



**THE INITIAL ACTUARIAL VALUATION FOR
FAIR GROVE FIRE PROTECTION DISTRICT
AS OF DECEMBER 31, 2015**

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January 29, 2016

Fair Grove Fire Protection District
Fair Grove, 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 28, 2015.

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.

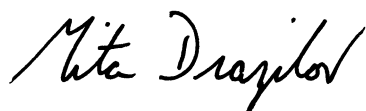
Please note that this entire report must be available as public information for at least 45 calendar days prior to the date final official action is taken by your governing body to join the System. You may wish to make notice of this report in the official minutes of the next meeting of your governing 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 December 31, 2015. 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.

Fair Grove 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			
		Prior Service Cost *	Current Cost	Disability Cost	Total Employer Contribution Rate
L-1	General	0.00%	3.80%	0.20%	4.00%
	Fire	0.80	3.60	0.20	4.60
L-3	General	0.00	5.40	0.20	5.60
	Fire	1.00	5.30	0.20	6.50
LT-4(65)	General	0.00	3.80	0.20	4.00
	Fire	1.10	5.80	0.20	7.10
LT-5(65)	General	0.00	5.40	0.20	5.60
	Fire	1.30	6.90	0.20	8.40
L-7	General	0.00	6.90	0.20	7.10
	Fire	1.30	7.00	0.20	8.50
LT-8(65)	General	0.00	6.90	0.20	7.10
	Fire	1.40	8.20	0.20	9.80
L-12	General	0.00	8.50	0.30	8.80
	Fire	1.50	8.80	0.30	10.60
LT-14(65)	General	0.00	8.50	0.30	8.80
	Fire	1.60	9.20	0.30	11.10
L-6	General	0.00	10.00	0.30	10.30
	Fire	1.70	10.50	0.30	12.50

* 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.

Fair Grove 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	0.00%	4.00%	0.20%	4.20%
	Fire	0.80	3.90	0.20	4.90
L-3	General	0.00	5.60	0.20	5.80
	Fire	1.10	5.70	0.20	7.00
LT-4(65)	General	0.00	4.00	0.20	4.20
	Fire	1.20	6.10	0.20	7.50
LT-5(65)	General	0.00	5.60	0.20	5.80
	Fire	1.30	7.40	0.20	8.90
L-7	General	0.00	7.20	0.20	7.40
	Fire	1.30	7.50	0.20	9.00
LT-8(65)	General	0.00	7.20	0.20	7.40
	Fire	1.50	8.60	0.20	10.30
L-12	General	0.00	8.70	0.30	9.00
	Fire	1.50	9.30	0.30	11.10
LT-14(65)	General	0.00	8.70	0.30	9.00
	Fire	1.60	9.80	0.30	11.70
L-6	General	0.00	10.30	0.30	10.60
	Fire	1.80	11.00	0.30	13.10

* 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.

Fair Grove 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	0.00%	6.70%	0.20%	6.90%
	Fire	0.90	7.40	0.20	8.50
L-3	General	0.00	8.20	0.20	8.40
	Fire	1.10	9.10	0.20	10.40
LT-4(65)	General	0.00	6.70	0.20	6.90
	Fire	1.20	9.60	0.20	11.00
LT-5(65)	General	0.00	8.20	0.20	8.40
	Fire	1.30	10.80	0.20	12.30
L-7	General	0.00	9.70	0.20	9.90
	Fire	1.30	10.90	0.20	12.40
LT-8(65)	General	0.00	9.70	0.20	9.90
	Fire	1.50	12.00	0.20	13.70
L-12	General	0.00	11.30	0.30	11.60
	Fire	1.60	12.60	0.30	14.50
LT-14(65)	General	0.00	11.30	0.30	11.60
	Fire	1.60	13.10	0.30	15.00
L-6	General	0.00	12.80	0.30	13.10
	Fire	1.80	14.30	0.30	16.40

* 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.

Fair Grove 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	0.00%	6.80%	0.20%	7.00%
	Fire	0.90	7.70	0.20	8.80
L-3	General	0.00	8.40	0.20	8.60
	Fire	1.20	9.50	0.20	10.90
LT-4(65)	General	0.00	6.80	0.20	7.00
	Fire	1.20	10.00	0.20	11.40
LT-5(65)	General	0.00	8.40	0.20	8.60
	Fire	1.40	11.20	0.20	12.80
L-7	General	0.00	10.00	0.20	10.20
	Fire	1.40	11.30	0.20	12.90
LT-8(65)	General	0.00	10.00	0.20	10.20
	Fire	1.60	12.40	0.20	14.20
L-12	General	0.00	11.50	0.30	11.80
	Fire	1.60	13.10	0.30	15.00
LT-14(65)	General	0.00	11.50	0.30	11.80
	Fire	1.70	13.60	0.30	15.60
L-6	General	0.00	13.10	0.30	13.40
	Fire	1.90	14.80	0.30	17.00

* 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.

Fair Grove 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	0.00%	3.80%	0.20%	4.00%
	Fire	0.80	4.00	0.20	5.00
L-3	General	0.00	5.40	0.20	5.60
	Fire	1.10	5.70	0.20	7.00
LT-4(65)	General	0.00	3.80	0.20	4.00
	Fire	1.20	6.70	0.20	8.10
LT-5(65)	General	0.00	5.40	0.20	5.60
	Fire	1.30	7.80	0.20	9.30
L-7	General	0.00	6.90	0.20	7.10
	Fire	1.30	7.60	0.20	9.10
LT-8(65)	General	0.00	6.90	0.20	7.10
	Fire	1.50	8.90	0.20	10.60
L-12	General	0.00	8.50	0.30	8.80
	Fire	1.50	9.40	0.30	11.20
LT-14(65)	General	0.00	8.50	0.30	8.80
	Fire	1.60	10.10	0.30	12.00
L-6	General	0.00	10.00	0.30	10.30
	Fire	1.70	11.30	0.30	13.30

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.

Fair Grove 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	0.00%	4.00%	0.20%	4.20%
	Fire	0.90	4.30	0.20	5.40
L-3	General	0.00	5.60	0.20	5.80
	Fire	1.10	6.20	0.20	7.50
LT-4(65)	General	0.00	4.00	0.20	4.20
	Fire	1.20	7.10	0.20	8.50
LT-5(65)	General	0.00	5.60	0.20	5.80
	Fire	1.40	8.20	0.20	9.80
L-7	General	0.00	7.20	0.20	7.40
	Fire	1.30	8.10	0.20	9.60
LT-8(65)	General	0.00	7.20	0.20	7.40
	Fire	1.50	9.50	0.20	11.20
L-12	General	0.00	8.70	0.30	9.00
	Fire	1.60	9.90	0.30	11.80
LT-14(65)	General	0.00	8.70	0.30	9.00
	Fire	1.70	10.70	0.30	12.70
L-6	General	0.00	10.30	0.30	10.60
	Fire	1.80	11.80	0.30	13.90

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

* Assumes that credit is granted for 100% of service rendered prior to the membership date. 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.

Fair Grove 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	0.00%	6.70%	0.20%	6.90%
	Fire	0.90	7.80	0.20	8.90
L-3	General	0.00	8.20	0.20	8.40
	Fire	1.10	9.60	0.20	10.90
LT-4(65)	General	0.00	6.70	0.20	6.90
	Fire	1.20	10.50	0.20	11.90
LT-5(65)	General	0.00	8.20	0.20	8.40
	Fire	1.40	11.60	0.20	13.20
L-7	General	0.00	9.70	0.20	9.90
	Fire	1.40	11.40	0.20	13.00
LT-8(65)	General	0.00	9.70	0.20	9.90
	Fire	1.50	12.80	0.20	14.50
L-12	General	0.00	11.30	0.30	11.60
	Fire	1.60	13.20	0.30	15.10
LT-14(65)	General	0.00	11.30	0.30	11.60
	Fire	1.70	13.90	0.30	15.90
L-6	General	0.00	12.80	0.30	13.10
	Fire	1.80	15.10	0.30	17.20

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.

Fair Grove 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	0.00%	6.80%	0.20%	7.00%
	Fire	1.00	8.10	0.20	9.30
L-3	General	0.00	8.40	0.20	8.60
	Fire	1.20	10.00	0.20	11.40
LT-4(65)	General	0.00	6.80	0.20	7.00
	Fire	1.30	10.90	0.20	12.40
LT-5(65)	General	0.00	8.40	0.20	8.60
	Fire	1.40	12.10	0.20	13.70
L-7	General	0.00	10.00	0.20	10.20
	Fire	1.40	11.90	0.20	13.50
LT-8(65)	General	0.00	10.00	0.20	10.20
	Fire	1.60	13.30	0.20	15.10
L-12	General	0.00	11.50	0.30	11.80
	Fire	1.70	13.70	0.30	15.70
LT-14(65)	General	0.00	11.50	0.30	11.80
	Fire	1.80	14.50	0.30	16.60
L-6	General	0.00	13.10	0.30	13.40
	Fire	1.90	15.60	0.30	17.80

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.

Fair Grove 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	\$ 1,000	\$ 7,866
L-3	1,400	11,115
LT-4(65)	1,000	12,141
LT-5(65)	1,400	14,364
L-7	1,775	14,535
LT-8(65)	1,775	16,758
L-12	2,200	18,126
LT-14(65)	2,200	18,981
L-6	2,575	21,375

3 Year FAS		
Benefit Program	General	Fire
L-1	\$ 1,050	\$ 8,379
L-3	1,450	11,970
LT-4(65)	1,050	12,825
LT-5(65)	1,450	15,219
L-7	1,850	15,390
LT-8(65)	1,850	17,613
L-12	2,250	18,981
LT-14(65)	2,250	20,007
L-6	2,650	22,401

Non-Contributory Plan

5 Year FAS		
Benefit Program	General	Fire
L-1	\$ 1,725	\$ 14,535
L-3	2,100	17,784
LT-4(65)	1,725	18,810
LT-5(65)	2,100	21,033
L-7	2,475	21,204
LT-8(65)	2,475	23,427
L-12	2,900	24,795
LT-14(65)	2,900	25,650
L-6	3,275	28,044

3 Year FAS		
Benefit Program	General	Fire
L-1	\$ 1,750	\$ 15,048
L-3	2,150	18,639
LT-4(65)	1,750	19,494
LT-5(65)	2,150	21,888
L-7	2,550	22,059
LT-8(65)	2,550	24,282
L-12	2,950	25,650
LT-14(65)	2,950	26,676
L-6	3,350	29,070

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.

