3	6,671	31,554	17.9	6,902	32,693
2024	39,814	15.5	6,171	28,110	17.3	6,888	31,676	17.9	7,127	32,819
2025	41,108	15.5	6,372	28,164	17.3	7,112	31,736	17.9	7,358	32,882

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
2016	\$ 30,825	20.1%	\$6,196	\$ 34,343	20.4%	\$6,288	\$ 34,876	22.9%	\$7,059	\$ 39,254
2017	31,827	20.1	6,397	34,813	20.4	6,493	35,354	22.9	7,288	39,792
2018	32,861	20.1	6,605	35,252	20.4	6,704	35,800	22.9	7,525	40,294
2019	33,929	20.1	6,820	35,655	20.4	6,922	36,209	22.9	7,770	40,755
2020	35,032	20.1	7,041	36,017	20.4	7,147	36,577	22.9	8,022	41,169
2021	36,171	20.1	7,270	36,333	20.4	7,379	36,898	22.9	8,283	41,531
2022	37,347	20.1	7,507	36,598	20.4	7,619	37,167	22.9	8,552	41,834
2023	38,561	20.1	7,751	36,805	20.4	7,866	37,377	22.9	8,830	42,070
2024	39,814	20.1	8,003	36,947	20.4	8,122	37,522	22.9	9,117	42,233
2025	41,108	20.1	8,263	37,018	20.4	8,386	37,594	22.9	9,414	42,314

Notes regarding the above projections:

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

Warrenton Fire Protection District - General

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

(0% member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 30,825	12.2%	\$3,761	\$ 20,286	15.2%	\$4,685	\$ 25,358	13.4%	\$4,131	\$ 22,496
2017	31,827	12.2	3,883	20,564	15.2	4,838	25,705	13.4	4,265	22,804
2018	32,861	12.2	4,009	20,823	15.2	4,995	26,029	13.4	4,403	23,092
2019	33,929	12.2	4,139	21,061	15.2	5,157	26,327	13.4	4,546	23,356
2020	35,032	12.2	4,274	21,275	15.2	5,325	26,595	13.4	4,694	23,593
2021	36,171	12.2	4,413	21,462	15.2	5,498	26,829	13.4	4,847	23,800
2022	37,347	12.2	4,556	21,618	15.2	5,677	27,024	13.4	5,004	23,973
2023	38,561	12.2	4,704	21,740	15.2	5,861	27,177	13.4	5,167	24,108
2024	39,814	12.2	4,857	21,824	15.2	6,052	27,282	13.4	5,335	24,201
2025	41,108	12.2	5,015	21,866	15.2	6,248	27,334	13.4	5,508	24,247

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
2016	\$ 30,825	16.1%	\$4,963	\$ 27,013	17.9%	\$5,518	\$ 30,429	18.5%	\$5,703	\$ 31,538
2017	31,827	16.1	5,124	27,383	17.9	5,697	30,846	18.5	5,888	31,970
2018	32,861	16.1	5,291	27,728	17.9	5,882	31,235	18.5	6,079	32,373
2019	33,929	16.1	5,463	28,045	17.9	6,073	31,592	18.5	6,277	32,743
2020	35,032	16.1	5,640	28,330	17.9	6,271	31,913	18.5	6,481	33,076
2021	36,171	16.1	5,824	28,579	17.9	6,475	32,193	18.5	6,692	33,366
2022	37,347	16.1	6,013	28,787	17.9	6,685	32,428	18.5	6,909	33,609
2023	38,561	16.1	6,208	28,950	17.9	6,902	32,611	18.5	7,134	33,799
2024	39,814	16.1	6,410	29,062	17.9	7,127	32,737	18.5	7,366	33,930
2025	41,108	16.1	6,618	29,117	17.9	7,358	32,800	18.5	7,605	33,995

