



The Initial Valuation For

Mid-County Fire Protection District

as of February 28, 2021



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March 15, 2021

Mid-County Fire Protection District
St. Louis, 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). This report should not be relied on for any purpose other than the purposes described herein. Determinations of financial results, associated with the benefits described in this report, for purposes other than those identified above may be significantly different.

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

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

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

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

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

The actuarial assumptions and methods used to determine the stated costs are described in Appendix II of this report. In our opinion, they do produce results which, in the aggregate, are reasonable. Additional miscellaneous and technical assumptions as well as disclosures required by the actuarial standards of practice may be found in the LAGERS Compiled Annual Actuarial Valuation report as of February 29, 2020.

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

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

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

In accordance with LAGERS Board policy, the employer contribution rates established by this valuation report are valid for purposes of joining the System for a two year period from the date of this valuation which was February 28, 2021. The valuation was based on data furnished from your records concerning individual employees (see Appendix V).

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

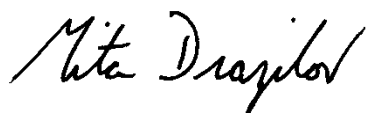
If you have any questions concerning this report or LAGERS in general, please contact the LAGERS office in Jefferson City.

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

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

The signing actuary is independent of the plan sponsor.

Respectfully submitted,



Mita D. Drazilov, ASA, FCA, MAAA



Alternate Plan Provisions Affecting Employer Contribution Rates

The law governing LAGERS provides for a member contribution rate of either 0%, 2%, 4% or 6%, with benefits based on either a 5 year or 3 year Final Average Salary (FAS).

Member Contribution Rate - 0% Plan. Under the 0% plan, there is no individual employee contribution to the plan, no individual account maintained for each employee, and no refund paid to employees who terminate before being eligible for a benefit.

Member Contribution Rate - 2%, 4% or 6% Plan. Under any plan other than 0%, each covered member contributes a percentage of compensation to LAGERS. If an employee terminates before being eligible for an immediate benefit, the member's contributions, plus any interest credited to the member's individual account, are refunded upon request.

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

In total this allows for 144 different combinations of benefit plans, giving employers considerable latitude in designing the retirement program which they feel best suits their particular situation.

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

Mid-County Fire Protection District

Employer Contribution Rates 5 Year FAS - Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	5.30%	0.20%	8.30%	13.80%	11.90%	10.00%	8.10%
	Fire	8.40	0.60	8.80	17.80	15.90	14.00	12.10
L-3	General	6.50	0.30	10.40	17.20	15.30	13.40	11.50
	Fire	10.30	0.70	11.00	22.00	20.10	18.20	16.30
LT-4(65)	General	5.80	0.20	9.30	15.30	13.40	11.50	9.60
	Fire	10.20	0.60	11.50	22.30	20.40	18.50	16.60
LT-5(65)	General	6.80	0.30	11.10	18.20	16.30	14.40	12.50
	Fire	11.60	0.70	13.00	25.30	23.40	21.50	19.60
L-7	General	7.60	0.30	12.40	20.30	18.40	16.50	14.60
	Fire	12.10	0.80	13.20	26.10	24.20	22.30	20.40
LT-8(65)	General	7.80	0.30	12.90	21.00	19.10	17.20	15.30
	Fire	13.10	0.80	14.50	28.40	26.50	24.60	22.70
L-12	General	8.70	0.40	14.50	23.60	21.70	19.80	17.90
	Fire	14.00	0.90	15.40	30.30	28.40	26.50	24.60
LT-14(65)	General	8.80	0.40	14.80	24.00	22.10	20.20	18.30
	Fire	14.50	0.90	16.00	31.40	29.50	27.60	25.70
L-6	General	9.80	0.50	16.60	26.90	25.00	23.10	21.20
	Fire	15.90	1.00	17.60	34.50	32.60	30.70	28.80

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

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

Mid-County Fire Protection District

Employer Contribution Rates 3 Year FAS - Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	5.50%	0.20%	8.60%	14.30%	12.40%	10.50%	8.60%
	Fire	8.70	0.60	9.10	18.40	16.50	14.60	12.70
L-3	General	6.70	0.30	10.70	17.70	15.80	13.90	12.00
	Fire	10.60	0.70	11.40	22.70	20.80	18.90	17.00
LT-4(65)	General	6.00	0.20	9.60	15.80	13.90	12.00	10.10
	Fire	10.50	0.60	11.90	23.00	21.10	19.20	17.30
LT-5(65)	General	7.00	0.30	11.50	18.80	16.90	15.00	13.10
	Fire	12.00	0.70	13.50	26.20	24.30	22.40	20.50
L-7	General	7.80	0.30	12.90	21.00	19.10	17.20	15.30
	Fire	12.60	0.80	13.60	27.00	25.10	23.20	21.30
LT-8(65)	General	8.00	0.30	13.40	21.70	19.80	17.90	16.00
	Fire	13.50	0.80	15.00	29.30	27.40	25.50	23.60
L-12	General	9.00	0.40	15.00	24.40	22.50	20.60	18.70
	Fire	14.50	0.90	15.90	31.30	29.40	27.50	25.60
LT-14(65)	General	9.10	0.40	15.30	24.80	22.90	21.00	19.10
	Fire	15.00	0.90	16.60	32.50	30.60	28.70	26.80
L-6	General	10.10	0.50	17.20	27.80	25.90	24.00	22.10
	Fire	16.40	1.00	18.20	35.60	33.70	31.80	29.90

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

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

Mid-County Fire Protection District

Employer Contribution Rates 5 Year FAS - Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	5.80%	0.20%	9.40%	15.40%	13.50%	11.60%	9.70%
	Fire	8.70	0.60	9.60	18.90	17.00	15.10	13.20
L-3	General	7.10	0.30	11.80	19.20	17.30	15.40	13.50
	Fire	10.60	0.70	12.00	23.30	21.40	19.50	17.60
LT-4(65)	General	6.90	0.20	11.90	19.00	17.10	15.20	13.30
	Fire	10.90	0.60	13.40	24.90	23.00	21.10	19.20
LT-5(65)	General	7.90	0.30	13.60	21.80	19.90	18.00	16.10
	Fire	12.30	0.70	14.90	27.90	26.00	24.10	22.20
L-7	General	8.30	0.30	14.20	22.80	20.90	19.00	17.10
	Fire	12.60	0.80	14.40	27.80	25.90	24.00	22.10
LT-8(65)	General	8.80	0.30	15.40	24.50	22.60	20.70	18.80
	Fire	13.70	0.80	16.30	30.80	28.90	27.00	25.10
L-12	General	9.60	0.40	16.50	26.50	24.60	22.70	20.80
	Fire	14.50	0.90	16.80	32.20	30.30	28.40	26.50
LT-14(65)	General	9.80	0.40	17.10	27.30	25.40	23.50	21.60
	Fire	15.10	0.90	17.70	33.70	31.80	29.90	28.00
L-6	General	10.80	0.50	18.90	30.20	28.30	26.40	24.50
	Fire	16.40	1.00	19.20	36.60	34.70	32.80	30.90

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

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

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

Mid-County Fire Protection District

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

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	6.00%	0.20%	9.80%	16.00%	14.10%	12.20%	10.30%
	Fire	9.00	0.60	9.90	19.50	17.60	15.70	13.80
L-3	General	7.30	0.30	12.20	19.80	17.90	16.00	14.10
	Fire	11.00	0.70	12.40	24.10	22.20	20.30	18.40
LT-4(65)	General	7.10	0.20	12.30	19.60	17.70	15.80	13.90
	Fire	11.20	0.60	13.90	25.70	23.80	21.90	20.00
LT-5(65)	General	8.10	0.30	14.10	22.50	20.60	18.70	16.80
	Fire	12.70	0.70	15.40	28.80	26.90	25.00	23.10
L-7	General	8.60	0.30	14.70	23.60	21.70	19.80	17.90
	Fire	13.00	0.80	14.90	28.70	26.80	24.90	23.00
LT-8(65)	General	9.10	0.30	15.90	25.30	23.40	21.50	19.60
	Fire	14.10	0.80	16.90	31.80	29.90	28.00	26.10
L-12	General	9.90	0.40	17.10	27.40	25.50	23.60	21.70
	Fire	15.00	0.90	17.40	33.30	31.40	29.50	27.60
LT-14(65)	General	10.10	0.40	17.70	28.20	26.30	24.40	22.50
	Fire	15.60	0.90	18.40	34.90	33.00	31.10	29.20
L-6	General	11.20	0.50	19.60	31.30	29.40	27.50	25.60
	Fire	17.00	1.00	19.90	37.90	36.00	34.10	32.20

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 for employees working in a covered position on the membership date and employed continuously in a covered position for one year with this employer. If the governing body wishes to elect one of the lesser percents allowed by law -- 75%, 50%, or 25% -- the prior service cost rate will be reduced. An additional actuarial valuation will need to be performed to determine the employer contribution rate.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

Mid-County Fire Protection District

Employer Contribution Dollars General

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

Regular Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 8,556	\$ 7,378	\$ 6,200	\$ 5,022
L-3	10,664	9,486	8,308	7,130
LT-4(65)	9,486	8,308	7,130	5,952
LT-5(65)	11,284	10,106	8,928	7,750
L-7	12,586	11,408	10,230	9,052
LT-8(65)	13,020	11,842	10,664	9,486
L-12	14,632	13,454	12,276	11,098
LT-14(65)	14,880	13,702	12,524	11,346
L-6	16,678	15,500	14,322	13,144

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 8,866	\$ 7,688	\$ 6,510	\$ 5,332
L-3	10,974	9,796	8,618	7,440
LT-4(65)	9,796	8,618	7,440	6,262
LT-5(65)	11,656	10,478	9,300	8,122
L-7	13,020	11,842	10,664	9,486
LT-8(65)	13,454	12,276	11,098	9,920
L-12	15,128	13,950	12,772	11,594
LT-14(65)	15,376	14,198	13,020	11,842
L-6	17,236	16,058	14,880	13,702

Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 9,548	\$ 8,370	\$ 7,192	\$ 6,014
L-3	11,904	10,726	9,548	8,370
LT-4(65)	11,780	10,602	9,424	8,246
LT-5(65)	13,516	12,338	11,160	9,982
L-7	14,136	12,958	11,780	10,602
LT-8(65)	15,190	14,012	12,834	11,656
L-12	16,430	15,252	14,074	12,896
LT-14(65)	16,926	15,748	14,570	13,392
L-6	18,724	17,546	16,368	15,190

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 9,920	\$ 8,742	\$ 7,564	\$ 6,386
L-3	12,276	11,098	9,920	8,742
LT-4(65)	12,152	10,974	9,796	8,618
LT-5(65)	13,950	12,772	11,594	10,416
L-7	14,632	13,454	12,276	11,098
LT-8(65)	15,686	14,508	13,330	12,152
L-12	16,988	15,810	14,632	13,454
LT-14(65)	17,484	16,306	15,128	13,950
L-6	19,406	18,228	17,050	15,872

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.

Mid-County Fire Protection District

Employer Contribution Dollars Fire

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

Regular Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 250,980	\$ 224,190	\$ 197,400	\$ 170,610
L-3	310,200	283,410	256,620	229,830
LT-4(65)	314,430	287,640	260,850	234,060
LT-5(65)	356,730	329,940	303,150	276,360
L-7	368,010	341,220	314,430	287,640
LT-8(65)	400,440	373,650	346,860	320,070
L-12	427,230	400,440	373,650	346,860
LT-14(65)	442,740	415,950	389,160	362,370
L-6	486,450	459,660	432,870	406,080

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 259,440	\$ 232,650	\$ 205,860	\$ 179,070
L-3	320,070	293,280	266,490	239,700
LT-4(65)	324,300	297,510	270,720	243,930
LT-5(65)	369,420	342,630	315,840	289,050
L-7	380,700	353,910	327,120	300,330
LT-8(65)	413,130	386,340	359,550	332,760
L-12	441,330	414,540	387,750	360,960
LT-14(65)	458,250	431,460	404,670	377,880
L-6	501,960	475,170	448,380	421,590

Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 266,490	\$ 239,700	\$ 212,910	\$ 186,120
L-3	328,530	301,740	274,950	248,160
LT-4(65)	351,090	324,300	297,510	270,720
LT-5(65)	393,390	366,600	339,810	313,020
L-7	391,980	365,190	338,400	311,610
LT-8(65)	434,280	407,490	380,700	353,910
L-12	454,020	427,230	400,440	373,650
LT-14(65)	475,170	448,380	421,590	394,800
L-6	516,060	489,270	462,480	435,690

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 274,950	\$ 248,160	\$ 221,370	\$ 194,580
L-3	339,810	313,020	286,230	259,440
LT-4(65)	362,370	335,580	308,790	282,000
LT-5(65)	406,080	379,290	352,500	325,710
L-7	404,670	377,880	351,090	324,300
LT-8(65)	448,380	421,590	394,800	368,010
L-12	469,530	442,740	415,950	389,160
LT-14(65)	492,090	465,300	438,510	411,720
L-6	534,390	507,600	480,810	454,020

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.

Mid-County Fire Protection District

Employees and Payroll Included in the Valuation

	General	Fire
Number of Employees	1	13
Annual Payroll	\$ 62,000	\$ 1,410,000

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

APPENDIX I

UNFUNDED ACTUARIAL ACCRUED LIABILITY

Unfunded Actuarial Accrued Liability (UAAL)

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

The policy of the LAGERS Board of Trustees provides that unfunded liabilities are to be paid for by level percent of payroll contributions over a period of 30 years. The contribution rates shown on pages 4 through 7 as the "Prior Service Cost Rate" are designed to pay for the applicable unfunded actuarial accrued liability. This procedure will allow your political subdivision to retire the unfunded actuarial accrued liability in an orderly fashion over a period of years without the need for an immediate large payment upon joining the System.

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

Mid-County Fire Protection District

Regular Retirement Eligibility

Benefit Group	Employee Group	Member Contribution Rate - 0%	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 90,588	\$ 93,699
	Fire	2,181,500	2,256,666
L-3	General	113,244	117,120
	Fire	2,726,871	2,820,789
LT-4(65)	General	101,441	104,937
	Fire	2,853,197	2,952,324
LT-5(65)	General	121,380	125,544
	Fire	3,230,622	3,342,551
L-7	General	135,879	140,550
	Fire	3,272,237	3,384,979
LT-8(65)	General	141,311	146,170
	Fire	3,608,098	3,732,819
L-12	General	158,521	163,967
	Fire	3,817,627	3,949,100
LT-14(65)	General	161,249	166,783
	Fire	3,985,607	4,123,029
L-6	General	181,177	187,401
	Fire	4,363,016	4,513,283

Mid-County Fire Protection District

Unfunded Actuarial Accrued Liability (UAAL)

Rule of 80 Retirement Eligibility

Benefit Group	Employee Group	Member Contribution Rate - 0%	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 103,191	\$ 106,811
	Fire	2,382,056	2,466,753
L-3	General	128,983	133,528
	Fire	2,977,560	3,083,346
LT-4(65)	General	129,779	134,342
	Fire	3,338,291	3,457,791
LT-5(65)	General	148,924	154,176
	Fire	3,694,723	3,826,669
L-7	General	154,780	160,235
	Fire	3,573,084	3,700,077
LT-8(65)	General	168,074	174,001
	Fire	4,051,205	4,195,613
L-12	General	180,582	186,939
	Fire	4,168,581	4,316,713
LT-14(65)	General	187,220	193,822
	Fire	4,407,694	4,564,471
L-6	General	206,382	213,638
	Fire	4,764,120	4,933,437

APPENDIX II

SUMMARY OF FINANCIAL ASSUMPTIONS

Summary of Assumptions Used in Actuarial Valuations

Assumptions Adopted by Board of Trustees After Consulting With Actuary

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

Schedule 1.

Separations From Active Employment (Not Including Death-in-Service) Before Age & Service Retirement and Individual Pay Increase Assumptions

		Percent of Active Members Separating Within Next Year							
Sample Ages	Years of Service	General Members				Police/Public Safety		Fire	
		Men		Women		Disability	Withdrawal	Disability	Withdrawal
		Disability	Withdrawal	Disability	Withdrawal				
All	0		19.00%		22.00%		18.00%		10.00%
	1		17.00		20.00		17.00		8.00
	2		15.00		17.00		16.00		7.00
	3		13.00		14.00		13.00		6.00
	4		11.00		13.00		12.00		6.00
25	5 & Over	0.09%	7.30	0.02%	10.80	0.10%	9.80	0.06%	5.00
30		0.12	6.50	0.03	8.90	0.11	7.80	0.10	4.00
35		0.15	5.00	0.06	7.40	0.16	6.10	0.23	2.80
40		0.21	3.70	0.10	5.70	0.22	4.40	0.35	2.20
45		0.30	3.00	0.16	4.20	0.34	3.20	0.56	1.80
50		0.44	2.40	0.24	3.30	0.53	1.80	0.85	1.00
55		0.68	1.80	0.34	2.50	0.88	1.00	1.31	0.50
60		1.02	1.00	0.48	1.20		0.00		0.00
65			0.00		0.00		0.00		0.00

Sample Ages	Percent Increase in Individual's Pay During Next Year		
	General	Police/Public Safety	Fire
	25	6.55%	6.55%
30	5.75	5.75	6.05
35	5.25	5.25	5.15
40	4.75	4.75	4.45
45	4.25	4.25	4.15
50	3.85	3.85	3.85
55	3.65	3.65	3.65
60	3.55	3.55	3.25
65	3.25	3.25	3.25

Schedule 2.