Fair Grove 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	\$ 1,000	\$ 8,550
L-3	1,400	11,970
LT-4(65)	1,000	13,851
LT-5(65)	1,400	15,903
L-7	1,775	15,561
LT-8(65)	1,775	18,126
L-12	2,200	19,152
LT-14(65)	2,200	20,520
L-6	2,575	22,743

3 Year FAS		
Benefit Program	General	Fire
L-1	\$ 1,050	\$ 9,234
L-3	1,450	12,825
LT-4(65)	1,050	14,535
LT-5(65)	1,450	16,758
L-7	1,850	16,416
LT-8(65)	1,850	19,152
L-12	2,250	20,178
LT-14(65)	2,250	21,717
L-6	2,650	23,769

Non-Contributory Plan

5 Year FAS		
Benefit Program	General	Fire
L-1	\$ 1,725	\$ 15,219
L-3	2,100	18,639
LT-4(65)	1,725	20,349
LT-5(65)	2,100	22,572
L-7	2,475	22,230
LT-8(65)	2,475	24,795
L-12	2,900	25,821
LT-14(65)	2,900	27,189
L-6	3,275	29,412

3 Year FAS		
Benefit Program	General	Fire
L-1	\$ 1,750	\$ 15,903
L-3	2,150	19,494
LT-4(65)	1,750	21,204
LT-5(65)	2,150	23,427
L-7	2,550	23,085
LT-8(65)	2,550	25,821
L-12	2,950	26,847
LT-14(65)	2,950	28,386
L-6	3,350	30,438

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.

Fair Grove Fire Protection District

Employees and Payroll Included in the Valuation

	General	Fire
Number of Employees	1	6
Annual Payroll	\$ 25,000	\$ 171,000

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

APPENDIX I

**UNFUNDED ACTUARIAL
ACCRUED LIABILITY**

UNFUNDED ACTUARIAL ACCRUED LIABILITY (UAAL)

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

The policy of the LAGERS Board of Trustees provides that unfunded liabilities are to be paid for by level percent of payroll contributions over a period of 30 years. The contribution rates shown on pages 4 through 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:

Fair Grove 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	\$ -	\$ -	\$ 1	\$ -
	Fire	25,102	26,170	27,814	28,858
L-3	General	-	-	1	-
	Fire	31,963	33,287	34,776	36,097
LT-4(65)	General	-	-	1	-
	Fire	34,438	35,846	37,089	38,510
LT-5(65)	General	-	-	1	-
	Fire	38,988	40,538	41,689	43,320
L-7	General	2	-	1	1
	Fire	38,950	40,580	41,682	43,284
LT-8(65)	General	2	-	1	1
	Fire	43,586	45,446	46,354	48,119
L-12	General	1	1	1	-
	Fire	45,827	47,735	48,638	50,468
LT-14(65)	General	1	1	1	-
	Fire	48,188	50,154	50,965	52,888
L-6	General	1	-	1	-
	Fire	52,745	54,837	55,592	57,737

Fair Grove 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 Fire	\$ - 25,796	\$ - 26,916	\$ 1 28,498	\$ - 29,610
L-3	General Fire	- 32,777	- 34,172	1 35,611	- 36,979
LT-4(65)	General Fire	- 36,031	- 37,506	1 38,684	- 40,202
LT-5(65)	General Fire	- 40,489	- 42,163	1 43,242	- 44,918
L-7	General Fire	2 39,969	- 41,618	1 42,718	1 44,348
LT-8(65)	General Fire	2 45,066	- 46,933	1 47,848	1 49,694
L-12	General Fire	1 47,052	1 49,003	1 49,827	- 51,754
LT-14(65)	General Fire	1 49,627	1 51,649	1 52,398	- 54,401
L-6	General Fire	1 54,087	- 56,290	1 56,914	- 59,192

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, 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. Considering other financial assumptions, the 7.25% investment return rate translates to an assumed real rate of return of 3.75%. Adopted 2011.
2. The mortality table used to evaluate mortality among active members was 75% of the RP-2000 Combined Healthy Table set back 0 years for men and 0 years for women. It was assumed that 50% of pre-retirement deaths would be duty related. Adopted 2011.
3. The mortality table used in evaluating allowances to be paid was 105% of the 1994 Group Annuity Mortality Table, set back 0 years for men and 0 years for women. The disability post-retirement rates were equal to the standard rates set forward 10 years. Adopted 2011.
4. The probabilities of withdrawal from service, together with individual pay increase assumptions, are shown in Schedule 1. Adopted 2011.
5. The probabilities of retirement with an age and service allowance are shown in Schedule 2. Adopted 2011.
6. Total active member payroll is assumed to increase 3.5% 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 2011.
7. An individual entry-age actuarial cost method of valuation was used in determining age and service allowance actuarial liabilities and normal cost. Adopted 1986.
8. The data about persons now covered was furnished by the political subdivision. Although examined for general reasonableness, the data was not audited by us.
9. The actuarial valuation computations were made by or under the supervision of a Member of the American Academy of Actuaries (M.A.A.A.).

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	18.00%	21.00%	18.00%	8.00%	
	1	16.00	20.00	17.00	7.00	
	2	14.00	16.00	16.00	6.00	
	3	11.00	13.00	13.00	6.00	
	4	9.00	12.00	12.00	5.00	
25	5 & Over	7.50	10.70	10.10	5.00	6.8%
30		6.50	9.40	8.00	4.00	6.0
35		5.10	7.20	6.10	2.80	5.5
40		3.80	5.50	4.70	2.20	5.0
45		3.00	4.20	3.60	1.80	4.5
50		2.40	3.40	1.80	1.00	4.1
55		1.80	2.50	1.00	0.50	3.9
60		1.00	1.20	0.00	0.00	3.8
65	0.00	0.00	0.00	0.00	3.5	

Percent Increase in Individual's Pay During Next Year	
Sample Ages	Fire
25	8.6%
30	6.7
35	5.4
40	4.7
45	4.4
50	4.1
55	3.9
60	3.8
65	3.5

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	2.50%	3.00%	50	3.00%	2.50%
56	2.50%	3.00%	51	3.00%	2.50%
57	2.50%	3.00%	52	3.00%	2.50%
58	2.50%	3.00%	53	3.00%	2.50%
59	2.50%	3.00%	54	3.00%	2.50%

Normal Retirement

Retirement Ages	General Members		Retirement Ages	Police	Fire
	Men	Women			
60	10%	10%	55	10%	15%
61	10	10	56	10	15
62	25	15	57	10	10
63	25	15	58	10	15
64	20	15	59	10	15
65	25	20	60	10	20
66	25	25	61	10	10
67	20	20	62	25	30
68	20	20	63	20	30
69	20	15	64	20	25
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	15
52	15	15	15	15
53	15	15	15	15
54	15	15	15	15
55	15	15	15	15
56	15	15	15	15
57	15	15	15	15
58	15	15	15	15
59	15	15	15	20
60	15	15	15	30
61	15	15	25	30
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 28, 2015
(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	\$ 875	\$1,400	93%
2,000	700	1,020	1,720	86%
2,500	875	1,165	2,040	82%
3,000	1,050	1,312	2,362	79%
3,500	1,225	1,457	2,682	77%
4,000	1,400	1,602	3,002	75%
25 Years of Service:				
\$1,500	\$ 375	\$ 875	\$1,250	83%
2,000	500	1,020	1,520	76%
2,500	625	1,165	1,790	72%
3,000	750	1,312	2,062	69%
3,500	875	1,457	2,332	67%
4,000	1,000	1,602	2,602	65%
15 Years of Service:				
\$1,500	\$225	\$ 875	\$1,100	73%
2,000	300	1,020	1,320	66%
2,500	375	1,165	1,540	62%
3,000	450	1,312	1,762	59%
3,500	525	1,457	1,982	57%
4,000	600	1,602	2,202	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 2015 - 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	\$ 875	\$1,531	102%
2,000	875	1,020	1,895	95%
2,500	1,094	1,165	2,259	90%
3,000	1,313	1,312	2,625	88%
3,500	1,531	1,457	2,988	85%
4,000	1,750	1,602	3,352	84%
25 Years of Service:				
\$1,500	\$ 469	\$ 875	\$1,344	90%
2,000	625	1,020	1,645	82%
2,500	781	1,165	1,946	78%
3,000	938	1,312	2,250	75%
3,500	1,094	1,457	2,551	73%
4,000	1,250	1,602	2,852	71%
15 Years of Service:				
\$1,500	\$281	\$ 875	\$1,156	77%
2,000	375	1,020	1,395	70%
2,500	469	1,165	1,634	65%
3,000	563	1,312	1,875	63%
3,500	656	1,457	2,113	60%
4,000	750	1,602	2,352	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 2015 - 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	\$ 875	\$1,663	111%
2,000	1,050	1,020	2,070	104%
2,500	1,313	1,165	2,478	99%
3,000	1,575	1,312	2,887	96%
3,500	1,838	1,457	3,295	94%
4,000	2,100	1,602	3,702	93%
25 Years of Service:				
\$1,500	\$ 563	\$ 875	\$1,438	96%
2,000	750	1,020	1,770	89%
2,500	938	1,165	2,103	84%
3,000	1,125	1,312	2,437	81%
3,500	1,313	1,457	2,770	79%
4,000	1,500	1,602	3,102	78%
15 Years of Service:				
\$1,500	\$338	\$ 875	\$1,213	81%
2,000	450	1,020	1,470	74%
2,500	563	1,165	1,728	69%
3,000	675	1,312	1,987	66%
3,500	788	1,457	2,245	64%
4,000	900	1,602	2,502	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 2015 - 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	\$ 875	\$1,794	120%
2,000	1,225	1,020	2,245	112%
2,500	1,531	1,165	2,696	108%
3,000	1,838	1,312	3,150	105%
3,500	2,144	1,457	3,601	103%
4,000	2,450	1,602	4,052	101%
25 Years of Service:				
\$1,500	\$ 656	\$ 875	\$1,531	102%
2,000	875	1,020	1,895	95%
2,500	1,094	1,165	2,259	90%
3,000	1,313	1,312	2,625	88%
3,500	1,531	1,457	2,988	85%
4,000	1,750	1,602	3,352	84%
15 Years of Service:				
\$1,500	\$ 394	\$ 875	\$1,269	85%
2,000	525	1,020	1,545	77%
2,500	656	1,165	1,821	73%
3,000	788	1,312	2,100	70%
3,500	919	1,457	2,376	68%
4,000	1,050	1,602	2,652	66%