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
2016	\$ 30,825	20.8%	\$6,412	\$ 35,500	21.1%	\$6,504	\$ 36,055	23.7%	\$7,306	\$ 40,573
2017	31,827	20.8	6,620	35,986	21.1	6,715	36,549	23.7	7,543	41,129
2018	32,861	20.8	6,835	36,440	21.1	6,934	37,010	23.7	7,788	41,648
2019	33,929	20.8	7,057	36,857	21.1	7,159	37,433	23.7	8,041	42,124
2020	35,032	20.8	7,287	37,232	21.1	7,392	37,813	23.7	8,303	42,552
2021	36,171	20.8	7,524	37,559	21.1	7,632	38,145	23.7	8,573	42,926
2022	37,347	20.8	7,768	37,833	21.1	7,880	38,423	23.7	8,851	43,239
2023	38,561	20.8	8,021	38,047	21.1	8,136	38,640	23.7	9,139	43,483
2024	39,814	20.8	8,281	38,194	21.1	8,401	38,789	23.7	9,436	43,651
2025	41,108	20.8	8,550	38,267	21.1	8,674	38,863	23.7	9,743	43,734

Notes regarding the above projections:

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

Warrenton Fire Protection District - Fire

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	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
2016	\$ 350,191	9.8%	\$34,319	\$ 285,589	12.9%	\$45,175	\$ 359,660	13.3%	\$46,575	\$ 375,529
2017	361,572	9.8	35,434	289,502	12.9	46,643	364,587	13.3	48,089	380,674
2018	373,323	9.8	36,586	293,152	12.9	48,159	369,184	13.3	49,652	385,474
2019	385,456	9.8	37,775	296,504	12.9	49,724	373,405	13.3	51,266	389,881
2020	397,983	9.8	39,002	299,517	12.9	51,340	377,199	13.3	52,932	393,843
2021	410,917	9.8	40,270	302,147	12.9	53,008	380,512	13.3	54,652	397,302
2022	424,272	9.8	41,579	304,348	12.9	54,731	383,284	13.3	56,428	400,196
2023	438,061	9.8	42,930	306,068	12.9	56,510	385,450	13.3	58,262	402,458
2024	452,298	9.8	44,325	307,252	12.9	58,346	386,941	13.3	60,156	404,014
2025	466,998	9.8	45,766	307,839	12.9	60,243	387,680	13.3	62,111	404,785

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
2016	\$ 350,191	15.5%	\$54,280	\$ 427,148	16.1%	\$56,381	\$ 433,453	17.9%	\$62,684	\$ 478,397
2017	361,572	15.5	56,044	433,000	16.1	58,213	439,391	17.9	64,721	484,951
2018	373,323	15.5	57,865	438,460	16.1	60,105	444,931	17.9	66,825	491,066
2019	385,456	15.5	59,746	443,473	16.1	62,058	450,018	17.9	68,997	496,680
2020	397,983	15.5	61,687	447,979	16.1	64,075	454,591	17.9	71,239	501,727
2021	410,917	15.5	63,692	451,913	16.1	66,158	458,583	17.9	73,554	506,133
2022	424,272	15.5	65,762	455,205	16.1	68,308	461,923	17.9	75,945	509,820
2023	438,061	15.5	67,899	457,778	16.1	70,528	464,534	17.9	78,413	512,701
2024	452,298	15.5	70,106	459,548	16.1	72,820	466,330	17.9	80,961	514,684
2025	466,998	15.5	72,385	460,425	16.1	75,187	467,220	17.9	83,593	515,667

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
2016	\$ 350,191	19.3%	\$67,587	\$ 506,995	20.1%	\$70,388	\$ 529,491	22.5%	\$78,793	\$ 580,562
2017	361,572	19.3	69,783	513,941	20.1	72,676	536,745	22.5	81,354	588,516
2018	373,323	19.3	72,051	520,421	20.1	75,038	543,513	22.5	83,998	595,937
2019	385,456	19.3	74,393	526,371	20.1	77,477	549,727	22.5	86,728	602,750
2020	397,983	19.3	76,811	531,719	20.1	79,995	555,313	22.5	89,546	608,874
2021	410,917	19.3	79,307	536,389	20.1	82,594	560,190	22.5	92,456	614,221
2022	424,272	19.3	81,884	540,296	20.1	85,279	564,271	22.5	95,461	618,695
2023	438,061	19.3	84,546	543,350	20.1	88,050	567,460	22.5	98,564	622,192
2024	452,298	19.3	87,294	545,451	20.1	90,912	569,654	22.5	101,767	624,598
2025	466,998	19.3	90,131	546,493	20.1	93,867	570,742	22.5	105,075	625,791