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

Early Retirement

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

Normal Retirement

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

Schedule 2. (Concluded)

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

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

APPENDIX III

SUMMARY OF LAGERS PROVISIONS

Missouri Local Government Employees Retirement System

Brief Summary of LAGERS

Benefits and Conditions Evaluated and/or Considered as of February 29, 2020

(Section references are to RSMo)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX IV

BENEFIT ILLUSTRATIONS

Missouri LAGERS

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 525	\$ 948	\$1,473	98%
2,000	700	1,095	1,795	90%
2,500	875	1,242	2,117	85%
3,000	1,050	1,388	2,438	81%
3,500	1,225	1,535	2,760	79%
4,000	1,400	1,682	3,082	77%
25 Years of Service:				
\$1,500	\$ 375	\$ 948	\$1,323	88%
2,000	500	1,095	1,595	80%
2,500	625	1,242	1,867	75%
3,000	750	1,388	2,138	71%
3,500	875	1,535	2,410	69%
4,000	1,000	1,682	2,682	67%
15 Years of Service:				
\$1,500	\$225	\$ 948	\$1,173	78%
2,000	300	1,095	1,395	70%
2,500	375	1,242	1,617	65%
3,000	450	1,388	1,838	61%
3,500	525	1,535	2,060	59%
4,000	600	1,682	2,282	57%

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 2020 - 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	\$ 948	\$1,604	107%
2,000	875	1,095	1,970	99%
2,500	1,094	1,242	2,336	93%
3,000	1,313	1,388	2,701	90%
3,500	1,531	1,535	3,066	88%
4,000	1,750	1,682	3,432	86%
25 Years of Service:				
\$1,500	\$ 469	\$ 948	\$1,417	94%
2,000	625	1,095	1,720	86%
2,500	781	1,242	2,023	81%
3,000	938	1,388	2,326	78%
3,500	1,094	1,535	2,629	75%
4,000	1,250	1,682	2,932	73%
15 Years of Service:				
\$1,500	\$281	\$ 948	\$1,229	82%
2,000	375	1,095	1,470	74%
2,500	469	1,242	1,711	68%
3,000	563	1,388	1,951	65%
3,500	656	1,535	2,191	63%
4,000	750	1,682	2,432	61%

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2020 - 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	\$ 948	\$1,736	116%
2,000	1,050	1,095	2,145	107%
2,500	1,313	1,242	2,555	102%
3,000	1,575	1,388	2,963	99%
3,500	1,838	1,535	3,373	96%
4,000	2,100	1,682	3,782	95%
25 Years of Service:				
\$1,500	\$ 563	\$ 948	\$1,511	101%
2,000	750	1,095	1,845	92%
2,500	938	1,242	2,180	87%
3,000	1,125	1,388	2,513	84%
3,500	1,313	1,535	2,848	81%
4,000	1,500	1,682	3,182	80%
15 Years of Service:				
\$1,500	\$338	\$ 948	\$1,286	86%
2,000	450	1,095	1,545	77%
2,500	563	1,242	1,805	72%
3,000	675	1,388	2,063	69%
3,500	788	1,535	2,323	66%
4,000	900	1,682	2,582	65%

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2020 - 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	\$ 948	\$1,867	124%
2,000	1,225	1,095	2,320	116%
2,500	1,531	1,242	2,773	111%
3,000	1,838	1,388	3,226	108%
3,500	2,144	1,535	3,679	105%
4,000	2,450	1,682	4,132	103%
25 Years of Service:				
\$1,500	\$ 656	\$ 948	\$1,604	107%
2,000	875	1,095	1,970	99%
2,500	1,094	1,242	2,336	93%
3,000	1,313	1,388	2,701	90%
3,500	1,531	1,535	3,066	88%
4,000	1,750	1,682	3,432	86%
15 Years of Service:				
\$1,500	\$ 394	\$ 948	\$1,342	89%
2,000	525	1,095	1,620	81%
2,500	656	1,242	1,898	76%
3,000	788	1,388	2,176	73%
3,500	919	1,535	2,454	70%
4,000	1,050	1,682	2,732	68%

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 2020 - 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	\$ 948	\$1,998	133%
2,000	1,400	1,095	2,495	125%
2,500	1,750	1,242	2,992	120%
3,000	2,100	1,388	3,488	116%
3,500	2,450	1,535	3,985	114%
4,000	2,800	1,682	4,482	112%
25 Years of Service:				
\$1,500	\$ 750	\$ 948	\$1,698	113%
2,000	1,000	1,095	2,095	105%
2,500	1,250	1,242	2,492	100%
3,000	1,500	1,388	2,888	96%
3,500	1,750	1,535	3,285	94%
4,000	2,000	1,682	3,682	92%
15 Years of Service:				
\$1,500	\$ 450	\$ 948	\$1,398	93%
2,000	600	1,095	1,695	85%
2,500	750	1,242	1,992	80%
3,000	900	1,388	2,288	76%
3,500	1,050	1,535	2,585	74%
4,000	1,200	1,682	2,882	72%

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 2020 - it does not include any amounts which might be payable to an eligible spouse or children.

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

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 525	\$ 948	\$1,050	\$1,473	70%	98%
2,000	1,400	700	1,095	1,400	1,795	70%	90%
2,500	1,750	875	1,242	1,750	2,117	70%	85%
3,000	2,100	1,050	1,388	2,100	2,438	70%	81%
3,500	2,450	1,225	1,535	2,450	2,760	70%	79%
4,000	2,800	1,400	1,682	2,800	3,082	70%	77%
25 Years of Service:							
\$1,500	\$ 750	\$ 375	\$ 948	\$ 750	\$1,323	50%	88%
2,000	1,000	500	1,095	1,000	1,595	50%	80%
2,500	1,250	625	1,242	1,250	1,867	50%	75%
3,000	1,500	750	1,388	1,500	2,138	50%	71%
3,500	1,750	875	1,535	1,750	2,410	50%	69%
4,000	2,000	1,000	1,682	2,000	2,682	50%	67%
15 Years of Service:							
\$1,500	\$ 450	\$225	\$ 948	\$ 450	\$1,173	30%	78%
2,000	600	300	1,095	600	1,395	30%	70%
2,500	750	375	1,242	750	1,617	30%	65%
3,000	900	450	1,388	900	1,838	30%	61%
3,500	1,050	525	1,535	1,050	2,060	30%	59%
4,000	1,200	600	1,682	1,200	2,282	30%	57%

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 2020 - it does not include any amounts which might be payable to an eligible spouse or children.

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

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 656	\$ 948	\$1,050	\$1,604	70%	107%
2,000	1,400	875	1,095	1,400	1,970	70%	99%
2,500	1,750	1,094	1,242	1,750	2,336	70%	93%
3,000	2,100	1,313	1,388	2,100	2,701	70%	90%
3,500	2,450	1,531	1,535	2,450	3,066	70%	88%
4,000	2,800	1,750	1,682	2,800	3,432	70%	86%
25 Years of Service:							
\$1,500	\$ 750	\$ 469	\$ 948	\$ 750	\$1,417	50%	94%
2,000	1,000	625	1,095	1,000	1,720	50%	86%
2,500	1,250	781	1,242	1,250	2,023	50%	81%
3,000	1,500	938	1,388	1,500	2,326	50%	78%
3,500	1,750	1,094	1,535	1,750	2,629	50%	75%
4,000	2,000	1,250	1,682	2,000	2,932	50%	73%
15 Years of Service:							
\$1,500	\$ 450	\$281	\$ 948	\$ 450	\$1,229	30%	82%
2,000	600	375	1,095	600	1,470	30%	74%
2,500	750	469	1,242	750	1,711	30%	68%
3,000	900	563	1,388	900	1,951	30%	65%
3,500	1,050	656	1,535	1,050	2,191	30%	63%
4,000	1,200	750	1,682	1,200	2,432	30%	61%

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2020 - it does not include any amounts which might be payable to an eligible spouse or children.

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

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 788	\$ 948	\$1,050	\$1,736	70%	116%
2,000	1,400	1,050	1,095	1,400	2,145	70%	107%
2,500	1,750	1,313	1,242	1,750	2,555	70%	102%
3,000	2,100	1,575	1,388	2,100	2,963	70%	99%
3,500	2,450	1,838	1,535	2,450	3,373	70%	96%
4,000	2,800	2,100	1,682	2,800	3,782	70%	95%
25 Years of Service:							
\$1,500	\$ 750	\$ 563	\$ 948	\$ 750	\$1,511	50%	101%
2,000	1,000	750	1,095	1,000	1,845	50%	92%
2,500	1,250	938	1,242	1,250	2,180	50%	87%
3,000	1,500	1,125	1,388	1,500	2,513	50%	84%
3,500	1,750	1,313	1,535	1,750	2,848	50%	81%
4,000	2,000	1,500	1,682	2,000	3,182	50%	80%
15 Years of Service:							
\$1,500	\$ 450	\$338	\$ 948	\$ 450	\$1,286	30%	86%
2,000	600	450	1,095	600	1,545	30%	77%
2,500	750	563	1,242	750	1,805	30%	72%
3,000	900	675	1,388	900	2,063	30%	69%
3,500	1,050	788	1,535	1,050	2,323	30%	66%
4,000	1,200	900	1,682	1,200	2,582	30%	65%

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

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2020 - it does not include any amounts which might be payable to an eligible spouse or children.

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

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

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 919	\$ 948	\$1,050	\$1,867	70%	124%
2,000	1,400	1,225	1,095	1,400	2,320	70%	116%
2,500	1,750	1,531	1,242	1,750	2,773	70%	111%
3,000	2,100	1,838	1,388	2,100	3,226	70%	108%
3,500	2,450	2,144	1,535	2,450	3,679	70%	105%
4,000	2,800	2,450	1,682	2,800	4,132	70%	103%
25 Years of Service:							
\$1,500	\$ 750	\$ 656	\$ 948	\$ 750	\$1,604	50%	107%
2,000	1,000	875	1,095	1,000	1,970	50%	99%
2,500	1,250	1,094	1,242	1,250	2,336	50%	93%
3,000	1,500	1,313	1,388	1,500	2,701	50%	90%
3,500	1,750	1,531	1,535	1,750	3,066	50%	88%
4,000	2,000	1,750	1,682	2,000	3,432	50%	86%
15 Years of Service:							
\$1,500	\$ 450	\$ 394	\$ 948	\$ 450	\$1,342	30%	89%
2,000	600	525	1,095	600	1,620	30%	81%
2,500	750	656	1,242	750	1,898	30%	76%
3,000	900	788	1,388	900	2,176	30%	73%
3,500	1,050	919	1,535	1,050	2,454	30%	70%
4,000	1,200	1,050	1,682	1,200	2,732	30%	68%

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 2020 - 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

Mid-County Fire Protection District - General

February 28, 2021

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				1				1	\$ 62,000
50-54									
55-59									
60-64									
65-69									
70 & Over									
Totals				1				1	\$ 62,000

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

Age: 45.0 years.

Benefit Service: 15.5 years.

Annual Pay: \$62,000.

Mid-County Fire Protection District - Fire

February 28, 2021

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		2						2	\$ 210,000
40-44	1				1			2	\$ 210,000
45-49		1	1		1			3	\$ 320,000
50-54						4		4	\$ 425,000
55-59	1		1					2	\$ 245,000
60-64									
65-69									
70 & Over									
Totals	2	3	2		2	4		13	\$ 1,410,000

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

Age: 47.8 years.

Benefit Service: 15.1 years.

Annual Pay: \$108,462.

APPENDIX VI

RISK COMMENTARY

Risk Commentary

The determination of the accrued liability and the actuarially determined contribution (i.e., total employer contribution rate) requires the use of assumptions regarding future economic and demographic experience. Risk measures, as illustrated in this report, are intended to aid in the understanding of the effects of future experience differing from the assumptions used in the course of the actuarial valuation. Risk measures may also help with illustrating the potential volatility in the accrued liability and the actuarially determined contribution that result from the differences between actual experience and the actuarial assumptions.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions due to changing conditions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period, or additional cost or contribution requirements based on the Plan's funded status); and changes in plan provisions or applicable law. The scope of an actuarial valuation does not include an analysis of the potential range of such future measurements.

Examples of risk that may reasonably be anticipated to significantly affect the plan's future financial condition include:

1. **Investment Risk** – actual investment returns may differ from the expected returns;
2. **Asset/Liability Mismatch Risk** – changes in asset values may not match changes in liabilities, thereby altering the gap between the accrued liability and assets and consequently altering the funded status and contribution requirements;
3. **Contribution Risk** – actual contributions may differ from expected future contributions. For example, actual contributions may not be made in accordance with the plan's funding policy or material changes may occur in the anticipated number of covered employees, covered payroll, or other relevant contribution base;
4. **Salary and Payroll Risk** – actual salaries and total payroll may differ from expected, resulting in actual future accrued liability, contributions and contribution rates differing from expected;
5. **Longevity Risk** – members may live longer or shorter than expected and receive pensions for a period of time other than assumed; and
6. **Other Demographic Risks** – members may terminate, retire or become disabled at times or with benefits other than assumed resulting in actual future accrued liability and contributions differing from expected.

The effects of certain trends in experience can generally be anticipated. For example if the investment return since the most recent actuarial valuation is less (or more) than the assumed rate, the cost of the plan can be expected to increase (or decrease). Likewise if longevity is improving (or worsening), increases (or decreases) in cost can be anticipated.

The computed contribution rates shown on pages 4 thru 7 may be considered as a minimum contribution rate for the selected benefit provisions that complies with the Board's funding policy. The timely receipt of the actuarially determined contributions is critical to support the financial health of the plan. Users of this report should be aware that contributions made at the actuarially determined rate do not necessarily guarantee benefit security.

Risk Commentary (Concluded)

PLAN MATURITY MEASURES

Risks facing a pension plan evolve over time. A young plan with virtually no investments and paying few benefits may experience little investment risk. An older plan with a large number of members in pay status and a significant trust may be much more exposed to investment risk. Generally accepted plan maturity measures are described below.

RATIO OF MARKET VALUE OF ASSETS TO PAYROLL

The relationship between assets and payroll is a useful indicator of the potential volatility of contributions. For example, if the market value of assets is 2.0 times the payroll, a return on assets 5% different than assumed would equal 10% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in plan sponsor contributions as a percentage of payroll.

RATIO OF ACTUARIAL ACCRUED LIABILITY TO PAYROLL

The relationship between actuarial accrued liability and payroll is a useful indicator of the potential volatility of contributions for a fully funded plan. A funding policy that targets a funded ratio of 100% is expected to result in the ratio of assets to payroll and the ratio of liability to payroll converging over time.

The ratio of liability to payroll may also be used as a measure of sensitivity of the liability itself. For example, if the actuarial accrued liability is 2.5 times the payroll, a change in liability 2% other than assumed would equal 5% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in liability (and also plan sponsor contributions) as a percentage of payroll.

RATIO OF NET CASH FLOW TO MARKET VALUE OF ASSETS

A positive net cash flow means contributions exceed benefits and expenses. A negative cash flow means existing funds are being used to make payments. A certain amount of negative net cash flow is generally expected to occur when benefits are prefunded through a qualified trust. Large negative net cash flows as a percent of assets may indicate a super-mature plan or a need for additional contributions.

DURATION OF ACTUARIAL ACCRUED LIABILITY

The duration of the actuarial accrued liability may be used to approximate the sensitivity to a 1% change in the assumed rate of return. For example, duration of 10 indicates that the liability would increase approximately 10% if the assumed rate of return were lowered 1%.

ADDITIONAL RISK ASSESSMENT

Additional risk assessment is outside the scope of the annual actuarial valuation. Additional assessment may include scenario tests, sensitivity tests, stochastic modeling, stress tests, and a comparison of the present value of accrued benefits at low-risk discount rates with the actuarial accrued liability.



March 15, 2021 E-mail

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

Dear Bob:

Enclosed is the report of the February 28, 2021 Initial Actuarial Valuation of LAGERS benefits for the employees of

Mid-County Fire Protection District

Sincerely,

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

Mita D. Drazilov, ASA, FCA, MAAA

MDD:wp



March 15, 2021

Mid-County Fire Protection District
St. Louis, 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 February 28, 2021 Initial Valuation for the Mid-County Fire Protection District dated March 15, 2021.

The actuarial assumptions and methods used to determine the stated costs are described in Appendix II of the Initial Valuation Report. In our opinion, they do produce results which, in the aggregate, are reasonable. Additional miscellaneous and technical assumptions as well as disclosures required by the actuarial standards of practice may be found in the LAGERS Compiled Annual Actuarial Valuation report as of February 29, 2020. The unfunded actuarial accrued liability shown for each member contribution rate option is based on the 0% member contribution rate plan.

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

Respectfully submitted,

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

Mita D. Drazilov, ASA, FCA, MAAA

Mid-County Fire Protection District - General

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2021	\$ 62,000	13.8%	\$8,556	\$ 90,588	17.2%	\$10,664	\$ 113,244	15.3%	\$9,486	\$ 101,441
2022	64,015	13.8	8,834	91,829	17.2	11,011	114,795	15.3	9,794	102,831
2023	66,095	13.8	9,121	92,987	17.2	11,368	116,242	15.3	10,113	104,128
2024	68,243	13.8	9,418	94,050	17.2	11,738	117,571	15.3	10,441	105,318
2025	70,461	13.8	9,724	95,006	17.2	12,119	118,766	15.3	10,781	106,388
2026	72,751	13.8	10,040	95,840	17.2	12,513	119,809	15.3	11,131	107,322
2027	75,115	13.8	10,366	96,538	17.2	12,920	120,682	15.3	11,493	108,104
2028	77,556	13.8	10,703	97,084	17.2	13,340	121,364	15.3	11,866	108,715
2029	80,077	13.8	11,051	97,459	17.2	13,773	121,833	15.3	12,252	109,135
2030	82,680	13.8	11,410	97,645	17.2	14,221	122,066	15.3	12,650	109,343

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
2021	\$ 62,000	18.2%	\$11,284	\$ 121,380	20.3%	\$12,586	\$ 135,879	21.0%	\$13,020	\$ 141,311
2022	64,015	18.2	11,651	123,043	20.3	12,995	137,741	21.0	13,443	143,247
2023	66,095	18.2	12,029	124,594	20.3	13,417	139,478	21.0	13,880	145,053
2024	68,243	18.2	12,420	126,018	20.3	13,853	141,073	21.0	14,331	146,711
2025	70,461	18.2	12,824	127,298	20.3	14,304	142,506	21.0	14,797	148,202
2026	72,751	18.2	13,241	128,416	20.3	14,768	143,758	21.0	15,278	149,504
2027	75,115	18.2	13,671	129,351	20.3	15,248	144,805	21.0	15,774	150,593
2028	77,556	18.2	14,115	130,082	20.3	15,744	145,623	21.0	16,287	151,444
2029	80,077	18.2	14,574	130,585	20.3	16,256	146,186	21.0	16,816	152,030
2030	82,680	18.2	15,048	130,834	20.3	16,784	146,465	21.0	17,363	152,320

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
2021	\$ 62,000	23.6%	\$14,632	\$ 158,521	24.0%	\$14,880	\$ 161,249	26.9%	\$16,678	\$ 181,177
2022	64,015	23.6	15,108	160,693	24.0	15,364	163,458	26.9	17,220	183,659
2023	66,095	23.6	15,598	162,719	24.0	15,863	165,519	26.9	17,780	185,975
2024	68,243	23.6	16,105	164,579	24.0	16,378	167,411	26.9	18,357	188,101
2025	70,461	23.6	16,629	166,251	24.0	16,911	169,112	26.9	18,954	190,012
2026	72,751	23.6	17,169	167,711	24.0	17,460	170,597	26.9	19,570	191,681
2027	75,115	23.6	17,727	168,933	24.0	18,028	171,840	26.9	20,206	193,077
2028	77,556	23.6	18,303	169,888	24.0	18,613	172,811	26.9	20,863	194,168
2029	80,077	23.6	18,898	170,545	24.0	19,218	173,479	26.9	21,541	194,919
2030	82,680	23.6	19,512	170,871	24.0	19,843	173,810	26.9	22,241	195,291