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2015 - 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	\$ 875	\$1,925	128%
2,000	1,400	1,020	2,420	121%
2,500	1,750	1,165	2,915	117%
3,000	2,100	1,312	3,412	114%
3,500	2,450	1,457	3,907	112%
4,000	2,800	1,602	4,402	110%
25 Years of Service:				
\$1,500	\$ 750	\$ 875	\$1,625	108%
2,000	1,000	1,020	2,020	101%
2,500	1,250	1,165	2,415	97%
3,000	1,500	1,312	2,812	94%
3,500	1,750	1,457	3,207	92%
4,000	2,000	1,602	3,602	90%
15 Years of Service:				
\$1,500	\$ 450	\$ 875	\$1,325	88%
2,000	600	1,020	1,620	81%
2,500	750	1,165	1,915	77%
3,000	900	1,312	2,212	74%
3,500	1,050	1,457	2,507	72%
4,000	1,200	1,602	2,802	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 2015 - 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	\$ 875	\$1,050	\$1,400	70%	93%
2,000	1,400	700	1,020	1,400	1,720	70%	86%
2,500	1,750	875	1,165	1,750	2,040	70%	82%
3,000	2,100	1,050	1,312	2,100	2,362	70%	79%
3,500	2,450	1,225	1,457	2,450	2,682	70%	77%
4,000	2,800	1,400	1,602	2,800	3,002	70%	75%
25 Years of Service:							
\$1,500	\$ 750	\$ 375	\$ 875	\$ 750	\$1,250	50%	83%
2,000	1,000	500	1,020	1,000	1,520	50%	76%
2,500	1,250	625	1,165	1,250	1,790	50%	72%
3,000	1,500	750	1,312	1,500	2,062	50%	69%
3,500	1,750	875	1,457	1,750	2,332	50%	67%
4,000	2,000	1,000	1,602	2,000	2,602	50%	65%
15 Years of Service:							
\$1,500	\$ 450	\$225	\$ 875	\$ 450	\$1,100	30%	73%
2,000	600	300	1,020	600	1,320	30%	66%
2,500	750	375	1,165	750	1,540	30%	62%
3,000	900	450	1,312	900	1,762	30%	59%
3,500	1,050	525	1,457	1,050	1,982	30%	57%
4,000	1,200	600	1,602	1,200	2,202	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 2015 - 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	\$ 875	\$1,050	\$1,531	70%	102%
2,000	1,400	875	1,020	1,400	1,895	70%	95%
2,500	1,750	1,094	1,165	1,750	2,259	70%	90%
3,000	2,100	1,313	1,312	2,100	2,625	70%	88%
3,500	2,450	1,531	1,457	2,450	2,988	70%	85%
4,000	2,800	1,750	1,602	2,800	3,352	70%	84%
25 Years of Service:							
\$1,500	\$ 750	\$ 469	\$ 875	\$ 750	\$1,344	50%	90%
2,000	1,000	625	1,020	1,000	1,645	50%	82%
2,500	1,250	781	1,165	1,250	1,946	50%	78%
3,000	1,500	938	1,312	1,500	2,250	50%	75%
3,500	1,750	1,094	1,457	1,750	2,551	50%	73%
4,000	2,000	1,250	1,602	2,000	2,852	50%	71%
15 Years of Service:							
\$1,500	\$ 450	\$281	\$ 875	\$ 450	\$1,156	30%	77%
2,000	600	375	1,020	600	1,395	30%	70%
2,500	750	469	1,165	750	1,634	30%	65%
3,000	900	563	1,312	900	1,875	30%	63%
3,500	1,050	656	1,457	1,050	2,113	30%	60%
4,000	1,200	750	1,602	1,200	2,352	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 2015 - 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	\$ 875	\$1,050	\$1,663	70%	111%
2,000	1,400	1,050	1,020	1,400	2,070	70%	104%
2,500	1,750	1,313	1,165	1,750	2,478	70%	99%
3,000	2,100	1,575	1,312	2,100	2,887	70%	96%
3,500	2,450	1,838	1,457	2,450	3,295	70%	94%
4,000	2,800	2,100	1,602	2,800	3,702	70%	93%
25 Years of Service:							
\$1,500	\$ 750	\$ 563	\$ 875	\$ 750	\$1,438	50%	96%
2,000	1,000	750	1,020	1,000	1,770	50%	89%
2,500	1,250	938	1,165	1,250	2,103	50%	84%
3,000	1,500	1,125	1,312	1,500	2,437	50%	81%
3,500	1,750	1,313	1,457	1,750	2,770	50%	79%
4,000	2,000	1,500	1,602	2,000	3,102	50%	78%
15 Years of Service:							
\$1,500	\$ 450	\$338	\$ 875	\$ 450	\$1,213	30%	81%
2,000	600	450	1,020	600	1,470	30%	74%
2,500	750	563	1,165	750	1,728	30%	69%
3,000	900	675	1,312	900	1,987	30%	66%
3,500	1,050	788	1,457	1,050	2,245	30%	64%
4,000	1,200	900	1,602	1,200	2,502	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 2015 - 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	\$ 875	\$1,050	\$1,794	70%	120%
2,000	1,400	1,225	1,020	1,400	2,245	70%	112%
2,500	1,750	1,531	1,165	1,750	2,696	70%	108%
3,000	2,100	1,838	1,312	2,100	3,150	70%	105%
3,500	2,450	2,144	1,457	2,450	3,601	70%	103%
4,000	2,800	2,450	1,602	2,800	4,052	70%	101%
25 Years of Service:							
\$1,500	\$ 750	\$ 656	\$ 875	\$ 750	\$1,531	50%	102%
2,000	1,000	875	1,020	1,000	1,895	50%	95%
2,500	1,250	1,094	1,165	1,250	2,259	50%	90%
3,000	1,500	1,313	1,312	1,500	2,625	50%	88%
3,500	1,750	1,531	1,457	1,750	2,988	50%	85%
4,000	2,000	1,750	1,602	2,000	3,352	50%	84%
15 Years of Service:							
\$1,500	\$ 450	\$ 394	\$ 875	\$ 450	\$1,269	30%	85%
2,000	600	525	1,020	600	1,545	30%	77%
2,500	750	656	1,165	750	1,821	30%	73%
3,000	900	788	1,312	900	2,100	30%	70%
3,500	1,050	919	1,457	1,050	2,376	30%	68%
4,000	1,200	1,050	1,602	1,200	2,652	30%	66%

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2015 - 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**

Fair Grove Fire Protection District - General

December 31, 2015

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									
60-64									
65-69	1							1	\$ 25,000
70 & Over									
Totals	1							1	\$ 25,000

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

Age: 68.0 years.

Benefit Service: 0.0 years.

Annual Pay: \$ 25,000.

Fair Grove Fire Protection District - Fire

December 31, 2015

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	2							2	\$ 53,000
25-29	2							2	\$ 53,000
30-34	1							1	\$ 29,000
35-39									
40-44		1						1	\$ 36,000
45-49									
50-54									
55-59									
60-64									
65-69									
70 & Over									
Totals	5	1						6	\$ 171,000

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

Age: 28.7 years.

Benefit Service: 1.7 years.

Annual Pay: \$ 28,500.

January 29, 2016 E-mail

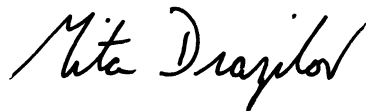
Mr. Keith Hughes, Executive Secretary
Missouri Local Government
Employees Retirement System
P.O. Box 1665
Jefferson City, Missouri 65102

Dear Keith:

Enclosed is the report of the December 31, 2015 Initial Actuarial
Valuation of LAGERS benefits for the employees of

Fair Grove Fire Protection District

Sincerely,



Mita D. Drazilov

MDD:adh

January 29, 2016

Fair Grove Fire Protection District
Fair Grove, Missouri

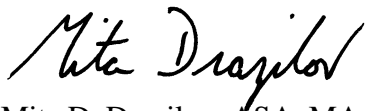
Ladies and Gentlemen:

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 December 31, 2015 Initial Valuation for the Fair Grove Fire Protection District dated January 29, 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 28, 2015.