Notes regarding the above projections:

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

Warrenton Fire Protection District - Fire

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 350,191	10.3%	\$36,070	\$ 296,091	13.6%	\$47,626	\$ 372,621	13.8%	\$48,326	\$ 389,261
2017	361,572	10.3	37,242	300,147	13.6	49,174	377,726	13.8	49,897	394,594
2018	373,323	10.3	38,452	303,932	13.6	50,772	382,489	13.8	51,519	399,570
2019	385,456	10.3	39,702	307,407	13.6	52,422	386,862	13.8	53,193	404,138
2020	397,983	10.3	40,992	310,531	13.6	54,126	390,793	13.8	54,922	408,244
2021	410,917	10.3	42,324	313,258	13.6	55,885	394,225	13.8	56,707	411,829
2022	424,272	10.3	43,700	315,540	13.6	57,701	397,097	13.8	58,550	414,829
2023	438,061	10.3	45,120	317,323	13.6	59,576	399,341	13.8	60,452	417,173
2024	452,298	10.3	46,587	318,550	13.6	61,513	400,885	13.8	62,417	418,786
2025	466,998	10.3	48,101	319,158	13.6	63,512	401,650	13.8	64,446	419,586

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
2016	\$ 350,191	16.2%	\$56,731	\$ 442,526	16.8%	\$58,832	\$ 448,920	18.6%	\$65,136	\$ 495,514
2017	361,572	16.2	58,575	448,589	16.8	60,744	455,070	18.6	67,252	502,302
2018	373,323	16.2	60,478	454,245	16.8	62,718	460,808	18.6	69,438	508,636
2019	385,456	16.2	62,444	459,438	16.8	64,757	466,076	18.6	71,695	514,451
2020	397,983	16.2	64,473	464,106	16.8	66,861	470,812	18.6	74,025	519,678
2021	410,917	16.2	66,569	468,182	16.8	69,034	474,947	18.6	76,431	524,242
2022	424,272	16.2	68,732	471,592	16.8	71,278	478,407	18.6	78,915	528,061
2023	438,061	16.2	70,966	474,257	16.8	73,594	481,111	18.6	81,479	531,045
2024	452,298	16.2	73,272	476,091	16.8	75,986	482,971	18.6	84,127	533,099
2025	466,998	16.2	75,654	477,000	16.8	78,456	483,893	18.6	86,862	534,117

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
2016	\$ 350,191	20.1%	\$70,388	\$ 525,059	20.9%	\$73,190	\$ 548,382	23.3%	\$81,595	\$ 601,196
2017	361,572	20.1	72,676	532,252	20.9	75,569	555,895	23.3	84,246	609,432
2018	373,323	20.1	75,038	538,963	20.9	78,025	562,904	23.3	86,984	617,117
2019	385,456	20.1	77,477	545,125	20.9	80,560	569,340	23.3	89,811	624,172
2020	397,983	20.1	79,995	550,664	20.9	83,178	575,125	23.3	92,730	630,514
2021	410,917	20.1	82,594	555,500	20.9	85,882	580,176	23.3	95,744	636,051
2022	424,272	20.1	85,279	559,546	20.9	88,673	584,402	23.3	98,855	640,684
2023	438,061	20.1	88,050	562,708	20.9	91,555	587,705	23.3	102,068	644,305
2024	452,298	20.1	90,912	564,884	20.9	94,530	589,978	23.3	105,385	646,797
2025	466,998	20.1	93,867	565,963	20.9	97,603	591,105	23.3	108,811	648,032

Notes regarding the above projections:

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

Warrenton Fire Protection District - Fire

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

(0% member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 350,191	13.7%	\$47,976	\$ 298,036	16.8%	\$58,832	\$ 372,550	17.2%	\$60,233	\$ 387,584
2017	361,572	13.7	49,535	302,119	16.8	60,744	377,654	17.2	62,190	392,894
2018	373,323	13.7	51,145	305,929	16.8	62,718	382,416	17.2	64,212	397,848
2019	385,456	13.7	52,807	309,427	16.8	64,757	386,788	17.2	66,298	402,397
2020	397,983	13.7	54,524	312,571	16.8	66,861	390,718	17.2	68,453	406,486
2021	410,917	13.7	56,296	315,316	16.8	69,034	394,149	17.2	70,678	410,056
2022	424,272	13.7	58,125	317,613	16.8	71,278	397,020	17.2	72,975	413,043
2023	438,061	13.7	60,014	319,408	16.8	73,594	399,264	17.2	75,346	415,377
2024	452,298	13.7	61,965	320,643	16.8	75,986	400,808	17.2	77,795	416,983
2025	466,998	13.7	63,979	321,255	16.8	78,456	401,573	17.2	80,324	417,779

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 350,191	19.4%	\$67,937	\$ 439,717	20.0%	\$70,038	\$ 447,102	21.8%	\$76,342	\$ 491,886
2017	361,572	19.4	70,145	445,741	20.0	72,314	453,227	21.8	78,823	498,625
2018	373,323	19.4	72,425	451,362	20.0	74,665	458,942	21.8	81,384	504,912
2019	385,456	19.4	74,778	456,522	20.0	77,091	464,189	21.8	84,029	510,685
2020	397,983	19.4	77,209	461,161	20.0	79,597	468,906	21.8	86,760	515,874
2021	410,917	19.4	79,718	465,211	20.0	82,183	473,024	21.8	89,580	520,405
2022	424,272	19.4	82,309	468,600	20.0	84,854	476,470	21.8	92,491	524,196
2023	438,061	19.4	84,984	471,248	20.0	87,612	479,163	21.8	95,497	527,159
2024	452,298	19.4	87,746	473,070	20.0	90,460	481,016	21.8	98,601	529,198
2025	466,998	19.4	90,598	473,973	20.0	93,400	481,934	21.8	101,806	530,208

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
2016	\$ 350,191	23.2%	\$81,244	\$ 521,584	24.0%	\$84,046	\$ 543,968	26.4%	\$92,450	\$ 596,094
2017	361,572	23.2	83,885	528,730	24.0	86,777	551,420	26.4	95,455	604,260
2018	373,323	23.2	86,611	535,397	24.0	89,598	558,373	26.4	98,557	611,879
2019	385,456	23.2	89,426	541,518	24.0	92,509	564,757	26.4	101,760	618,875
2020	397,983	23.2	92,332	547,020	24.0	95,516	570,495	26.4	105,068	625,163
2021	410,917	23.2	95,333	551,824	24.0	98,620	575,505	26.4	108,482	630,653
2022	424,272	23.2	98,431	555,844	24.0	101,825	579,697	26.4	112,008	635,247
2023	438,061	23.2	101,630	558,985	24.0	105,135	582,973	26.4	115,648	638,837
2024	452,298	23.2	104,933	561,147	24.0	108,552	585,227	26.4	119,407	641,307
2025	466,998	23.2	108,344	562,218	24.0	112,080	586,344	26.4	123,287	642,532

Notes regarding the above projections:

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

Warrenton Fire Protection District - Fire

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

(0% member contributions are additional)

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 350,191	14.2%	\$49,727	\$ 308,514	17.5%	\$61,283	\$ 385,696	17.7%	\$61,984	\$ 401,305
2017	361,572	14.2	51,343	312,741	17.5	63,275	390,980	17.7	63,998	406,803
2018	373,323	14.2	53,012	316,684	17.5	65,332	395,910	17.7	66,078	411,933
2019	385,456	14.2	54,735	320,305	17.5	67,455	400,436	17.7	68,226	416,643
2020	397,983	14.2	56,514	323,560	17.5	69,647	404,505	17.7	70,443	420,876
2021	410,917	14.2	58,350	326,402	17.5	71,910	408,058	17.7	72,732	424,572
2022	424,272	14.2	60,247	328,780	17.5	74,248	411,030	17.7	75,096	427,665
2023	438,061	14.2	62,205	330,638	17.5	76,661	413,353	17.7	77,537	430,082
2024	452,298	14.2	64,226	331,917	17.5	79,152	414,951	17.7	80,057	431,745
2025	466,998	14.2	66,314	332,551	17.5	81,725	415,743	17.7	82,659	432,569