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2021	\$ 62,000	11.9%	\$7,378	\$ 90,588	15.3%	\$9,486	\$ 113,244	13.4%	\$8,308	\$ 101,441
2022	64,015	11.9	7,618	91,829	15.3	9,794	114,795	13.4	8,578	102,831
2023	66,095	11.9	7,865	92,987	15.3	10,113	116,242	13.4	8,857	104,128
2024	68,243	11.9	8,121	94,050	15.3	10,441	117,571	13.4	9,145	105,318
2025	70,461	11.9	8,385	95,006	15.3	10,781	118,766	13.4	9,442	106,388
2026	72,751	11.9	8,657	95,840	15.3	11,131	119,809	13.4	9,749	107,322
2027	75,115	11.9	8,939	96,538	15.3	11,493	120,682	13.4	10,065	108,104
2028	77,556	11.9	9,229	97,084	15.3	11,866	121,364	13.4	10,393	108,715
2029	80,077	11.9	9,529	97,459	15.3	12,252	121,833	13.4	10,730	109,135
2030	82,680	11.9	9,839	97,645	15.3	12,650	122,066	13.4	11,079	109,343

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
2021	\$ 62,000	16.3%	\$10,106	\$ 121,380	18.4%	\$11,408	\$ 135,879	19.1%	\$11,842	\$ 141,311
2022	64,015	16.3	10,434	123,043	18.4	11,779	137,741	19.1	12,227	143,247
2023	66,095	16.3	10,773	124,594	18.4	12,161	139,478	19.1	12,624	145,053
2024	68,243	16.3	11,124	126,018	18.4	12,557	141,073	19.1	13,034	146,711
2025	70,461	16.3	11,485	127,298	18.4	12,965	142,506	19.1	13,458	148,202
2026	72,751	16.3	11,858	128,416	18.4	13,386	143,758	19.1	13,895	149,504
2027	75,115	16.3	12,244	129,351	18.4	13,821	144,805	19.1	14,347	150,593
2028	77,556	16.3	12,642	130,082	18.4	14,270	145,623	19.1	14,813	151,444
2029	80,077	16.3	13,053	130,585	18.4	14,734	146,186	19.1	15,295	152,030
2030	82,680	16.3	13,477	130,834	18.4	15,213	146,465	19.1	15,792	152,320

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
2021	\$ 62,000	21.7%	\$13,454	\$ 158,521	22.1%	\$13,702	\$ 161,249	25.0%	\$15,500	\$ 181,177
2022	64,015	21.7	13,891	160,693	22.1	14,147	163,458	25.0	16,004	183,659
2023	66,095	21.7	14,343	162,719	22.1	14,607	165,519	25.0	16,524	185,975
2024	68,243	21.7	14,809	164,579	22.1	15,082	167,411	25.0	17,061	188,101
2025	70,461	21.7	15,290	166,251	22.1	15,572	169,112	25.0	17,615	190,012
2026	72,751	21.7	15,787	167,711	22.1	16,078	170,597	25.0	18,188	191,681
2027	75,115	21.7	16,300	168,933	22.1	16,600	171,840	25.0	18,779	193,077
2028	77,556	21.7	16,830	169,888	22.1	17,140	172,811	25.0	19,389	194,168
2029	80,077	21.7	17,377	170,545	22.1	17,697	173,479	25.0	20,019	194,919
2030	82,680	21.7	17,942	170,871	22.1	18,272	173,810	25.0	20,670	195,291

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2021	\$ 62,000	10.0%	\$6,200	\$ 90,588	13.4%	\$8,308	\$ 113,244	11.5%	\$7,130	\$ 101,441
2022	64,015	10.0	6,402	91,829	13.4	8,578	114,795	11.5	7,362	102,831
2023	66,095	10.0	6,610	92,987	13.4	8,857	116,242	11.5	7,601	104,128
2024	68,243	10.0	6,824	94,050	13.4	9,145	117,571	11.5	7,848	105,318
2025	70,461	10.0	7,046	95,006	13.4	9,442	118,766	11.5	8,103	106,388
2026	72,751	10.0	7,275	95,840	13.4	9,749	119,809	11.5	8,366	107,322
2027	75,115	10.0	7,512	96,538	13.4	10,065	120,682	11.5	8,638	108,104
2028	77,556	10.0	7,756	97,084	13.4	10,393	121,364	11.5	8,919	108,715
2029	80,077	10.0	8,008	97,459	13.4	10,730	121,833	11.5	9,209	109,135
2030	82,680	10.0	8,268	97,645	13.4	11,079	122,066	11.5	9,508	109,343

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
2021	\$ 62,000	14.4%	\$8,928	\$ 121,380	16.5%	\$10,230	\$ 135,879	17.2%	\$10,664	\$ 141,311
2022	64,015	14.4	9,218	123,043	16.5	10,562	137,741	17.2	11,011	143,247
2023	66,095	14.4	9,518	124,594	16.5	10,906	139,478	17.2	11,368	145,053
2024	68,243	14.4	9,827	126,018	16.5	11,260	141,073	17.2	11,738	146,711
2025	70,461	14.4	10,146	127,298	16.5	11,626	142,506	17.2	12,119	148,202
2026	72,751	14.4	10,476	128,416	16.5	12,004	143,758	17.2	12,513	149,504
2027	75,115	14.4	10,817	129,351	16.5	12,394	144,805	17.2	12,920	150,593
2028	77,556	14.4	11,168	130,082	16.5	12,797	145,623	17.2	13,340	151,444
2029	80,077	14.4	11,531	130,585	16.5	13,213	146,186	17.2	13,773	152,030
2030	82,680	14.4	11,906	130,834	16.5	13,642	146,465	17.2	14,221	152,320

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
2021	\$ 62,000	19.8%	\$12,276	\$ 158,521	20.2%	\$12,524	\$ 161,249	23.1%	\$14,322	\$ 181,177
2022	64,015	19.8	12,675	160,693	20.2	12,931	163,458	23.1	14,787	183,659
2023	66,095	19.8	13,087	162,719	20.2	13,351	165,519	23.1	15,268	185,975
2024	68,243	19.8	13,512	164,579	20.2	13,785	167,411	23.1	15,764	188,101
2025	70,461	19.8	13,951	166,251	20.2	14,233	169,112	23.1	16,276	190,012
2026	72,751	19.8	14,405	167,711	20.2	14,696	170,597	23.1	16,805	191,681
2027	75,115	19.8	14,873	168,933	20.2	15,173	171,840	23.1	17,352	193,077
2028	77,556	19.8	15,356	169,888	20.2	15,666	172,811	23.1	17,915	194,168
2029	80,077	19.8	15,855	170,545	20.2	16,176	173,479	23.1	18,498	194,919
2030	82,680	19.8	16,371	170,871	20.2	16,701	173,810	23.1	19,099	195,291

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2021	\$ 62,000	8.1%	\$5,022	\$ 90,588	11.5%	\$7,130	\$ 113,244	9.6%	\$5,952	\$ 101,441
2022	64,015	8.1	5,185	91,829	11.5	7,362	114,795	9.6	6,145	102,831
2023	66,095	8.1	5,354	92,987	11.5	7,601	116,242	9.6	6,345	104,128
2024	68,243	8.1	5,528	94,050	11.5	7,848	117,571	9.6	6,551	105,318
2025	70,461	8.1	5,707	95,006	11.5	8,103	118,766	9.6	6,764	106,388
2026	72,751	8.1	5,893	95,840	11.5	8,366	119,809	9.6	6,984	107,322
2027	75,115	8.1	6,084	96,538	11.5	8,638	120,682	9.6	7,211	108,104
2028	77,556	8.1	6,282	97,084	11.5	8,919	121,364	9.6	7,445	108,715
2029	80,077	8.1	6,486	97,459	11.5	9,209	121,833	9.6	7,687	109,135
2030	82,680	8.1	6,697	97,645	11.5	9,508	122,066	9.6	7,937	109,343

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
2021	\$ 62,000	12.5%	\$7,750	\$ 121,380	14.6%	\$9,052	\$ 135,879	15.3%	\$9,486	\$ 141,311
2022	64,015	12.5	8,002	123,043	14.6	9,346	137,741	15.3	9,794	143,247
2023	66,095	12.5	8,262	124,594	14.6	9,650	139,478	15.3	10,113	145,053
2024	68,243	12.5	8,530	126,018	14.6	9,963	141,073	15.3	10,441	146,711
2025	70,461	12.5	8,808	127,298	14.6	10,287	142,506	15.3	10,781	148,202
2026	72,751	12.5	9,094	128,416	14.6	10,622	143,758	15.3	11,131	149,504
2027	75,115	12.5	9,389	129,351	14.6	10,967	144,805	15.3	11,493	150,593
2028	77,556	12.5	9,695	130,082	14.6	11,323	145,623	15.3	11,866	151,444
2029	80,077	12.5	10,010	130,585	14.6	11,691	146,186	15.3	12,252	152,030
2030	82,680	12.5	10,335	130,834	14.6	12,071	146,465	15.3	12,650	152,320

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
2021	\$ 62,000	17.9%	\$11,098	\$ 158,521	18.3%	\$11,346	\$ 161,249	21.2%	\$13,144	\$ 181,177
2022	64,015	17.9	11,459	160,693	18.3	11,715	163,458	21.2	13,571	183,659
2023	66,095	17.9	11,831	162,719	18.3	12,095	165,519	21.2	14,012	185,975
2024	68,243	17.9	12,215	164,579	18.3	12,488	167,411	21.2	14,468	188,101
2025	70,461	17.9	12,613	166,251	18.3	12,894	169,112	21.2	14,938	190,012
2026	72,751	17.9	13,022	167,711	18.3	13,313	170,597	21.2	15,423	191,681
2027	75,115	17.9	13,446	168,933	18.3	13,746	171,840	21.2	15,924	193,077
2028	77,556	17.9	13,883	169,888	18.3	14,193	172,811	21.2	16,442	194,168
2029	80,077	17.9	14,334	170,545	18.3	14,654	173,479	21.2	16,976	194,919
2030	82,680	17.9	14,800	170,871	18.3	15,130	173,810	21.2	17,528	195,291

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	14.3%	\$8,866	\$ 93,699	17.7%	\$10,974	\$ 117,120	15.8%	\$9,796	\$ 104,937
2022	64,015	14.3	9,154	94,983	17.7	11,331	118,725	15.8	10,114	106,375
2023	66,095	14.3	9,452	96,181	17.7	11,699	120,222	15.8	10,443	107,716
2024	68,243	14.3	9,759	97,281	17.7	12,079	121,596	15.8	10,782	108,948
2025	70,461	14.3	10,076	98,269	17.7	12,472	122,832	15.8	11,133	110,055
2026	72,751	14.3	10,403	99,132	17.7	12,877	123,911	15.8	11,495	111,022
2027	75,115	14.3	10,741	99,854	17.7	13,295	124,814	15.8	11,868	111,831
2028	77,556	14.3	11,091	100,418	17.7	13,727	125,519	15.8	12,254	112,463
2029	80,077	14.3	11,451	100,806	17.7	14,174	126,004	15.8	12,652	112,898
2030	82,680	14.3	11,823	100,998	17.7	14,634	126,245	15.8	13,063	113,114

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	18.8%	\$11,656	\$ 125,544	21.0%	\$13,020	\$ 140,550	21.7%	\$13,454	\$ 146,170
2022	64,015	18.8	12,035	127,264	21.0	13,443	142,476	21.7	13,891	148,173
2023	66,095	18.8	12,426	128,869	21.0	13,880	144,273	21.7	14,343	150,041
2024	68,243	18.8	12,830	130,342	21.0	14,331	145,922	21.7	14,809	151,756
2025	70,461	18.8	13,247	131,666	21.0	14,797	147,405	21.7	15,290	153,298
2026	72,751	18.8	13,677	132,822	21.0	15,278	148,700	21.7	15,787	154,644
2027	75,115	18.8	14,122	133,790	21.0	15,774	149,783	21.7	16,300	155,770
2028	77,556	18.8	14,581	134,546	21.0	16,287	150,630	21.7	16,830	156,650
2029	80,077	18.8	15,054	135,066	21.0	16,816	151,212	21.7	17,377	157,256
2030	82,680	18.8	15,544	135,324	21.0	17,363	151,501	21.7	17,942	157,556

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	24.4%	\$15,128	\$ 163,967	24.8%	\$15,376	\$ 166,783	27.8%	\$17,236	\$ 187,401
2022	64,015	24.4	15,620	166,213	24.8	15,876	169,068	27.8	17,796	189,968
2023	66,095	24.4	16,127	168,309	24.8	16,392	171,200	27.8	18,374	192,363
2024	68,243	24.4	16,651	170,233	24.8	16,924	173,157	27.8	18,972	194,562
2025	70,461	24.4	17,192	171,963	24.8	17,474	174,916	27.8	19,588	196,539
2026	72,751	24.4	17,751	173,473	24.8	18,042	176,452	27.8	20,225	198,265
2027	75,115	24.4	18,328	174,737	24.8	18,629	177,737	27.8	20,882	199,709
2028	77,556	24.4	18,924	175,725	24.8	19,234	178,742	27.8	21,561	200,838
2029	80,077	24.4	19,539	176,405	24.8	19,859	179,433	27.8	22,261	201,615
2030	82,680	24.4	20,174	176,742	24.8	20,505	179,776	27.8	22,985	202,000

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	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
2021	\$ 62,000	12.4%	\$7,688	\$ 93,699	15.8%	\$9,796	\$ 117,120	13.9%	\$8,618	\$ 104,937
2022	64,015	12.4	7,938	94,983	15.8	10,114	118,725	13.9	8,898	106,375
2023	66,095	12.4	8,196	96,181	15.8	10,443	120,222	13.9	9,187	107,716
2024	68,243	12.4	8,462	97,281	15.8	10,782	121,596	13.9	9,486	108,948
2025	70,461	12.4	8,737	98,269	15.8	11,133	122,832	13.9	9,794	110,055
2026	72,751	12.4	9,021	99,132	15.8	11,495	123,911	13.9	10,112	111,022
2027	75,115	12.4	9,314	99,854	15.8	11,868	124,814	13.9	10,441	111,831
2028	77,556	12.4	9,617	100,418	15.8	12,254	125,519	13.9	10,780	112,463
2029	80,077	12.4	9,930	100,806	15.8	12,652	126,004	13.9	11,131	112,898
2030	82,680	12.4	10,252	100,998	15.8	13,063	126,245	13.9	11,493	113,114

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
2021	\$ 62,000	16.9%	\$10,478	\$ 125,544	19.1%	\$11,842	\$ 140,550	19.8%	\$12,276	\$ 146,170
2022	64,015	16.9	10,819	127,264	19.1	12,227	142,476	19.8	12,675	148,173
2023	66,095	16.9	11,170	128,869	19.1	12,624	144,273	19.8	13,087	150,041
2024	68,243	16.9	11,533	130,342	19.1	13,034	145,922	19.8	13,512	151,756
2025	70,461	16.9	11,908	131,666	19.1	13,458	147,405	19.8	13,951	153,298
2026	72,751	16.9	12,295	132,822	19.1	13,895	148,700	19.8	14,405	154,644
2027	75,115	16.9	12,694	133,790	19.1	14,347	149,783	19.8	14,873	155,770
2028	77,556	16.9	13,107	134,546	19.1	14,813	150,630	19.8	15,356	156,650
2029	80,077	16.9	13,533	135,066	19.1	15,295	151,212	19.8	15,855	157,256
2030	82,680	16.9	13,973	135,324	19.1	15,792	151,501	19.8	16,371	157,556

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
2021	\$ 62,000	22.5%	\$13,950	\$ 163,967	22.9%	\$14,198	\$ 166,783	25.9%	\$16,058	\$ 187,401
2022	64,015	22.5	14,403	166,213	22.9	14,659	169,068	25.9	16,580	189,968
2023	66,095	22.5	14,871	168,309	22.9	15,136	171,200	25.9	17,119	192,363
2024	68,243	22.5	15,355	170,233	22.9	15,628	173,157	25.9	17,675	194,562
2025	70,461	22.5	15,854	171,963	22.9	16,136	174,916	25.9	18,249	196,539
2026	72,751	22.5	16,369	173,473	22.9	16,660	176,452	25.9	18,843	198,265
2027	75,115	22.5	16,901	174,737	22.9	17,201	177,737	25.9	19,455	199,709
2028	77,556	22.5	17,450	175,725	22.9	17,760	178,742	25.9	20,087	200,838
2029	80,077	22.5	18,017	176,405	22.9	18,338	179,433	25.9	20,740	201,615
2030	82,680	22.5	18,603	176,742	22.9	18,934	179,776	25.9	21,414	202,000

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	10.5%	\$6,510	\$ 93,699	13.9%	\$8,618	\$ 117,120	12.0%	\$7,440	\$ 104,937
2022	64,015	10.5	6,722	94,983	13.9	8,898	118,725	12.0	7,682	106,375
2023	66,095	10.5	6,940	96,181	13.9	9,187	120,222	12.0	7,931	107,716
2024	68,243	10.5	7,166	97,281	13.9	9,486	121,596	12.0	8,189	108,948
2025	70,461	10.5	7,398	98,269	13.9	9,794	122,832	12.0	8,455	110,055
2026	72,751	10.5	7,639	99,132	13.9	10,112	123,911	12.0	8,730	111,022
2027	75,115	10.5	7,887	99,854	13.9	10,441	124,814	12.0	9,014	111,831
2028	77,556	10.5	8,143	100,418	13.9	10,780	125,519	12.0	9,307	112,463
2029	80,077	10.5	8,408	100,806	13.9	11,131	126,004	12.0	9,609	112,898
2030	82,680	10.5	8,681	100,998	13.9	11,493	126,245	12.0	9,922	113,114