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

Fair Grove 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
2015	\$ 25,000	4.0%	\$1,000	\$ -	5.6%	\$1,400	\$ -	4.0%	\$1,000	\$ -
2016	25,875	4.0	1,035	-	5.6	1,449	-	4.0	1,035	-
2017	26,781	4.0	1,071	-	5.6	1,500	-	4.0	1,071	-
2018	27,718	4.0	1,109	-	5.6	1,552	-	4.0	1,109	-
2019	28,688	4.0	1,148	-	5.6	1,607	-	4.0	1,148	-
2020	29,692	4.0	1,188	-	5.6	1,663	-	4.0	1,188	-
2021	30,731	4.0	1,229	-	5.6	1,721	-	4.0	1,229	-
2022	31,807	4.0	1,272	-	5.6	1,781	-	4.0	1,272	-
2023	32,920	4.0	1,317	-	5.6	1,844	-	4.0	1,317	-
2024	34,072	4.0	1,363	-	5.6	1,908	-	4.0	1,363	-

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
2015	\$ 25,000	5.6%	\$1,400	\$ -	7.1%	\$1,775	\$ 2	7.1%	\$1,775	\$ 2
2016	25,875	5.6	1,449	-	7.1	1,837	2	7.1	1,837	2
2017	26,781	5.6	1,500	-	7.1	1,901	2	7.1	1,901	2
2018	27,718	5.6	1,552	-	7.1	1,968	2	7.1	1,968	2
2019	28,688	5.6	1,607	-	7.1	2,037	2	7.1	2,037	2
2020	29,692	5.6	1,663	-	7.1	2,108	2	7.1	2,108	2
2021	30,731	5.6	1,721	-	7.1	2,182	2	7.1	2,182	2
2022	31,807	5.6	1,781	-	7.1	2,258	2	7.1	2,258	2
2023	32,920	5.6	1,844	-	7.1	2,337	2	7.1	2,337	2
2024	34,072	5.6	1,908	-	7.1	2,419	2	7.1	2,419	2

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
2015	\$ 25,000	8.8%	\$2,200	\$ 1	8.8%	\$2,200	\$ 1	10.3%	\$2,575	\$ 1
2016	25,875	8.8	2,277	1	8.8	2,277	1	10.3	2,665	1
2017	26,781	8.8	2,357	1	8.8	2,357	1	10.3	2,758	1
2018	27,718	8.8	2,439	1	8.8	2,439	1	10.3	2,855	1
2019	28,688	8.8	2,525	1	8.8	2,525	1	10.3	2,955	1
2020	29,692	8.8	2,613	1	8.8	2,613	1	10.3	3,058	1
2021	30,731	8.8	2,704	1	8.8	2,704	1	10.3	3,165	1
2022	31,807	8.8	2,799	1	8.8	2,799	1	10.3	3,276	1
2023	32,920	8.8	2,897	1	8.8	2,897	1	10.3	3,391	1
2024	34,072	8.8	2,998	1	8.8	2,998	1	10.3	3,509	1

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 25,000	4.2%	\$1,050	\$ -	5.8%	\$1,450	\$ -	4.2%	\$1,050	\$ -
2016	25,875	4.2	1,087	-	5.8	1,501	-	4.2	1,087	-
2017	26,781	4.2	1,125	-	5.8	1,553	-	4.2	1,125	-
2018	27,718	4.2	1,164	-	5.8	1,608	-	4.2	1,164	-
2019	28,688	4.2	1,205	-	5.8	1,664	-	4.2	1,205	-
2020	29,692	4.2	1,247	-	5.8	1,722	-	4.2	1,247	-
2021	30,731	4.2	1,291	-	5.8	1,782	-	4.2	1,291	-
2022	31,807	4.2	1,336	-	5.8	1,845	-	4.2	1,336	-
2023	32,920	4.2	1,383	-	5.8	1,909	-	4.2	1,383	-
2024	34,072	4.2	1,431	-	5.8	1,976	-	4.2	1,431	-

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
2015	\$ 25,000	5.8%	\$1,450	\$ -	7.4%	\$1,850	\$ -	7.4%	\$1,850	\$ -
2016	25,875	5.8	1,501	-	7.4	1,915	-	7.4	1,915	-
2017	26,781	5.8	1,553	-	7.4	1,982	-	7.4	1,982	-
2018	27,718	5.8	1,608	-	7.4	2,051	-	7.4	2,051	-
2019	28,688	5.8	1,664	-	7.4	2,123	-	7.4	2,123	-
2020	29,692	5.8	1,722	-	7.4	2,197	-	7.4	2,197	-
2021	30,731	5.8	1,782	-	7.4	2,274	-	7.4	2,274	-
2022	31,807	5.8	1,845	-	7.4	2,354	-	7.4	2,354	-
2023	32,920	5.8	1,909	-	7.4	2,436	-	7.4	2,436	-
2024	34,072	5.8	1,976	-	7.4	2,521	-	7.4	2,521	-

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
2015	\$ 25,000	9.0%	\$2,250	\$ 1	9.0%	\$2,250	\$ 1	10.6%	\$2,650	\$ -
2016	25,875	9.0	2,329	1	9.0	2,329	1	10.6	2,743	-
2017	26,781	9.0	2,410	1	9.0	2,410	1	10.6	2,839	-
2018	27,718	9.0	2,495	1	9.0	2,495	1	10.6	2,938	-
2019	28,688	9.0	2,582	1	9.0	2,582	1	10.6	3,041	-
2020	29,692	9.0	2,672	1	9.0	2,672	1	10.6	3,147	-
2021	30,731	9.0	2,766	1	9.0	2,766	1	10.6	3,257	-
2022	31,807	9.0	2,863	1	9.0	2,863	1	10.6	3,372	-
2023	32,920	9.0	2,963	1	9.0	2,963	1	10.6	3,490	-
2024	34,072	9.0	3,066	1	9.0	3,066	1	10.6	3,612	-

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 25,000	6.9%	\$1,725	\$ 1	8.4%	\$2,100	\$ 1	6.9%	\$1,725	\$ 1
2016	25,875	6.9	1,785	1	8.4	2,174	1	6.9	1,785	1
2017	26,781	6.9	1,848	1	8.4	2,250	1	6.9	1,848	1
2018	27,718	6.9	1,913	1	8.4	2,328	1	6.9	1,913	1
2019	28,688	6.9	1,979	1	8.4	2,410	1	6.9	1,979	1
2020	29,692	6.9	2,049	1	8.4	2,494	1	6.9	2,049	1
2021	30,731	6.9	2,120	1	8.4	2,581	1	6.9	2,120	1
2022	31,807	6.9	2,195	1	8.4	2,672	1	6.9	2,195	1
2023	32,920	6.9	2,271	1	8.4	2,765	1	6.9	2,271	1
2024	34,072	6.9	2,351	1	8.4	2,862	1	6.9	2,351	1

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
2015	\$ 25,000	8.4%	\$2,100	\$ 1	9.9%	\$2,475	\$ 1	9.9%	\$2,475	\$ 1
2016	25,875	8.4	2,174	1	9.9	2,562	1	9.9	2,562	1
2017	26,781	8.4	2,250	1	9.9	2,651	1	9.9	2,651	1
2018	27,718	8.4	2,328	1	9.9	2,744	1	9.9	2,744	1
2019	28,688	8.4	2,410	1	9.9	2,840	1	9.9	2,840	1
2020	29,692	8.4	2,494	1	9.9	2,940	1	9.9	2,940	1
2021	30,731	8.4	2,581	1	9.9	3,042	1	9.9	3,042	1
2022	31,807	8.4	2,672	1	9.9	3,149	1	9.9	3,149	1
2023	32,920	8.4	2,765	1	9.9	3,259	1	9.9	3,259	1
2024	34,072	8.4	2,862	1	9.9	3,373	1	9.9	3,373	1

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
2015	\$ 25,000	11.6%	\$2,900	\$ 1	11.6%	\$2,900	\$ 1	13.1%	\$3,275	\$ 1
2016	25,875	11.6	3,002	1	11.6	3,002	1	13.1	3,390	1
2017	26,781	11.6	3,107	1	11.6	3,107	1	13.1	3,508	1
2018	27,718	11.6	3,215	1	11.6	3,215	1	13.1	3,631	1
2019	28,688	11.6	3,328	1	11.6	3,328	1	13.1	3,758	1
2020	29,692	11.6	3,444	1	11.6	3,444	1	13.1	3,890	1
2021	30,731	11.6	3,565	1	11.6	3,565	1	13.1	4,026	1
2022	31,807	11.6	3,690	1	11.6	3,690	1	13.1	4,167	1
2023	32,920	11.6	3,819	1	11.6	3,819	1	13.1	4,313	1
2024	34,072	11.6	3,952	1	11.6	3,952	1	13.1	4,463	1

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 25,000	7.0%	\$1,750	\$ -	8.6%	\$2,150	\$ -	7.0%	\$1,750	\$ -
2016	25,875	7.0	1,811	-	8.6	2,225	-	7.0	1,811	-
2017	26,781	7.0	1,875	-	8.6	2,303	-	7.0	1,875	-
2018	27,718	7.0	1,940	-	8.6	2,384	-	7.0	1,940	-
2019	28,688	7.0	2,008	-	8.6	2,467	-	7.0	2,008	-
2020	29,692	7.0	2,078	-	8.6	2,554	-	7.0	2,078	-
2021	30,731	7.0	2,151	-	8.6	2,643	-	7.0	2,151	-
2022	31,807	7.0	2,226	-	8.6	2,735	-	7.0	2,226	-
2023	32,920	7.0	2,304	-	8.6	2,831	-	7.0	2,304	-
2024	34,072	7.0	2,385	-	8.6	2,930	-	7.0	2,385	-

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
2015	\$ 25,000	8.6%	\$2,150	\$ -	10.2%	\$2,550	\$ 1	10.2%	\$2,550	\$ 1
2016	25,875	8.6	2,225	-	10.2	2,639	1	10.2	2,639	1
2017	26,781	8.6	2,303	-	10.2	2,732	1	10.2	2,732	1
2018	27,718	8.6	2,384	-	10.2	2,827	1	10.2	2,827	1
2019	28,688	8.6	2,467	-	10.2	2,926	1	10.2	2,926	1
2020	29,692	8.6	2,554	-	10.2	3,029	1	10.2	3,029	1
2021	30,731	8.6	2,643	-	10.2	3,135	1	10.2	3,135	1
2022	31,807	8.6	2,735	-	10.2	3,244	1	10.2	3,244	1
2023	32,920	8.6	2,831	-	10.2	3,358	1	10.2	3,358	1
2024	34,072	8.6	2,930	-	10.2	3,475	1	10.2	3,475	1

