



The Initial Valuation For  
**City of Branson West**  
as of May 31, 2022



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July 21, 2022

City of Branson West  
Branson West, Missouri

Ladies and Gentlemen:

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

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

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

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

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

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

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

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

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

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

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

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

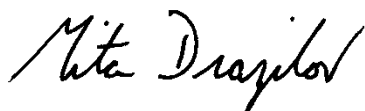
If you have any questions concerning this report or LAGERS in general, please contact the LAGERS office in Jefferson City.

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

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

The signing actuary is independent of the plan sponsor.

Respectfully submitted,  
Gabriel, Roeder, Smith & Company



Mita D. Drazilov, ASA, FCA, MAAA



## Alternate Plan Provisions Affecting Employer Contribution Rates

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

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

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

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

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

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

# City of Branson West

## Employer Contribution Rates 5 Year FAS - Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	6.30%	0.20%	4.10%	10.60%	8.70%	6.80%	4.90%
	Police	7.80	0.40	2.20	10.40	8.50	6.60	4.70
L-3	General	7.60	0.30	5.20	13.10	11.20	9.30	7.40
	Police	9.50	0.50	2.80	12.80	10.90	9.00	7.10
LT-4(65)	General	6.80	0.20	4.50	11.50	9.60	7.70	5.80
	Police	9.30	0.40	2.50	12.20	10.30	8.40	6.50
LT-5(65)	General	8.00	0.30	5.50	13.80	11.90	10.00	8.10
	Police	10.70	0.50	3.00	14.20	12.30	10.40	8.50
L-7	General	9.00	0.30	6.20	15.50	13.60	11.70	9.80
	Police	11.30	0.60	3.40	15.30	13.40	11.50	9.60
LT-8(65)	General	9.20	0.30	6.40	15.90	14.00	12.10	10.20
	Police	12.00	0.60	3.50	16.10	14.20	12.30	10.40
L-12	General	10.30	0.40	7.20	17.90	16.00	14.10	12.20
	Police	13.00	0.70	3.90	17.60	15.70	13.80	11.90
LT-14(65)	General	10.40	0.40	7.30	18.10	16.20	14.30	12.40
	Police	13.40	0.70	4.00	18.10	16.20	14.30	12.40
L-6	General	11.70	0.50	8.30	20.50	18.60	16.70	14.80
	Police	14.70	0.80	4.50	20.00	18.10	16.20	14.30

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

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

# City of Branson West

## Employer Contribution Rates 3 Year FAS - Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	6.50%	0.20%	4.30%	11.00%	9.10%	7.20%	5.30%
	Police	8.10	0.40	2.30	10.80	8.90	7.00	5.10
L-3	General	7.90	0.30	5.30	13.50	11.60	9.70	7.80
	Police	9.80	0.50	2.90	13.20	11.30	9.40	7.50
LT-4(65)	General	7.00	0.20	4.70	11.90	10.00	8.10	6.20
	Police	9.60	0.40	2.60	12.60	10.70	8.80	6.90
LT-5(65)	General	8.20	0.30	5.60	14.10	12.20	10.30	8.40
	Police	11.00	0.50	3.10	14.60	12.70	10.80	8.90
L-7	General	9.30	0.30	6.40	16.00	14.10	12.20	10.30
	Police	11.60	0.60	3.50	15.70	13.80	11.90	10.00
LT-8(65)	General	9.50	0.30	6.60	16.40	14.50	12.60	10.70
	Police	12.40	0.60	3.60	16.60	14.70	12.80	10.90
L-12	General	10.70	0.40	7.50	18.60	16.70	14.80	12.90
	Police	13.40	0.70	4.10	18.20	16.30	14.40	12.50
LT-14(65)	General	10.80	0.40	7.60	18.80	16.90	15.00	13.10
	Police	13.80	0.70	4.10	18.60	16.70	14.80	12.90
L-6	General	12.10	0.50	8.50	21.10	19.20	17.30	15.40
	Police	15.20	0.80	4.60	20.60	18.70	16.80	14.90

\* 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.

# City of Branson West

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

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	6.80%	0.20%	5.00%	12.00%	10.10%	8.20%	6.30%
	Police	7.90	0.40	2.30	10.60	8.70	6.80	4.90
L-3	General	8.20	0.30	6.30	14.80	12.90	11.00	9.10
	Police	9.70	0.50	2.80	13.00	11.10	9.20	7.30
LT-4(65)	General	7.90	0.20	6.70	14.80	12.90	11.00	9.10
	Police	9.60	0.40	2.60	12.60	10.70	8.80	6.90
LT-5(65)	General	9.00	0.30	7.50	16.80	14.90	13.00	11.10
	Police	10.90	0.50	3.10	14.50	12.60	10.70	8.80
L-7	General	9.70	0.30	7.60	17.60	15.70	13.80	11.90
	Police	11.40	0.60	3.40	15.40	13.50	11.60	9.70
LT-8(65)	General	10.20	0.30	8.40	18.90	17.00	15.10	13.20
	Police	12.20	0.60	3.60	16.40	14.50	12.60	10.70
L-12	General	11.10	0.40	8.80	20.30	18.40	16.50	14.60
	Police	13.20	0.70	4.00	17.90	16.00	14.10	12.20
LT-14(65)	General	11.40	0.40	9.20	21.00	19.10	17.20	15.30
	Police	13.60	0.70	4.10	18.40	16.50	14.60	12.70
L-6	General	12.60	0.50	10.10	23.20	21.30	19.40	17.50
	Police	14.90	0.80	4.50	20.20	18.30	16.40	14.50

# 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.



# City of Branson West

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

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	7.00%	0.20%	5.20%	12.40%	10.50%	8.60%	6.70%
	Police	8.20	0.40	2.40	11.00	9.10	7.20	5.30
L-3	General	8.50	0.30	6.50	15.30	13.40	11.50	9.60
	Police	10.00	0.50	2.90	13.40	11.50	9.60	7.70
LT-4(65)	General	8.10	0.20	6.90	15.20	13.30	11.40	9.50
	Police	9.90	0.40	2.70	13.00	11.10	9.20	7.30
LT-5(65)	General	9.30	0.30	7.80	17.40	15.50	13.60	11.70
	Police	11.30	0.50	3.20	15.00	13.10	11.20	9.30
L-7	General	10.00	0.30	7.80	18.10	16.20	14.30	12.40
	Police	11.80	0.60	3.50	15.90	14.00	12.10	10.20
LT-8(65)	General	10.60	0.30	8.70	19.60	17.70	15.80	13.90
	Police	12.60	0.60	3.70	16.90	15.00	13.10	11.20
L-12	General	11.50	0.40	9.10	21.00	19.10	17.20	15.30
	Police	13.60	0.70	4.10	18.40	16.50	14.60	12.70
LT-14(65)	General	11.80	0.40	9.50	21.70	19.80	17.90	16.00
	Police	14.00	0.70	4.20	18.90	17.00	15.10	13.20
L-6	General	13.00	0.50	10.40	23.90	22.00	20.10	18.20
	Police	15.40	0.80	4.70	20.90	19.00	17.10	15.20

# 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.

# City of Branson West

## 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	\$ 24,750	\$ 20,313	\$ 15,877	\$ 11,441
L-3	30,587	26,151	21,714	17,278
LT-4(65)	26,851	22,415	17,979	13,542
LT-5(65)	32,221	27,785	23,349	18,913
L-7	36,191	31,754	27,318	22,882
LT-8(65)	37,125	32,688	28,252	23,816
L-12	41,794	37,358	32,922	28,486
LT-14(65)	42,261	37,825	33,389	28,953
L-6	47,865	43,429	38,992	34,556

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 25,684	\$ 21,247	\$ 16,811	\$ 12,375
L-3	31,521	27,085	22,648	18,212
LT-4(65)	27,785	23,349	18,913	14,476
LT-5(65)	32,922	28,486	24,049	19,613
L-7	37,358	32,922	28,486	24,049
LT-8(65)	38,292	33,856	29,419	24,983
L-12	43,429	38,992	34,556	30,120
LT-14(65)	43,896	39,459	35,023	30,587
L-6	49,266	44,830	40,393	35,957

### Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 28,019	\$ 23,582	\$ 19,146	\$ 14,710
L-3	34,556	30,120	25,684	21,247
LT-4(65)	34,556	30,120	25,684	21,247
LT-5(65)	39,226	34,790	30,353	25,917
L-7	41,094	36,658	32,221	27,785
LT-8(65)	44,129	39,693	35,257	30,820
L-12	47,398	42,962	38,526	34,089
LT-14(65)	49,032	44,596	40,160	35,724
L-6	54,169	49,733	45,297	40,860

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 28,953	\$ 24,516	\$ 20,080	\$ 15,644
L-3	35,724	31,287	26,851	22,415
LT-4(65)	35,490	31,054	26,618	22,181
LT-5(65)	40,627	36,191	31,754	27,318
L-7	42,261	37,825	33,389	28,953
LT-8(65)	45,764	41,327	36,891	32,455
L-12	49,032	44,596	40,160	35,724
LT-14(65)	50,667	46,231	41,794	37,358
L-6	55,804	51,367	46,931	42,495

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

# City of Branson West

## Employer Contribution Dollars Police

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

### Regular Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 35,611	\$ 29,105	\$ 22,599	\$ 16,093
L-3	43,829	37,323	30,817	24,311
LT-4(65)	41,774	35,268	28,763	22,257
LT-5(65)	48,623	42,117	35,611	29,105
L-7	52,389	45,883	39,377	32,872
LT-8(65)	55,128	48,623	42,117	35,611
L-12	60,265	53,759	47,253	40,747
LT-14(65)	61,977	55,471	48,965	42,459
L-6	68,482	61,977	55,471	48,965

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 36,980	\$ 30,475	\$ 23,969	\$ 17,463
L-3	45,198	38,693	32,187	25,681
LT-4(65)	43,144	36,638	30,132	23,626
LT-5(65)	49,992	43,486	36,980	30,475
L-7	53,759	47,253	40,747	34,241
LT-8(65)	56,840	50,335	43,829	37,323
L-12	62,319	55,813	49,307	42,802
LT-14(65)	63,689	57,183	50,677	44,171
L-6	70,537	64,031	57,525	51,019

### Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 36,296	\$ 29,790	\$ 23,284	\$ 16,778
L-3	44,514	38,008	31,502	24,996
LT-4(65)	43,144	36,638	30,132	23,626
LT-5(65)	49,650	43,144	36,638	30,132
L-7	52,731	46,226	39,720	33,214
LT-8(65)	56,156	49,650	43,144	36,638
L-12	61,292	54,786	48,280	41,774
LT-14(65)	63,004	56,498	49,992	43,486
L-6	69,167	62,661	56,156	49,650

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 37,665	\$ 31,159	\$ 24,654	\$ 18,148
L-3	45,883	39,377	32,872	26,366
LT-4(65)	44,514	38,008	31,502	24,996
LT-5(65)	51,362	44,856	38,350	31,844
L-7	54,444	47,938	41,432	34,926
LT-8(65)	57,868	51,362	44,856	38,350
L-12	63,004	56,498	49,992	43,486
LT-14(65)	64,716	58,210	51,704	45,198
L-6	71,564	65,058	58,552	52,047

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

## City of Branson West

### Employees and Payroll Included in the Valuation

	General	Police
Number of Employees	6	8
Annual Payroll	\$ 233,488	\$ 342,412

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

## APPENDIX I

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### UNFUNDED ACTUARIAL ACCRUED LIABILITY

## Unfunded Actuarial Accrued Liability (UAAL)

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

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

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

### City of Branson West

#### Regular Retirement Eligibility

Benefit Group	Employee Group	Member Contribution Rate - 0%	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 165,453	\$ 170,888
	Police	131,308	135,910
L-3	General	206,826	213,613
	Police	164,183	169,863
LT-4(65)	General	180,947	186,911
	Police	146,227	151,365
LT-5(65)	General	218,438	225,641
	Police	175,353	181,487
L-7	General	248,131	256,356
	Police	196,978	203,810
LT-8(65)	General	255,885	264,392
	Police	204,450	211,543
L-12	General	289,525	299,047
	Police	229,833	237,843
LT-14(65)	General	293,382	303,066
	Police	233,578	241,700
L-6	General	330,899	341,801
	Police	262,655	271,819

# City of Branson West

## 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	\$ 201,306	\$ 208,406
	Police	133,147	137,828
L-3	General	251,634	260,493
	Police	166,485	172,301
LT-4(65)	General	266,385	275,911
	Police	151,023	156,340
LT-5(65)	General	300,443	311,119
	Police	179,870	186,215
L-7	General	301,932	312,610
	Police	199,729	206,718
LT-8(65)	General	334,475	346,382
	Police	208,688	216,024
L-12	General	352,269	364,701
	Police	233,051	241,241
LT-14(65)	General	368,529	381,575
	Police	237,529	245,875
L-6	General	402,612	416,806
	Police	266,324	275,661