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	15.0%	\$9,300	\$ 125,544	17.2%	\$10,664	\$ 140,550	17.9%	\$11,098	\$ 146,170
2022	64,015	15.0	9,602	127,264	17.2	11,011	142,476	17.9	11,459	148,173
2023	66,095	15.0	9,914	128,869	17.2	11,368	144,273	17.9	11,831	150,041
2024	68,243	15.0	10,236	130,342	17.2	11,738	145,922	17.9	12,215	151,756
2025	70,461	15.0	10,569	131,666	17.2	12,119	147,405	17.9	12,613	153,298
2026	72,751	15.0	10,913	132,822	17.2	12,513	148,700	17.9	13,022	154,644
2027	75,115	15.0	11,267	133,790	17.2	12,920	149,783	17.9	13,446	155,770
2028	77,556	15.0	11,633	134,546	17.2	13,340	150,630	17.9	13,883	156,650
2029	80,077	15.0	12,012	135,066	17.2	13,773	151,212	17.9	14,334	157,256
2030	82,680	15.0	12,402	135,324	17.2	14,221	151,501	17.9	14,800	157,556

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	20.6%	\$12,772	\$ 163,967	21.0%	\$13,020	\$ 166,783	24.0%	\$14,880	\$ 187,401
2022	64,015	20.6	13,187	166,213	21.0	13,443	169,068	24.0	15,364	189,968
2023	66,095	20.6	13,616	168,309	21.0	13,880	171,200	24.0	15,863	192,363
2024	68,243	20.6	14,058	170,233	21.0	14,331	173,157	24.0	16,378	194,562
2025	70,461	20.6	14,515	171,963	21.0	14,797	174,916	24.0	16,911	196,539
2026	72,751	20.6	14,987	173,473	21.0	15,278	176,452	24.0	17,460	198,265
2027	75,115	20.6	15,474	174,737	21.0	15,774	177,737	24.0	18,028	199,709
2028	77,556	20.6	15,977	175,725	21.0	16,287	178,742	24.0	18,613	200,838
2029	80,077	20.6	16,496	176,405	21.0	16,816	179,433	24.0	19,218	201,615
2030	82,680	20.6	17,032	176,742	21.0	17,363	179,776	24.0	19,843	202,000

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	8.6%	\$5,332	\$ 93,699	12.0%	\$7,440	\$ 117,120	10.1%	\$6,262	\$ 104,937
2022	64,015	8.6	5,505	94,983	12.0	7,682	118,725	10.1	6,466	106,375
2023	66,095	8.6	5,684	96,181	12.0	7,931	120,222	10.1	6,676	107,716
2024	68,243	8.6	5,869	97,281	12.0	8,189	121,596	10.1	6,893	108,948
2025	70,461	8.6	6,060	98,269	12.0	8,455	122,832	10.1	7,117	110,055
2026	72,751	8.6	6,257	99,132	12.0	8,730	123,911	10.1	7,348	111,022
2027	75,115	8.6	6,460	99,854	12.0	9,014	124,814	10.1	7,587	111,831
2028	77,556	8.6	6,670	100,418	12.0	9,307	125,519	10.1	7,833	112,463
2029	80,077	8.6	6,887	100,806	12.0	9,609	126,004	10.1	8,088	112,898
2030	82,680	8.6	7,110	100,998	12.0	9,922	126,245	10.1	8,351	113,114

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	13.1%	\$8,122	\$ 125,544	15.3%	\$9,486	\$ 140,550	16.0%	\$9,920	\$ 146,170
2022	64,015	13.1	8,386	127,264	15.3	9,794	142,476	16.0	10,242	148,173
2023	66,095	13.1	8,658	128,869	15.3	10,113	144,273	16.0	10,575	150,041
2024	68,243	13.1	8,940	130,342	15.3	10,441	145,922	16.0	10,919	151,756
2025	70,461	13.1	9,230	131,666	15.3	10,781	147,405	16.0	11,274	153,298
2026	72,751	13.1	9,530	132,822	15.3	11,131	148,700	16.0	11,640	154,644
2027	75,115	13.1	9,840	133,790	15.3	11,493	149,783	16.0	12,018	155,770
2028	77,556	13.1	10,160	134,546	15.3	11,866	150,630	16.0	12,409	156,650
2029	80,077	13.1	10,490	135,066	15.3	12,252	151,212	16.0	12,812	157,256
2030	82,680	13.1	10,831	135,324	15.3	12,650	151,501	16.0	13,229	157,556

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	18.7%	\$11,594	\$ 163,967	19.1%	\$11,842	\$ 166,783	22.1%	\$13,702	\$ 187,401
2022	64,015	18.7	11,971	166,213	19.1	12,227	169,068	22.1	14,147	189,968
2023	66,095	18.7	12,360	168,309	19.1	12,624	171,200	22.1	14,607	192,363
2024	68,243	18.7	12,761	170,233	19.1	13,034	173,157	22.1	15,082	194,562
2025	70,461	18.7	13,176	171,963	19.1	13,458	174,916	22.1	15,572	196,539
2026	72,751	18.7	13,604	173,473	19.1	13,895	176,452	22.1	16,078	198,265
2027	75,115	18.7	14,047	174,737	19.1	14,347	177,737	22.1	16,600	199,709
2028	77,556	18.7	14,503	175,725	19.1	14,813	178,742	22.1	17,140	200,838
2029	80,077	18.7	14,974	176,405	19.1	15,295	179,433	22.1	17,697	201,615
2030	82,680	18.7	15,461	176,742	19.1	15,792	179,776	22.1	18,272	202,000

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	15.4%	\$9,548	\$ 103,191	19.2%	\$11,904	\$ 128,983	19.0%	\$11,780	\$ 129,779
2022	64,015	15.4	9,858	104,605	19.2	12,291	130,750	19.0	12,163	131,557
2023	66,095	15.4	10,179	105,924	19.2	12,690	132,399	19.0	12,558	133,216
2024	68,243	15.4	10,509	107,135	19.2	13,103	133,913	19.0	12,966	134,739
2025	70,461	15.4	10,851	108,224	19.2	13,529	135,274	19.0	13,388	136,108
2026	72,751	15.4	11,204	109,174	19.2	13,968	136,462	19.0	13,823	137,303
2027	75,115	15.4	11,568	109,969	19.2	14,422	137,456	19.0	14,272	138,303
2028	77,556	15.4	11,944	110,591	19.2	14,891	138,233	19.0	14,736	139,085
2029	80,077	15.4	12,332	111,019	19.2	15,375	138,768	19.0	15,215	139,623
2030	82,680	15.4	12,733	111,231	19.2	15,875	139,033	19.0	15,709	139,890

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	21.8%	\$13,516	\$ 148,924	22.8%	\$14,136	\$ 154,780	24.5%	\$15,190	\$ 168,074
2022	64,015	21.8	13,955	150,964	22.8	14,595	156,900	24.5	15,684	170,377
2023	66,095	21.8	14,409	152,868	22.8	15,070	158,878	24.5	16,193	172,525
2024	68,243	21.8	14,877	154,616	22.8	15,559	160,694	24.5	16,720	174,497
2025	70,461	21.8	15,360	156,187	22.8	16,065	162,327	24.5	17,263	176,270
2026	72,751	21.8	15,860	157,559	22.8	16,587	163,753	24.5	17,824	177,818
2027	75,115	21.8	16,375	158,707	22.8	17,126	164,946	24.5	18,403	179,113
2028	77,556	21.8	16,907	159,604	22.8	17,683	165,878	24.5	19,001	180,125
2029	80,077	21.8	17,457	160,221	22.8	18,258	166,519	24.5	19,619	180,822
2030	82,680	21.8	18,024	160,527	22.8	18,851	166,837	24.5	20,257	181,167

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	26.5%	\$16,430	\$ 180,582	27.3%	\$16,926	\$ 187,220	30.2%	\$18,724	\$ 206,382
2022	64,015	26.5	16,964	183,056	27.3	17,476	189,785	30.2	19,333	209,209
2023	66,095	26.5	17,515	185,364	27.3	18,044	192,178	30.2	19,961	211,847
2024	68,243	26.5	18,084	187,483	27.3	18,630	194,375	30.2	20,609	214,269
2025	70,461	26.5	18,672	189,388	27.3	19,236	196,350	30.2	21,279	216,446
2026	72,751	26.5	19,279	191,051	27.3	19,861	198,074	30.2	21,971	218,347
2027	75,115	26.5	19,905	192,443	27.3	20,506	199,517	30.2	22,685	219,938
2028	77,556	26.5	20,552	193,531	27.3	21,173	200,645	30.2	23,422	221,181
2029	80,077	26.5	21,220	194,279	27.3	21,861	201,421	30.2	24,183	222,036
2030	82,680	26.5	21,910	194,650	27.3	22,572	201,806	30.2	24,969	222,460

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	13.5%	\$8,370	\$ 103,191	17.3%	\$10,726	\$ 128,983	17.1%	\$10,602	\$ 129,779
2022	64,015	13.5	8,642	104,605	17.3	11,075	130,750	17.1	10,947	131,557
2023	66,095	13.5	8,923	105,924	17.3	11,434	132,399	17.1	11,302	133,216
2024	68,243	13.5	9,213	107,135	17.3	11,806	133,913	17.1	11,670	134,739
2025	70,461	13.5	9,512	108,224	17.3	12,190	135,274	17.1	12,049	136,108
2026	72,751	13.5	9,821	109,174	17.3	12,586	136,462	17.1	12,440	137,303
2027	75,115	13.5	10,141	109,969	17.3	12,995	137,456	17.1	12,845	138,303
2028	77,556	13.5	10,470	110,591	17.3	13,417	138,233	17.1	13,262	139,085
2029	80,077	13.5	10,810	111,019	17.3	13,853	138,768	17.1	13,693	139,623
2030	82,680	13.5	11,162	111,231	17.3	14,304	139,033	17.1	14,138	139,890

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	19.9%	\$12,338	\$ 148,924	20.9%	\$12,958	\$ 154,780	22.6%	\$14,012	\$ 168,074
2022	64,015	19.9	12,739	150,964	20.9	13,379	156,900	22.6	14,467	170,377
2023	66,095	19.9	13,153	152,868	20.9	13,814	158,878	22.6	14,937	172,525
2024	68,243	19.9	13,580	154,616	20.9	14,263	160,694	22.6	15,423	174,497
2025	70,461	19.9	14,022	156,187	20.9	14,726	162,327	22.6	15,924	176,270
2026	72,751	19.9	14,477	157,559	20.9	15,205	163,753	22.6	16,442	177,818
2027	75,115	19.9	14,948	158,707	20.9	15,699	164,946	22.6	16,976	179,113
2028	77,556	19.9	15,434	159,604	20.9	16,209	165,878	22.6	17,528	180,125
2029	80,077	19.9	15,935	160,221	20.9	16,736	166,519	22.6	18,097	180,822
2030	82,680	19.9	16,453	160,527	20.9	17,280	166,837	22.6	18,686	181,167

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	24.6%	\$15,252	\$ 180,582	25.4%	\$15,748	\$ 187,220	28.3%	\$17,546	\$ 206,382
2022	64,015	24.6	15,748	183,056	25.4	16,260	189,785	28.3	18,116	209,209
2023	66,095	24.6	16,259	185,364	25.4	16,788	192,178	28.3	18,705	211,847
2024	68,243	24.6	16,788	187,483	25.4	17,334	194,375	28.3	19,313	214,269
2025	70,461	24.6	17,333	189,388	25.4	17,897	196,350	28.3	19,940	216,446
2026	72,751	24.6	17,897	191,051	25.4	18,479	198,074	28.3	20,589	218,347
2027	75,115	24.6	18,478	192,443	25.4	19,079	199,517	28.3	21,258	219,938
2028	77,556	24.6	19,079	193,531	25.4	19,699	200,645	28.3	21,948	221,181
2029	80,077	24.6	19,699	194,279	25.4	20,340	201,421	28.3	22,662	222,036
2030	82,680	24.6	20,339	194,650	25.4	21,001	201,806	28.3	23,398	222,460

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	11.6%	\$7,192	\$ 103,191	15.4%	\$9,548	\$ 128,983	15.2%	\$9,424	\$ 129,779
2022	64,015	11.6	7,426	104,605	15.4	9,858	130,750	15.2	9,730	131,557
2023	66,095	11.6	7,667	105,924	15.4	10,179	132,399	15.2	10,046	133,216
2024	68,243	11.6	7,916	107,135	15.4	10,509	133,913	15.2	10,373	134,739
2025	70,461	11.6	8,173	108,224	15.4	10,851	135,274	15.2	10,710	136,108
2026	72,751	11.6	8,439	109,174	15.4	11,204	136,462	15.2	11,058	137,303
2027	75,115	11.6	8,713	109,969	15.4	11,568	137,456	15.2	11,417	138,303
2028	77,556	11.6	8,996	110,591	15.4	11,944	138,233	15.2	11,789	139,085
2029	80,077	11.6	9,289	111,019	15.4	12,332	138,768	15.2	12,172	139,623
2030	82,680	11.6	9,591	111,231	15.4	12,733	139,033	15.2	12,567	139,890

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	18.0%	\$11,160	\$ 148,924	19.0%	\$11,780	\$ 154,780	20.7%	\$12,834	\$ 168,074
2022	64,015	18.0	11,523	150,964	19.0	12,163	156,900	20.7	13,251	170,377
2023	66,095	18.0	11,897	152,868	19.0	12,558	158,878	20.7	13,682	172,525
2024	68,243	18.0	12,284	154,616	19.0	12,966	160,694	20.7	14,126	174,497
2025	70,461	18.0	12,683	156,187	19.0	13,388	162,327	20.7	14,585	176,270
2026	72,751	18.0	13,095	157,559	19.0	13,823	163,753	20.7	15,059	177,818
2027	75,115	18.0	13,521	158,707	19.0	14,272	164,946	20.7	15,549	179,113
2028	77,556	18.0	13,960	159,604	19.0	14,736	165,878	20.7	16,054	180,125
2029	80,077	18.0	14,414	160,221	19.0	15,215	166,519	20.7	16,576	180,822
2030	82,680	18.0	14,882	160,527	19.0	15,709	166,837	20.7	17,115	181,167

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	22.7%	\$14,074	\$ 180,582	23.5%	\$14,570	\$ 187,220	26.4%	\$16,368	\$ 206,382
2022	64,015	22.7	14,531	183,056	23.5	15,044	189,785	26.4	16,900	209,209
2023	66,095	22.7	15,004	185,364	23.5	15,532	192,178	26.4	17,449	211,847
2024	68,243	22.7	15,491	187,483	23.5	16,037	194,375	26.4	18,016	214,269
2025	70,461	22.7	15,995	189,388	23.5	16,558	196,350	26.4	18,602	216,446
2026	72,751	22.7	16,514	191,051	23.5	17,096	198,074	26.4	19,206	218,347
2027	75,115	22.7	17,051	192,443	23.5	17,652	199,517	26.4	19,830	219,938
2028	77,556	22.7	17,605	193,531	23.5	18,226	200,645	26.4	20,475	221,181
2029	80,077	22.7	18,177	194,279	23.5	18,818	201,421	26.4	21,140	222,036
2030	82,680	22.7	18,768	194,650	23.5	19,430	201,806	26.4	21,828	222,460

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	9.7%	\$6,014	\$ 103,191	13.5%	\$8,370	\$ 128,983	13.3%	\$8,246	\$ 129,779
2022	64,015	9.7	6,209	104,605	13.5	8,642	130,750	13.3	8,514	131,557
2023	66,095	9.7	6,411	105,924	13.5	8,923	132,399	13.3	8,791	133,216
2024	68,243	9.7	6,620	107,135	13.5	9,213	133,913	13.3	9,076	134,739
2025	70,461	9.7	6,835	108,224	13.5	9,512	135,274	13.3	9,371	136,108
2026	72,751	9.7	7,057	109,174	13.5	9,821	136,462	13.3	9,676	137,303
2027	75,115	9.7	7,286	109,969	13.5	10,141	137,456	13.3	9,990	138,303
2028	77,556	9.7	7,523	110,591	13.5	10,470	138,233	13.3	10,315	139,085
2029	80,077	9.7	7,767	111,019	13.5	10,810	138,768	13.3	10,650	139,623
2030	82,680	9.7	8,020	111,231	13.5	11,162	139,033	13.3	10,996	139,890

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	16.1%	\$9,982	\$ 148,924	17.1%	\$10,602	\$ 154,780	18.8%	\$11,656	\$ 168,074
2022	64,015	16.1	10,306	150,964	17.1	10,947	156,900	18.8	12,035	170,377
2023	66,095	16.1	10,641	152,868	17.1	11,302	158,878	18.8	12,426	172,525
2024	68,243	16.1	10,987	154,616	17.1	11,670	160,694	18.8	12,830	174,497
2025	70,461	16.1	11,344	156,187	17.1	12,049	162,327	18.8	13,247	176,270
2026	72,751	16.1	11,713	157,559	17.1	12,440	163,753	18.8	13,677	177,818
2027	75,115	16.1	12,094	158,707	17.1	12,845	164,946	18.8	14,122	179,113
2028	77,556	16.1	12,487	159,604	17.1	13,262	165,878	18.8	14,581	180,125
2029	80,077	16.1	12,892	160,221	17.1	13,693	166,519	18.8	15,054	180,822
2030	82,680	16.1	13,311	160,527	17.1	14,138	166,837	18.8	15,544	181,167

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	20.8%	\$12,896	\$ 180,582	21.6%	\$13,392	\$ 187,220	24.5%	\$15,190	\$ 206,382
2022	64,015	20.8	13,315	183,056	21.6	13,827	189,785	24.5	15,684	209,209
2023	66,095	20.8	13,748	185,364	21.6	14,277	192,178	24.5	16,193	211,847
2024	68,243	20.8	14,195	187,483	21.6	14,740	194,375	24.5	16,720	214,269
2025	70,461	20.8	14,656	189,388	21.6	15,220	196,350	24.5	17,263	216,446
2026	72,751	20.8	15,132	191,051	21.6	15,714	198,074	24.5	17,824	218,347
2027	75,115	20.8	15,624	192,443	21.6	16,225	199,517	24.5	18,403	219,938
2028	77,556	20.8	16,132	193,531	21.6	16,752	200,645	24.5	19,001	221,181
2029	80,077	20.8	16,656	194,279	21.6	17,297	201,421	24.5	19,619	222,036
2030	82,680	20.8	17,197	194,650	21.6	17,859	201,806	24.5	20,257	222,460