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
2015	\$ 25,000	11.8%	\$2,950	\$ -	11.8%	\$2,950	\$ -	13.4%	\$3,350	\$ -
2016	25,875	11.8	3,053	-	11.8	3,053	-	13.4	3,467	-
2017	26,781	11.8	3,160	-	11.8	3,160	-	13.4	3,589	-
2018	27,718	11.8	3,271	-	11.8	3,271	-	13.4	3,714	-
2019	28,688	11.8	3,385	-	11.8	3,385	-	13.4	3,844	-
2020	29,692	11.8	3,504	-	11.8	3,504	-	13.4	3,979	-
2021	30,731	11.8	3,626	-	11.8	3,626	-	13.4	4,118	-
2022	31,807	11.8	3,753	-	11.8	3,753	-	13.4	4,262	-
2023	32,920	11.8	3,885	-	11.8	3,885	-	13.4	4,411	-
2024	34,072	11.8	4,020	-	11.8	4,020	-	13.4	4,566	-

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 25,000	4.0%	\$1,000	\$ -	5.6%	\$1,400	\$ -	4.0%	\$1,000	\$ -
2016	25,875	4.0	1,035	-	5.6	1,449	-	4.0	1,035	-
2017	26,781	4.0	1,071	-	5.6	1,500	-	4.0	1,071	-
2018	27,718	4.0	1,109	-	5.6	1,552	-	4.0	1,109	-
2019	28,688	4.0	1,148	-	5.6	1,607	-	4.0	1,148	-
2020	29,692	4.0	1,188	-	5.6	1,663	-	4.0	1,188	-
2021	30,731	4.0	1,229	-	5.6	1,721	-	4.0	1,229	-
2022	31,807	4.0	1,272	-	5.6	1,781	-	4.0	1,272	-
2023	32,920	4.0	1,317	-	5.6	1,844	-	4.0	1,317	-
2024	34,072	4.0	1,363	-	5.6	1,908	-	4.0	1,363	-

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
2015	\$ 25,000	5.6%	\$1,400	\$ -	7.1%	\$1,775	\$ 2	7.1%	\$1,775	\$ 2
2016	25,875	5.6	1,449	-	7.1	1,837	2	7.1	1,837	2
2017	26,781	5.6	1,500	-	7.1	1,901	2	7.1	1,901	2
2018	27,718	5.6	1,552	-	7.1	1,968	2	7.1	1,968	2
2019	28,688	5.6	1,607	-	7.1	2,037	2	7.1	2,037	2
2020	29,692	5.6	1,663	-	7.1	2,108	2	7.1	2,108	2
2021	30,731	5.6	1,721	-	7.1	2,182	2	7.1	2,182	2
2022	31,807	5.6	1,781	-	7.1	2,258	2	7.1	2,258	2
2023	32,920	5.6	1,844	-	7.1	2,337	2	7.1	2,337	2
2024	34,072	5.6	1,908	-	7.1	2,419	2	7.1	2,419	2

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
2015	\$ 25,000	8.8%	\$2,200	\$ 1	8.8%	\$2,200	\$ 1	10.3%	\$2,575	\$ 1
2016	25,875	8.8	2,277	1	8.8	2,277	1	10.3	2,665	1
2017	26,781	8.8	2,357	1	8.8	2,357	1	10.3	2,758	1
2018	27,718	8.8	2,439	1	8.8	2,439	1	10.3	2,855	1
2019	28,688	8.8	2,525	1	8.8	2,525	1	10.3	2,955	1
2020	29,692	8.8	2,613	1	8.8	2,613	1	10.3	3,058	1
2021	30,731	8.8	2,704	1	8.8	2,704	1	10.3	3,165	1
2022	31,807	8.8	2,799	1	8.8	2,799	1	10.3	3,276	1
2023	32,920	8.8	2,897	1	8.8	2,897	1	10.3	3,391	1
2024	34,072	8.8	2,998	1	8.8	2,998	1	10.3	3,509	1

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 25,000	4.2%	\$1,050	\$ -	5.8%	\$1,450	\$ -	4.2%	\$1,050	\$ -
2016	25,875	4.2	1,087	-	5.8	1,501	-	4.2	1,087	-
2017	26,781	4.2	1,125	-	5.8	1,553	-	4.2	1,125	-
2018	27,718	4.2	1,164	-	5.8	1,608	-	4.2	1,164	-
2019	28,688	4.2	1,205	-	5.8	1,664	-	4.2	1,205	-
2020	29,692	4.2	1,247	-	5.8	1,722	-	4.2	1,247	-
2021	30,731	4.2	1,291	-	5.8	1,782	-	4.2	1,291	-
2022	31,807	4.2	1,336	-	5.8	1,845	-	4.2	1,336	-
2023	32,920	4.2	1,383	-	5.8	1,909	-	4.2	1,383	-
2024	34,072	4.2	1,431	-	5.8	1,976	-	4.2	1,431	-

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
2015	\$ 25,000	5.8%	\$1,450	\$ -	7.4%	\$1,850	\$ -	7.4%	\$1,850	\$ -
2016	25,875	5.8	1,501	-	7.4	1,915	-	7.4	1,915	-
2017	26,781	5.8	1,553	-	7.4	1,982	-	7.4	1,982	-
2018	27,718	5.8	1,608	-	7.4	2,051	-	7.4	2,051	-
2019	28,688	5.8	1,664	-	7.4	2,123	-	7.4	2,123	-
2020	29,692	5.8	1,722	-	7.4	2,197	-	7.4	2,197	-
2021	30,731	5.8	1,782	-	7.4	2,274	-	7.4	2,274	-
2022	31,807	5.8	1,845	-	7.4	2,354	-	7.4	2,354	-
2023	32,920	5.8	1,909	-	7.4	2,436	-	7.4	2,436	-
2024	34,072	5.8	1,976	-	7.4	2,521	-	7.4	2,521	-

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
2015	\$ 25,000	9.0%	\$2,250	\$ 1	9.0%	\$2,250	\$ 1	10.6%	\$2,650	\$ -
2016	25,875	9.0	2,329	1	9.0	2,329	1	10.6	2,743	-
2017	26,781	9.0	2,410	1	9.0	2,410	1	10.6	2,839	-
2018	27,718	9.0	2,495	1	9.0	2,495	1	10.6	2,938	-
2019	28,688	9.0	2,582	1	9.0	2,582	1	10.6	3,041	-
2020	29,692	9.0	2,672	1	9.0	2,672	1	10.6	3,147	-
2021	30,731	9.0	2,766	1	9.0	2,766	1	10.6	3,257	-
2022	31,807	9.0	2,863	1	9.0	2,863	1	10.6	3,372	-
2023	32,920	9.0	2,963	1	9.0	2,963	1	10.6	3,490	-
2024	34,072	9.0	3,066	1	9.0	3,066	1	10.6	3,612	-

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 25,000	6.9%	\$1,725	\$ 1	8.4%	\$2,100	\$ 1	6.9%	\$1,725	\$ 1
2016	25,875	6.9	1,785	1	8.4	2,174	1	6.9	1,785	1
2017	26,781	6.9	1,848	1	8.4	2,250	1	6.9	1,848	1
2018	27,718	6.9	1,913	1	8.4	2,328	1	6.9	1,913	1
2019	28,688	6.9	1,979	1	8.4	2,410	1	6.9	1,979	1
2020	29,692	6.9	2,049	1	8.4	2,494	1	6.9	2,049	1
2021	30,731	6.9	2,120	1	8.4	2,581	1	6.9	2,120	1
2022	31,807	6.9	2,195	1	8.4	2,672	1	6.9	2,195	1
2023	32,920	6.9	2,271	1	8.4	2,765	1	6.9	2,271	1
2024	34,072	6.9	2,351	1	8.4	2,862	1	6.9	2,351	1

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
2015	\$ 25,000	8.4%	\$2,100	\$ 1	9.9%	\$2,475	\$ 1	9.9%	\$2,475	\$ 1
2016	25,875	8.4	2,174	1	9.9	2,562	1	9.9	2,562	1
2017	26,781	8.4	2,250	1	9.9	2,651	1	9.9	2,651	1
2018	27,718	8.4	2,328	1	9.9	2,744	1	9.9	2,744	1
2019	28,688	8.4	2,410	1	9.9	2,840	1	9.9	2,840	1
2020	29,692	8.4	2,494	1	9.9	2,940	1	9.9	2,940	1
2021	30,731	8.4	2,581	1	9.9	3,042	1	9.9	3,042	1
2022	31,807	8.4	2,672	1	9.9	3,149	1	9.9	3,149	1
2023	32,920	8.4	2,765	1	9.9	3,259	1	9.9	3,259	1
2024	34,072	8.4	2,862	1	9.9	3,373	1	9.9	3,373	1

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
2015	\$ 25,000	11.6%	\$2,900	\$ 1	11.6%	\$2,900	\$ 1	13.1%	\$3,275	\$ 1
2016	25,875	11.6	3,002	1	11.6	3,002	1	13.1	3,390	1
2017	26,781	11.6	3,107	1	11.6	3,107	1	13.1	3,508	1
2018	27,718	11.6	3,215	1	11.6	3,215	1	13.1	3,631	1
2019	28,688	11.6	3,328	1	11.6	3,328	1	13.1	3,758	1
2020	29,692	11.6	3,444	1	11.6	3,444	1	13.1	3,890	1
2021	30,731	11.6	3,565	1	11.6	3,565	1	13.1	4,026	1
2022	31,807	11.6	3,690	1	11.6	3,690	1	13.1	4,167	1
2023	32,920	11.6	3,819	1	11.6	3,819	1	13.1	4,313	1
2024	34,072	11.6	3,952	1	11.6	3,952	1	13.1	4,463	1