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
2016	\$ 350,191	20.1%	\$70,388	\$ 455,272	20.7%	\$72,490	\$ 462,844	22.5%	\$78,793	\$ 509,219
2017	361,572	20.1	72,676	461,509	20.7	74,845	469,185	22.5	81,354	516,195
2018	373,323	20.1	75,038	467,328	20.7	77,278	475,101	22.5	83,998	522,704
2019	385,456	20.1	77,477	472,671	20.7	79,789	480,533	22.5	86,728	528,680
2020	397,983	20.1	79,995	477,474	20.7	82,382	485,416	22.5	89,546	534,052
2021	410,917	20.1	82,594	481,667	20.7	85,060	489,679	22.5	92,456	538,742
2022	424,272	20.1	85,279	485,176	20.7	87,824	493,246	22.5	95,461	542,666
2023	438,061	20.1	88,050	487,918	20.7	90,679	496,034	22.5	98,564	545,733
2024	452,298	20.1	90,912	489,805	20.7	93,626	497,952	22.5	101,767	547,843
2025	466,998	20.1	93,867	490,740	20.7	96,669	498,903	22.5	105,075	548,889

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
2016	\$ 350,191	24.0%	\$84,046	\$ 539,964	24.8%	\$86,847	\$ 563,158	27.2%	\$95,252	\$ 617,131
2017	361,572	24.0	86,777	547,361	24.8	89,670	570,873	27.2	98,348	625,586
2018	373,323	24.0	89,598	554,263	24.8	92,584	578,071	27.2	101,544	633,474
2019	385,456	24.0	92,509	560,600	24.8	95,593	584,680	27.2	104,844	640,716
2020	397,983	24.0	95,516	566,296	24.8	98,700	590,621	27.2	108,251	647,226
2021	410,917	24.0	98,620	571,269	24.8	101,907	595,808	27.2	111,769	652,910
2022	424,272	24.0	101,825	575,430	24.8	105,219	600,148	27.2	115,402	657,666
2023	438,061	24.0	105,135	578,682	24.8	108,639	603,540	27.2	119,153	661,383
2024	452,298	24.0	108,552	580,920	24.8	112,170	605,874	27.2	123,025	663,941
2025	466,998	24.0	112,080	582,029	24.8	115,816	607,031	27.2	127,023	665,209

Notes regarding the above projections:

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

Warrenton Fire Protection District - Fire

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 350,191	10.3%	\$36,070	\$ 293,752	13.5%	\$47,276	\$ 369,781	14.3%	\$50,077	\$ 395,066
2017	361,572	10.3	37,242	297,776	13.5	48,812	374,847	14.3	51,705	400,478
2018	373,323	10.3	38,452	301,531	13.5	50,399	379,574	14.3	53,385	405,528
2019	385,456	10.3	39,702	304,978	13.5	52,037	383,914	14.3	55,120	410,164
2020	397,983	10.3	40,992	308,077	13.5	53,728	387,815	14.3	56,912	414,332
2021	410,917	10.3	42,324	310,783	13.5	55,474	391,221	14.3	58,761	417,971
2022	424,272	10.3	43,700	313,047	13.5	57,277	394,071	14.3	60,671	421,016
2023	438,061	10.3	45,120	314,816	13.5	59,138	396,298	14.3	62,643	423,395
2024	452,298	10.3	46,587	316,033	13.5	61,060	397,831	14.3	64,679	425,032
2025	466,998	10.3	48,101	316,636	13.5	63,045	398,591	14.3	66,781	425,844