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	16.0%	\$9,920	\$ 106,811	19.8%	\$12,276	\$ 133,528	19.6%	\$12,152	\$ 134,342
2022	64,015	16.0	10,242	108,274	19.8	12,675	135,357	19.6	12,547	136,182
2023	66,095	16.0	10,575	109,639	19.8	13,087	137,064	19.6	12,955	137,899
2024	68,243	16.0	10,919	110,892	19.8	13,512	138,631	19.6	13,376	139,476
2025	70,461	16.0	11,274	112,019	19.8	13,951	140,040	19.6	13,810	140,893
2026	72,751	16.0	11,640	113,003	19.8	14,405	141,270	19.6	14,259	142,130
2027	75,115	16.0	12,018	113,826	19.8	14,873	142,299	19.6	14,723	143,165
2028	77,556	16.0	12,409	114,469	19.8	15,356	143,103	19.6	15,201	143,974
2029	80,077	16.0	12,812	114,912	19.8	15,855	143,656	19.6	15,695	144,531
2030	82,680	16.0	13,229	115,131	19.8	16,371	143,930	19.6	16,205	144,807

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	22.5%	\$13,950	\$ 154,176	23.6%	\$14,632	\$ 160,235	25.3%	\$15,686	\$ 174,001
2022	64,015	22.5	14,403	156,288	23.6	15,108	162,430	25.3	16,196	176,385
2023	66,095	22.5	14,871	158,259	23.6	15,598	164,478	25.3	16,722	178,609
2024	68,243	22.5	15,355	160,068	23.6	16,105	166,358	25.3	17,265	180,651
2025	70,461	22.5	15,854	161,694	23.6	16,629	168,048	25.3	17,827	182,487
2026	72,751	22.5	16,369	163,114	23.6	17,169	169,524	25.3	18,406	184,090
2027	75,115	22.5	16,901	164,302	23.6	17,727	170,759	25.3	19,004	185,431
2028	77,556	22.5	17,450	165,231	23.6	18,303	171,724	25.3	19,622	186,479
2029	80,077	22.5	18,017	165,870	23.6	18,898	172,388	25.3	20,259	187,200
2030	82,680	22.5	18,603	166,187	23.6	19,512	172,717	25.3	20,918	187,557

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	27.4%	\$16,988	\$ 186,939	28.2%	\$17,484	\$ 193,822	31.3%	\$19,406	\$ 213,638
2022	64,015	27.4	17,540	189,500	28.2	18,052	196,477	31.3	20,037	216,565
2023	66,095	27.4	18,110	191,889	28.2	18,639	198,954	31.3	20,688	219,296
2024	68,243	27.4	18,699	194,083	28.2	19,245	201,229	31.3	21,360	221,803
2025	70,461	27.4	19,306	196,055	28.2	19,870	203,274	31.3	22,054	224,057
2026	72,751	27.4	19,934	197,777	28.2	20,516	205,059	31.3	22,771	226,025
2027	75,115	27.4	20,582	199,218	28.2	21,182	206,553	31.3	23,511	227,671
2028	77,556	27.4	21,250	200,344	28.2	21,871	207,720	31.3	24,275	228,958
2029	80,077	27.4	21,941	201,119	28.2	22,582	208,523	31.3	25,064	229,843
2030	82,680	27.4	22,654	201,503	28.2	23,316	208,921	31.3	25,879	230,282

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	14.1%	\$8,742	\$ 106,811	17.9%	\$11,098	\$ 133,528	17.7%	\$10,974	\$ 134,342
2022	64,015	14.1	9,026	108,274	17.9	11,459	135,357	17.7	11,331	136,182
2023	66,095	14.1	9,319	109,639	17.9	11,831	137,064	17.7	11,699	137,899
2024	68,243	14.1	9,622	110,892	17.9	12,215	138,631	17.7	12,079	139,476
2025	70,461	14.1	9,935	112,019	17.9	12,613	140,040	17.7	12,472	140,893
2026	72,751	14.1	10,258	113,003	17.9	13,022	141,270	17.7	12,877	142,130
2027	75,115	14.1	10,591	113,826	17.9	13,446	142,299	17.7	13,295	143,165
2028	77,556	14.1	10,935	114,469	17.9	13,883	143,103	17.7	13,727	143,974
2029	80,077	14.1	11,291	114,912	17.9	14,334	143,656	17.7	14,174	144,531
2030	82,680	14.1	11,658	115,131	17.9	14,800	143,930	17.7	14,634	144,807

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	20.6%	\$12,772	\$ 154,176	21.7%	\$13,454	\$ 160,235	23.4%	\$14,508	\$ 174,001
2022	64,015	20.6	13,187	156,288	21.7	13,891	162,430	23.4	14,980	176,385
2023	66,095	20.6	13,616	158,259	21.7	14,343	164,478	23.4	15,466	178,609
2024	68,243	20.6	14,058	160,068	21.7	14,809	166,358	23.4	15,969	180,651
2025	70,461	20.6	14,515	161,694	21.7	15,290	168,048	23.4	16,488	182,487
2026	72,751	20.6	14,987	163,114	21.7	15,787	169,524	23.4	17,024	184,090
2027	75,115	20.6	15,474	164,302	21.7	16,300	170,759	23.4	17,577	185,431
2028	77,556	20.6	15,977	165,231	21.7	16,830	171,724	23.4	18,148	186,479
2029	80,077	20.6	16,496	165,870	21.7	17,377	172,388	23.4	18,738	187,200
2030	82,680	20.6	17,032	166,187	21.7	17,942	172,717	23.4	19,347	187,557

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	25.5%	\$15,810	\$ 186,939	26.3%	\$16,306	\$ 193,822	29.4%	\$18,228	\$ 213,638
2022	64,015	25.5	16,324	189,500	26.3	16,836	196,477	29.4	18,820	216,565
2023	66,095	25.5	16,854	191,889	26.3	17,383	198,954	29.4	19,432	219,296
2024	68,243	25.5	17,402	194,083	26.3	17,948	201,229	29.4	20,063	221,803
2025	70,461	25.5	17,968	196,055	26.3	18,531	203,274	29.4	20,716	224,057
2026	72,751	25.5	18,552	197,777	26.3	19,134	205,059	29.4	21,389	226,025
2027	75,115	25.5	19,154	199,218	26.3	19,755	206,553	29.4	22,084	227,671
2028	77,556	25.5	19,777	200,344	26.3	20,397	207,720	29.4	22,801	228,958
2029	80,077	25.5	20,420	201,119	26.3	21,060	208,523	29.4	23,543	229,843
2030	82,680	25.5	21,083	201,503	26.3	21,745	208,921	29.4	24,308	230,282

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2021	\$ 62,000	12.2%	\$7,564	\$ 106,811	16.0%	\$9,920	\$ 133,528	15.8%	\$9,796	\$ 134,342
2022	64,015	12.2	7,810	108,274	16.0	10,242	135,357	15.8	10,114	136,182
2023	66,095	12.2	8,064	109,639	16.0	10,575	137,064	15.8	10,443	137,899
2024	68,243	12.2	8,326	110,892	16.0	10,919	138,631	15.8	10,782	139,476
2025	70,461	12.2	8,596	112,019	16.0	11,274	140,040	15.8	11,133	140,893
2026	72,751	12.2	8,876	113,003	16.0	11,640	141,270	15.8	11,495	142,130
2027	75,115	12.2	9,164	113,826	16.0	12,018	142,299	15.8	11,868	143,165
2028	77,556	12.2	9,462	114,469	16.0	12,409	143,103	15.8	12,254	143,974
2029	80,077	12.2	9,769	114,912	16.0	12,812	143,656	15.8	12,652	144,531
2030	82,680	12.2	10,087	115,131	16.0	13,229	143,930	15.8	13,063	144,807

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
2021	\$ 62,000	18.7%	\$11,594	\$ 154,176	19.8%	\$12,276	\$ 160,235	21.5%	\$13,330	\$ 174,001
2022	64,015	18.7	11,971	156,288	19.8	12,675	162,430	21.5	13,763	176,385
2023	66,095	18.7	12,360	158,259	19.8	13,087	164,478	21.5	14,210	178,609
2024	68,243	18.7	12,761	160,068	19.8	13,512	166,358	21.5	14,672	180,651
2025	70,461	18.7	13,176	161,694	19.8	13,951	168,048	21.5	15,149	182,487
2026	72,751	18.7	13,604	163,114	19.8	14,405	169,524	21.5	15,641	184,090
2027	75,115	18.7	14,047	164,302	19.8	14,873	170,759	21.5	16,150	185,431
2028	77,556	18.7	14,503	165,231	19.8	15,356	171,724	21.5	16,675	186,479
2029	80,077	18.7	14,974	165,870	19.8	15,855	172,388	21.5	17,217	187,200
2030	82,680	18.7	15,461	166,187	19.8	16,371	172,717	21.5	17,776	187,557

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
2021	\$ 62,000	23.6%	\$14,632	\$ 186,939	24.4%	\$15,128	\$ 193,822	27.5%	\$17,050	\$ 213,638
2022	64,015	23.6	15,108	189,500	24.4	15,620	196,477	27.5	17,604	216,565
2023	66,095	23.6	15,598	191,889	24.4	16,127	198,954	27.5	18,176	219,296
2024	68,243	23.6	16,105	194,083	24.4	16,651	201,229	27.5	18,767	221,803
2025	70,461	23.6	16,629	196,055	24.4	17,192	203,274	27.5	19,377	224,057
2026	72,751	23.6	17,169	197,777	24.4	17,751	205,059	27.5	20,007	226,025
2027	75,115	23.6	17,727	199,218	24.4	18,328	206,553	27.5	20,657	227,671
2028	77,556	23.6	18,303	200,344	24.4	18,924	207,720	27.5	21,328	228,958
2029	80,077	23.6	18,898	201,119	24.4	19,539	208,523	27.5	22,021	229,843
2030	82,680	23.6	19,512	201,503	24.4	20,174	208,921	27.5	22,737	230,282

Notes regarding the above projections:

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



Mid-County Fire Protection District - General

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	10.3%	\$6,386	\$ 106,811	14.1%	\$8,742	\$ 133,528	13.9%	\$8,618	\$ 134,342
2022	64,015	10.3	6,594	108,274	14.1	9,026	135,357	13.9	8,898	136,182
2023	66,095	10.3	6,808	109,639	14.1	9,319	137,064	13.9	9,187	137,899
2024	68,243	10.3	7,029	110,892	14.1	9,622	138,631	13.9	9,486	139,476
2025	70,461	10.3	7,257	112,019	14.1	9,935	140,040	13.9	9,794	140,893
2026	72,751	10.3	7,493	113,003	14.1	10,258	141,270	13.9	10,112	142,130
2027	75,115	10.3	7,737	113,826	14.1	10,591	142,299	13.9	10,441	143,165
2028	77,556	10.3	7,988	114,469	14.1	10,935	143,103	13.9	10,780	143,974
2029	80,077	10.3	8,248	114,912	14.1	11,291	143,656	13.9	11,131	144,531
2030	82,680	10.3	8,516	115,131	14.1	11,658	143,930	13.9	11,493	144,807

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	16.8%	\$10,416	\$ 154,176	17.9%	\$11,098	\$ 160,235	19.6%	\$12,152	\$ 174,001
2022	64,015	16.8	10,755	156,288	17.9	11,459	162,430	19.6	12,547	176,385
2023	66,095	16.8	11,104	158,259	17.9	11,831	164,478	19.6	12,955	178,609
2024	68,243	16.8	11,465	160,068	17.9	12,215	166,358	19.6	13,376	180,651
2025	70,461	16.8	11,837	161,694	17.9	12,613	168,048	19.6	13,810	182,487
2026	72,751	16.8	12,222	163,114	17.9	13,022	169,524	19.6	14,259	184,090
2027	75,115	16.8	12,619	164,302	17.9	13,446	170,759	19.6	14,723	185,431
2028	77,556	16.8	13,029	165,231	17.9	13,883	171,724	19.6	15,201	186,479
2029	80,077	16.8	13,453	165,870	17.9	14,334	172,388	19.6	15,695	187,200
2030	82,680	16.8	13,890	166,187	17.9	14,800	172,717	19.6	16,205	187,557

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 62,000	21.7%	\$13,454	\$ 186,939	22.5%	\$13,950	\$ 193,822	25.6%	\$15,872	\$ 213,638
2022	64,015	21.7	13,891	189,500	22.5	14,403	196,477	25.6	16,388	216,565
2023	66,095	21.7	14,343	191,889	22.5	14,871	198,954	25.6	16,920	219,296
2024	68,243	21.7	14,809	194,083	22.5	15,355	201,229	25.6	17,470	221,803
2025	70,461	21.7	15,290	196,055	22.5	15,854	203,274	25.6	18,038	224,057
2026	72,751	21.7	15,787	197,777	22.5	16,369	205,059	25.6	18,624	226,025
2027	75,115	21.7	16,300	199,218	22.5	16,901	206,553	25.6	19,229	227,671
2028	77,556	21.7	16,830	200,344	22.5	17,450	207,720	25.6	19,854	228,958
2029	80,077	21.7	17,377	201,119	22.5	18,017	208,523	25.6	20,500	229,843
2030	82,680	21.7	17,942	201,503	22.5	18,603	208,921	25.6	21,166	230,282

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	17.8%	\$250,980	\$ 2,181,500	22.0%	\$310,200	\$ 2,726,871	22.3%	\$314,430	\$ 2,853,197
2022	1,455,825	17.8	259,137	2,211,386	22.0	320,282	2,764,229	22.3	324,649	2,892,285
2023	1,503,139	17.8	267,559	2,239,270	22.0	330,691	2,799,084	22.3	335,200	2,928,755
2024	1,551,991	17.8	276,254	2,264,871	22.0	341,438	2,831,086	22.3	346,094	2,962,239
2025	1,602,431	17.8	285,233	2,287,884	22.0	352,535	2,859,852	22.3	357,342	2,992,338
2026	1,654,510	17.8	294,503	2,307,977	22.0	363,992	2,884,968	22.3	368,956	3,018,618
2027	1,708,282	17.8	304,074	2,324,789	22.0	375,822	2,905,983	22.3	380,947	3,040,607
2028	1,763,801	17.8	313,957	2,337,928	22.0	388,036	2,922,407	22.3	393,328	3,057,792
2029	1,821,125	17.8	324,160	2,346,969	22.0	400,648	2,933,708	22.3	406,111	3,069,617
2030	1,880,312	17.8	334,696	2,351,450	22.0	413,669	2,939,310	22.3	419,310	3,075,478

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	25.3%	\$356,730	\$ 3,230,622	26.1%	\$368,010	\$ 3,272,237	28.4%	\$400,440	\$ 3,608,098
2022	1,455,825	25.3	368,324	3,274,881	26.1	379,970	3,317,066	28.4	413,454	3,657,528
2023	1,503,139	25.3	380,294	3,316,175	26.1	392,319	3,358,892	28.4	426,891	3,703,647
2024	1,551,991	25.3	392,654	3,354,089	26.1	405,070	3,397,294	28.4	440,765	3,745,991
2025	1,602,431	25.3	405,415	3,388,170	26.1	418,234	3,431,814	28.4	455,090	3,784,054
2026	1,654,510	25.3	418,591	3,417,926	26.1	431,827	3,461,953	28.4	469,881	3,817,287
2027	1,708,282	25.3	432,195	3,442,823	26.1	445,862	3,487,171	28.4	485,152	3,845,093
2028	1,763,801	25.3	446,242	3,462,281	26.1	460,352	3,506,879	28.4	500,919	3,866,824
2029	1,821,125	25.3	460,745	3,475,670	26.1	475,314	3,520,440	28.4	517,200	3,881,777
2030	1,880,312	25.3	475,719	3,482,307	26.1	490,761	3,527,162	28.4	534,009	3,889,189

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	30.3%	\$427,230	\$ 3,817,627	31.4%	\$442,740	\$ 3,985,607	34.5%	\$486,450	\$ 4,363,016
2022	1,455,825	30.3	441,115	3,869,928	31.4	457,129	4,040,209	34.5	502,260	4,422,789
2023	1,503,139	30.3	455,451	3,918,725	31.4	471,986	4,091,153	34.5	518,583	4,478,558
2024	1,551,991	30.3	470,253	3,963,528	31.4	487,325	4,137,927	34.5	535,437	4,529,761
2025	1,602,431	30.3	485,537	4,003,801	31.4	503,163	4,179,972	34.5	552,839	4,575,788
2026	1,654,510	30.3	501,317	4,038,964	31.4	519,516	4,216,682	34.5	570,806	4,615,974
2027	1,708,282	30.3	517,609	4,068,385	31.4	536,401	4,247,398	34.5	589,357	4,649,598
2028	1,763,801	30.3	534,432	4,091,378	31.4	553,834	4,271,403	34.5	608,511	4,675,876
2029	1,821,125	30.3	551,801	4,107,200	31.4	571,833	4,287,921	34.5	628,288	4,693,958
2030	1,880,312	30.3	569,735	4,115,043	31.4	590,418	4,296,109	34.5	648,708	4,702,921

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	15.9%	\$224,190	\$ 2,181,500	20.1%	\$283,410	\$ 2,726,871	20.4%	\$287,640	\$ 2,853,197
2022	1,455,825	15.9	231,476	2,211,386	20.1	292,621	2,764,229	20.4	296,988	2,892,285
2023	1,503,139	15.9	238,999	2,239,270	20.1	302,131	2,799,084	20.4	306,640	2,928,755
2024	1,551,991	15.9	246,767	2,264,871	20.1	311,950	2,831,086	20.4	316,606	2,962,239
2025	1,602,431	15.9	254,787	2,287,884	20.1	322,089	2,859,852	20.4	326,896	2,992,338
2026	1,654,510	15.9	263,067	2,307,977	20.1	332,557	2,884,968	20.4	337,520	3,018,618
2027	1,708,282	15.9	271,617	2,324,789	20.1	343,365	2,905,983	20.4	348,490	3,040,607
2028	1,763,801	15.9	280,444	2,337,928	20.1	354,524	2,922,407	20.4	359,815	3,057,792
2029	1,821,125	15.9	289,559	2,346,969	20.1	366,046	2,933,708	20.4	371,510	3,069,617
2030	1,880,312	15.9	298,970	2,351,450	20.1	377,943	2,939,310	20.4	383,584	3,075,478

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	23.4%	\$329,940	\$ 3,230,622	24.2%	\$341,220	\$ 3,272,237	26.5%	\$373,650	\$ 3,608,098
2022	1,455,825	23.4	340,663	3,274,881	24.2	352,310	3,317,066	26.5	385,794	3,657,528
2023	1,503,139	23.4	351,735	3,316,175	24.2	363,760	3,358,892	26.5	398,332	3,703,647
2024	1,551,991	23.4	363,166	3,354,089	24.2	375,582	3,397,294	26.5	411,278	3,745,991
2025	1,602,431	23.4	374,969	3,388,170	24.2	387,788	3,431,814	26.5	424,644	3,784,054
2026	1,654,510	23.4	387,155	3,417,926	24.2	400,391	3,461,953	26.5	438,445	3,817,287
2027	1,708,282	23.4	399,738	3,442,823	24.2	413,404	3,487,171	26.5	452,695	3,845,093
2028	1,763,801	23.4	412,729	3,462,281	24.2	426,840	3,506,879	26.5	467,407	3,866,824
2029	1,821,125	23.4	426,143	3,475,670	24.2	440,712	3,520,440	26.5	482,598	3,881,777
2030	1,880,312	23.4	439,993	3,482,307	24.2	455,036	3,527,162	26.5	498,283	3,889,189