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 25,000	7.0%	\$1,750	\$ -	8.6%	\$2,150	\$ -	7.0%	\$1,750	\$ -
2016	25,875	7.0	1,811	-	8.6	2,225	-	7.0	1,811	-
2017	26,781	7.0	1,875	-	8.6	2,303	-	7.0	1,875	-
2018	27,718	7.0	1,940	-	8.6	2,384	-	7.0	1,940	-
2019	28,688	7.0	2,008	-	8.6	2,467	-	7.0	2,008	-
2020	29,692	7.0	2,078	-	8.6	2,554	-	7.0	2,078	-
2021	30,731	7.0	2,151	-	8.6	2,643	-	7.0	2,151	-
2022	31,807	7.0	2,226	-	8.6	2,735	-	7.0	2,226	-
2023	32,920	7.0	2,304	-	8.6	2,831	-	7.0	2,304	-
2024	34,072	7.0	2,385	-	8.6	2,930	-	7.0	2,385	-

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
2015	\$ 25,000	8.6%	\$2,150	\$ -	10.2%	\$2,550	\$ 1	10.2%	\$2,550	\$ 1
2016	25,875	8.6	2,225	-	10.2	2,639	1	10.2	2,639	1
2017	26,781	8.6	2,303	-	10.2	2,732	1	10.2	2,732	1
2018	27,718	8.6	2,384	-	10.2	2,827	1	10.2	2,827	1
2019	28,688	8.6	2,467	-	10.2	2,926	1	10.2	2,926	1
2020	29,692	8.6	2,554	-	10.2	3,029	1	10.2	3,029	1
2021	30,731	8.6	2,643	-	10.2	3,135	1	10.2	3,135	1
2022	31,807	8.6	2,735	-	10.2	3,244	1	10.2	3,244	1
2023	32,920	8.6	2,831	-	10.2	3,358	1	10.2	3,358	1
2024	34,072	8.6	2,930	-	10.2	3,475	1	10.2	3,475	1

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
2015	\$ 25,000	11.8%	\$2,950	\$ -	11.8%	\$2,950	\$ -	13.4%	\$3,350	\$ -
2016	25,875	11.8	3,053	-	11.8	3,053	-	13.4	3,467	-
2017	26,781	11.8	3,160	-	11.8	3,160	-	13.4	3,589	-
2018	27,718	11.8	3,271	-	11.8	3,271	-	13.4	3,714	-
2019	28,688	11.8	3,385	-	11.8	3,385	-	13.4	3,844	-
2020	29,692	11.8	3,504	-	11.8	3,504	-	13.4	3,979	-
2021	30,731	11.8	3,626	-	11.8	3,626	-	13.4	4,118	-
2022	31,807	11.8	3,753	-	11.8	3,753	-	13.4	4,262	-
2023	32,920	11.8	3,885	-	11.8	3,885	-	13.4	4,411	-
2024	34,072	11.8	4,020	-	11.8	4,020	-	13.4	4,566	-

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 171,000	4.6%	\$7,866	\$ 25,102	6.5%	\$11,115	\$ 31,963	7.1%	\$12,141	\$ 34,438
2016	176,985	4.6	8,141	25,487	6.5	11,504	32,454	7.1	12,566	34,967
2017	183,179	4.6	8,426	25,850	6.5	11,907	32,916	7.1	13,006	35,465
2018	189,590	4.6	8,721	26,188	6.5	12,323	33,346	7.1	13,461	35,928
2019	196,226	4.6	9,026	26,496	6.5	12,755	33,738	7.1	13,932	36,351
2020	203,094	4.6	9,342	26,771	6.5	13,201	34,088	7.1	14,420	36,728
2021	210,202	4.6	9,669	27,008	6.5	13,663	34,390	7.1	14,924	37,053
2022	217,559	4.6	10,008	27,203	6.5	14,141	34,638	7.1	15,447	37,320
2023	225,174	4.6	10,358	27,350	6.5	14,636	34,825	7.1	15,987	37,522
2024	233,055	4.6	10,721	27,444	6.5	15,149	34,945	7.1	16,547	37,651

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
2015	\$ 171,000	8.4%	\$14,364	\$ 38,988	8.5%	\$14,535	\$ 38,950	9.8%	\$16,758	\$ 43,586
2016	176,985	8.4	14,867	39,587	8.5	15,044	39,548	9.8	17,345	44,255
2017	183,179	8.4	15,387	40,151	8.5	15,570	40,111	9.8	17,952	44,886
2018	189,590	8.4	15,926	40,675	8.5	16,115	40,635	9.8	18,580	45,472
2019	196,226	8.4	16,483	41,154	8.5	16,679	41,113	9.8	19,230	46,007
2020	203,094	8.4	17,060	41,581	8.5	17,263	41,540	9.8	19,903	46,484
2021	210,202	8.4	17,657	41,949	8.5	17,867	41,908	9.8	20,600	46,896
2022	217,559	8.4	18,275	42,251	8.5	18,493	42,210	9.8	21,321	47,234
2023	225,174	8.4	18,915	42,480	8.5	19,140	42,438	9.8	22,067	47,490
2024	233,055	8.4	19,577	42,626	8.5	19,810	42,584	9.8	22,839	47,653

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
2015	\$ 171,000	10.6%	\$18,126	\$ 45,827	11.1%	\$18,981	\$ 48,188	12.5%	\$21,375	\$ 52,745
2016	176,985	10.6	18,760	46,531	11.1	19,645	48,928	12.5	22,123	53,555
2017	183,179	10.6	19,417	47,194	11.1	20,333	49,625	12.5	22,897	54,318
2018	189,590	10.6	20,097	47,810	11.1	21,044	50,273	12.5	23,699	55,027
2019	196,226	10.6	20,800	48,373	11.1	21,781	50,865	12.5	24,528	55,675
2020	203,094	10.6	21,528	48,875	11.1	22,543	51,393	12.5	25,387	56,253
2021	210,202	10.6	22,281	49,308	11.1	23,332	51,848	12.5	26,275	56,751
2022	217,559	10.6	23,061	49,664	11.1	24,149	52,222	12.5	27,195	57,160
2023	225,174	10.6	23,868	49,933	11.1	24,994	52,505	12.5	28,147	57,469
2024	233,055	10.6	24,704	50,105	11.1	25,869	52,685	12.5	29,132	57,666

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 171,000	4.9%	\$8,379	\$ 26,170	7.0%	\$11,970	\$ 33,287	7.5%	\$12,825	\$ 35,846
2016	176,985	4.9	8,672	26,572	7.0	12,389	33,798	7.5	13,274	36,396
2017	183,179	4.9	8,976	26,951	7.0	12,823	34,280	7.5	13,738	36,915
2018	189,590	4.9	9,290	27,303	7.0	13,271	34,728	7.5	14,219	37,397
2019	196,226	4.9	9,615	27,624	7.0	13,736	35,137	7.5	14,717	37,837
2020	203,094	4.9	9,952	27,911	7.0	14,217	35,502	7.5	15,232	38,230
2021	210,202	4.9	10,300	28,158	7.0	14,714	35,817	7.5	15,765	38,569
2022	217,559	4.9	10,660	28,361	7.0	15,229	36,075	7.5	16,317	38,847
2023	225,174	4.9	11,034	28,514	7.0	15,762	36,270	7.5	16,888	39,057
2024	233,055	4.9	11,420	28,612	7.0	16,314	36,395	7.5	17,479	39,191

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
2015	\$ 171,000	8.9%	\$15,219	\$ 40,538	9.0%	\$15,390	\$ 40,580	10.3%	\$17,613	\$ 45,446
2016	176,985	8.9	15,752	41,160	9.0	15,929	41,203	10.3	18,229	46,144
2017	183,179	8.9	16,303	41,746	9.0	16,486	41,790	10.3	18,867	46,801
2018	189,590	8.9	16,874	42,291	9.0	17,063	42,336	10.3	19,528	47,412
2019	196,226	8.9	17,464	42,789	9.0	17,660	42,834	10.3	20,211	47,970
2020	203,094	8.9	18,075	43,233	9.0	18,278	43,278	10.3	20,919	48,468
2021	210,202	8.9	18,708	43,616	9.0	18,918	43,661	10.3	21,651	48,897
2022	217,559	8.9	19,363	43,931	9.0	19,580	43,976	10.3	22,409	49,250
2023	225,174	8.9	20,040	44,169	9.0	20,266	44,214	10.3	23,193	49,516
2024	233,055	8.9	20,742	44,321	9.0	20,975	44,366	10.3	24,005	49,686

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
2015	\$ 171,000	11.1%	\$18,981	\$ 47,735	11.7%	\$20,007	\$ 50,154	13.1%	\$22,401	\$ 54,837
2016	176,985	11.1	19,645	48,468	11.7	20,707	50,924	13.1	23,185	55,679
2017	183,179	11.1	20,333	49,159	11.7	21,432	51,650	13.1	23,996	56,472
2018	189,590	11.1	21,044	49,801	11.7	22,182	52,324	13.1	24,836	57,209
2019	196,226	11.1	21,781	50,387	11.7	22,958	52,940	13.1	25,706	57,882
2020	203,094	11.1	22,543	50,910	11.7	23,762	53,489	13.1	26,605	58,482
2021	210,202	11.1	23,332	51,361	11.7	24,594	53,963	13.1	27,536	59,000
2022	217,559	11.1	24,149	51,731	11.7	25,454	54,352	13.1	28,500	59,425
2023	225,174	11.1	24,994	52,011	11.7	26,345	54,646	13.1	29,498	59,746
2024	233,055	11.1	25,869	52,190	11.7	27,267	54,834	13.1	30,530	59,951