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
2016	\$ 350,191	16.5%	\$57,782	\$ 445,807	16.7%	\$58,482	\$ 445,547	18.8%	\$65,836	\$ 496,191
2017	361,572	16.5	59,659	451,914	16.7	60,383	451,651	18.8	67,976	502,989
2018	373,323	16.5	61,598	457,612	16.7	62,345	457,346	18.8	70,185	509,331
2019	385,456	16.5	63,600	462,844	16.7	64,371	462,575	18.8	72,466	515,154
2020	397,983	16.5	65,667	467,547	16.7	66,463	467,275	18.8	74,821	520,388
2021	410,917	16.5	67,801	471,653	16.7	68,623	471,379	18.8	77,252	524,958
2022	424,272	16.5	70,005	475,089	16.7	70,853	474,813	18.8	79,763	528,782
2023	438,061	16.5	72,280	477,774	16.7	73,156	477,496	18.8	82,355	531,771
2024	452,298	16.5	74,629	479,622	16.7	75,534	479,342	18.8	85,032	533,827
2025	466,998	16.5	77,055	480,538	16.7	77,989	480,257	18.8	87,796	534,846

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
2016	\$ 350,191	20.0%	\$70,038	\$ 521,142	21.0%	\$73,540	\$ 546,459	23.2%	\$81,244	\$ 596,627
2017	361,572	20.0	72,314	528,282	21.0	75,930	553,945	23.2	83,885	604,801
2018	373,323	20.0	74,665	534,943	21.0	78,398	560,930	23.2	86,611	612,427
2019	385,456	20.0	77,091	541,059	21.0	80,946	567,343	23.2	89,426	619,429
2020	397,983	20.0	79,597	546,557	21.0	83,576	573,108	23.2	92,332	625,723
2021	410,917	20.0	82,183	551,357	21.0	86,293	578,141	23.2	95,333	631,218
2022	424,272	20.0	84,854	555,373	21.0	89,097	582,352	23.2	98,431	635,816
2023	438,061	20.0	87,612	558,512	21.0	91,993	585,643	23.2	101,630	639,409
2024	452,298	20.0	90,460	560,672	21.0	94,983	587,908	23.2	104,933	641,882
2025	466,998	20.0	93,400	561,743	21.0	98,070	589,031	23.2	108,344	643,108

Notes regarding the above projections:

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

Warrenton Fire Protection District - Fire

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 350,191	10.7%	\$37,470	\$ 304,614	14.0%	\$49,027	\$ 383,239	14.8%	\$51,828	\$ 409,629
2017	361,572	10.7	38,688	308,787	14.0	50,620	388,489	14.8	53,513	415,241
2018	373,323	10.7	39,946	312,681	14.0	52,265	393,388	14.8	55,252	420,477
2019	385,456	10.7	41,244	316,256	14.0	53,964	397,886	14.8	57,047	425,284
2020	397,983	10.7	42,584	319,469	14.0	55,718	401,929	14.8	58,901	429,605
2021	410,917	10.7	43,968	322,275	14.0	57,528	405,459	14.8	60,816	433,378
2022	424,272	10.7	45,397	324,623	14.0	59,398	408,413	14.8	62,792	436,535
2023	438,061	10.7	46,873	326,458	14.0	61,329	410,721	14.8	64,833	439,002
2024	452,298	10.7	48,396	327,720	14.0	63,322	412,309	14.8	66,940	440,700
2025	466,998	10.7	49,969	328,346	14.0	65,380	413,096	14.8	69,116	441,542

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
2016	\$ 350,191	17.2%	\$60,233	\$ 462,014	17.4%	\$60,933	\$ 461,642	19.6%	\$68,637	\$ 514,117
2017	361,572	17.2	62,190	468,344	17.4	62,914	467,966	19.6	70,868	521,160
2018	373,323	17.2	64,212	474,250	17.4	64,958	473,867	19.6	73,171	527,731
2019	385,456	17.2	66,298	479,672	17.4	67,069	479,285	19.6	75,549	533,765
2020	397,983	17.2	68,453	484,546	17.4	69,249	484,155	19.6	78,005	539,189
2021	410,917	17.2	70,678	488,801	17.4	71,500	488,407	19.6	80,540	543,924
2022	424,272	17.2	72,975	492,362	17.4	73,823	491,965	19.6	83,157	547,886
2023	438,061	17.2	75,346	495,145	17.4	76,223	494,745	19.6	85,860	550,982
2024	452,298	17.2	77,795	497,060	17.4	78,700	496,658	19.6	88,650	553,113
2025	466,998	17.2	80,324	498,009	17.4	81,258	497,606	19.6	91,532	554,169