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	28.4%	\$400,440	\$ 3,817,627	29.5%	\$415,950	\$ 3,985,607	32.6%	\$459,660	\$ 4,363,016
2022	1,455,825	28.4	413,454	3,869,928	29.5	429,468	4,040,209	32.6	474,599	4,422,789
2023	1,503,139	28.4	426,891	3,918,725	29.5	443,426	4,091,153	32.6	490,023	4,478,558
2024	1,551,991	28.4	440,765	3,963,528	29.5	457,837	4,137,927	32.6	505,949	4,529,761
2025	1,602,431	28.4	455,090	4,003,801	29.5	472,717	4,179,972	32.6	522,393	4,575,788
2026	1,654,510	28.4	469,881	4,038,964	29.5	488,080	4,216,682	32.6	539,370	4,615,974
2027	1,708,282	28.4	485,152	4,068,385	29.5	503,943	4,247,398	32.6	556,900	4,649,598
2028	1,763,801	28.4	500,919	4,091,378	29.5	520,321	4,271,403	32.6	574,999	4,675,876
2029	1,821,125	28.4	517,200	4,107,200	29.5	537,232	4,287,921	32.6	593,687	4,693,958
2030	1,880,312	28.4	534,009	4,115,043	29.5	554,692	4,296,109	32.6	612,982	4,702,921

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	14.0%	\$197,400	\$ 2,181,500	18.2%	\$256,620	\$ 2,726,871	18.5%	\$260,850	\$ 2,853,197
2022	1,455,825	14.0	203,816	2,211,386	18.2	264,960	2,764,229	18.5	269,328	2,892,285
2023	1,503,139	14.0	210,439	2,239,270	18.2	273,571	2,799,084	18.5	278,081	2,928,755
2024	1,551,991	14.0	217,279	2,264,871	18.2	282,462	2,831,086	18.5	287,118	2,962,239
2025	1,602,431	14.0	224,340	2,287,884	18.2	291,642	2,859,852	18.5	296,450	2,992,338
2026	1,654,510	14.0	231,631	2,307,977	18.2	301,121	2,884,968	18.5	306,084	3,018,618
2027	1,708,282	14.0	239,159	2,324,789	18.2	310,907	2,905,983	18.5	316,032	3,040,607
2028	1,763,801	14.0	246,932	2,337,928	18.2	321,012	2,922,407	18.5	326,303	3,057,792
2029	1,821,125	14.0	254,958	2,346,969	18.2	331,445	2,933,708	18.5	336,908	3,069,617
2030	1,880,312	14.0	263,244	2,351,450	18.2	342,217	2,939,310	18.5	347,858	3,075,478

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	21.5%	\$303,150	\$ 3,230,622	22.3%	\$314,430	\$ 3,272,237	24.6%	\$346,860	\$ 3,608,098
2022	1,455,825	21.5	313,002	3,274,881	22.3	324,649	3,317,066	24.6	358,133	3,657,528
2023	1,503,139	21.5	323,175	3,316,175	22.3	335,200	3,358,892	24.6	369,772	3,703,647
2024	1,551,991	21.5	333,678	3,354,089	22.3	346,094	3,397,294	24.6	381,790	3,745,991
2025	1,602,431	21.5	344,523	3,388,170	22.3	357,342	3,431,814	24.6	394,198	3,784,054
2026	1,654,510	21.5	355,720	3,417,926	22.3	368,956	3,461,953	24.6	407,009	3,817,287
2027	1,708,282	21.5	367,281	3,442,823	22.3	380,947	3,487,171	24.6	420,237	3,845,093
2028	1,763,801	21.5	379,217	3,462,281	22.3	393,328	3,506,879	24.6	433,895	3,866,824
2029	1,821,125	21.5	391,542	3,475,670	22.3	406,111	3,520,440	24.6	447,997	3,881,777
2030	1,880,312	21.5	404,267	3,482,307	22.3	419,310	3,527,162	24.6	462,557	3,889,189

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	26.5%	\$373,650	\$ 3,817,627	27.6%	\$389,160	\$ 3,985,607	30.7%	\$432,870	\$ 4,363,016
2022	1,455,825	26.5	385,794	3,869,928	27.6	401,808	4,040,209	30.7	446,938	4,422,789
2023	1,503,139	26.5	398,332	3,918,725	27.6	414,866	4,091,153	30.7	461,464	4,478,558
2024	1,551,991	26.5	411,278	3,963,528	27.6	428,350	4,137,927	30.7	476,461	4,529,761
2025	1,602,431	26.5	424,644	4,003,801	27.6	442,271	4,179,972	30.7	491,946	4,575,788
2026	1,654,510	26.5	438,445	4,038,964	27.6	456,645	4,216,682	30.7	507,935	4,615,974
2027	1,708,282	26.5	452,695	4,068,385	27.6	471,486	4,247,398	30.7	524,443	4,649,598
2028	1,763,801	26.5	467,407	4,091,378	27.6	486,809	4,271,403	30.7	541,487	4,675,876
2029	1,821,125	26.5	482,598	4,107,200	27.6	502,631	4,287,921	30.7	559,085	4,693,958
2030	1,880,312	26.5	498,283	4,115,043	27.6	518,966	4,296,109	30.7	577,256	4,702,921

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	12.1%	\$170,610	\$ 2,181,500	16.3%	\$229,830	\$ 2,726,871	16.6%	\$234,060	\$ 2,853,197
2022	1,455,825	12.1	176,155	2,211,386	16.3	237,299	2,764,229	16.6	241,667	2,892,285
2023	1,503,139	12.1	181,880	2,239,270	16.3	245,012	2,799,084	16.6	249,521	2,928,755
2024	1,551,991	12.1	187,791	2,264,871	16.3	252,975	2,831,086	16.6	257,631	2,962,239
2025	1,602,431	12.1	193,894	2,287,884	16.3	261,196	2,859,852	16.6	266,004	2,992,338
2026	1,654,510	12.1	200,196	2,307,977	16.3	269,685	2,884,968	16.6	274,649	3,018,618
2027	1,708,282	12.1	206,702	2,324,789	16.3	278,450	2,905,983	16.6	283,575	3,040,607
2028	1,763,801	12.1	213,420	2,337,928	16.3	287,500	2,922,407	16.6	292,791	3,057,792
2029	1,821,125	12.1	220,356	2,346,969	16.3	296,843	2,933,708	16.6	302,307	3,069,617
2030	1,880,312	12.1	227,518	2,351,450	16.3	306,491	2,939,310	16.6	312,132	3,075,478

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	19.6%	\$276,360	\$ 3,230,622	20.4%	\$287,640	\$ 3,272,237	22.7%	\$320,070	\$ 3,608,098
2022	1,455,825	19.6	285,342	3,274,881	20.4	296,988	3,317,066	22.7	330,472	3,657,528
2023	1,503,139	19.6	294,615	3,316,175	20.4	306,640	3,358,892	22.7	341,213	3,703,647
2024	1,551,991	19.6	304,190	3,354,089	20.4	316,606	3,397,294	22.7	352,302	3,745,991
2025	1,602,431	19.6	314,076	3,388,170	20.4	326,896	3,431,814	22.7	363,752	3,784,054
2026	1,654,510	19.6	324,284	3,417,926	20.4	337,520	3,461,953	22.7	375,574	3,817,287
2027	1,708,282	19.6	334,823	3,442,823	20.4	348,490	3,487,171	22.7	387,780	3,845,093
2028	1,763,801	19.6	345,705	3,462,281	20.4	359,815	3,506,879	22.7	400,383	3,866,824
2029	1,821,125	19.6	356,941	3,475,670	20.4	371,510	3,520,440	22.7	413,395	3,881,777
2030	1,880,312	19.6	368,541	3,482,307	20.4	383,584	3,527,162	22.7	426,831	3,889,189

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	24.6%	\$346,860	\$ 3,817,627	25.7%	\$362,370	\$ 3,985,607	28.8%	\$406,080	\$ 4,363,016
2022	1,455,825	24.6	358,133	3,869,928	25.7	374,147	4,040,209	28.8	419,278	4,422,789
2023	1,503,139	24.6	369,772	3,918,725	25.7	386,307	4,091,153	28.8	432,904	4,478,558
2024	1,551,991	24.6	381,790	3,963,528	25.7	398,862	4,137,927	28.8	446,973	4,529,761
2025	1,602,431	24.6	394,198	4,003,801	25.7	411,825	4,179,972	28.8	461,500	4,575,788
2026	1,654,510	24.6	407,009	4,038,964	25.7	425,209	4,216,682	28.8	476,499	4,615,974
2027	1,708,282	24.6	420,237	4,068,385	25.7	439,028	4,247,398	28.8	491,985	4,649,598
2028	1,763,801	24.6	433,895	4,091,378	25.7	453,297	4,271,403	28.8	507,975	4,675,876
2029	1,821,125	24.6	447,997	4,107,200	25.7	468,029	4,287,921	28.8	524,484	4,693,958
2030	1,880,312	24.6	462,557	4,115,043	25.7	483,240	4,296,109	28.8	541,530	4,702,921

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	18.4%	\$259,440	\$ 2,256,666	22.7%	\$320,070	\$ 2,820,789	23.0%	\$324,300	\$ 2,952,324
2022	1,455,825	18.4	267,872	2,287,582	22.7	330,472	2,859,433	23.0	334,840	2,992,770
2023	1,503,139	18.4	276,578	2,316,427	22.7	341,213	2,895,489	23.0	345,722	3,030,507
2024	1,551,991	18.4	285,566	2,342,911	22.7	352,302	2,928,593	23.0	356,958	3,065,155
2025	1,602,431	18.4	294,847	2,366,717	22.7	363,752	2,958,350	23.0	368,559	3,096,300
2026	1,654,510	18.4	304,430	2,387,502	22.7	375,574	2,984,331	23.0	380,537	3,123,493
2027	1,708,282	18.4	314,324	2,404,893	22.7	387,780	3,006,070	23.0	392,905	3,146,246
2028	1,763,801	18.4	324,539	2,418,485	22.7	400,383	3,023,059	23.0	405,674	3,164,028
2029	1,821,125	18.4	335,087	2,427,837	22.7	413,395	3,034,749	23.0	418,859	3,176,263
2030	1,880,312	18.4	345,977	2,432,473	22.7	426,831	3,040,544	23.0	432,472	3,182,328

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	26.2%	\$369,420	\$ 3,342,551	27.0%	\$380,700	\$ 3,384,979	29.3%	\$413,130	\$ 3,732,819
2022	1,455,825	26.2	381,426	3,388,343	27.0	393,073	3,431,353	29.3	426,557	3,783,958
2023	1,503,139	26.2	393,822	3,431,068	27.0	405,848	3,474,620	29.3	440,420	3,831,671
2024	1,551,991	26.2	406,622	3,470,295	27.0	419,038	3,514,345	29.3	454,733	3,875,478
2025	1,602,431	26.2	419,837	3,505,556	27.0	432,656	3,550,054	29.3	469,512	3,914,856
2026	1,654,510	26.2	433,482	3,536,343	27.0	446,718	3,581,232	29.3	484,771	3,949,238
2027	1,708,282	26.2	447,570	3,562,103	27.0	461,236	3,607,319	29.3	500,527	3,978,006
2028	1,763,801	26.2	462,116	3,582,235	27.0	476,226	3,627,706	29.3	516,794	4,000,488
2029	1,821,125	26.2	477,135	3,596,088	27.0	491,704	3,641,734	29.3	533,590	4,015,958
2030	1,880,312	26.2	492,642	3,602,955	27.0	507,684	3,648,688	29.3	550,931	4,023,626

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	31.3%	\$441,330	\$ 3,949,100	32.5%	\$458,250	\$ 4,123,029	35.6%	\$501,960	\$ 4,513,283
2022	1,455,825	31.3	455,673	4,003,202	32.5	473,143	4,179,514	35.6	518,274	4,575,114
2023	1,503,139	31.3	470,483	4,053,680	32.5	488,520	4,232,215	35.6	535,117	4,632,803
2024	1,551,991	31.3	485,773	4,100,025	32.5	504,397	4,280,602	35.6	552,509	4,685,770
2025	1,602,431	31.3	501,561	4,141,685	32.5	520,790	4,324,097	35.6	570,465	4,733,382
2026	1,654,510	31.3	517,862	4,178,059	32.5	537,716	4,362,073	35.6	589,006	4,774,952
2027	1,708,282	31.3	534,692	4,208,493	32.5	555,192	4,393,848	35.6	608,148	4,809,734
2028	1,763,801	31.3	552,070	4,232,278	32.5	573,235	4,418,681	35.6	627,913	4,836,917
2029	1,821,125	31.3	570,012	4,248,644	32.5	591,866	4,435,768	35.6	648,321	4,855,622
2030	1,880,312	31.3	588,538	4,256,757	32.5	611,101	4,444,238	35.6	669,391	4,864,894

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	16.5%	\$232,650	\$ 2,256,666	20.8%	\$293,280	\$ 2,820,789	21.1%	\$297,510	\$ 2,952,324
2022	1,455,825	16.5	240,211	2,287,582	20.8	302,812	2,859,433	21.1	307,179	2,992,770
2023	1,503,139	16.5	248,018	2,316,427	20.8	312,653	2,895,489	21.1	317,162	3,030,507
2024	1,551,991	16.5	256,079	2,342,911	20.8	322,814	2,928,593	21.1	327,470	3,065,155
2025	1,602,431	16.5	264,401	2,366,717	20.8	333,306	2,958,350	21.1	338,113	3,096,300
2026	1,654,510	16.5	272,994	2,387,502	20.8	344,138	2,984,331	21.1	349,102	3,123,493
2027	1,708,282	16.5	281,867	2,404,893	20.8	355,323	3,006,070	21.1	360,448	3,146,246
2028	1,763,801	16.5	291,027	2,418,485	20.8	366,871	3,023,059	21.1	372,162	3,164,028
2029	1,821,125	16.5	300,486	2,427,837	20.8	378,794	3,034,749	21.1	384,257	3,176,263
2030	1,880,312	16.5	310,251	2,432,473	20.8	391,105	3,040,544	21.1	396,746	3,182,328

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	24.3%	\$342,630	\$ 3,342,551	25.1%	\$353,910	\$ 3,384,979	27.4%	\$386,340	\$ 3,732,819
2022	1,455,825	24.3	353,765	3,388,343	25.1	365,412	3,431,353	27.4	398,896	3,783,958
2023	1,503,139	24.3	365,263	3,431,068	25.1	377,288	3,474,620	27.4	411,860	3,831,671
2024	1,551,991	24.3	377,134	3,470,295	25.1	389,550	3,514,345	27.4	425,246	3,875,478
2025	1,602,431	24.3	389,391	3,505,556	25.1	402,210	3,550,054	27.4	439,066	3,914,856
2026	1,654,510	24.3	402,046	3,536,343	25.1	415,282	3,581,232	27.4	453,336	3,949,238
2027	1,708,282	24.3	415,113	3,562,103	25.1	428,779	3,607,319	27.4	468,069	3,978,006
2028	1,763,801	24.3	428,604	3,582,235	25.1	442,714	3,627,706	27.4	483,281	4,000,488
2029	1,821,125	24.3	442,533	3,596,088	25.1	457,102	3,641,734	27.4	498,988	4,015,958
2030	1,880,312	24.3	456,916	3,602,955	25.1	471,958	3,648,688	27.4	515,205	4,023,626

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	29.4%	\$414,540	\$ 3,949,100	30.6%	\$431,460	\$ 4,123,029	33.7%	\$475,170	\$ 4,513,283
2022	1,455,825	29.4	428,013	4,003,202	30.6	445,482	4,179,514	33.7	490,613	4,575,114
2023	1,503,139	29.4	441,923	4,053,680	30.6	459,961	4,232,215	33.7	506,558	4,632,803
2024	1,551,991	29.4	456,285	4,100,025	30.6	474,909	4,280,602	33.7	523,021	4,685,770
2025	1,602,431	29.4	471,115	4,141,685	30.6	490,344	4,324,097	33.7	540,019	4,733,382
2026	1,654,510	29.4	486,426	4,178,059	30.6	506,280	4,362,073	33.7	557,570	4,774,952
2027	1,708,282	29.4	502,235	4,208,493	30.6	522,734	4,393,848	33.7	575,691	4,809,734
2028	1,763,801	29.4	518,557	4,232,278	30.6	539,723	4,418,681	33.7	594,401	4,836,917
2029	1,821,125	29.4	535,411	4,248,644	30.6	557,264	4,435,768	33.7	613,719	4,855,622
2030	1,880,312	29.4	552,812	4,256,757	30.6	575,375	4,444,238	33.7	633,665	4,864,894

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	14.6%	\$205,860	\$ 2,256,666	18.9%	\$266,490	\$ 2,820,789	19.2%	\$270,720	\$ 2,952,324
2022	1,455,825	14.6	212,550	2,287,582	18.9	275,151	2,859,433	19.2	279,518	2,992,770
2023	1,503,139	14.6	219,458	2,316,427	18.9	284,093	2,895,489	19.2	288,603	3,030,507
2024	1,551,991	14.6	226,591	2,342,911	18.9	293,326	2,928,593	19.2	297,982	3,065,155
2025	1,602,431	14.6	233,955	2,366,717	18.9	302,859	2,958,350	19.2	307,667	3,096,300
2026	1,654,510	14.6	241,558	2,387,502	18.9	312,702	2,984,331	19.2	317,666	3,123,493
2027	1,708,282	14.6	249,409	2,404,893	18.9	322,865	3,006,070	19.2	327,990	3,146,246
2028	1,763,801	14.6	257,515	2,418,485	18.9	333,358	3,023,059	19.2	338,650	3,164,028
2029	1,821,125	14.6	265,884	2,427,837	18.9	344,193	3,034,749	19.2	349,656	3,176,263
2030	1,880,312	14.6	274,526	2,432,473	18.9	355,379	3,040,544	19.2	361,020	3,182,328