## APPENDIX II

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### SUMMARY OF FINANCIAL ASSUMPTIONS



# Summary of Assumptions Used in Actuarial Valuations

## Assumptions Adopted by Board of Trustees After Consulting With Actuary

1. The investment return rate used in making the valuations was 7.00% per year, net of investment expenses, compounded annually. This rate of return is not the assumed real rate of return. The real rate of return is the rate of investment return in excess of the inflation rate. The price inflation rate used in making the valuations was 2.25% and the wage inflation rate used in making the valuations was 2.75%. The 7.00% investment return rate translates to an assumed real rate of return over price inflation of 4.75% and over wage inflation of 4.25%. Adopted 2021.
2. The healthy retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were 115% of the PubG-2010 Retiree Mortality Table for males and females. The disabled retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were 115% of the PubNS-2010 Disabled Retiree Mortality Table for males and females. The pre-retirement mortality tables used were 75% of the PubG-2010 Employee Mortality Table for males and females of General groups and 75% of the PubS-2010 Employee Mortality Table for males and females of Police, Fire and Public Safety groups. Mortality rates for a particular calendar year are determined by applying the MP-2020 mortality improvement scale to the above described tables. Adopted 2021.
3. The probabilities of withdrawal and disability from service, together with individual pay increase assumptions, are shown in Schedule 1. Adopted 2021.
4. The probabilities of retirement with an age and service allowance are shown in Schedule 2. Adopted 2021.
5. Post-retirement cost of living allowances are assumed to be 2.00% per year. Adopted 2021.
6. Total active member payroll is assumed to increase 2.75% a year, which is the portion of the individual pay increase assumptions attributable to wage inflation. In effect, this assumes no change in the number of active members per employer. Adopted 2021.
7. An individual entry-age actuarial cost method of valuation was used in determining age and service allowance actuarial liabilities and normal cost. Adopted 1986.
8. The data about persons now covered was furnished by the political subdivision. Although examined for general reasonableness, the data was not audited by us.
9. This report was prepared using our proprietary valuation model and related software, which in our professional judgment, has the capability to provide results that are consistent with the purposes of the valuation and has no material limitations or known weaknesses. We performed tests to ensure that the model reasonably represents that which is intended to be modeled.

## Schedule 1.

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

		Percent of Active Members Separating Within Next Year							
Sample Ages	Years of Service	General/Public Safety Members				Police		Fire	
		Men		Women		Disability	Withdrawal	Disability	Withdrawal
		Disability	Withdrawal	Disability	Withdrawal				
All	0		20.00%		23.00%		18.00%		12.00%
	1		18.00		21.00		17.00		10.00
	2		16.00		18.00		16.00		8.00
	3		13.00		15.00		14.00		8.00
	4		12.00		13.00		13.00		7.00
25	5 & Over	0.07%	8.80	0.02%	12.40	0.10%	10.80	0.07%	6.00
30		0.10	7.10	0.03	10.20	0.11	8.50	0.11	4.50
35		0.13	5.60	0.06	7.80	0.16	6.30	0.25	3.20
40		0.18	4.10	0.09	5.80	0.22	4.60	0.39	2.40
45		0.25	3.10	0.15	4.40	0.34	3.40	0.62	1.90
50		0.37	2.40	0.22	3.50	0.53	2.10	0.95	1.30
55		0.57	1.70	0.32	2.50	0.88	1.10	1.46	0.70
60		0.86	1.10	0.45	1.40		0.00		0.00
65			0.00		0.00		0.00		0.00

Percent Increase in Individual's Pay During Next Year			
Sample Ages	General/ Public Safety	Police	Fire
25	6.75%	6.55%	7.15%
30	5.95	5.75	6.05
35	5.35	5.25	5.15
40	4.85	4.75	4.45
45	4.25	4.25	4.05
50	3.85	3.85	3.85
55	3.65	3.65	3.45

## Schedule 2.

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

#### Early Retirement

Retirement Ages	General Members		Retirement Ages	Police/ Public Safety	Fire
	Men	Women			
55	3.00%	3.00%	50	2.50%	2.25%
56	3.00%	3.00%	51	2.50%	2.25%
57	3.00%	3.00%	52	3.00%	2.25%
58	3.00%	3.00%	53	3.00%	2.25%
59	3.00%	3.00%	54	3.50%	2.25%

#### Normal Retirement

Retirement Ages	General Members		Retirement Ages	Police/ Public Safety	Fire
	Men	Women			
60	10%	10%	55	11%	13%
61	10	10	56	11	13
62	25	15	57	11	13
63	20	15	58	11	13
64	20	15	59	11	13
65	25	25	60	11	15
66	25	30	61	11	20
67	20	25	62	22	20
68	20	25	63	18	20
69	20	20	64	18	20
70	100	100	65	100	100

## Schedule 2. (Concluded)

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

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

## APPENDIX III

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### SUMMARY OF LAGERS PROVISIONS

# Missouri Local Government Employees Retirement System

## Brief Summary of LAGERS

### Benefits and Conditions Evaluated and/or Considered as of February 28, 2022

#### (Section references are to RSMo)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



## APPENDIX IV

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### 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 <sup>1</sup> )

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

<sup>1</sup> "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.

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

<sup>3</sup> 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 <sup>1</sup> )

Final		Estimated	Estimated	
Average	LAGERS	Social	Monthly Total	
Salary (FAS) <sup>1</sup>	BENEFIT <sup>3</sup>	Security <sup>2</sup>	\$	% of FAS

35 Years of Service:

\$1,500	\$ 656	\$ 936	\$1,592	106%
2,000	875	1,073	1,948	97%
2,500	1,094	1,208	2,302	92%
3,000	1,313	1,343	2,656	89%
3,500	1,531	1,480	3,011	86%
4,000	1,750	1,614	3,364	84%

25 Years of Service:

\$1,500	\$ 469	\$ 936	\$1,405	94%
2,000	625	1,073	1,698	85%
2,500	781	1,208	1,989	80%
3,000	938	1,343	2,281	76%
3,500	1,094	1,480	2,574	74%
4,000	1,250	1,614	2,864	72%

15 Years of Service:

\$1,500	\$281	\$ 936	\$1,217	81%
2,000	375	1,073	1,448	72%
2,500	469	1,208	1,677	67%
3,000	563	1,343	1,906	64%
3,500	656	1,480	2,136	61%
4,000	750	1,614	2,364	59%

<sup>1</sup> "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.

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

<sup>3</sup> 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 <sup>1</sup> )

Final		Estimated	Estimated	
Average	LAGERS	Social	Monthly Total	
Salary (FAS) <sup>1</sup>	BENEFIT <sup>3</sup>	Security <sup>2</sup>	\$	% of FAS

35 Years of Service:

\$1,500	\$ 788	\$ 936	\$1,724	115%
2,000	1,050	1,073	2,123	106%
2,500	1,313	1,208	2,521	101%
3,000	1,575	1,343	2,918	97%
3,500	1,838	1,480	3,318	95%
4,000	2,100	1,614	3,714	93%

25 Years of Service:

\$1,500	\$ 563	\$ 936	\$1,499	100%
2,000	750	1,073	1,823	91%
2,500	938	1,208	2,146	86%
3,000	1,125	1,343	2,468	82%
3,500	1,313	1,480	2,793	80%
4,000	1,500	1,614	3,114	78%

15 Years of Service:

\$1,500	\$338	\$ 936	\$1,274	85%
2,000	450	1,073	1,523	76%
2,500	563	1,208	1,771	71%
3,000	675	1,343	2,018	67%
3,500	788	1,480	2,268	65%
4,000	900	1,614	2,514	63%

<sup>1</sup> "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.

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

<sup>3</sup> 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 <sup>1</sup> )

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

<sup>1</sup> "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.

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

<sup>3</sup> 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 <sup>1</sup> )

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

<sup>1</sup> "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.

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

<sup>3</sup> 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 <sup>1</sup> to age 65)  
1.00% of FAS <sup>1</sup> at age 65)

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

<sup>1</sup> "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.

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

<sup>3</sup> 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 <sup>1</sup> to age 65)**  
**1.25% of FAS <sup>1</sup> at age 65)**

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

<sup>1</sup> "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.

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

<sup>3</sup> 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 <sup>1</sup> to age 65)  
1.50% of FAS <sup>1</sup> at age 65)

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

<sup>1</sup> "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.

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

<sup>3</sup> 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 <sup>1</sup> to age 65)  
1.75% of FAS <sup>1</sup> at age 65)

Final Average Salary (FAS) <sup>1</sup>	LAGERS		Estimated Social Security <sup>2</sup>	Estimated		Percent	
	BENEFIT <sup>3</sup>			Monthly Total		of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 919	\$ 936	\$1,050	\$1,855	70%	124%
2,000	1,400	1,225	1,073	1,400	2,298	70%	115%
2,500	1,750	1,531	1,208	1,750	2,739	70%	110%
3,000	2,100	1,838	1,343	2,100	3,181	70%	106%
3,500	2,450	2,144	1,480	2,450	3,624	70%	104%
4,000	2,800	2,450	1,614	2,800	4,064	70%	102%
25 Years of Service:							
\$1,500	\$ 750	\$ 656	\$ 936	\$ 750	\$1,592	50%	106%
2,000	1,000	875	1,073	1,000	1,948	50%	97%
2,500	1,250	1,094	1,208	1,250	2,302	50%	92%
3,000	1,500	1,313	1,343	1,500	2,656	50%	89%
3,500	1,750	1,531	1,480	1,750	3,011	50%	86%
4,000	2,000	1,750	1,614	2,000	3,364	50%	84%
15 Years of Service:							
\$1,500	\$ 450	\$ 394	\$ 936	\$ 450	\$1,330	30%	89%
2,000	600	525	1,073	600	1,598	30%	80%
2,500	750	656	1,208	750	1,864	30%	75%
3,000	900	788	1,343	900	2,131	30%	71%
3,500	1,050	919	1,480	1,050	2,399	30%	69%
4,000	1,200	1,050	1,614	1,200	2,664	30%	67%

<sup>1</sup> "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.

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

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

## **APPENDIX V**

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### **AGE AND SERVICE CHARACTERISTICS OF EMPLOYEES**

# City of Branson West - General

May 31, 2022

## By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
Under 20									
20-24	1							1	\$ 32,136
25-29									
30-34		1						1	\$ 39,354
35-39									
40-44	1							1	\$ 36,400
45-49	1				1			2	\$ 80,298
50-54									
55-59									
60-64									
65-69		1						1	\$ 45,300
70 & Over									
<b>Totals</b>	<b>3</b>	<b>2</b>			<b>1</b>			<b>6</b>	<b>\$ 233,488</b>

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

Age: 42.9 years.

Benefit Service: 7.4 years.

Annual Pay: \$38,915.

# City of Branson West - Police

May 31, 2022

## By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
Under 20									
20-24									
25-29	1							1	\$ 37,440
30-34	1	1						2	\$ 78,312
35-39	1							1	\$ 39,000
40-44	2							2	\$ 85,270
45-49	1							1	\$ 38,480
50-54									
55-59									
60-64		1						1	\$ 63,910
65-69									
70 & Over									
<b>Totals</b>	<b>6</b>	<b>2</b>						<b>8</b>	<b>\$ 342,412</b>

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

Age: 39.9 years.

Benefit Service: 3.1 years.

Annual Pay: \$42,802.

## APPENDIX VI

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### 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.





July 21, 2022 E-mail

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

Dear Bob:

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

City of Branson West

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



July 21, 2022

City of Branson West  
Branson West, Missouri

Ladies and Gentlemen:

This report contains projections needed to comply with Missouri state disclosure requirements (Section 105.665 of the RSMo) regarding the adoption of LAGERS benefits by a political subdivision. This report is intended to be a supplement to the May 31, 2022 Initial Valuation for the City of Branson West dated July 21, 2022.