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
2016	\$ 350,191	20.8%	\$72,840	\$ 539,866	21.8%	\$76,342	\$ 566,124	24.2%	\$84,746	\$ 618,101
2017	361,572	20.8	75,207	547,262	21.8	78,823	573,880	24.2	87,500	626,569
2018	373,323	20.8	77,651	554,163	21.8	81,384	581,116	24.2	90,344	634,470
2019	385,456	20.8	80,175	560,499	21.8	84,029	587,760	24.2	93,280	641,724
2020	397,983	20.8	82,780	566,194	21.8	86,760	593,732	24.2	96,312	648,245
2021	410,917	20.8	85,471	571,167	21.8	89,580	598,946	24.2	99,442	653,938
2022	424,272	20.8	88,249	575,328	21.8	92,491	603,309	24.2	102,674	658,702
2023	438,061	20.8	91,117	578,580	21.8	95,497	606,719	24.2	106,011	662,425
2024	452,298	20.8	94,078	580,817	21.8	98,601	609,065	24.2	109,456	664,987
2025	466,998	20.8	97,136	581,926	21.8	101,806	610,228	24.2	113,014	666,257

Notes regarding the above projections:

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

Warrenton Fire Protection District - Fire

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

(0% member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2016	\$ 350,191	14.2%	\$49,727	\$ 306,192	17.4%	\$60,933	\$ 382,731	18.2%	\$63,735	\$ 407,129
2017	361,572	14.2	51,343	310,387	17.4	62,914	387,974	18.2	65,806	412,707
2018	373,323	14.2	53,012	314,301	17.4	64,958	392,866	18.2	67,945	417,911
2019	385,456	14.2	54,735	317,894	17.4	67,069	397,358	18.2	70,153	422,689
2020	397,983	14.2	56,514	321,124	17.4	69,249	401,396	18.2	72,433	426,984
2021	410,917	14.2	58,350	323,944	17.4	71,500	404,921	18.2	74,787	430,734
2022	424,272	14.2	60,247	326,304	17.4	73,823	407,871	18.2	77,218	433,872
2023	438,061	14.2	62,205	328,148	17.4	76,223	410,176	18.2	79,727	436,324
2024	452,298	14.2	64,226	329,417	17.4	78,700	411,762	18.2	82,318	438,011
2025	466,998	14.2	66,314	330,046	17.4	81,258	412,548	18.2	84,994	438,847

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
2016	\$ 350,191	20.4%	\$71,439	\$ 458,440	20.6%	\$72,139	\$ 455,185	22.7%	\$79,493	\$ 509,759
2017	361,572	20.4	73,761	464,721	20.6	74,484	461,421	22.7	82,077	516,743
2018	373,323	20.4	76,158	470,581	20.6	76,905	467,239	22.7	84,744	523,259
2019	385,456	20.4	78,633	475,961	20.6	79,404	472,581	22.7	87,499	529,241
2020	397,983	20.4	81,189	480,797	20.6	81,984	477,383	22.7	90,342	534,619
2021	410,917	20.4	83,827	485,020	20.6	84,649	481,576	22.7	93,278	539,314
2022	424,272	20.4	86,551	488,553	20.6	87,400	485,084	22.7	96,310	543,243
2023	438,061	20.4	89,364	491,314	20.6	90,241	487,826	22.7	99,440	546,313
2024	452,298	20.4	92,269	493,214	20.6	93,173	489,712	22.7	102,672	548,426
2025	466,998	20.4	95,268	494,156	20.6	96,202	490,647	22.7	106,009	549,473

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
2016	\$ 350,191	23.9%	\$83,696	\$ 535,833	24.9%	\$87,198	\$ 561,070	27.1%	\$94,902	\$ 612,380
2017	361,572	23.9	86,416	543,174	24.9	90,031	568,757	27.1	97,986	620,770
2018	373,323	23.9	89,224	550,023	24.9	92,957	575,929	27.1	101,171	628,598
2019	385,456	23.9	92,124	556,311	24.9	95,979	582,514	27.1	104,459	635,785
2020	397,983	23.9	95,118	561,964	24.9	99,098	588,433	27.1	107,853	642,245
2021	410,917	23.9	98,209	566,899	24.9	102,318	593,601	27.1	111,359	647,885
2022	424,272	23.9	101,401	571,028	24.9	105,644	597,925	27.1	114,978	652,604
2023	438,061	23.9	104,697	574,255	24.9	109,077	601,304	27.1	118,715	656,292
2024	452,298	23.9	108,099	576,476	24.9	112,622	603,629	27.1	122,573	658,830
2025	466,998	23.9	111,613	577,577	24.9	116,283	604,782	27.1	126,556	660,088