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	22.4%	\$315,840	\$ 3,342,551	23.2%	\$327,120	\$ 3,384,979	25.5%	\$359,550	\$ 3,732,819
2022	1,455,825	22.4	326,105	3,388,343	23.2	337,751	3,431,353	25.5	371,235	3,783,958
2023	1,503,139	22.4	336,703	3,431,068	23.2	348,728	3,474,620	25.5	383,300	3,831,671
2024	1,551,991	22.4	347,646	3,470,295	23.2	360,062	3,514,345	25.5	395,758	3,875,478
2025	1,602,431	22.4	358,945	3,505,556	23.2	371,764	3,550,054	25.5	408,620	3,914,856
2026	1,654,510	22.4	370,610	3,536,343	23.2	383,846	3,581,232	25.5	421,900	3,949,238
2027	1,708,282	22.4	382,655	3,562,103	23.2	396,321	3,607,319	25.5	435,612	3,978,006
2028	1,763,801	22.4	395,091	3,582,235	23.2	409,202	3,627,706	25.5	449,769	4,000,488
2029	1,821,125	22.4	407,932	3,596,088	23.2	422,501	3,641,734	25.5	464,387	4,015,958
2030	1,880,312	22.4	421,190	3,602,955	23.2	436,232	3,648,688	25.5	479,480	4,023,626

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	27.5%	\$387,750	\$ 3,949,100	28.7%	\$404,670	\$ 4,123,029	31.8%	\$448,380	\$ 4,513,283
2022	1,455,825	27.5	400,352	4,003,202	28.7	417,822	4,179,514	31.8	462,952	4,575,114
2023	1,503,139	27.5	413,363	4,053,680	28.7	431,401	4,232,215	31.8	477,998	4,632,803
2024	1,551,991	27.5	426,798	4,100,025	28.7	445,421	4,280,602	31.8	493,533	4,685,770
2025	1,602,431	27.5	440,669	4,141,685	28.7	459,898	4,324,097	31.8	509,573	4,733,382
2026	1,654,510	27.5	454,990	4,178,059	28.7	474,844	4,362,073	31.8	526,134	4,774,952
2027	1,708,282	27.5	469,778	4,208,493	28.7	490,277	4,393,848	31.8	543,234	4,809,734
2028	1,763,801	27.5	485,045	4,232,278	28.7	506,211	4,418,681	31.8	560,889	4,836,917
2029	1,821,125	27.5	500,809	4,248,644	28.7	522,663	4,435,768	31.8	579,118	4,855,622
2030	1,880,312	27.5	517,086	4,256,757	28.7	539,650	4,444,238	31.8	597,939	4,864,894

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	12.7%	\$179,070	\$ 2,256,666	17.0%	\$239,700	\$ 2,820,789	17.3%	\$243,930	\$ 2,952,324
2022	1,455,825	12.7	184,890	2,287,582	17.0	247,490	2,859,433	17.3	251,858	2,992,770
2023	1,503,139	12.7	190,899	2,316,427	17.0	255,534	2,895,489	17.3	260,043	3,030,507
2024	1,551,991	12.7	197,103	2,342,911	17.0	263,838	2,928,593	17.3	268,494	3,065,155
2025	1,602,431	12.7	203,509	2,366,717	17.0	272,413	2,958,350	17.3	277,221	3,096,300
2026	1,654,510	12.7	210,123	2,387,502	17.0	281,267	2,984,331	17.3	286,230	3,123,493
2027	1,708,282	12.7	216,952	2,404,893	17.0	290,408	3,006,070	17.3	295,533	3,146,246
2028	1,763,801	12.7	224,003	2,418,485	17.0	299,846	3,023,059	17.3	305,138	3,164,028
2029	1,821,125	12.7	231,283	2,427,837	17.0	309,591	3,034,749	17.3	315,055	3,176,263
2030	1,880,312	12.7	238,800	2,432,473	17.0	319,653	3,040,544	17.3	325,294	3,182,328

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	20.5%	\$289,050	\$ 3,342,551	21.3%	\$300,330	\$ 3,384,979	23.6%	\$332,760	\$ 3,732,819
2022	1,455,825	20.5	298,444	3,388,343	21.3	310,091	3,431,353	23.6	343,575	3,783,958
2023	1,503,139	20.5	308,143	3,431,068	21.3	320,169	3,474,620	23.6	354,741	3,831,671
2024	1,551,991	20.5	318,158	3,470,295	21.3	330,574	3,514,345	23.6	366,270	3,875,478
2025	1,602,431	20.5	328,498	3,505,556	21.3	341,318	3,550,054	23.6	378,174	3,914,856
2026	1,654,510	20.5	339,175	3,536,343	21.3	352,411	3,581,232	23.6	390,464	3,949,238
2027	1,708,282	20.5	350,198	3,562,103	21.3	363,864	3,607,319	23.6	403,155	3,978,006
2028	1,763,801	20.5	361,579	3,582,235	21.3	375,690	3,627,706	23.6	416,257	4,000,488
2029	1,821,125	20.5	373,331	3,596,088	21.3	387,900	3,641,734	23.6	429,786	4,015,958
2030	1,880,312	20.5	385,464	3,602,955	21.3	400,506	3,648,688	23.6	443,754	4,023,626

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	25.6%	\$360,960	\$ 3,949,100	26.8%	\$377,880	\$ 4,123,029	29.9%	\$421,590	\$ 4,513,283
2022	1,455,825	25.6	372,691	4,003,202	26.8	390,161	4,179,514	29.9	435,292	4,575,114
2023	1,503,139	25.6	384,804	4,053,680	26.8	402,841	4,232,215	29.9	449,439	4,632,803
2024	1,551,991	25.6	397,310	4,100,025	26.8	415,934	4,280,602	29.9	464,045	4,685,770
2025	1,602,431	25.6	410,222	4,141,685	26.8	429,452	4,324,097	29.9	479,127	4,733,382
2026	1,654,510	25.6	423,555	4,178,059	26.8	443,409	4,362,073	29.9	494,698	4,774,952
2027	1,708,282	25.6	437,320	4,208,493	26.8	457,820	4,393,848	29.9	510,776	4,809,734
2028	1,763,801	25.6	451,533	4,232,278	26.8	472,699	4,418,681	29.9	527,376	4,836,917
2029	1,821,125	25.6	466,208	4,248,644	26.8	488,062	4,435,768	29.9	544,516	4,855,622
2030	1,880,312	25.6	481,360	4,256,757	26.8	503,924	4,444,238	29.9	562,213	4,864,894

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	18.9%	\$266,490	\$ 2,382,056	23.3%	\$328,530	\$ 2,977,560	24.9%	\$351,090	\$ 3,338,291
2022	1,455,825	18.9	275,151	2,414,690	23.3	339,207	3,018,352	24.9	362,500	3,384,025
2023	1,503,139	18.9	284,093	2,445,138	23.3	350,231	3,056,412	24.9	374,282	3,426,695
2024	1,551,991	18.9	293,326	2,473,093	23.3	361,614	3,091,356	24.9	386,446	3,465,872
2025	1,602,431	18.9	302,859	2,498,222	23.3	373,366	3,122,767	24.9	399,005	3,501,088
2026	1,654,510	18.9	312,702	2,520,162	23.3	385,501	3,150,192	24.9	411,973	3,531,836
2027	1,708,282	18.9	322,865	2,538,520	23.3	398,030	3,173,139	24.9	425,362	3,557,563
2028	1,763,801	18.9	333,358	2,552,867	23.3	410,966	3,191,073	24.9	439,186	3,577,669
2029	1,821,125	18.9	344,193	2,562,739	23.3	424,322	3,203,413	24.9	453,460	3,591,504
2030	1,880,312	18.9	355,379	2,567,632	23.3	438,113	3,209,530	24.9	468,198	3,598,362

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	27.9%	\$393,390	\$ 3,694,723	27.8%	\$391,980	\$ 3,573,084	30.8%	\$434,280	\$ 4,051,205
2022	1,455,825	27.9	406,175	3,745,340	27.8	404,719	3,622,035	30.8	448,394	4,106,706
2023	1,503,139	27.9	419,376	3,792,566	27.8	417,873	3,667,707	30.8	462,967	4,158,489
2024	1,551,991	27.9	433,005	3,835,926	27.8	431,453	3,709,640	30.8	478,013	4,206,033
2025	1,602,431	27.9	447,078	3,874,903	27.8	445,476	3,747,333	30.8	493,549	4,248,770
2026	1,654,510	27.9	461,608	3,908,934	27.8	459,954	3,780,243	30.8	509,589	4,286,084
2027	1,708,282	27.9	476,611	3,937,408	27.8	474,902	3,807,780	30.8	526,151	4,317,305
2028	1,763,801	27.9	492,100	3,959,661	27.8	490,337	3,829,300	30.8	543,251	4,341,705
2029	1,821,125	27.9	508,094	3,974,973	27.8	506,273	3,844,108	30.8	560,907	4,358,495
2030	1,880,312	27.9	524,607	3,982,563	27.8	522,727	3,851,448	30.8	579,136	4,366,817

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	32.2%	\$454,020	\$ 4,168,581	33.7%	\$475,170	\$ 4,407,694	36.6%	\$516,060	\$ 4,764,120
2022	1,455,825	32.2	468,776	4,225,690	33.7	490,613	4,468,079	36.6	532,832	4,829,388
2023	1,503,139	32.2	484,011	4,278,973	33.7	506,558	4,524,419	36.6	550,149	4,890,284
2024	1,551,991	32.2	499,741	4,327,894	33.7	523,021	4,576,146	36.6	568,029	4,946,194
2025	1,602,431	32.2	515,983	4,371,869	33.7	540,019	4,622,644	36.6	586,490	4,996,452
2026	1,654,510	32.2	532,752	4,410,264	33.7	557,570	4,663,242	36.6	605,551	5,040,333
2027	1,708,282	32.2	550,067	4,442,390	33.7	575,691	4,697,211	36.6	625,231	5,077,049
2028	1,763,801	32.2	567,944	4,467,497	33.7	594,401	4,723,758	36.6	645,551	5,105,743
2029	1,821,125	32.2	586,402	4,484,773	33.7	613,719	4,742,025	36.6	666,532	5,125,487
2030	1,880,312	32.2	605,460	4,493,337	33.7	633,665	4,751,080	36.6	688,194	5,135,274

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	17.0%	\$239,700	\$ 2,382,056	21.4%	\$301,740	\$ 2,977,560	23.0%	\$324,300	\$ 3,338,291
2022	1,455,825	17.0	247,490	2,414,690	21.4	311,547	3,018,352	23.0	334,840	3,384,025
2023	1,503,139	17.0	255,534	2,445,138	21.4	321,672	3,056,412	23.0	345,722	3,426,695
2024	1,551,991	17.0	263,838	2,473,093	21.4	332,126	3,091,356	23.0	356,958	3,465,872
2025	1,602,431	17.0	272,413	2,498,222	21.4	342,920	3,122,767	23.0	368,559	3,501,088
2026	1,654,510	17.0	281,267	2,520,162	21.4	354,065	3,150,192	23.0	380,537	3,531,836
2027	1,708,282	17.0	290,408	2,538,520	21.4	365,572	3,173,139	23.0	392,905	3,557,563
2028	1,763,801	17.0	299,846	2,552,867	21.4	377,453	3,191,073	23.0	405,674	3,577,669
2029	1,821,125	17.0	309,591	2,562,739	21.4	389,721	3,203,413	23.0	418,859	3,591,504
2030	1,880,312	17.0	319,653	2,567,632	21.4	402,387	3,209,530	23.0	432,472	3,598,362

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	26.0%	\$366,600	\$ 3,694,723	25.9%	\$365,190	\$ 3,573,084	28.9%	\$407,490	\$ 4,051,205
2022	1,455,825	26.0	378,515	3,745,340	25.9	377,059	3,622,035	28.9	420,733	4,106,706
2023	1,503,139	26.0	390,816	3,792,566	25.9	389,313	3,667,707	28.9	434,407	4,158,489
2024	1,551,991	26.0	403,518	3,835,926	25.9	401,966	3,709,640	28.9	448,525	4,206,033
2025	1,602,431	26.0	416,632	3,874,903	25.9	415,030	3,747,333	28.9	463,103	4,248,770
2026	1,654,510	26.0	430,173	3,908,934	25.9	428,518	3,780,243	28.9	478,153	4,286,084
2027	1,708,282	26.0	444,153	3,937,408	25.9	442,445	3,807,780	28.9	493,693	4,317,305
2028	1,763,801	26.0	458,588	3,959,661	25.9	456,824	3,829,300	28.9	509,738	4,341,705
2029	1,821,125	26.0	473,493	3,974,973	25.9	471,671	3,844,108	28.9	526,305	4,358,495
2030	1,880,312	26.0	488,881	3,982,563	25.9	487,001	3,851,448	28.9	543,410	4,366,817

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	30.3%	\$427,230	\$ 4,168,581	31.8%	\$448,380	\$ 4,407,694	34.7%	\$489,270	\$ 4,764,120
2022	1,455,825	30.3	441,115	4,225,690	31.8	462,952	4,468,079	34.7	505,171	4,829,388
2023	1,503,139	30.3	455,451	4,278,973	31.8	477,998	4,524,419	34.7	521,589	4,890,284
2024	1,551,991	30.3	470,253	4,327,894	31.8	493,533	4,576,146	34.7	538,541	4,946,194
2025	1,602,431	30.3	485,537	4,371,869	31.8	509,573	4,622,644	34.7	556,044	4,996,452
2026	1,654,510	30.3	501,317	4,410,264	31.8	526,134	4,663,242	34.7	574,115	5,040,333
2027	1,708,282	30.3	517,609	4,442,390	31.8	543,234	4,697,211	34.7	592,774	5,077,049
2028	1,763,801	30.3	534,432	4,467,497	31.8	560,889	4,723,758	34.7	612,039	5,105,743
2029	1,821,125	30.3	551,801	4,484,773	31.8	579,118	4,742,025	34.7	631,930	5,125,487
2030	1,880,312	30.3	569,735	4,493,337	31.8	597,939	4,751,080	34.7	652,468	5,135,274

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	15.1%	\$212,910	\$ 2,382,056	19.5%	\$274,950	\$ 2,977,560	21.1%	\$297,510	\$ 3,338,291
2022	1,455,825	15.1	219,830	2,414,690	19.5	283,886	3,018,352	21.1	307,179	3,384,025
2023	1,503,139	15.1	226,974	2,445,138	19.5	293,112	3,056,412	21.1	317,162	3,426,695
2024	1,551,991	15.1	234,351	2,473,093	19.5	302,638	3,091,356	21.1	327,470	3,465,872
2025	1,602,431	15.1	241,967	2,498,222	19.5	312,474	3,122,767	21.1	338,113	3,501,088
2026	1,654,510	15.1	249,831	2,520,162	19.5	322,629	3,150,192	21.1	349,102	3,531,836
2027	1,708,282	15.1	257,951	2,538,520	19.5	333,115	3,173,139	21.1	360,448	3,557,563
2028	1,763,801	15.1	266,334	2,552,867	19.5	343,941	3,191,073	21.1	372,162	3,577,669
2029	1,821,125	15.1	274,990	2,562,739	19.5	355,119	3,203,413	21.1	384,257	3,591,504
2030	1,880,312	15.1	283,927	2,567,632	19.5	366,661	3,209,530	21.1	396,746	3,598,362

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	24.1%	\$339,810	\$ 3,694,723	24.0%	\$338,400	\$ 3,573,084	27.0%	\$380,700	\$ 4,051,205
2022	1,455,825	24.1	350,854	3,745,340	24.0	349,398	3,622,035	27.0	393,073	4,106,706
2023	1,503,139	24.1	362,256	3,792,566	24.0	360,753	3,667,707	27.0	405,848	4,158,489
2024	1,551,991	24.1	374,030	3,835,926	24.0	372,478	3,709,640	27.0	419,038	4,206,033
2025	1,602,431	24.1	386,186	3,874,903	24.0	384,583	3,747,333	27.0	432,656	4,248,770
2026	1,654,510	24.1	398,737	3,908,934	24.0	397,082	3,780,243	27.0	446,718	4,286,084
2027	1,708,282	24.1	411,696	3,937,408	24.0	409,988	3,807,780	27.0	461,236	4,317,305
2028	1,763,801	24.1	425,076	3,959,661	24.0	423,312	3,829,300	27.0	476,226	4,341,705
2029	1,821,125	24.1	438,891	3,974,973	24.0	437,070	3,844,108	27.0	491,704	4,358,495
2030	1,880,312	24.1	453,155	3,982,563	24.0	451,275	3,851,448	27.0	507,684	4,366,817

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	28.4%	\$400,440	\$ 4,168,581	29.9%	\$421,590	\$ 4,407,694	32.8%	\$462,480	\$ 4,764,120
2022	1,455,825	28.4	413,454	4,225,690	29.9	435,292	4,468,079	32.8	477,511	4,829,388
2023	1,503,139	28.4	426,891	4,278,973	29.9	449,439	4,524,419	32.8	493,030	4,890,284
2024	1,551,991	28.4	440,765	4,327,894	29.9	464,045	4,576,146	32.8	509,053	4,946,194
2025	1,602,431	28.4	455,090	4,371,869	29.9	479,127	4,622,644	32.8	525,597	4,996,452
2026	1,654,510	28.4	469,881	4,410,264	29.9	494,698	4,663,242	32.8	542,679	5,040,333
2027	1,708,282	28.4	485,152	4,442,390	29.9	510,776	4,697,211	32.8	560,316	5,077,049
2028	1,763,801	28.4	500,919	4,467,497	29.9	527,376	4,723,758	32.8	578,527	5,105,743
2029	1,821,125	28.4	517,200	4,484,773	29.9	544,516	4,742,025	32.8	597,329	5,125,487
2030	1,880,312	28.4	534,009	4,493,337	29.9	562,213	4,751,080	32.8	616,742	5,135,274

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	13.2%	\$186,120	\$ 2,382,056	17.6%	\$248,160	\$ 2,977,560	19.2%	\$270,720	\$ 3,338,291
2022	1,455,825	13.2	192,169	2,414,690	17.6	256,225	3,018,352	19.2	279,518	3,384,025
2023	1,503,139	13.2	198,414	2,445,138	17.6	264,552	3,056,412	19.2	288,603	3,426,695
2024	1,551,991	13.2	204,863	2,473,093	17.6	273,150	3,091,356	19.2	297,982	3,465,872
2025	1,602,431	13.2	211,521	2,498,222	17.6	282,028	3,122,767	19.2	307,667	3,501,088
2026	1,654,510	13.2	218,395	2,520,162	17.6	291,194	3,150,192	19.2	317,666	3,531,836
2027	1,708,282	13.2	225,493	2,538,520	17.6	300,658	3,173,139	19.2	327,990	3,557,563
2028	1,763,801	13.2	232,822	2,552,867	17.6	310,429	3,191,073	19.2	338,650	3,577,669
2029	1,821,125	13.2	240,389	2,562,739	17.6	320,518	3,203,413	19.2	349,656	3,591,504
2030	1,880,312	13.2	248,201	2,567,632	17.6	330,935	3,209,530	19.2	361,020	3,598,362