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

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

Respectfully submitted,  
Gabriel, Roeder, Smith & Company

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

Mita D. Drazilov, ASA, FCA, MAAA

# City of Branson West - General

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

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	10.6%	\$24,750	\$ 165,453	13.1%	\$30,587	\$ 206,826	11.5%	\$26,851	\$ 180,947
2023	239,909	10.6	25,430	167,040	13.1	31,428	208,810	11.5	27,590	182,683
2024	246,506	10.6	26,130	168,463	13.1	32,292	210,589	11.5	28,348	184,240
2025	253,285	10.6	26,848	169,704	13.1	33,180	212,140	11.5	29,128	185,597
2026	260,250	10.6	27,587	170,741	13.1	34,093	213,437	11.5	29,929	186,731
2027	267,407	10.6	28,345	171,553	13.1	35,030	214,452	11.5	30,752	187,619
2028	274,761	10.6	29,125	172,115	13.1	35,994	215,155	11.5	31,598	188,234
2029	282,317	10.6	29,926	172,402	13.1	36,984	215,513	11.5	32,466	188,548
2030	290,081	10.6	30,749	172,385	13.1	38,001	215,492	11.5	33,359	188,530
2031	298,058	10.6	31,594	172,035	13.1	39,046	215,054	11.5	34,277	188,147

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	13.8%	\$32,221	\$ 218,438	15.5%	\$36,191	\$ 248,131	15.9%	\$37,125	\$ 255,885
2023	239,909	13.8	33,107	220,533	15.5	37,186	250,511	15.9	38,146	258,340
2024	246,506	13.8	34,018	222,412	15.5	38,208	252,646	15.9	39,194	260,541
2025	253,285	13.8	34,953	224,050	15.5	39,259	254,507	15.9	40,272	262,460
2026	260,250	13.8	35,915	225,419	15.5	40,339	256,063	15.9	41,380	264,064
2027	267,407	13.8	36,902	226,491	15.5	41,448	257,280	15.9	42,518	265,319
2028	274,761	13.8	37,917	227,233	15.5	42,588	258,123	15.9	43,687	266,188
2029	282,317	13.8	38,960	227,612	15.5	43,759	258,553	15.9	44,888	266,632
2030	290,081	13.8	40,031	227,590	15.5	44,963	258,528	15.9	46,123	266,606
2031	298,058	13.8	41,132	227,128	15.5	46,199	258,003	15.9	47,391	266,065

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	17.9%	\$41,794	\$ 289,525	18.1%	\$42,261	\$ 293,382	20.5%	\$47,865	\$ 330,899
2023	239,909	17.9	42,944	292,302	18.1	43,424	296,196	20.5	49,181	334,073
2024	246,506	17.9	44,125	294,793	18.1	44,618	298,720	20.5	50,534	336,920
2025	253,285	17.9	45,338	296,964	18.1	45,845	300,920	20.5	51,923	339,401
2026	260,250	17.9	46,585	298,779	18.1	47,105	302,759	20.5	53,351	341,475
2027	267,407	17.9	47,866	300,199	18.1	48,401	304,198	20.5	54,818	343,098
2028	274,761	17.9	49,182	301,183	18.1	49,732	305,195	20.5	56,326	344,222
2029	282,317	17.9	50,535	301,685	18.1	51,099	305,703	20.5	57,875	344,796
2030	290,081	17.9	51,924	301,656	18.1	52,505	305,674	20.5	59,467	344,763
2031	298,058	17.9	53,352	301,043	18.1	53,948	305,053	20.5	61,102	344,063

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - 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 %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2022	\$ 233,488	8.7%	\$20,313	\$ 165,453	11.2%	\$26,151	\$ 206,826	9.6%	\$22,415	\$ 180,947
2023	239,909	8.7	20,872	167,040	11.2	26,870	208,810	9.6	23,031	182,683
2024	246,506	8.7	21,446	168,463	11.2	27,609	210,589	9.6	23,665	184,240
2025	253,285	8.7	22,036	169,704	11.2	28,368	212,140	9.6	24,315	185,597
2026	260,250	8.7	22,642	170,741	11.2	29,148	213,437	9.6	24,984	186,731
2027	267,407	8.7	23,264	171,553	11.2	29,950	214,452	9.6	25,671	187,619
2028	274,761	8.7	23,904	172,115	11.2	30,773	215,155	9.6	26,377	188,234
2029	282,317	8.7	24,562	172,402	11.2	31,620	215,513	9.6	27,102	188,548
2030	290,081	8.7	25,237	172,385	11.2	32,489	215,492	9.6	27,848	188,530
2031	298,058	8.7	25,931	172,035	11.2	33,382	215,054	9.6	28,614	188,147

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 233,488	11.9%	\$27,785	\$ 218,438	13.6%	\$31,754	\$ 248,131	14.0%	\$32,688	\$ 255,885
2023	239,909	11.9	28,549	220,533	13.6	32,628	250,511	14.0	33,587	258,340
2024	246,506	11.9	29,334	222,412	13.6	33,525	252,646	14.0	34,511	260,541
2025	253,285	11.9	30,141	224,050	13.6	34,447	254,507	14.0	35,460	262,460
2026	260,250	11.9	30,970	225,419	13.6	35,394	256,063	14.0	36,435	264,064
2027	267,407	11.9	31,821	226,491	13.6	36,367	257,280	14.0	37,437	265,319
2028	274,761	11.9	32,697	227,233	13.6	37,367	258,123	14.0	38,467	266,188
2029	282,317	11.9	33,596	227,612	13.6	38,395	258,553	14.0	39,524	266,632
2030	290,081	11.9	34,520	227,590	13.6	39,451	258,528	14.0	40,611	266,606
2031	298,058	11.9	35,469	227,128	13.6	40,536	258,003	14.0	41,728	266,065

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 233,488	16.0%	\$37,358	\$ 289,525	16.2%	\$37,825	\$ 293,382	18.6%	\$43,429	\$ 330,899
2023	239,909	16.0	38,385	292,302	16.2	38,865	296,196	18.6	44,623	334,073
2024	246,506	16.0	39,441	294,793	16.2	39,934	298,720	18.6	45,850	336,920
2025	253,285	16.0	40,526	296,964	16.2	41,032	300,920	18.6	47,111	339,401
2026	260,250	16.0	41,640	298,779	16.2	42,161	302,759	18.6	48,407	341,475
2027	267,407	16.0	42,785	300,199	16.2	43,320	304,198	18.6	49,738	343,098
2028	274,761	16.0	43,962	301,183	16.2	44,511	305,195	18.6	51,106	344,222
2029	282,317	16.0	45,171	301,685	16.2	45,735	305,703	18.6	52,511	344,796
2030	290,081	16.0	46,413	301,656	16.2	46,993	305,674	18.6	53,955	344,763
2031	298,058	16.0	47,689	301,043	16.2	48,285	305,053	18.6	55,439	344,063

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - 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
2022	\$ 233,488	6.8%	\$15,877	\$ 165,453	9.3%	\$21,714	\$ 206,826	7.7%	\$17,979	\$ 180,947
2023	239,909	6.8	16,314	167,040	9.3	22,312	208,810	7.7	18,473	182,683
2024	246,506	6.8	16,762	168,463	9.3	22,925	210,589	7.7	18,981	184,240
2025	253,285	6.8	17,223	169,704	9.3	23,556	212,140	7.7	19,503	185,597
2026	260,250	6.8	17,697	170,741	9.3	24,203	213,437	7.7	20,039	186,731
2027	267,407	6.8	18,184	171,553	9.3	24,869	214,452	7.7	20,590	187,619
2028	274,761	6.8	18,684	172,115	9.3	25,553	215,155	7.7	21,157	188,234
2029	282,317	6.8	19,198	172,402	9.3	26,255	215,513	7.7	21,738	188,548
2030	290,081	6.8	19,726	172,385	9.3	26,978	215,492	7.7	22,336	188,530
2031	298,058	6.8	20,268	172,035	9.3	27,719	215,054	7.7	22,950	188,147

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	10.0%	\$23,349	\$ 218,438	11.7%	\$27,318	\$ 248,131	12.1%	\$28,252	\$ 255,885
2023	239,909	10.0	23,991	220,533	11.7	28,069	250,511	12.1	29,029	258,340
2024	246,506	10.0	24,651	222,412	11.7	28,841	252,646	12.1	29,827	260,541
2025	253,285	10.0	25,329	224,050	11.7	29,634	254,507	12.1	30,647	262,460
2026	260,250	10.0	26,025	225,419	11.7	30,449	256,063	12.1	31,490	264,064
2027	267,407	10.0	26,741	226,491	11.7	31,287	257,280	12.1	32,356	265,319
2028	274,761	10.0	27,476	227,233	11.7	32,147	258,123	12.1	33,246	266,188
2029	282,317	10.0	28,232	227,612	11.7	33,031	258,553	12.1	34,160	266,632
2030	290,081	10.0	29,008	227,590	11.7	33,939	258,528	12.1	35,100	266,606
2031	298,058	10.0	29,806	227,128	11.7	34,873	258,003	12.1	36,065	266,065

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	14.1%	\$32,922	\$ 289,525	14.3%	\$33,389	\$ 293,382	16.7%	\$38,992	\$ 330,899
2023	239,909	14.1	33,827	292,302	14.3	34,307	296,196	16.7	40,065	334,073
2024	246,506	14.1	34,757	294,793	14.3	35,250	298,720	16.7	41,167	336,920
2025	253,285	14.1	35,713	296,964	14.3	36,220	300,920	16.7	42,299	339,401
2026	260,250	14.1	36,695	298,779	14.3	37,216	302,759	16.7	43,462	341,475
2027	267,407	14.1	37,704	300,199	14.3	38,239	304,198	16.7	44,657	343,098
2028	274,761	14.1	38,741	301,183	14.3	39,291	305,195	16.7	45,885	344,222
2029	282,317	14.1	39,807	301,685	14.3	40,371	305,703	16.7	47,147	344,796
2030	290,081	14.1	40,901	301,656	14.3	41,482	305,674	16.7	48,444	344,763
2031	298,058	14.1	42,026	301,043	14.3	42,622	305,053	16.7	49,776	344,063

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - 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
2022	\$ 233,488	4.9%	\$11,441	\$ 165,453	7.4%	\$17,278	\$ 206,826	5.8%	\$13,542	\$ 180,947
2023	239,909	4.9	11,756	167,040	7.4	17,753	208,810	5.8	13,915	182,683
2024	246,506	4.9	12,079	168,463	7.4	18,241	210,589	5.8	14,297	184,240
2025	253,285	4.9	12,411	169,704	7.4	18,743	212,140	5.8	14,691	185,597
2026	260,250	4.9	12,752	170,741	7.4	19,259	213,437	5.8	15,095	186,731
2027	267,407	4.9	13,103	171,553	7.4	19,788	214,452	5.8	15,510	187,619
2028	274,761	4.9	13,463	172,115	7.4	20,332	215,155	5.8	15,936	188,234
2029	282,317	4.9	13,834	172,402	7.4	20,891	215,513	5.8	16,374	188,548
2030	290,081	4.9	14,214	172,385	7.4	21,466	215,492	5.8	16,825	188,530
2031	298,058	4.9	14,605	172,035	7.4	22,056	215,054	5.8	17,287	188,147

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	8.1%	\$18,913	\$ 218,438	9.8%	\$22,882	\$ 248,131	10.2%	\$23,816	\$ 255,885
2023	239,909	8.1	19,433	220,533	9.8	23,511	250,511	10.2	24,471	258,340
2024	246,506	8.1	19,967	222,412	9.8	24,158	252,646	10.2	25,144	260,541
2025	253,285	8.1	20,516	224,050	9.8	24,822	254,507	10.2	25,835	262,460
2026	260,250	8.1	21,080	225,419	9.8	25,505	256,063	10.2	26,546	264,064
2027	267,407	8.1	21,660	226,491	9.8	26,206	257,280	10.2	27,276	265,319
2028	274,761	8.1	22,256	227,233	9.8	26,927	258,123	10.2	28,026	266,188
2029	282,317	8.1	22,868	227,612	9.8	27,667	258,553	10.2	28,796	266,632
2030	290,081	8.1	23,497	227,590	9.8	28,428	258,528	10.2	29,588	266,606
2031	298,058	8.1	24,143	227,128	9.8	29,210	258,003	10.2	30,402	266,065

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	12.2%	\$28,486	\$ 289,525	12.4%	\$28,953	\$ 293,382	14.8%	\$34,556	\$ 330,899
2023	239,909	12.2	29,269	292,302	12.4	29,749	296,196	14.8	35,507	334,073
2024	246,506	12.2	30,074	294,793	12.4	30,567	298,720	14.8	36,483	336,920
2025	253,285	12.2	30,901	296,964	12.4	31,407	300,920	14.8	37,486	339,401
2026	260,250	12.2	31,751	298,779	12.4	32,271	302,759	14.8	38,517	341,475
2027	267,407	12.2	32,624	300,199	12.4	33,158	304,198	14.8	39,576	343,098
2028	274,761	12.2	33,521	301,183	12.4	34,070	305,195	14.8	40,665	344,222
2029	282,317	12.2	34,443	301,685	12.4	35,007	305,703	14.8	41,783	344,796
2030	290,081	12.2	35,390	301,656	12.4	35,970	305,674	14.8	42,932	344,763
2031	298,058	12.2	36,363	301,043	12.4	36,959	305,053	14.8	44,113	344,063