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 171,000	8.5%	\$14,535	\$ 27,814	10.4%	\$17,784	\$ 34,776	11.0%	\$18,810	\$ 37,089
2016	176,985	8.5	15,044	28,241	10.4	18,406	35,310	11.0	19,468	37,658
2017	183,179	8.5	15,570	28,643	10.4	19,051	35,813	11.0	20,150	38,195
2018	189,590	8.5	16,115	29,017	10.4	19,717	36,281	11.0	20,855	38,694
2019	196,226	8.5	16,679	29,358	10.4	20,408	36,708	11.0	21,585	39,149
2020	203,094	8.5	17,263	29,663	10.4	21,122	37,089	11.0	22,340	39,555
2021	210,202	8.5	17,867	29,926	10.4	21,861	37,418	11.0	23,122	39,905
2022	217,559	8.5	18,493	30,142	10.4	22,626	37,688	11.0	23,931	40,193
2023	225,174	8.5	19,140	30,305	10.4	23,418	37,892	11.0	24,769	40,410
2024	233,055	8.5	19,810	30,409	10.4	24,238	38,022	11.0	25,636	40,549

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
2015	\$ 171,000	12.3%	\$21,033	\$ 41,689	12.4%	\$21,204	\$ 41,682	13.7%	\$23,427	\$ 46,354
2016	176,985	12.3	21,769	42,329	12.4	21,946	42,322	13.7	24,247	47,066
2017	183,179	12.3	22,531	42,932	12.4	22,714	42,925	13.7	25,096	47,737
2018	189,590	12.3	23,320	43,493	12.4	23,509	43,485	13.7	25,974	48,360
2019	196,226	12.3	24,136	44,005	12.4	24,332	43,997	13.7	26,883	48,929
2020	203,094	12.3	24,981	44,462	12.4	25,184	44,453	13.7	27,824	49,437
2021	210,202	12.3	25,855	44,856	12.4	26,065	44,847	13.7	28,798	49,875
2022	217,559	12.3	26,760	45,179	12.4	26,977	45,170	13.7	29,806	50,235
2023	225,174	12.3	27,696	45,423	12.4	27,922	45,414	13.7	30,849	50,507
2024	233,055	12.3	28,666	45,579	12.4	28,899	45,570	13.7	31,929	50,680

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
2015	\$ 171,000	14.5%	\$24,795	\$ 48,638	15.0%	\$25,650	\$ 50,965	16.4%	\$28,044	\$ 55,592
2016	176,985	14.5	25,663	49,385	15.0	26,548	51,748	16.4	29,026	56,446
2017	183,179	14.5	26,561	50,089	15.0	27,477	52,485	16.4	30,041	57,250
2018	189,590	14.5	27,491	50,743	15.0	28,439	53,170	16.4	31,093	57,997
2019	196,226	14.5	28,453	51,340	15.0	29,434	53,796	16.4	32,181	58,680
2020	203,094	14.5	29,449	51,873	15.0	30,464	54,354	16.4	33,307	59,289
2021	210,202	14.5	30,479	52,333	15.0	31,530	54,836	16.4	34,473	59,814
2022	217,559	14.5	31,546	52,710	15.0	32,634	55,231	16.4	35,680	60,245
2023	225,174	14.5	32,650	52,995	15.0	33,776	55,530	16.4	36,929	60,571
2024	233,055	14.5	33,793	53,177	15.0	34,958	55,721	16.4	38,221	60,779

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 171,000	8.8%	\$15,048	\$ 28,858	10.9%	\$18,639	\$ 36,097	11.4%	\$19,494	\$ 38,510
2016	176,985	8.8	15,575	29,301	10.9	19,291	36,651	11.4	20,176	39,101
2017	183,179	8.8	16,120	29,718	10.9	19,967	37,173	11.4	20,882	39,658
2018	189,590	8.8	16,684	30,106	10.9	20,665	37,658	11.4	21,613	40,176
2019	196,226	8.8	17,268	30,460	10.9	21,389	38,101	11.4	22,370	40,649
2020	203,094	8.8	17,872	30,776	10.9	22,137	38,496	11.4	23,153	41,071
2021	210,202	8.8	18,498	31,049	10.9	22,912	38,837	11.4	23,963	41,435
2022	217,559	8.8	19,145	31,273	10.9	23,714	39,117	11.4	24,802	41,734
2023	225,174	8.8	19,815	31,442	10.9	24,544	39,329	11.4	25,670	41,960
2024	233,055	8.8	20,509	31,550	10.9	25,403	39,464	11.4	26,568	42,104

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
2015	\$ 171,000	12.8%	\$21,888	\$ 43,320	12.9%	\$22,059	\$ 43,284	14.2%	\$24,282	\$ 48,119
2016	176,985	12.8	22,654	43,985	12.9	22,831	43,949	14.2	25,132	48,858
2017	183,179	12.8	23,447	44,612	12.9	23,630	44,575	14.2	26,011	49,554
2018	189,590	12.8	24,268	45,194	12.9	24,457	45,157	14.2	26,922	50,201
2019	196,226	12.8	25,117	45,726	12.9	25,313	45,688	14.2	27,864	50,792
2020	203,094	12.8	25,996	46,200	12.9	26,199	46,162	14.2	28,839	51,319
2021	210,202	12.8	26,906	46,609	12.9	27,116	46,571	14.2	29,849	51,774
2022	217,559	12.8	27,848	46,945	12.9	28,065	46,907	14.2	30,893	52,147
2023	225,174	12.8	28,822	47,199	12.9	29,047	47,161	14.2	31,975	52,429
2024	233,055	12.8	29,831	47,361	12.9	30,064	47,323	14.2	33,094	52,609

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
2015	\$ 171,000	15.0%	\$25,650	\$ 50,468	15.6%	\$26,676	\$ 52,888	17.0%	\$29,070	\$ 57,737
2016	176,985	15.0	26,548	51,243	15.6	27,610	53,700	17.0	30,087	58,623
2017	183,179	15.0	27,477	51,973	15.6	28,576	54,465	17.0	31,140	59,458
2018	189,590	15.0	28,439	52,652	15.6	29,576	55,176	17.0	32,230	60,234
2019	196,226	15.0	29,434	53,272	15.6	30,611	55,825	17.0	33,358	60,943
2020	203,094	15.0	30,464	53,825	15.6	31,683	56,404	17.0	34,526	61,575
2021	210,202	15.0	31,530	54,302	15.6	32,792	56,904	17.0	35,734	62,121
2022	217,559	15.0	32,634	54,694	15.6	33,939	57,314	17.0	36,985	62,569
2023	225,174	15.0	33,776	54,990	15.6	35,127	57,624	17.0	38,280	62,907
2024	233,055	15.0	34,958	55,179	15.6	36,357	57,822	17.0	39,619	63,123

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 171,000	5.0%	\$8,550	\$ 25,796	7.0%	\$11,970	\$ 32,777	8.1%	\$13,851	\$ 36,031
2016	176,985	5.0	8,849	26,192	7.0	12,389	33,280	8.1	14,336	36,584
2017	183,179	5.0	9,159	26,565	7.0	12,823	33,754	8.1	14,837	37,105
2018	189,590	5.0	9,480	26,912	7.0	13,271	34,195	8.1	15,357	37,589
2019	196,226	5.0	9,811	27,229	7.0	13,736	34,597	8.1	15,894	38,031
2020	203,094	5.0	10,155	27,511	7.0	14,217	34,956	8.1	16,451	38,426
2021	210,202	5.0	10,510	27,755	7.0	14,714	35,266	8.1	17,026	38,766
2022	217,559	5.0	10,878	27,955	7.0	15,229	35,520	8.1	17,622	39,046
2023	225,174	5.0	11,259	28,106	7.0	15,762	35,712	8.1	18,239	39,257
2024	233,055	5.0	11,653	28,203	7.0	16,314	35,835	8.1	18,877	39,392

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
2015	\$ 171,000	9.3%	\$15,903	\$ 40,489	9.1%	\$15,561	\$ 39,969	10.6%	\$18,126	\$ 45,066
2016	176,985	9.3	16,460	41,111	9.1	16,106	40,583	10.6	18,760	45,758
2017	183,179	9.3	17,036	41,697	9.1	16,669	41,161	10.6	19,417	46,410
2018	189,590	9.3	17,632	42,241	9.1	17,253	41,698	10.6	20,097	47,016
2019	196,226	9.3	18,249	42,738	9.1	17,857	42,189	10.6	20,800	47,569
2020	203,094	9.3	18,888	43,181	9.1	18,482	42,627	10.6	21,528	48,062
2021	210,202	9.3	19,549	43,564	9.1	19,128	43,005	10.6	22,281	48,488
2022	217,559	9.3	20,233	43,878	9.1	19,798	43,315	10.6	23,061	48,838
2023	225,174	9.3	20,941	44,115	9.1	20,491	43,549	10.6	23,868	49,102
2024	233,055	9.3	21,674	44,267	9.1	21,208	43,699	10.6	24,704	49,271

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
2015	\$ 171,000	11.2%	\$19,152	\$ 47,052	12.0%	\$20,520	\$ 49,627	13.3%	\$22,743	\$ 54,087
2016	176,985	11.2	19,822	47,774	12.0	21,238	50,389	13.3	23,539	54,917
2017	183,179	11.2	20,516	48,455	12.0	21,981	51,107	13.3	24,363	55,699
2018	189,590	11.2	21,234	49,088	12.0	22,751	51,774	13.3	25,215	56,426
2019	196,226	11.2	21,977	49,666	12.0	23,547	52,383	13.3	26,098	57,090
2020	203,094	11.2	22,747	50,181	12.0	24,371	52,926	13.3	27,012	57,682
2021	210,202	11.2	23,543	50,626	12.0	25,224	53,395	13.3	27,957	58,193
2022	217,559	11.2	24,367	50,991	12.0	26,107	53,780	13.3	28,935	58,613
2023	225,174	11.2	25,219	51,267	12.0	27,021	54,071	13.3	29,948	58,930
2024	233,055	11.2	26,102	51,443	12.0	27,967	54,257	13.3	30,996	59,132