Notes regarding the above projections:

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

Warrenton Fire Protection District - Fire

Employer Contribution Rates (Non-Contributory Plan - 3 Year FAS)
(0% member contributions are additional)

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2016	\$ 350,191	14.6%	\$51,128	\$ 317,083	17.9%	\$62,684	\$ 396,369	18.7%	\$65,486	\$ 421,676
2017	361,572	14.6	52,790	321,427	17.9	64,721	401,799	18.7	67,614	427,453
2018	373,323	14.6	54,505	325,480	17.9	66,825	406,865	18.7	69,811	432,843
2019	385,456	14.6	56,277	329,201	17.9	68,997	411,517	18.7	72,080	437,792
2020	397,983	14.6	58,106	332,546	17.9	71,239	415,698	18.7	74,423	442,240
2021	410,917	14.6	59,994	335,467	17.9	73,554	419,349	18.7	76,841	446,124
2022	424,272	14.6	61,944	337,911	17.9	75,945	422,404	18.7	79,339	449,374
2023	438,061	14.6	63,957	339,821	17.9	78,413	424,791	18.7	81,917	451,914
2024	452,298	14.6	66,036	341,135	17.9	80,961	426,434	18.7	84,580	453,662
2025	466,998	14.6	68,182	341,786	17.9	83,593	427,248	18.7	87,329	454,528

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	
2016	\$ 350,191	21.1%	\$73,890	\$ 474,813	21.3%	\$74,591	\$ 475,621	23.5%	\$82,295	\$ 527,942
2017	361,572	21.1	76,292	481,318	21.3	77,015	482,137	23.5	84,969	535,175
2018	373,323	21.1	78,771	487,387	21.3	79,518	488,216	23.5	87,731	541,923
2019	385,456	21.1	81,331	492,959	21.3	82,102	493,798	23.5	90,582	548,119
2020	397,983	21.1	83,974	497,968	21.3	84,770	498,815	23.5	93,526	553,688
2021	410,917	21.1	86,703	502,341	21.3	87,525	503,196	23.5	96,565	558,551
2022	424,272	21.1	89,521	506,000	21.3	90,370	506,861	23.5	99,704	562,620
2023	438,061	21.1	92,431	508,860	21.3	93,307	509,726	23.5	102,944	565,800
2024	452,298	21.1	95,435	510,828	21.3	96,339	511,697	23.5	106,290	567,988
2025	466,998	21.1	98,537	511,803	21.3	99,471	512,674	23.5	109,745	569,073

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	
2016	\$ 350,191	24.7%	\$86,497	\$ 554,902	25.7%	\$89,999	\$ 581,049	28.1%	\$98,404	\$ 634,150
2017	361,572	24.7	89,308	562,504	25.7	92,924	589,009	28.1	101,602	642,838
2018	373,323	24.7	92,211	569,597	25.7	95,944	596,436	28.1	104,904	650,944
2019	385,456	24.7	95,208	576,109	25.7	99,062	603,255	28.1	108,313	658,386
2020	397,983	24.7	98,302	581,963	25.7	102,282	609,385	28.1	111,833	665,076
2021	410,917	24.7	101,496	587,074	25.7	105,606	614,737	28.1	115,468	670,917
2022	424,272	24.7	104,795	591,350	25.7	109,038	619,215	28.1	119,220	675,804
2023	438,061	24.7	108,201	594,692	25.7	112,582	622,715	28.1	123,095	679,623
2024	452,298	24.7	111,718	596,992	25.7	116,241	625,123	28.1	127,096	682,251
2025	466,998	24.7	115,349	598,132	25.7	120,018	626,317	28.1	131,226	683,554

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.660 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 3.25%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
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