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - 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	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	11.0%	\$25,684	\$ 170,888	13.5%	\$31,521	\$ 213,613	11.9%	\$27,785	\$ 186,911
2023	239,909	11.0	26,390	172,527	13.5	32,388	215,662	11.9	28,549	188,704
2024	246,506	11.0	27,116	173,997	13.5	33,278	217,500	11.9	29,334	190,312
2025	253,285	11.0	27,861	175,278	13.5	34,193	219,102	11.9	30,141	191,714
2026	260,250	11.0	28,628	176,349	13.5	35,134	220,441	11.9	30,970	192,886
2027	267,407	11.0	29,415	177,187	13.5	36,100	221,489	11.9	31,821	193,803
2028	274,761	11.0	30,224	177,768	13.5	37,093	222,215	11.9	32,697	194,438
2029	282,317	11.0	31,055	178,064	13.5	38,113	222,585	11.9	33,596	194,762
2030	290,081	11.0	31,909	178,047	13.5	39,161	222,564	11.9	34,520	194,743
2031	298,058	11.0	32,786	177,685	13.5	40,238	222,112	11.9	35,469	194,348

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	14.1%	\$32,922	\$ 225,641	16.0%	\$37,358	\$ 256,356	16.4%	\$38,292	\$ 264,392
2023	239,909	14.1	33,827	227,805	16.0	38,385	258,815	16.4	39,345	266,928
2024	246,506	14.1	34,757	229,746	16.0	39,441	261,020	16.4	40,427	269,203
2025	253,285	14.1	35,713	231,438	16.0	40,526	262,942	16.4	41,539	271,185
2026	260,250	14.1	36,695	232,853	16.0	41,640	264,549	16.4	42,681	272,843
2027	267,407	14.1	37,704	233,960	16.0	42,785	265,807	16.4	43,855	274,140
2028	274,761	14.1	38,741	234,727	16.0	43,962	266,678	16.4	45,061	275,038
2029	282,317	14.1	39,807	235,118	16.0	45,171	267,122	16.4	46,300	275,496
2030	290,081	14.1	40,901	235,095	16.0	46,413	267,096	16.4	47,573	275,469
2031	298,058	14.1	42,026	234,618	16.0	47,689	266,554	16.4	48,882	274,910

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	18.6%	\$43,429	\$ 299,047	18.8%	\$43,896	\$ 303,066	21.1%	\$49,266	\$ 341,801
2023	239,909	18.6	44,623	301,916	18.8	45,103	305,973	21.1	50,621	345,080
2024	246,506	18.6	45,850	304,489	18.8	46,343	308,580	21.1	52,013	348,020
2025	253,285	18.6	47,111	306,731	18.8	47,618	310,852	21.1	53,443	350,583
2026	260,250	18.6	48,407	308,606	18.8	48,927	312,752	21.1	54,913	352,726
2027	267,407	18.6	49,738	310,073	18.8	50,273	314,239	21.1	56,423	354,403
2028	274,761	18.6	51,106	311,089	18.8	51,655	315,269	21.1	57,975	355,564
2029	282,317	18.6	52,511	311,607	18.8	53,076	315,794	21.1	59,569	356,156
2030	290,081	18.6	53,955	311,577	18.8	54,535	315,764	21.1	61,207	356,122
2031	298,058	18.6	55,439	310,944	18.8	56,035	315,123	21.1	62,890	355,399

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - 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
2022	\$ 233,488	9.1%	\$21,247	\$ 170,888	11.6%	\$27,085	\$ 213,613	10.0%	\$23,349	\$ 186,911
2023	239,909	9.1	21,832	172,527	11.6	27,829	215,662	10.0	23,991	188,704
2024	246,506	9.1	22,432	173,997	11.6	28,595	217,500	10.0	24,651	190,312
2025	253,285	9.1	23,049	175,278	11.6	29,381	219,102	10.0	25,329	191,714
2026	260,250	9.1	23,683	176,349	11.6	30,189	220,441	10.0	26,025	192,886
2027	267,407	9.1	24,334	177,187	11.6	31,019	221,489	10.0	26,741	193,803
2028	274,761	9.1	25,003	177,768	11.6	31,872	222,215	10.0	27,476	194,438
2029	282,317	9.1	25,691	178,064	11.6	32,749	222,585	10.0	28,232	194,762
2030	290,081	9.1	26,397	178,047	11.6	33,649	222,564	10.0	29,008	194,743
2031	298,058	9.1	27,123	177,685	11.6	34,575	222,112	10.0	29,806	194,348

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	12.2%	\$28,486	\$ 225,641	14.1%	\$32,922	\$ 256,356	14.5%	\$33,856	\$ 264,392
2023	239,909	12.2	29,269	227,805	14.1	33,827	258,815	14.5	34,787	266,928
2024	246,506	12.2	30,074	229,746	14.1	34,757	261,020	14.5	35,743	269,203
2025	253,285	12.2	30,901	231,438	14.1	35,713	262,942	14.5	36,726	271,185
2026	260,250	12.2	31,751	232,853	14.1	36,695	264,549	14.5	37,736	272,843
2027	267,407	12.2	32,624	233,960	14.1	37,704	265,807	14.5	38,774	274,140
2028	274,761	12.2	33,521	234,727	14.1	38,741	266,678	14.5	39,840	275,038
2029	282,317	12.2	34,443	235,118	14.1	39,807	267,122	14.5	40,936	275,496
2030	290,081	12.2	35,390	235,095	14.1	40,901	267,096	14.5	42,062	275,469
2031	298,058	12.2	36,363	234,618	14.1	42,026	266,554	14.5	43,218	274,910

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	16.7%	\$38,992	\$ 299,047	16.9%	\$39,459	\$ 303,066	19.2%	\$44,830	\$ 341,801
2023	239,909	16.7	40,065	301,916	16.9	40,545	305,973	19.2	46,063	345,080
2024	246,506	16.7	41,167	304,489	16.9	41,660	308,580	19.2	47,329	348,020
2025	253,285	16.7	42,299	306,731	16.9	42,805	310,852	19.2	48,631	350,583
2026	260,250	16.7	43,462	308,606	16.9	43,982	312,752	19.2	49,968	352,726
2027	267,407	16.7	44,657	310,073	16.9	45,192	314,239	19.2	51,342	354,403
2028	274,761	16.7	45,885	311,089	16.9	46,435	315,269	19.2	52,754	355,564
2029	282,317	16.7	47,147	311,607	16.9	47,712	315,794	19.2	54,205	356,156
2030	290,081	16.7	48,444	311,577	16.9	49,024	315,764	19.2	55,696	356,122
2031	298,058	16.7	49,776	310,944	16.9	50,372	315,123	19.2	57,227	355,399

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# City of Branson West - General

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

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	7.2%	\$16,811	\$ 170,888	9.7%	\$22,648	\$ 213,613	8.1%	\$18,913	\$ 186,911
2023	239,909	7.2	17,273	172,527	9.7	23,271	215,662	8.1	19,433	188,704
2024	246,506	7.2	17,748	173,997	9.7	23,911	217,500	8.1	19,967	190,312
2025	253,285	7.2	18,237	175,278	9.7	24,569	219,102	8.1	20,516	191,714
2026	260,250	7.2	18,738	176,349	9.7	25,244	220,441	8.1	21,080	192,886
2027	267,407	7.2	19,253	177,187	9.7	25,938	221,489	8.1	21,660	193,803
2028	274,761	7.2	19,783	177,768	9.7	26,652	222,215	8.1	22,256	194,438
2029	282,317	7.2	20,327	178,064	9.7	27,385	222,585	8.1	22,868	194,762
2030	290,081	7.2	20,886	178,047	9.7	28,138	222,564	8.1	23,497	194,743
2031	298,058	7.2	21,460	177,685	9.7	28,912	222,112	8.1	24,143	194,348

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	10.3%	\$24,049	\$ 225,641	12.2%	\$28,486	\$ 256,356	12.6%	\$29,419	\$ 264,392
2023	239,909	10.3	24,711	227,805	12.2	29,269	258,815	12.6	30,229	266,928
2024	246,506	10.3	25,390	229,746	12.2	30,074	261,020	12.6	31,060	269,203
2025	253,285	10.3	26,088	231,438	12.2	30,901	262,942	12.6	31,914	271,185
2026	260,250	10.3	26,806	232,853	12.2	31,751	264,549	12.6	32,792	272,843
2027	267,407	10.3	27,543	233,960	12.2	32,624	265,807	12.6	33,693	274,140
2028	274,761	10.3	28,300	234,727	12.2	33,521	266,678	12.6	34,620	275,038
2029	282,317	10.3	29,079	235,118	12.2	34,443	267,122	12.6	35,572	275,496
2030	290,081	10.3	29,878	235,095	12.2	35,390	267,096	12.6	36,550	275,469
2031	298,058	10.3	30,700	234,618	12.2	36,363	266,554	12.6	37,555	274,910

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	14.8%	\$34,556	\$ 299,047	15.0%	\$35,023	\$ 303,066	17.3%	\$40,393	\$ 341,801
2023	239,909	14.8	35,507	301,916	15.0	35,986	305,973	17.3	41,504	345,080
2024	246,506	14.8	36,483	304,489	15.0	36,976	308,580	17.3	42,646	348,020
2025	253,285	14.8	37,486	306,731	15.0	37,993	310,852	17.3	43,818	350,583
2026	260,250	14.8	38,517	308,606	15.0	39,038	312,752	17.3	45,023	352,726
2027	267,407	14.8	39,576	310,073	15.0	40,111	314,239	17.3	46,261	354,403
2028	274,761	14.8	40,665	311,089	15.0	41,214	315,269	17.3	47,534	355,564
2029	282,317	14.8	41,783	311,607	15.0	42,348	315,794	17.3	48,841	356,156
2030	290,081	14.8	42,932	311,577	15.0	43,512	315,764	17.3	50,184	356,122
2031	298,058	14.8	44,113	310,944	15.0	44,709	315,123	17.3	51,564	355,399

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - General

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

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	5.3%	\$12,375	\$ 170,888	7.8%	\$18,212	\$ 213,613	6.2%	\$14,476	\$ 186,911
2023	239,909	5.3	12,715	172,527	7.8	18,713	215,662	6.2	14,874	188,704
2024	246,506	5.3	13,065	173,997	7.8	19,227	217,500	6.2	15,283	190,312
2025	253,285	5.3	13,424	175,278	7.8	19,756	219,102	6.2	15,704	191,714
2026	260,250	5.3	13,793	176,349	7.8	20,300	220,441	6.2	16,136	192,886
2027	267,407	5.3	14,173	177,187	7.8	20,858	221,489	6.2	16,579	193,803
2028	274,761	5.3	14,562	177,768	7.8	21,431	222,215	6.2	17,035	194,438
2029	282,317	5.3	14,963	178,064	7.8	22,021	222,585	6.2	17,504	194,762
2030	290,081	5.3	15,374	178,047	7.8	22,626	222,564	6.2	17,985	194,743
2031	298,058	5.3	15,797	177,685	7.8	23,249	222,112	6.2	18,480	194,348

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	8.4%	\$19,613	\$ 225,641	10.3%	\$24,049	\$ 256,356	10.7%	\$24,983	\$ 264,392
2023	239,909	8.4	20,152	227,805	10.3	24,711	258,815	10.7	25,670	266,928
2024	246,506	8.4	20,707	229,746	10.3	25,390	261,020	10.7	26,376	269,203
2025	253,285	8.4	21,276	231,438	10.3	26,088	262,942	10.7	27,101	271,185
2026	260,250	8.4	21,861	232,853	10.3	26,806	264,549	10.7	27,847	272,843
2027	267,407	8.4	22,462	233,960	10.3	27,543	265,807	10.7	28,613	274,140
2028	274,761	8.4	23,080	234,727	10.3	28,300	266,678	10.7	29,399	275,038
2029	282,317	8.4	23,715	235,118	10.3	29,079	267,122	10.7	30,208	275,496
2030	290,081	8.4	24,367	235,095	10.3	29,878	267,096	10.7	31,039	275,469
2031	298,058	8.4	25,037	234,618	10.3	30,700	266,554	10.7	31,892	274,910