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	22.2%	\$313,020	\$ 3,694,723	22.1%	\$311,610	\$ 3,573,084	25.1%	\$353,910	\$ 4,051,205
2022	1,455,825	22.2	323,193	3,745,340	22.1	321,737	3,622,035	25.1	365,412	4,106,706
2023	1,503,139	22.2	333,697	3,792,566	22.1	332,194	3,667,707	25.1	377,288	4,158,489
2024	1,551,991	22.2	344,542	3,835,926	22.1	342,990	3,709,640	25.1	389,550	4,206,033
2025	1,602,431	22.2	355,740	3,874,903	22.1	354,137	3,747,333	25.1	402,210	4,248,770
2026	1,654,510	22.2	367,301	3,908,934	22.1	365,647	3,780,243	25.1	415,282	4,286,084
2027	1,708,282	22.2	379,239	3,937,408	22.1	377,530	3,807,780	25.1	428,779	4,317,305
2028	1,763,801	22.2	391,564	3,959,661	22.1	389,800	3,829,300	25.1	442,714	4,341,705
2029	1,821,125	22.2	404,290	3,974,973	22.1	402,469	3,844,108	25.1	457,102	4,358,495
2030	1,880,312	22.2	417,429	3,982,563	22.1	415,549	3,851,448	25.1	471,958	4,366,817

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	26.5%	\$373,650	\$ 4,168,581	28.0%	\$394,800	\$ 4,407,694	30.9%	\$435,690	\$ 4,764,120
2022	1,455,825	26.5	385,794	4,225,690	28.0	407,631	4,468,079	30.9	449,850	4,829,388
2023	1,503,139	26.5	398,332	4,278,973	28.0	420,879	4,524,419	30.9	464,470	4,890,284
2024	1,551,991	26.5	411,278	4,327,894	28.0	434,557	4,576,146	30.9	479,565	4,946,194
2025	1,602,431	26.5	424,644	4,371,869	28.0	448,681	4,622,644	30.9	495,151	4,996,452
2026	1,654,510	26.5	438,445	4,410,264	28.0	463,263	4,663,242	30.9	511,244	5,040,333
2027	1,708,282	26.5	452,695	4,442,390	28.0	478,319	4,697,211	30.9	527,859	5,077,049
2028	1,763,801	26.5	467,407	4,467,497	28.0	493,864	4,723,758	30.9	545,015	5,105,743
2029	1,821,125	26.5	482,598	4,484,773	28.0	509,915	4,742,025	30.9	562,728	5,125,487
2030	1,880,312	26.5	498,283	4,493,337	28.0	526,487	4,751,080	30.9	581,016	5,135,274

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	19.5%	\$274,950	\$ 2,466,753	24.1%	\$339,810	\$ 3,083,346	25.7%	\$362,370	\$ 3,457,791
2022	1,455,825	19.5	283,886	2,500,547	24.1	350,854	3,125,587	25.7	374,147	3,505,162
2023	1,503,139	19.5	293,112	2,532,077	24.1	362,256	3,164,999	25.7	386,307	3,549,360
2024	1,551,991	19.5	302,638	2,561,026	24.1	374,030	3,201,184	25.7	398,862	3,589,940
2025	1,602,431	19.5	312,474	2,587,048	24.1	386,186	3,233,711	25.7	411,825	3,626,417
2026	1,654,510	19.5	322,629	2,609,768	24.1	398,737	3,262,111	25.7	425,209	3,658,265
2027	1,708,282	19.5	333,115	2,628,778	24.1	411,696	3,285,873	25.7	439,028	3,684,913
2028	1,763,801	19.5	343,941	2,643,635	24.1	425,076	3,304,444	25.7	453,297	3,705,739
2029	1,821,125	19.5	355,119	2,653,858	24.1	438,891	3,317,222	25.7	468,029	3,720,069
2030	1,880,312	19.5	366,661	2,658,925	24.1	453,155	3,323,556	25.7	483,240	3,727,172

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	28.8%	\$406,080	\$ 3,826,669	28.7%	\$404,670	\$ 3,700,077	31.8%	\$448,380	\$ 4,195,613
2022	1,455,825	28.8	419,278	3,879,094	28.7	417,822	3,750,767	31.8	462,952	4,253,092
2023	1,503,139	28.8	432,904	3,928,007	28.7	431,401	3,798,062	31.8	477,998	4,306,721
2024	1,551,991	28.8	446,973	3,972,916	28.7	445,421	3,841,485	31.8	493,533	4,355,959
2025	1,602,431	28.8	461,500	4,013,284	28.7	459,898	3,880,518	31.8	509,573	4,400,220
2026	1,654,510	28.8	476,499	4,048,530	28.7	474,844	3,914,598	31.8	526,134	4,438,864
2027	1,708,282	28.8	491,985	4,078,021	28.7	490,277	3,943,113	31.8	543,234	4,471,198
2028	1,763,801	28.8	507,975	4,101,069	28.7	506,211	3,965,398	31.8	560,889	4,496,468
2029	1,821,125	28.8	524,484	4,116,928	28.7	522,663	3,980,732	31.8	579,118	4,513,856
2030	1,880,312	28.8	541,530	4,124,789	28.7	539,650	3,988,333	31.8	597,939	4,522,475

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	33.3%	\$469,530	\$ 4,316,713	34.9%	\$492,090	\$ 4,564,471	37.9%	\$534,390	\$ 4,933,437
2022	1,455,825	33.3	484,790	4,375,851	34.9	508,083	4,627,004	37.9	551,758	5,001,024
2023	1,503,139	33.3	500,545	4,431,028	34.9	524,596	4,685,348	37.9	569,690	5,064,084
2024	1,551,991	33.3	516,813	4,481,688	34.9	541,645	4,738,915	37.9	588,205	5,121,981
2025	1,602,431	33.3	533,610	4,527,226	34.9	559,248	4,787,067	37.9	607,321	5,174,025
2026	1,654,510	33.3	550,952	4,566,986	34.9	577,424	4,829,109	37.9	627,059	5,219,465
2027	1,708,282	33.3	568,858	4,600,253	34.9	596,190	4,864,286	37.9	647,439	5,257,485
2028	1,763,801	33.3	587,346	4,626,252	34.9	615,567	4,891,777	37.9	668,481	5,287,199
2029	1,821,125	33.3	606,435	4,644,142	34.9	635,573	4,910,694	37.9	690,206	5,307,645
2030	1,880,312	33.3	626,144	4,653,010	34.9	656,229	4,920,071	37.9	712,638	5,317,780

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	17.6%	\$248,160	\$ 2,466,753	22.2%	\$313,020	\$ 3,083,346	23.8%	\$335,580	\$ 3,457,791
2022	1,455,825	17.6	256,225	2,500,547	22.2	323,193	3,125,587	23.8	346,486	3,505,162
2023	1,503,139	17.6	264,552	2,532,077	22.2	333,697	3,164,999	23.8	357,747	3,549,360
2024	1,551,991	17.6	273,150	2,561,026	22.2	344,542	3,201,184	23.8	369,374	3,589,940
2025	1,602,431	17.6	282,028	2,587,048	22.2	355,740	3,233,711	23.8	381,379	3,626,417
2026	1,654,510	17.6	291,194	2,609,768	22.2	367,301	3,262,111	23.8	393,773	3,658,265
2027	1,708,282	17.6	300,658	2,628,778	22.2	379,239	3,285,873	23.8	406,571	3,684,913
2028	1,763,801	17.6	310,429	2,643,635	22.2	391,564	3,304,444	23.8	419,785	3,705,739
2029	1,821,125	17.6	320,518	2,653,858	22.2	404,290	3,317,222	23.8	433,428	3,720,069
2030	1,880,312	17.6	330,935	2,658,925	22.2	417,429	3,323,556	23.8	447,514	3,727,172

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	26.9%	\$379,290	\$ 3,826,669	26.8%	\$377,880	\$ 3,700,077	29.9%	\$421,590	\$ 4,195,613
2022	1,455,825	26.9	391,617	3,879,094	26.8	390,161	3,750,767	29.9	435,292	4,253,092
2023	1,503,139	26.9	404,344	3,928,007	26.8	402,841	3,798,062	29.9	449,439	4,306,721
2024	1,551,991	26.9	417,486	3,972,916	26.8	415,934	3,841,485	29.9	464,045	4,355,959
2025	1,602,431	26.9	431,054	4,013,284	26.8	429,452	3,880,518	29.9	479,127	4,400,220
2026	1,654,510	26.9	445,063	4,048,530	26.8	443,409	3,914,598	29.9	494,698	4,438,864
2027	1,708,282	26.9	459,528	4,078,021	26.8	457,820	3,943,113	29.9	510,776	4,471,198
2028	1,763,801	26.9	474,462	4,101,069	26.8	472,699	3,965,398	29.9	527,376	4,496,468
2029	1,821,125	26.9	489,883	4,116,928	26.8	488,062	3,980,732	29.9	544,516	4,513,856
2030	1,880,312	26.9	505,804	4,124,789	26.8	503,924	3,988,333	29.9	562,213	4,522,475

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	31.4%	\$442,740	\$ 4,316,713	33.0%	\$465,300	\$ 4,564,471	36.0%	\$507,600	\$ 4,933,437
2022	1,455,825	31.4	457,129	4,375,851	33.0	480,422	4,627,004	36.0	524,097	5,001,024
2023	1,503,139	31.4	471,986	4,431,028	33.0	496,036	4,685,348	36.0	541,130	5,064,084
2024	1,551,991	31.4	487,325	4,481,688	33.0	512,157	4,738,915	36.0	558,717	5,121,981
2025	1,602,431	31.4	503,163	4,527,226	33.0	528,802	4,787,067	36.0	576,875	5,174,025
2026	1,654,510	31.4	519,516	4,566,986	33.0	545,988	4,829,109	36.0	595,624	5,219,465
2027	1,708,282	31.4	536,401	4,600,253	33.0	563,733	4,864,286	36.0	614,982	5,257,485
2028	1,763,801	31.4	553,834	4,626,252	33.0	582,054	4,891,777	36.0	634,968	5,287,199
2029	1,821,125	31.4	571,833	4,644,142	33.0	600,971	4,910,694	36.0	655,605	5,307,645
2030	1,880,312	31.4	590,418	4,653,010	33.0	620,503	4,920,071	36.0	676,912	5,317,780

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	15.7%	\$221,370	\$ 2,466,753	20.3%	\$286,230	\$ 3,083,346	21.9%	\$308,790	\$ 3,457,791
2022	1,455,825	15.7	228,565	2,500,547	20.3	295,532	3,125,587	21.9	318,826	3,505,162
2023	1,503,139	15.7	235,993	2,532,077	20.3	305,137	3,164,999	21.9	329,187	3,549,360
2024	1,551,991	15.7	243,663	2,561,026	20.3	315,054	3,201,184	21.9	339,886	3,589,940
2025	1,602,431	15.7	251,582	2,587,048	20.3	325,293	3,233,711	21.9	350,932	3,626,417
2026	1,654,510	15.7	259,758	2,609,768	20.3	335,866	3,262,111	21.9	362,338	3,658,265
2027	1,708,282	15.7	268,200	2,628,778	20.3	346,781	3,285,873	21.9	374,114	3,684,913
2028	1,763,801	15.7	276,917	2,643,635	20.3	358,052	3,304,444	21.9	386,272	3,705,739
2029	1,821,125	15.7	285,917	2,653,858	20.3	369,688	3,317,222	21.9	398,826	3,720,069
2030	1,880,312	15.7	295,209	2,658,925	20.3	381,703	3,323,556	21.9	411,788	3,727,172

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	25.0%	\$352,500	\$ 3,826,669	24.9%	\$351,090	\$ 3,700,077	28.0%	\$394,800	\$ 4,195,613
2022	1,455,825	25.0	363,956	3,879,094	24.9	362,500	3,750,767	28.0	407,631	4,253,092
2023	1,503,139	25.0	375,785	3,928,007	24.9	374,282	3,798,062	28.0	420,879	4,306,721
2024	1,551,991	25.0	387,998	3,972,916	24.9	386,446	3,841,485	28.0	434,557	4,355,959
2025	1,602,431	25.0	400,608	4,013,284	24.9	399,005	3,880,518	28.0	448,681	4,400,220
2026	1,654,510	25.0	413,628	4,048,530	24.9	411,973	3,914,598	28.0	463,263	4,438,864
2027	1,708,282	25.0	427,071	4,078,021	24.9	425,362	3,943,113	28.0	478,319	4,471,198
2028	1,763,801	25.0	440,950	4,101,069	24.9	439,186	3,965,398	28.0	493,864	4,496,468
2029	1,821,125	25.0	455,281	4,116,928	24.9	453,460	3,980,732	28.0	509,915	4,513,856
2030	1,880,312	25.0	470,078	4,124,789	24.9	468,198	3,988,333	28.0	526,487	4,522,475

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	29.5%	\$415,950	\$ 4,316,713	31.1%	\$438,510	\$ 4,564,471	34.1%	\$480,810	\$ 4,933,437
2022	1,455,825	29.5	429,468	4,375,851	31.1	452,762	4,627,004	34.1	496,436	5,001,024
2023	1,503,139	29.5	443,426	4,431,028	31.1	467,476	4,685,348	34.1	512,570	5,064,084
2024	1,551,991	29.5	457,837	4,481,688	31.1	482,669	4,738,915	34.1	529,229	5,121,981
2025	1,602,431	29.5	472,717	4,527,226	31.1	498,356	4,787,067	34.1	546,429	5,174,025
2026	1,654,510	29.5	488,080	4,566,986	31.1	514,553	4,829,109	34.1	564,188	5,219,465
2027	1,708,282	29.5	503,943	4,600,253	31.1	531,276	4,864,286	34.1	582,524	5,257,485
2028	1,763,801	29.5	520,321	4,626,252	31.1	548,542	4,891,777	34.1	601,456	5,287,199
2029	1,821,125	29.5	537,232	4,644,142	31.1	566,370	4,910,694	34.1	621,004	5,307,645
2030	1,880,312	29.5	554,692	4,653,010	31.1	584,777	4,920,071	34.1	641,186	5,317,780

Notes regarding the above projections:

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



Mid-County Fire Protection District - Fire

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

Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	13.8%	\$194,580	\$ 2,466,753	18.4%	\$259,440	\$ 3,083,346	20.0%	\$282,000	\$ 3,457,791
2022	1,455,825	13.8	200,904	2,500,547	18.4	267,872	3,125,587	20.0	291,165	3,505,162
2023	1,503,139	13.8	207,433	2,532,077	18.4	276,578	3,164,999	20.0	300,628	3,549,360
2024	1,551,991	13.8	214,175	2,561,026	18.4	285,566	3,201,184	20.0	310,398	3,589,940
2025	1,602,431	13.8	221,135	2,587,048	18.4	294,847	3,233,711	20.0	320,486	3,626,417
2026	1,654,510	13.8	228,322	2,609,768	18.4	304,430	3,262,111	20.0	330,902	3,658,265
2027	1,708,282	13.8	235,743	2,628,778	18.4	314,324	3,285,873	20.0	341,656	3,684,913
2028	1,763,801	13.8	243,405	2,643,635	18.4	324,539	3,304,444	20.0	352,760	3,705,739
2029	1,821,125	13.8	251,315	2,653,858	18.4	335,087	3,317,222	20.0	364,225	3,720,069
2030	1,880,312	13.8	259,483	2,658,925	18.4	345,977	3,323,556	20.0	376,062	3,727,172

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	23.1%	\$325,710	\$ 3,826,669	23.0%	\$324,300	\$ 3,700,077	26.1%	\$368,010	\$ 4,195,613
2022	1,455,825	23.1	336,296	3,879,094	23.0	334,840	3,750,767	26.1	379,970	4,253,092
2023	1,503,139	23.1	347,225	3,928,007	23.0	345,722	3,798,062	26.1	392,319	4,306,721
2024	1,551,991	23.1	358,510	3,972,916	23.0	356,958	3,841,485	26.1	405,070	4,355,959
2025	1,602,431	23.1	370,162	4,013,284	23.0	368,559	3,880,518	26.1	418,234	4,400,220
2026	1,654,510	23.1	382,192	4,048,530	23.0	380,537	3,914,598	26.1	431,827	4,438,864
2027	1,708,282	23.1	394,613	4,078,021	23.0	392,905	3,943,113	26.1	445,862	4,471,198
2028	1,763,801	23.1	407,438	4,101,069	23.0	405,674	3,965,398	26.1	460,352	4,496,468
2029	1,821,125	23.1	420,680	4,116,928	23.0	418,859	3,980,732	26.1	475,314	4,513,856
2030	1,880,312	23.1	434,352	4,124,789	23.0	432,472	3,988,333	26.1	490,761	4,522,475

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2021	\$ 1,410,000	27.6%	\$389,160	\$ 4,316,713	29.2%	\$411,720	\$ 4,564,471	32.2%	\$454,020	\$ 4,933,437
2022	1,455,825	27.6	401,808	4,375,851	29.2	425,101	4,627,004	32.2	468,776	5,001,024
2023	1,503,139	27.6	414,866	4,431,028	29.2	438,917	4,685,348	32.2	484,011	5,064,084
2024	1,551,991	27.6	428,350	4,481,688	29.2	453,181	4,738,915	32.2	499,741	5,121,981
2025	1,602,431	27.6	442,271	4,527,226	29.2	467,910	4,787,067	32.2	515,983	5,174,025
2026	1,654,510	27.6	456,645	4,566,986	29.2	483,117	4,829,109	32.2	532,752	5,219,465
2027	1,708,282	27.6	471,486	4,600,253	29.2	498,818	4,864,286	32.2	550,067	5,257,485
2028	1,763,801	27.6	486,809	4,626,252	29.2	515,030	4,891,777	32.2	567,944	5,287,199
2029	1,821,125	27.6	502,631	4,644,142	29.2	531,769	4,910,694	32.2	586,402	5,307,645
2030	1,880,312	27.6	518,966	4,653,010	29.2	549,051	4,920,071	32.2	605,460	5,317,780

Notes regarding the above projections:

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