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 171,000	5.4%	\$9,234	\$ 26,916	7.5%	\$12,825	\$ 34,172	8.5%	\$14,535	\$ 37,506
2016	176,985	5.4	9,557	27,329	7.5	13,274	34,697	8.5	15,044	38,082
2017	183,179	5.4	9,892	27,718	7.5	13,738	35,191	8.5	15,570	38,625
2018	189,590	5.4	10,238	28,080	7.5	14,219	35,650	8.5	16,115	39,129
2019	196,226	5.4	10,596	28,410	7.5	14,717	36,070	8.5	16,679	39,589
2020	203,094	5.4	10,967	28,705	7.5	15,232	36,444	8.5	17,263	40,000
2021	210,202	5.4	11,351	28,959	7.5	15,765	36,767	8.5	17,867	40,354
2022	217,559	5.4	11,748	29,168	7.5	16,317	37,032	8.5	18,493	40,645
2023	225,174	5.4	12,159	29,326	7.5	16,888	37,232	8.5	19,140	40,865
2024	233,055	5.4	12,585	29,427	7.5	17,479	37,360	8.5	19,810	41,005

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
2015	\$ 171,000	9.8%	\$16,758	\$ 42,163	9.6%	\$16,416	\$ 41,618	11.2%	\$19,152	\$ 46,933
2016	176,985	9.8	17,345	42,810	9.6	16,991	42,257	11.2	19,822	47,654
2017	183,179	9.8	17,952	43,420	9.6	17,585	42,859	11.2	20,516	48,333
2018	189,590	9.8	18,580	43,987	9.6	18,201	43,419	11.2	21,234	48,964
2019	196,226	9.8	19,230	44,505	9.6	18,838	43,930	11.2	21,977	49,540
2020	203,094	9.8	19,903	44,967	9.6	19,497	44,386	11.2	22,747	50,054
2021	210,202	9.8	20,600	45,365	9.6	20,179	44,779	11.2	23,543	50,497
2022	217,559	9.8	21,321	45,692	9.6	20,886	45,102	11.2	24,367	50,861
2023	225,174	9.8	22,067	45,939	9.6	21,617	45,346	11.2	25,219	51,136
2024	233,055	9.8	22,839	46,097	9.6	22,373	45,502	11.2	26,102	51,312

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
2015	\$ 171,000	11.8%	\$20,178	\$ 49,003	12.7%	\$21,717	\$ 51,649	13.9%	\$23,769	\$ 56,290
2016	176,985	11.8	20,884	49,755	12.7	22,477	52,442	13.9	24,601	57,154
2017	183,179	11.8	21,615	50,464	12.7	23,264	53,189	13.9	25,462	57,968
2018	189,590	11.8	22,372	51,123	12.7	24,078	53,883	13.9	26,353	58,725
2019	196,226	11.8	23,155	51,725	12.7	24,921	54,517	13.9	27,275	59,416
2020	203,094	11.8	23,965	52,262	12.7	25,793	55,083	13.9	28,230	60,032
2021	210,202	11.8	24,804	52,725	12.7	26,696	55,571	13.9	29,218	60,564
2022	217,559	11.8	25,672	53,105	12.7	27,630	55,972	13.9	30,241	61,001
2023	225,174	11.8	26,571	53,392	12.7	28,597	56,275	13.9	31,299	61,331
2024	233,055	11.8	27,500	53,575	12.7	29,598	56,468	13.9	32,395	61,542

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 3.50%.
- 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.

Fair Grove 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
2015	\$ 171,000	8.9%	\$15,219	\$ 28,498	10.9%	\$18,639	\$ 35,611	11.9%	\$20,349	\$ 38,684
2016	176,985	8.9	15,752	28,936	10.9	19,291	36,158	11.9	21,061	39,278
2017	183,179	8.9	16,303	29,348	10.9	19,967	36,673	11.9	21,798	39,838
2018	189,590	8.9	16,874	29,731	10.9	20,665	37,152	11.9	22,561	40,358
2019	196,226	8.9	17,464	30,081	10.9	21,389	37,589	11.9	23,351	40,833
2020	203,094	8.9	18,075	30,393	10.9	22,137	37,979	11.9	24,168	41,257
2021	210,202	8.9	18,708	30,662	10.9	22,912	38,315	11.9	25,014	41,623
2022	217,559	8.9	19,363	30,883	10.9	23,714	38,591	11.9	25,890	41,923
2023	225,174	8.9	20,040	31,050	10.9	24,544	38,800	11.9	26,796	42,150
2024	233,055	8.9	20,742	31,157	10.9	25,403	38,933	11.9	27,734	42,295

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
2015	\$ 171,000	13.2%	\$22,572	\$ 43,242	13.0%	\$22,230	\$ 42,718	14.5%	\$24,795	\$ 47,848
2016	176,985	13.2	23,362	43,906	13.0	23,008	43,374	14.5	25,663	48,583
2017	183,179	13.2	24,180	44,532	13.0	23,813	43,992	14.5	26,561	49,275
2018	189,590	13.2	25,026	45,113	13.0	24,647	44,566	14.5	27,491	49,918
2019	196,226	13.2	25,902	45,644	13.0	25,509	45,090	14.5	28,453	50,505
2020	203,094	13.2	26,808	46,118	13.0	26,402	45,558	14.5	29,449	51,029
2021	210,202	13.2	27,747	46,527	13.0	27,326	45,962	14.5	30,479	51,481
2022	217,559	13.2	28,718	46,863	13.0	28,283	46,293	14.5	31,546	51,852
2023	225,174	13.2	29,723	47,117	13.0	29,273	46,543	14.5	32,650	52,133
2024	233,055	13.2	30,763	47,279	13.0	30,297	46,703	14.5	33,793	52,312

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
2015	\$ 171,000	15.1%	\$25,821	\$ 49,827	15.9%	\$27,189	\$ 52,398	17.2%	\$29,412	\$ 56,914
2016	176,985	15.1	26,725	50,592	15.9	28,141	53,203	17.2	30,441	57,788
2017	183,179	15.1	27,660	51,313	15.9	29,125	53,961	17.2	31,507	58,611
2018	189,590	15.1	28,628	51,983	15.9	30,145	54,666	17.2	32,609	59,376
2019	196,226	15.1	29,630	52,595	15.9	31,200	55,309	17.2	33,751	60,075
2020	203,094	15.1	30,667	53,141	15.9	32,292	55,883	17.2	34,932	60,698
2021	210,202	15.1	31,741	53,612	15.9	33,422	56,378	17.2	36,155	61,236
2022	217,559	15.1	32,851	53,999	15.9	34,592	56,785	17.2	37,420	61,678
2023	225,174	15.1	34,001	54,291	15.9	35,803	57,092	17.2	38,730	62,012
2024	233,055	15.1	35,191	54,477	15.9	37,056	57,288	17.2	40,085	62,225

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 3.50%.
- 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.

Fair Grove 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	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
2015	\$ 171,000	9.3%	\$15,903	\$ 29,610	11.4%	\$19,494	\$ 36,979	12.4%	\$21,204	\$ 40,202
2016	176,985	9.3	16,460	30,065	11.4	20,176	37,547	12.4	21,946	40,819
2017	183,179	9.3	17,036	30,493	11.4	20,882	38,082	12.4	22,714	41,401
2018	189,590	9.3	17,632	30,891	11.4	21,613	38,579	12.4	23,509	41,942
2019	196,226	9.3	18,249	31,255	11.4	22,370	39,033	12.4	24,332	42,436
2020	203,094	9.3	18,888	31,579	11.4	23,153	39,438	12.4	25,184	42,876
2021	210,202	9.3	19,549	31,859	11.4	23,963	39,787	12.4	26,065	43,256
2022	217,559	9.3	20,233	32,089	11.4	24,802	40,074	12.4	26,977	43,568
2023	225,174	9.3	20,941	32,263	11.4	25,670	40,291	12.4	27,922	43,804
2024	233,055	9.3	21,674	32,374	11.4	26,568	40,429	12.4	28,899	43,954

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
2015	\$ 171,000	13.7%	\$23,427	\$ 44,918	13.5%	\$23,085	\$ 44,348	15.1%	\$25,821	\$ 49,694
2016	176,985	13.7	24,247	45,608	13.5	23,893	45,029	15.1	26,725	50,457
2017	183,179	13.7	25,096	46,258	13.5	24,729	45,671	15.1	27,660	51,176
2018	189,590	13.7	25,974	46,862	13.5	25,595	46,267	15.1	28,628	51,844
2019	196,226	13.7	26,883	47,413	13.5	26,491	46,811	15.1	29,630	52,454
2020	203,094	13.7	27,824	47,905	13.5	27,418	47,297	15.1	30,667	52,998
2021	210,202	13.7	28,798	48,329	13.5	28,377	47,716	15.1	31,741	53,468
2022	217,559	13.7	29,806	48,677	13.5	29,370	48,060	15.1	32,851	53,854
2023	225,174	13.7	30,849	48,940	13.5	30,398	48,320	15.1	34,001	54,145
2024	233,055	13.7	31,929	49,108	13.5	31,462	48,486	15.1	35,191	54,331

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
2015	\$ 171,000	15.7%	\$26,847	\$ 51,754	16.6%	\$28,386	\$ 54,401	17.8%	\$30,438	\$ 59,192
2016	176,985	15.7	27,787	52,549	16.6	29,380	55,236	17.8	31,503	60,101
2017	183,179	15.7	28,759	53,298	16.6	30,408	56,023	17.8	32,606	60,957
2018	189,590	15.7	29,766	53,994	16.6	31,472	56,754	17.8	33,747	61,753
2019	196,226	15.7	30,807	54,629	16.6	32,574	57,422	17.8	34,928	62,480
2020	203,094	15.7	31,886	55,196	16.6	33,714	58,018	17.8	36,151	63,128
2021	210,202	15.7	33,002	55,685	16.6	34,894	58,532	17.8	37,416	63,687
2022	217,559	15.7	34,157	56,087	16.6	36,115	58,954	17.8	38,726	64,146
2023	225,174	15.7	35,352	56,390	16.6	37,379	59,273	17.8	40,081	64,493
2024	233,055	15.7	36,590	56,584	16.6	38,687	59,477	17.8	41,484	64,715

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 3.50%.
- 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.