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	12.9%	\$30,120	\$ 299,047	13.1%	\$30,587	\$ 303,066	15.4%	\$35,957	\$ 341,801
2023	239,909	12.9	30,948	301,916	13.1	31,428	305,973	15.4	36,946	345,080
2024	246,506	12.9	31,799	304,489	13.1	32,292	308,580	15.4	37,962	348,020
2025	253,285	12.9	32,674	306,731	13.1	33,180	310,852	15.4	39,006	350,583
2026	260,250	12.9	33,572	308,606	13.1	34,093	312,752	15.4	40,079	352,726
2027	267,407	12.9	34,496	310,073	13.1	35,030	314,239	15.4	41,181	354,403
2028	274,761	12.9	35,444	311,089	13.1	35,994	315,269	15.4	42,313	355,564
2029	282,317	12.9	36,419	311,607	13.1	36,984	315,794	15.4	43,477	356,156
2030	290,081	12.9	37,420	311,577	13.1	38,001	315,764	15.4	44,672	356,122
2031	298,058	12.9	38,449	310,944	13.1	39,046	315,123	15.4	45,901	355,399

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - 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	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2022	\$ 233,488	12.0%	\$28,019	\$ 201,306	14.8%	\$34,556	\$ 251,634	14.8%	\$34,556	\$ 266,385
2023	239,909	12.0	28,789	203,237	14.8	35,507	254,048	14.8	35,507	268,940
2024	246,506	12.0	29,581	204,969	14.8	36,483	256,213	14.8	36,483	271,232
2025	253,285	12.0	30,394	206,478	14.8	37,486	258,100	14.8	37,486	273,229
2026	260,250	12.0	31,230	207,740	14.8	38,517	259,678	14.8	38,517	274,899
2027	267,407	12.0	32,089	208,728	14.8	39,576	260,913	14.8	39,576	276,206
2028	274,761	12.0	32,971	209,412	14.8	40,665	261,768	14.8	40,665	277,111
2029	282,317	12.0	33,878	209,761	14.8	41,783	262,204	14.8	41,783	277,573
2030	290,081	12.0	34,810	209,741	14.8	42,932	262,179	14.8	42,932	277,546
2031	298,058	12.0	35,767	209,315	14.8	44,113	261,647	14.8	44,113	276,982

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 233,488	16.8%	\$39,226	\$ 300,443	17.6%	\$41,094	\$ 301,932	18.9%	\$44,129	\$ 334,475
2023	239,909	16.8	40,305	303,325	17.6	42,224	304,828	18.9	45,343	337,684
2024	246,506	16.8	41,413	305,910	17.6	43,385	307,425	18.9	46,590	340,561
2025	253,285	16.8	42,552	308,163	17.6	44,578	309,689	18.9	47,871	343,069
2026	260,250	16.8	43,722	310,047	17.6	45,804	311,582	18.9	49,187	345,166
2027	267,407	16.8	44,924	311,521	17.6	47,064	313,063	18.9	50,540	346,807
2028	274,761	16.8	46,160	312,542	17.6	48,358	314,089	18.9	51,930	347,944
2029	282,317	16.8	47,429	313,063	17.6	49,688	314,612	18.9	53,358	348,524
2030	290,081	16.8	48,734	313,033	17.6	51,054	314,582	18.9	54,825	348,490
2031	298,058	16.8	50,074	312,397	17.6	52,458	313,943	18.9	56,333	347,782

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 233,488	20.3%	\$47,398	\$ 352,269	21.0%	\$49,032	\$ 368,529	23.2%	\$54,169	\$ 402,612
2023	239,909	20.3	48,702	355,648	21.0	50,381	372,064	23.2	55,659	406,474
2024	246,506	20.3	50,041	358,679	21.0	51,766	375,234	23.2	57,189	409,938
2025	253,285	20.3	51,417	361,320	21.0	53,190	377,997	23.2	58,762	412,957
2026	260,250	20.3	52,831	363,528	21.0	54,653	380,307	23.2	60,378	415,481
2027	267,407	20.3	54,284	365,256	21.0	56,155	382,115	23.2	62,038	417,456
2028	274,761	20.3	55,776	366,453	21.0	57,700	383,367	23.2	63,745	418,824
2029	282,317	20.3	57,310	367,064	21.0	59,287	384,006	23.2	65,498	419,522
2030	290,081	20.3	58,886	367,029	21.0	60,917	383,969	23.2	67,299	419,482
2031	298,058	20.3	60,506	366,284	21.0	62,592	383,189	23.2	69,149	418,630

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - 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	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	10.1%	\$23,582	\$ 201,306	12.9%	\$30,120	\$ 251,634	12.9%	\$30,120	\$ 266,385
2023	239,909	10.1	24,231	203,237	12.9	30,948	254,048	12.9	30,948	268,940
2024	246,506	10.1	24,897	204,969	12.9	31,799	256,213	12.9	31,799	271,232
2025	253,285	10.1	25,582	206,478	12.9	32,674	258,100	12.9	32,674	273,229
2026	260,250	10.1	26,285	207,740	12.9	33,572	259,678	12.9	33,572	274,899
2027	267,407	10.1	27,008	208,728	12.9	34,496	260,913	12.9	34,496	276,206
2028	274,761	10.1	27,751	209,412	12.9	35,444	261,768	12.9	35,444	277,111
2029	282,317	10.1	28,514	209,761	12.9	36,419	262,204	12.9	36,419	277,573
2030	290,081	10.1	29,298	209,741	12.9	37,420	262,179	12.9	37,420	277,546
2031	298,058	10.1	30,104	209,315	12.9	38,449	261,647	12.9	38,449	276,982

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	14.9%	\$34,790	\$ 300,443	15.7%	\$36,658	\$ 301,932	17.0%	\$39,693	\$ 334,475
2023	239,909	14.9	35,746	303,325	15.7	37,666	304,828	17.0	40,785	337,684
2024	246,506	14.9	36,729	305,910	15.7	38,701	307,425	17.0	41,906	340,561
2025	253,285	14.9	37,739	308,163	15.7	39,766	309,689	17.0	43,058	343,069
2026	260,250	14.9	38,777	310,047	15.7	40,859	311,582	17.0	44,243	345,166
2027	267,407	14.9	39,844	311,521	15.7	41,983	313,063	17.0	45,459	346,807
2028	274,761	14.9	40,939	312,542	15.7	43,137	314,089	17.0	46,709	347,944
2029	282,317	14.9	42,065	313,063	15.7	44,324	314,612	17.0	47,994	348,524
2030	290,081	14.9	43,222	313,033	15.7	45,543	314,582	17.0	49,314	348,490
2031	298,058	14.9	44,411	312,397	15.7	46,795	313,943	17.0	50,670	347,782

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	18.4%	\$42,962	\$ 352,269	19.1%	\$44,596	\$ 368,529	21.3%	\$49,733	\$ 402,612
2023	239,909	18.4	44,143	355,648	19.1	45,823	372,064	21.3	51,101	406,474
2024	246,506	18.4	45,357	358,679	19.1	47,083	375,234	21.3	52,506	409,938
2025	253,285	18.4	46,604	361,320	19.1	48,377	377,997	21.3	53,950	412,957
2026	260,250	18.4	47,886	363,528	19.1	49,708	380,307	21.3	55,433	415,481
2027	267,407	18.4	49,203	365,256	19.1	51,075	382,115	21.3	56,958	417,456
2028	274,761	18.4	50,556	366,453	19.1	52,479	383,367	21.3	58,524	418,824
2029	282,317	18.4	51,946	367,064	19.1	53,923	384,006	21.3	60,134	419,522
2030	290,081	18.4	53,375	367,029	19.1	55,405	383,969	21.3	61,787	419,482
2031	298,058	18.4	54,843	366,284	19.1	56,929	383,189	21.3	63,486	418,630

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - General

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

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	8.2%	\$19,146	\$ 201,306	11.0%	\$25,684	\$ 251,634	11.0%	\$25,684	\$ 266,385
2023	239,909	8.2	19,673	203,237	11.0	26,390	254,048	11.0	26,390	268,940
2024	246,506	8.2	20,213	204,969	11.0	27,116	256,213	11.0	27,116	271,232
2025	253,285	8.2	20,769	206,478	11.0	27,861	258,100	11.0	27,861	273,229
2026	260,250	8.2	21,341	207,740	11.0	28,628	259,678	11.0	28,628	274,899
2027	267,407	8.2	21,927	208,728	11.0	29,415	260,913	11.0	29,415	276,206
2028	274,761	8.2	22,530	209,412	11.0	30,224	261,768	11.0	30,224	277,111
2029	282,317	8.2	23,150	209,761	11.0	31,055	262,204	11.0	31,055	277,573
2030	290,081	8.2	23,787	209,741	11.0	31,909	262,179	11.0	31,909	277,546
2031	298,058	8.2	24,441	209,315	11.0	32,786	261,647	11.0	32,786	276,982

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	13.0%	\$30,353	\$ 300,443	13.8%	\$32,221	\$ 301,932	15.1%	\$35,257	\$ 334,475
2023	239,909	13.0	31,188	303,325	13.8	33,107	304,828	15.1	36,226	337,684
2024	246,506	13.0	32,046	305,910	13.8	34,018	307,425	15.1	37,222	340,561
2025	253,285	13.0	32,927	308,163	13.8	34,953	309,689	15.1	38,246	343,069
2026	260,250	13.0	33,833	310,047	13.8	35,915	311,582	15.1	39,298	345,166
2027	267,407	13.0	34,763	311,521	13.8	36,902	313,063	15.1	40,378	346,807
2028	274,761	13.0	35,719	312,542	13.8	37,917	314,089	15.1	41,489	347,944
2029	282,317	13.0	36,701	313,063	13.8	38,960	314,612	15.1	42,630	348,524
2030	290,081	13.0	37,711	313,033	13.8	40,031	314,582	15.1	43,802	348,490
2031	298,058	13.0	38,748	312,397	13.8	41,132	313,943	15.1	45,007	347,782

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	16.5%	\$38,526	\$ 352,269	17.2%	\$40,160	\$ 368,529	19.4%	\$45,297	\$ 402,612
2023	239,909	16.5	39,585	355,648	17.2	41,264	372,064	19.4	46,542	406,474
2024	246,506	16.5	40,673	358,679	17.2	42,399	375,234	19.4	47,822	409,938
2025	253,285	16.5	41,792	361,320	17.2	43,565	377,997	19.4	49,137	412,957
2026	260,250	16.5	42,941	363,528	17.2	44,763	380,307	19.4	50,489	415,481
2027	267,407	16.5	44,122	365,256	17.2	45,994	382,115	19.4	51,877	417,456
2028	274,761	16.5	45,336	366,453	17.2	47,259	383,367	19.4	53,304	418,824
2029	282,317	16.5	46,582	367,064	17.2	48,559	384,006	19.4	54,769	419,522
2030	290,081	16.5	47,863	367,029	17.2	49,894	383,969	19.4	56,276	419,482
2031	298,058	16.5	49,180	366,284	17.2	51,266	383,189	19.4	57,823	418,630

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - General

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

### Rule of 80 Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
Valuation Year	Estimated Projected Payroll	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	\$ 233,488	6.3%	\$14,710	\$ 201,306	9.1%	\$21,247	\$ 251,634	9.1%	\$21,247	\$ 266,385
2023	239,909	6.3	15,114	203,237	9.1	21,832	254,048	9.1	21,832	268,940
2024	246,506	6.3	15,530	204,969	9.1	22,432	256,213	9.1	22,432	271,232
2025	253,285	6.3	15,957	206,478	9.1	23,049	258,100	9.1	23,049	273,229
2026	260,250	6.3	16,396	207,740	9.1	23,683	259,678	9.1	23,683	274,899
2027	267,407	6.3	16,847	208,728	9.1	24,334	260,913	9.1	24,334	276,206
2028	274,761	6.3	17,310	209,412	9.1	25,003	261,768	9.1	25,003	277,111
2029	282,317	6.3	17,786	209,761	9.1	25,691	262,204	9.1	25,691	277,573
2030	290,081	6.3	18,275	209,741	9.1	26,397	262,179	9.1	26,397	277,546
2031	298,058	6.3	18,778	209,315	9.1	27,123	261,647	9.1	27,123	276,982

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
Valuation Year	Estimated Projected Payroll	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	\$ 233,488	11.1%	\$25,917	\$ 300,443	11.9%	\$27,785	\$ 301,932	13.2%	\$30,820	\$ 334,475
2023	239,909	11.1	26,630	303,325	11.9	28,549	304,828	13.2	31,668	337,684
2024	246,506	11.1	27,362	305,910	11.9	29,334	307,425	13.2	32,539	340,561
2025	253,285	11.1	28,115	308,163	11.9	30,141	309,689	13.2	33,434	343,069
2026	260,250	11.1	28,888	310,047	11.9	30,970	311,582	13.2	34,353	345,166
2027	267,407	11.1	29,682	311,521	11.9	31,821	313,063	13.2	35,298	346,807
2028	274,761	11.1	30,498	312,542	11.9	32,697	314,089	13.2	36,268	347,944
2029	282,317	11.1	31,337	313,063	11.9	33,596	314,612	13.2	37,266	348,524
2030	290,081	11.1	32,199	313,033	11.9	34,520	314,582	13.2	38,291	348,490
2031	298,058	11.1	33,084	312,397	11.9	35,469	313,943	13.2	39,344	347,782

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
Valuation Year	Estimated Projected Payroll	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	\$ 233,488	14.6%	\$34,089	\$ 352,269	15.3%	\$35,724	\$ 368,529	17.5%	\$40,860	\$ 402,612
2023	239,909	14.6	35,027	355,648	15.3	36,706	372,064	17.5	41,984	406,474
2024	246,506	14.6	35,990	358,679	15.3	37,715	375,234	17.5	43,139	409,938
2025	253,285	14.6	36,980	361,320	15.3	38,753	377,997	17.5	44,325	412,957
2026	260,250	14.6	37,997	363,528	15.3	39,818	380,307	17.5	45,544	415,481
2027	267,407	14.6	39,041	365,256	15.3	40,913	382,115	17.5	46,796	417,456
2028	274,761	14.6	40,115	366,453	15.3	42,038	383,367	17.5	48,083	418,824
2029	282,317	14.6	41,218	367,064	15.3	43,195	384,006	17.5	49,405	419,522
2030	290,081	14.6	42,352	367,029	15.3	44,382	383,969	17.5	50,764	419,482
2031	298,058	14.6	43,516	366,284	15.3	45,603	383,189	17.5	52,160	418,630

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - General

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

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	12.4%	\$28,953	\$ 208,406	15.3%	\$35,724	\$ 260,493	15.2%	\$35,490	\$ 275,911
2023	239,909	12.4	29,749	210,405	15.3	36,706	262,992	15.2	36,466	278,558
2024	246,506	12.4	30,567	212,198	15.3	37,715	265,233	15.2	37,469	280,932
2025	253,285	12.4	31,407	213,761	15.3	38,753	267,186	15.2	38,499	283,001
2026	260,250	12.4	32,271	215,068	15.3	39,818	268,819	15.2	39,558	284,731
2027	267,407	12.4	33,158	216,090	15.3	40,913	270,097	15.2	40,646	286,085
2028	274,761	12.4	34,070	216,798	15.3	42,038	270,982	15.2	41,764	287,023
2029	282,317	12.4	35,007	217,159	15.3	43,195	271,433	15.2	42,912	287,501
2030	290,081	12.4	35,970	217,138	15.3	44,382	271,407	15.2	44,092	287,473
2031	298,058	12.4	36,959	216,697	15.3	45,603	270,856	15.2	45,305	286,889

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	17.4%	\$40,627	\$ 311,119	18.1%	\$42,261	\$ 312,610	19.6%	\$45,764	\$ 346,382
2023	239,909	17.4	41,744	314,103	18.1	43,424	315,609	19.6	47,022	349,705
2024	246,506	17.4	42,892	316,780	18.1	44,618	318,298	19.6	48,315	352,685
2025	253,285	17.4	44,072	319,113	18.1	45,845	320,642	19.6	49,644	355,282
2026	260,250	17.4	45,284	321,063	18.1	47,105	322,602	19.6	51,009	357,454
2027	267,407	17.4	46,529	322,589	18.1	48,401	324,136	19.6	52,412	359,153
2028	274,761	17.4	47,808	323,646	18.1	49,732	325,198	19.6	53,853	360,330
2029	282,317	17.4	49,123	324,185	18.1	51,099	325,740	19.6	55,334	360,930
2030	290,081	17.4	50,474	324,154	18.1	52,505	325,709	19.6	56,856	360,895
2031	298,058	17.4	51,862	323,496	18.1	53,948	325,048	19.6	58,419	360,162

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	21.0%	\$49,032	\$ 364,701	21.7%	\$50,667	\$ 381,575	23.9%	\$55,804	\$ 416,806
2023	239,909	21.0	50,381	368,199	21.7	52,060	385,235	23.9	57,338	420,804
2024	246,506	21.0	51,766	371,336	21.7	53,492	388,518	23.9	58,915	424,390
2025	253,285	21.0	53,190	374,071	21.7	54,963	391,379	23.9	60,535	427,515
2026	260,250	21.0	54,653	376,357	21.7	56,474	393,771	23.9	62,200	430,128
2027	267,407	21.0	56,155	378,146	21.7	58,027	395,643	23.9	63,910	432,173
2028	274,761	21.0	57,700	379,385	21.7	59,623	396,940	23.9	65,668	433,589
2029	282,317	21.0	59,287	380,017	21.7	61,263	397,601	23.9	67,474	434,311
2030	290,081	21.0	60,917	379,980	21.7	62,948	397,563	23.9	69,329	434,269
2031	298,058	21.0	62,592	379,208	21.7	64,679	396,756	23.9	71,236	433,387

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# City of Branson West - General

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

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	10.5%	\$24,516	\$ 208,406	13.4%	\$31,287	\$ 260,493	13.3%	\$31,054	\$ 275,911
2023	239,909	10.5	25,190	210,405	13.4	32,148	262,992	13.3	31,908	278,558
2024	246,506	10.5	25,883	212,198	13.4	33,032	265,233	13.3	32,785	280,932
2025	253,285	10.5	26,595	213,761	13.4	33,940	267,186	13.3	33,687	283,001
2026	260,250	10.5	27,326	215,068	13.4	34,874	268,819	13.3	34,613	284,731
2027	267,407	10.5	28,078	216,090	13.4	35,833	270,097	13.3	35,565	286,085
2028	274,761	10.5	28,850	216,798	13.4	36,818	270,982	13.3	36,543	287,023
2029	282,317	10.5	29,643	217,159	13.4	37,830	271,433	13.3	37,548	287,501
2030	290,081	10.5	30,459	217,138	13.4	38,871	271,407	13.3	38,581	287,473
2031	298,058	10.5	31,296	216,697	13.4	39,940	270,856	13.3	39,642	286,889

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	15.5%	\$36,191	\$ 311,119	16.2%	\$37,825	\$ 312,610	17.7%	\$41,327	\$ 346,382
2023	239,909	15.5	37,186	314,103	16.2	38,865	315,609	17.7	42,464	349,705
2024	246,506	15.5	38,208	316,780	16.2	39,934	318,298	17.7	43,632	352,685
2025	253,285	15.5	39,259	319,113	16.2	41,032	320,642	17.7	44,831	355,282
2026	260,250	15.5	40,339	321,063	16.2	42,161	322,602	17.7	46,064	357,454
2027	267,407	15.5	41,448	322,589	16.2	43,320	324,136	17.7	47,331	359,153
2028	274,761	15.5	42,588	323,646	16.2	44,511	325,198	17.7	48,633	360,330
2029	282,317	15.5	43,759	324,185	16.2	45,735	325,740	17.7	49,970	360,930
2030	290,081	15.5	44,963	324,154	16.2	46,993	325,709	17.7	51,344	360,895
2031	298,058	15.5	46,199	323,496	16.2	48,285	325,048	17.7	52,756	360,162

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	19.1%	\$44,596	\$ 364,701	19.8%	\$46,231	\$ 381,575	22.0%	\$51,367	\$ 416,806
2023	239,909	19.1	45,823	368,199	19.8	47,502	385,235	22.0	52,780	420,804
2024	246,506	19.1	47,083	371,336	19.8	48,808	388,518	22.0	54,231	424,390
2025	253,285	19.1	48,377	374,071	19.8	50,150	391,379	22.0	55,723	427,515
2026	260,250	19.1	49,708	376,357	19.8	51,530	393,771	22.0	57,255	430,128
2027	267,407	19.1	51,075	378,146	19.8	52,947	395,643	22.0	58,830	432,173
2028	274,761	19.1	52,479	379,385	19.8	54,403	396,940	22.0	60,447	433,589
2029	282,317	19.1	53,923	380,017	19.8	55,899	397,601	22.0	62,110	434,311
2030	290,081	19.1	55,405	379,980	19.8	57,436	397,563	22.0	63,818	434,269
2031	298,058	19.1	56,929	379,208	19.8	59,015	396,756	22.0	65,573	433,387

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# City of Branson West - 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
2022	\$ 233,488	8.6%	\$20,080	\$ 208,406	11.5%	\$26,851	\$ 260,493	11.4%	\$26,618	\$ 275,911
2023	239,909	8.6	20,632	210,405	11.5	27,590	262,992	11.4	27,350	278,558
2024	246,506	8.6	21,200	212,198	11.5	28,348	265,233	11.4	28,102	280,932
2025	253,285	8.6	21,783	213,761	11.5	29,128	267,186	11.4	28,874	283,001
2026	260,250	8.6	22,382	215,068	11.5	29,929	268,819	11.4	29,669	284,731
2027	267,407	8.6	22,997	216,090	11.5	30,752	270,097	11.4	30,484	286,085
2028	274,761	8.6	23,629	216,798	11.5	31,598	270,982	11.4	31,323	287,023
2029	282,317	8.6	24,279	217,159	11.5	32,466	271,433	11.4	32,184	287,501
2030	290,081	8.6	24,947	217,138	11.5	33,359	271,407	11.4	33,069	287,473
2031	298,058	8.6	25,633	216,697	11.5	34,277	270,856	11.4	33,979	286,889

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	13.6%	\$31,754	\$ 311,119	14.3%	\$33,389	\$ 312,610	15.8%	\$36,891	\$ 346,382
2023	239,909	13.6	32,628	314,103	14.3	34,307	315,609	15.8	37,906	349,705
2024	246,506	13.6	33,525	316,780	14.3	35,250	318,298	15.8	38,948	352,685
2025	253,285	13.6	34,447	319,113	14.3	36,220	320,642	15.8	40,019	355,282
2026	260,250	13.6	35,394	321,063	14.3	37,216	322,602	15.8	41,120	357,454
2027	267,407	13.6	36,367	322,589	14.3	38,239	324,136	15.8	42,250	359,153
2028	274,761	13.6	37,367	323,646	14.3	39,291	325,198	15.8	43,412	360,330
2029	282,317	13.6	38,395	324,185	14.3	40,371	325,740	15.8	44,606	360,930
2030	290,081	13.6	39,451	324,154	14.3	41,482	325,709	15.8	45,833	360,895
2031	298,058	13.6	40,536	323,496	14.3	42,622	325,048	15.8	47,093	360,162

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 233,488	17.2%	\$40,160	\$ 364,701	17.9%	\$41,794	\$ 381,575	20.1%	\$46,931	\$ 416,806
2023	239,909	17.2	41,264	368,199	17.9	42,944	385,235	20.1	48,222	420,804
2024	246,506	17.2	42,399	371,336	17.9	44,125	388,518	20.1	49,548	424,390
2025	253,285	17.2	43,565	374,071	17.9	45,338	391,379	20.1	50,910	427,515
2026	260,250	17.2	44,763	376,357	17.9	46,585	393,771	20.1	52,310	430,128
2027	267,407	17.2	45,994	378,146	17.9	47,866	395,643	20.1	53,749	432,173
2028	274,761	17.2	47,259	379,385	17.9	49,182	396,940	20.1	55,227	433,589
2029	282,317	17.2	48,559	380,017	17.9	50,535	397,601	20.1	56,746	434,311
2030	290,081	17.2	49,894	379,980	17.9	51,924	397,563	20.1	58,306	434,269
2031	298,058	17.2	51,266	379,208	17.9	53,352	396,756	20.1	59,910	433,387

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - General

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

### Rule of 80 Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
Valuation Year	Estimated Projected Payroll	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	\$ 233,488	6.7%	\$15,644	\$ 208,406	9.6%	\$22,415	\$ 260,493	9.5%	\$22,181	\$ 275,911
2023	239,909	6.7	16,074	210,405	9.6	23,031	262,992	9.5	22,791	278,558
2024	246,506	6.7	16,516	212,198	9.6	23,665	265,233	9.5	23,418	280,932
2025	253,285	6.7	16,970	213,761	9.6	24,315	267,186	9.5	24,062	283,001
2026	260,250	6.7	17,437	215,068	9.6	24,984	268,819	9.5	24,724	284,731
2027	267,407	6.7	17,916	216,090	9.6	25,671	270,097	9.5	25,404	286,085
2028	274,761	6.7	18,409	216,798	9.6	26,377	270,982	9.5	26,102	287,023
2029	282,317	6.7	18,915	217,159	9.6	27,102	271,433	9.5	26,820	287,501
2030	290,081	6.7	19,435	217,138	9.6	27,848	271,407	9.5	27,558	287,473
2031	298,058	6.7	19,970	216,697	9.6	28,614	270,856	9.5	28,316	286,889

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
Valuation Year	Estimated Projected Payroll	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	\$ 233,488	11.7%	\$27,318	\$ 311,119	12.4%	\$28,953	\$ 312,610	13.9%	\$32,455	\$ 346,382
2023	239,909	11.7	28,069	314,103	12.4	29,749	315,609	13.9	33,347	349,705
2024	246,506	11.7	28,841	316,780	12.4	30,567	318,298	13.9	34,264	352,685
2025	253,285	11.7	29,634	319,113	12.4	31,407	320,642	13.9	35,207	355,282
2026	260,250	11.7	30,449	321,063	12.4	32,271	322,602	13.9	36,175	357,454
2027	267,407	11.7	31,287	322,589	12.4	33,158	324,136	13.9	37,170	359,153
2028	274,761	11.7	32,147	323,646	12.4	34,070	325,198	13.9	38,192	360,330
2029	282,317	11.7	33,031	324,185	12.4	35,007	325,740	13.9	39,242	360,930
2030	290,081	11.7	33,939	324,154	12.4	35,970	325,709	13.9	40,321	360,895
2031	298,058	11.7	34,873	323,496	12.4	36,959	325,048	13.9	41,430	360,162

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
Valuation Year	Estimated Projected Payroll	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	\$ 233,488	15.3%	\$35,724	\$ 364,701	16.0%	\$37,358	\$ 381,575	18.2%	\$42,495	\$ 416,806
2023	239,909	15.3	36,706	368,199	16.0	38,385	385,235	18.2	43,663	420,804
2024	246,506	15.3	37,715	371,336	16.0	39,441	388,518	18.2	44,864	424,390
2025	253,285	15.3	38,753	374,071	16.0	40,526	391,379	18.2	46,098	427,515
2026	260,250	15.3	39,818	376,357	16.0	41,640	393,771	18.2	47,366	430,128
2027	267,407	15.3	40,913	378,146	16.0	42,785	395,643	18.2	48,668	432,173
2028	274,761	15.3	42,038	379,385	16.0	43,962	396,940	18.2	50,007	433,589
2029	282,317	15.3	43,195	380,017	16.0	45,171	397,601	18.2	51,382	434,311
2030	290,081	15.3	44,382	379,980	16.0	46,413	397,563	18.2	52,795	434,269
2031	298,058	15.3	45,603	379,208	16.0	47,689	396,756	18.2	54,247	433,387

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - Police

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

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	10.4%	\$35,611	\$ 131,308	12.8%	\$43,829	\$ 164,183	12.2%	\$41,774	\$ 146,227
2023	351,828	10.4	36,590	132,568	12.8	45,034	165,758	12.2	42,923	147,630
2024	361,503	10.4	37,596	133,698	12.8	46,272	167,170	12.2	44,103	148,888
2025	371,444	10.4	38,630	134,683	12.8	47,545	168,401	12.2	45,316	149,984
2026	381,659	10.4	39,693	135,506	12.8	48,852	169,430	12.2	46,562	150,901
2027	392,155	10.4	40,784	136,150	12.8	50,196	170,235	12.2	47,843	151,618
2028	402,939	10.4	41,906	136,596	12.8	51,576	170,793	12.2	49,159	152,115
2029	414,020	10.4	43,058	136,824	12.8	52,995	171,078	12.2	50,510	152,368
2030	425,406	10.4	44,242	136,811	12.8	54,452	171,062	12.2	51,900	152,353
2031	437,105	10.4	45,459	136,533	12.8	55,949	170,715	12.2	53,327	152,044

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	14.2%	\$48,623	\$ 175,353	15.3%	\$52,389	\$ 196,978	16.1%	\$55,128	\$ 204,450
2023	351,828	14.2	49,960	177,035	15.3	53,830	198,868	16.1	56,644	206,411
2024	361,503	14.2	51,333	178,544	15.3	55,310	200,563	16.1	58,202	208,170
2025	371,444	14.2	52,745	179,859	15.3	56,831	202,040	16.1	59,802	209,703
2026	381,659	14.2	54,196	180,958	15.3	58,394	203,275	16.1	61,447	210,985
2027	392,155	14.2	55,686	181,818	15.3	60,000	204,241	16.1	63,137	211,988
2028	402,939	14.2	57,217	182,414	15.3	61,650	204,910	16.1	64,873	212,683
2029	414,020	14.2	58,791	182,718	15.3	63,345	205,251	16.1	66,657	213,037
2030	425,406	14.2	60,408	182,700	15.3	65,087	205,231	16.1	68,490	213,016
2031	437,105	14.2	62,069	182,329	15.3	66,877	204,814	16.1	70,374	212,583

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	17.6%	\$60,265	\$ 229,833	18.1%	\$61,977	\$ 233,578	20.0%	\$68,482	\$ 262,655
2023	351,828	17.6	61,922	232,038	18.1	63,681	235,819	20.0	70,366	265,175
2024	361,503	17.6	63,625	234,015	18.1	65,432	237,828	20.0	72,301	267,435
2025	371,444	17.6	65,374	235,738	18.1	67,231	239,579	20.0	74,289	269,404
2026	381,659	17.6	67,172	237,179	18.1	69,080	241,043	20.0	76,332	271,051
2027	392,155	17.6	69,019	238,307	18.1	70,980	242,189	20.0	78,431	272,340
2028	402,939	17.6	70,917	239,088	18.1	72,932	242,983	20.0	80,588	273,232
2029	414,020	17.6	72,868	239,486	18.1	74,938	243,388	20.0	82,804	273,687
2030	425,406	17.6	74,871	239,463	18.1	76,998	243,365	20.0	85,081	273,661
2031	437,105	17.6	76,930	238,977	18.1	79,116	242,871	20.0	87,421	273,105

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - Police

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

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	8.5%	\$29,105	\$ 131,308	10.9%	\$37,323	\$ 164,183	10.3%	\$35,268	\$ 146,227
2023	351,828	8.5	29,905	132,568	10.9	38,349	165,758	10.3	36,238	147,630
2024	361,503	8.5	30,728	133,698	10.9	39,404	167,170	10.3	37,235	148,888
2025	371,444	8.5	31,573	134,683	10.9	40,487	168,401	10.3	38,259	149,984
2026	381,659	8.5	32,441	135,506	10.9	41,601	169,430	10.3	39,311	150,901
2027	392,155	8.5	33,333	136,150	10.9	42,745	170,235	10.3	40,392	151,618
2028	402,939	8.5	34,250	136,596	10.9	43,920	170,793	10.3	41,503	152,115
2029	414,020	8.5	35,192	136,824	10.9	45,128	171,078	10.3	42,644	152,368
2030	425,406	8.5	36,160	136,811	10.9	46,369	171,062	10.3	43,817	152,353
2031	437,105	8.5	37,154	136,533	10.9	47,644	170,715	10.3	45,022	152,044

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	12.3%	\$42,117	\$ 175,353	13.4%	\$45,883	\$ 196,978	14.2%	\$48,623	\$ 204,450
2023	351,828	12.3	43,275	177,035	13.4	47,145	198,868	14.2	49,960	206,411
2024	361,503	12.3	44,465	178,544	13.4	48,441	200,563	14.2	51,333	208,170
2025	371,444	12.3	45,688	179,859	13.4	49,773	202,040	14.2	52,745	209,703
2026	381,659	12.3	46,944	180,958	13.4	51,142	203,275	14.2	54,196	210,985
2027	392,155	12.3	48,235	181,818	13.4	52,549	204,241	14.2	55,686	211,988
2028	402,939	12.3	49,561	182,414	13.4	53,994	204,910	14.2	57,217	212,683
2029	414,020	12.3	50,924	182,718	13.4	55,479	205,251	14.2	58,791	213,037
2030	425,406	12.3	52,325	182,700	13.4	57,004	205,231	14.2	60,408	213,016
2031	437,105	12.3	53,764	182,329	13.4	58,572	204,814	14.2	62,069	212,583

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	15.7%	\$53,759	\$ 229,833	16.2%	\$55,471	\$ 233,578	18.1%	\$61,977	\$ 262,655
2023	351,828	15.7	55,237	232,038	16.2	56,996	235,819	18.1	63,681	265,175
2024	361,503	15.7	56,756	234,015	16.2	58,563	237,828	18.1	65,432	267,435
2025	371,444	15.7	58,317	235,738	16.2	60,174	239,579	18.1	67,231	269,404
2026	381,659	15.7	59,920	237,179	16.2	61,829	241,043	18.1	69,080	271,051
2027	392,155	15.7	61,568	238,307	16.2	63,529	242,189	18.1	70,980	272,340
2028	402,939	15.7	63,261	239,088	16.2	65,276	242,983	18.1	72,932	273,232
2029	414,020	15.7	65,001	239,486	16.2	67,071	243,388	18.1	74,938	273,687
2030	425,406	15.7	66,789	239,463	16.2	68,916	243,365	18.1	76,998	273,661
2031	437,105	15.7	68,625	238,977	16.2	70,811	242,871	18.1	79,116	273,105

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - Police

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

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	6.6%	\$22,599	\$ 131,308	9.0%	\$30,817	\$ 164,183	8.4%	\$28,763	\$ 146,227
2023	351,828	6.6	23,221	132,568	9.0	31,665	165,758	8.4	29,554	147,630
2024	361,503	6.6	23,859	133,698	9.0	32,535	167,170	8.4	30,366	148,888
2025	371,444	6.6	24,515	134,683	9.0	33,430	168,401	8.4	31,201	149,984
2026	381,659	6.6	25,189	135,506	9.0	34,349	169,430	8.4	32,059	150,901
2027	392,155	6.6	25,882	136,150	9.0	35,294	170,235	8.4	32,941	151,618
2028	402,939	6.6	26,594	136,596	9.0	36,265	170,793	8.4	33,847	152,115
2029	414,020	6.6	27,325	136,824	9.0	37,262	171,078	8.4	34,778	152,368
2030	425,406	6.6	28,077	136,811	9.0	38,287	171,062	8.4	35,734	152,353
2031	437,105	6.6	28,849	136,533	9.0	39,339	170,715	8.4	36,717	152,044

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	10.4%	\$35,611	\$ 175,353	11.5%	\$39,377	\$ 196,978	12.3%	\$42,117	\$ 204,450
2023	351,828	10.4	36,590	177,035	11.5	40,460	198,868	12.3	43,275	206,411
2024	361,503	10.4	37,596	178,544	11.5	41,573	200,563	12.3	44,465	208,170
2025	371,444	10.4	38,630	179,859	11.5	42,716	202,040	12.3	45,688	209,703
2026	381,659	10.4	39,693	180,958	11.5	43,891	203,275	12.3	46,944	210,985
2027	392,155	10.4	40,784	181,818	11.5	45,098	204,241	12.3	48,235	211,988
2028	402,939	10.4	41,906	182,414	11.5	46,338	204,910	12.3	49,561	212,683
2029	414,020	10.4	43,058	182,718	11.5	47,612	205,251	12.3	50,924	213,037
2030	425,406	10.4	44,242	182,700	11.5	48,922	205,231	12.3	52,325	213,016
2031	437,105	10.4	45,459	182,329	11.5	50,267	204,814	12.3	53,764	212,583

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	13.8%	\$47,253	\$ 229,833	14.3%	\$48,965	\$ 233,578	16.2%	\$55,471	\$ 262,655
2023	351,828	13.8	48,552	232,038	14.3	50,311	235,819	16.2	56,996	265,175
2024	361,503	13.8	49,887	234,015	14.3	51,695	237,828	16.2	58,563	267,435
2025	371,444	13.8	51,259	235,738	14.3	53,116	239,579	16.2	60,174	269,404
2026	381,659	13.8	52,669	237,179	14.3	54,577	241,043	16.2	61,829	271,051
2027	392,155	13.8	54,117	238,307	14.3	56,078	242,189	16.2	63,529	272,340
2028	402,939	13.8	55,606	239,088	14.3	57,620	242,983	16.2	65,276	273,232
2029	414,020	13.8	57,135	239,486	14.3	59,205	243,388	16.2	67,071	273,687
2030	425,406	13.8	58,706	239,463	14.3	60,833	243,365	16.2	68,916	273,661
2031	437,105	13.8	60,320	238,977	14.3	62,506	242,871	16.2	70,811	273,105

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - Police

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

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	4.7%	\$16,093	\$ 131,308	7.1%	\$24,311	\$ 164,183	6.5%	\$22,257	\$ 146,227
2023	351,828	4.7	16,536	132,568	7.1	24,980	165,758	6.5	22,869	147,630
2024	361,503	4.7	16,991	133,698	7.1	25,667	167,170	6.5	23,498	148,888
2025	371,444	4.7	17,458	134,683	7.1	26,373	168,401	6.5	24,144	149,984
2026	381,659	4.7	17,938	135,506	7.1	27,098	169,430	6.5	24,808	150,901
2027	392,155	4.7	18,431	136,150	7.1	27,843	170,235	6.5	25,490	151,618
2028	402,939	4.7	18,938	136,596	7.1	28,609	170,793	6.5	26,191	152,115
2029	414,020	4.7	19,459	136,824	7.1	29,395	171,078	6.5	26,911	152,368
2030	425,406	4.7	19,994	136,811	7.1	30,204	171,062	6.5	27,651	152,353
2031	437,105	4.7	20,544	136,533	7.1	31,034	170,715	6.5	28,412	152,044

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	8.5%	\$29,105	\$ 175,353	9.6%	\$32,872	\$ 196,978	10.4%	\$35,611	\$ 204,450
2023	351,828	8.5	29,905	177,035	9.6	33,775	198,868	10.4	36,590	206,411
2024	361,503	8.5	30,728	178,544	9.6	34,704	200,563	10.4	37,596	208,170
2025	371,444	8.5	31,573	179,859	9.6	35,659	202,040	10.4	38,630	209,703
2026	381,659	8.5	32,441	180,958	9.6	36,639	203,275	10.4	39,693	210,985
2027	392,155	8.5	33,333	181,818	9.6	37,647	204,241	10.4	40,784	211,988
2028	402,939	8.5	34,250	182,414	9.6	38,682	204,910	10.4	41,906	212,683
2029	414,020	8.5	35,192	182,718	9.6	39,746	205,251	10.4	43,058	213,037
2030	425,406	8.5	36,160	182,700	9.6	40,839	205,231	10.4	44,242	213,016
2031	437,105	8.5	37,154	182,329	9.6	41,962	204,814	10.4	45,459	212,583

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	11.9%	\$40,747	\$ 229,833	12.4%	\$42,459	\$ 233,578	14.3%	\$48,965	\$ 262,655
2023	351,828	11.9	41,868	232,038	12.4	43,627	235,819	14.3	50,311	265,175
2024	361,503	11.9	43,019	234,015	12.4	44,826	237,828	14.3	51,695	267,435
2025	371,444	11.9	44,202	235,738	12.4	46,059	239,579	14.3	53,116	269,404
2026	381,659	11.9	45,417	237,179	12.4	47,326	241,043	14.3	54,577	271,051
2027	392,155	11.9	46,666	238,307	12.4	48,627	242,189	14.3	56,078	272,340
2028	402,939	11.9	47,950	239,088	12.4	49,964	242,983	14.3	57,620	273,232
2029	414,020	11.9	49,268	239,486	12.4	51,338	243,388	14.3	59,205	273,687
2030	425,406	11.9	50,623	239,463	12.4	52,750	243,365	14.3	60,833	273,661
2031	437,105	11.9	52,015	238,977	12.4	54,201	242,871	14.3	62,506	273,105

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - Police

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

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2022	\$ 342,412	10.8%	\$36,980	\$ 135,910	13.2%	\$45,198	\$ 169,863	12.6%	\$43,144	\$ 151,365
2023	351,828	10.8	37,997	137,214	13.2	46,441	171,492	12.6	44,330	152,817
2024	361,503	10.8	39,042	138,383	13.2	47,718	172,953	12.6	45,549	154,119
2025	371,444	10.8	40,116	139,402	13.2	49,031	174,227	12.6	46,802	155,254
2026	381,659	10.8	41,219	140,254	13.2	50,379	175,292	12.6	48,089	156,203
2027	392,155	10.8	42,353	140,921	13.2	51,764	176,125	12.6	49,412	156,946
2028	402,939	10.8	43,517	141,383	13.2	53,188	176,702	12.6	50,770	157,460
2029	414,020	10.8	44,714	141,619	13.2	54,651	176,996	12.6	52,167	157,722
2030	425,406	10.8	45,944	141,605	13.2	56,154	176,979	12.6	53,601	157,707
2031	437,105	10.8	47,207	141,317	13.2	57,698	176,620	12.6	55,075	157,387

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 342,412	14.6%	\$49,992	\$ 181,487	15.7%	\$53,759	\$ 203,810	16.6%	\$56,840	\$ 211,543
2023	351,828	14.6	51,367	183,228	15.7	55,237	205,765	16.6	58,403	213,572
2024	361,503	14.6	52,779	184,789	15.7	56,756	207,518	16.6	60,009	215,392
2025	371,444	14.6	54,231	186,150	15.7	58,317	209,046	16.6	61,660	216,978
2026	381,659	14.6	55,722	187,288	15.7	59,920	210,324	16.6	63,355	218,304
2027	392,155	14.6	57,255	188,178	15.7	61,568	211,324	16.6	65,098	219,342
2028	402,939	14.6	58,829	188,795	15.7	63,261	212,017	16.6	66,888	220,061
2029	414,020	14.6	60,447	189,110	15.7	65,001	212,370	16.6	68,727	220,428
2030	425,406	14.6	62,109	189,092	15.7	66,789	212,350	16.6	70,617	220,407
2031	437,105	14.6	63,817	188,708	15.7	68,625	211,919	16.6	72,559	219,959

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2022	\$ 342,412	18.2%	\$62,319	\$ 237,843	18.6%	\$63,689	\$ 241,700	20.6%	\$70,537	\$ 271,819
2023	351,828	18.2	64,033	240,125	18.6	65,440	244,019	20.6	72,477	274,426
2024	361,503	18.2	65,794	242,171	18.6	67,240	246,098	20.6	74,470	276,764
2025	371,444	18.2	67,603	243,954	18.6	69,089	247,910	20.6	76,517	278,802
2026	381,659	18.2	69,462	245,445	18.6	70,989	249,425	20.6	78,622	280,506
2027	392,155	18.2	71,372	246,612	18.6	72,941	250,611	20.6	80,784	281,840
2028	402,939	18.2	73,335	247,420	18.6	74,947	251,432	20.6	83,005	282,764
2029	414,020	18.2	75,352	247,832	18.6	77,008	251,851	20.6	85,288	283,235
2030	425,406	18.2	77,424	247,808	18.6	79,126	251,827	20.6	87,634	283,208
2031	437,105	18.2	79,553	247,305	18.6	81,302	251,316	20.6	90,044	282,633

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# City of Branson West - Police

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

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	8.9%	\$30,475	\$ 135,910	11.3%	\$38,693	\$ 169,863	10.7%	\$36,638	\$ 151,365
2023	351,828	8.9	31,313	137,214	11.3	39,757	171,492	10.7	37,646	152,817
2024	361,503	8.9	32,174	138,383	11.3	40,850	172,953	10.7	38,681	154,119
2025	371,444	8.9	33,059	139,402	11.3	41,973	174,227	10.7	39,745	155,254
2026	381,659	8.9	33,968	140,254	11.3	43,127	175,292	10.7	40,838	156,203
2027	392,155	8.9	34,902	140,921	11.3	44,314	176,125	10.7	41,961	156,946
2028	402,939	8.9	35,862	141,383	11.3	45,532	176,702	10.7	43,114	157,460
2029	414,020	8.9	36,848	141,619	11.3	46,784	176,996	10.7	44,300	157,722
2030	425,406	8.9	37,861	141,605	11.3	48,071	176,979	10.7	45,518	157,707
2031	437,105	8.9	38,902	141,317	11.3	49,393	176,620	10.7	46,770	157,387

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	12.7%	\$43,486	\$ 181,487	13.8%	\$47,253	\$ 203,810	14.7%	\$50,335	\$ 211,543
2023	351,828	12.7	44,682	183,228	13.8	48,552	205,765	14.7	51,719	213,572
2024	361,503	12.7	45,911	184,789	13.8	49,887	207,518	14.7	53,141	215,392
2025	371,444	12.7	47,173	186,150	13.8	51,259	209,046	14.7	54,602	216,978
2026	381,659	12.7	48,471	187,288	13.8	52,669	210,324	14.7	56,104	218,304
2027	392,155	12.7	49,804	188,178	13.8	54,117	211,324	14.7	57,647	219,342
2028	402,939	12.7	51,173	188,795	13.8	55,606	212,017	14.7	59,232	220,061
2029	414,020	12.7	52,581	189,110	13.8	57,135	212,370	14.7	60,861	220,428
2030	425,406	12.7	54,027	189,092	13.8	58,706	212,350	14.7	62,535	220,407
2031	437,105	12.7	55,512	188,708	13.8	60,320	211,919	14.7	64,254	219,959

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	16.3%	\$55,813	\$ 237,843	16.7%	\$57,183	\$ 241,700	18.7%	\$64,031	\$ 271,819
2023	351,828	16.3	57,348	240,125	16.7	58,755	244,019	18.7	65,792	274,426
2024	361,503	16.3	58,925	242,171	16.7	60,371	246,098	18.7	67,601	276,764
2025	371,444	16.3	60,545	243,954	16.7	62,031	247,910	18.7	69,460	278,802
2026	381,659	16.3	62,210	245,445	16.7	63,737	249,425	18.7	71,370	280,506
2027	392,155	16.3	63,921	246,612	16.7	65,490	250,611	18.7	73,333	281,840
2028	402,939	16.3	65,679	247,420	16.7	67,291	251,432	18.7	75,350	282,764
2029	414,020	16.3	67,485	247,832	16.7	69,141	251,851	18.7	77,422	283,235
2030	425,406	16.3	69,341	247,808	16.7	71,043	251,827	18.7	79,551	283,208
2031	437,105	16.3	71,248	247,305	16.7	72,997	251,316	18.7	81,739	282,633

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# City of Branson West - Police

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

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	7.0%	\$23,969	\$ 135,910	9.4%	\$32,187	\$ 169,863	8.8%	\$30,132	\$ 151,365
2023	351,828	7.0	24,628	137,214	9.4	33,072	171,492	8.8	30,961	152,817
2024	361,503	7.0	25,305	138,383	9.4	33,981	172,953	8.8	31,812	154,119
2025	371,444	7.0	26,001	139,402	9.4	34,916	174,227	8.8	32,687	155,254
2026	381,659	7.0	26,716	140,254	9.4	35,876	175,292	8.8	33,586	156,203
2027	392,155	7.0	27,451	140,921	9.4	36,863	176,125	8.8	34,510	156,946
2028	402,939	7.0	28,206	141,383	9.4	37,876	176,702	8.8	35,459	157,460
2029	414,020	7.0	28,981	141,619	9.4	38,918	176,996	8.8	36,434	157,722
2030	425,406	7.0	29,778	141,605	9.4	39,988	176,979	8.8	37,436	157,707
2031	437,105	7.0	30,597	141,317	9.4	41,088	176,620	8.8	38,465	157,387

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	10.8%	\$36,980	\$ 181,487	11.9%	\$40,747	\$ 203,810	12.8%	\$43,829	\$ 211,543
2023	351,828	10.8	37,997	183,228	11.9	41,868	205,765	12.8	45,034	213,572
2024	361,503	10.8	39,042	184,789	11.9	43,019	207,518	12.8	46,272	215,392
2025	371,444	10.8	40,116	186,150	11.9	44,202	209,046	12.8	47,545	216,978
2026	381,659	10.8	41,219	187,288	11.9	45,417	210,324	12.8	48,852	218,304
2027	392,155	10.8	42,353	188,178	11.9	46,666	211,324	12.8	50,196	219,342
2028	402,939	10.8	43,517	188,795	11.9	47,950	212,017	12.8	51,576	220,061
2029	414,020	10.8	44,714	189,110	11.9	49,268	212,370	12.8	52,995	220,428
2030	425,406	10.8	45,944	189,092	11.9	50,623	212,350	12.8	54,452	220,407
2031	437,105	10.8	47,207	188,708	11.9	52,015	211,919	12.8	55,949	219,959

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	14.4%	\$49,307	\$ 237,843	14.8%	\$50,677	\$ 241,700	16.8%	\$57,525	\$ 271,819
2023	351,828	14.4	50,663	240,125	14.8	52,071	244,019	16.8	59,107	274,426
2024	361,503	14.4	52,056	242,171	14.8	53,502	246,098	16.8	60,733	276,764
2025	371,444	14.4	53,488	243,954	14.8	54,974	247,910	16.8	62,403	278,802
2026	381,659	14.4	54,959	245,445	14.8	56,486	249,425	16.8	64,119	280,506
2027	392,155	14.4	56,470	246,612	14.8	58,039	250,611	16.8	65,882	281,840
2028	402,939	14.4	58,023	247,420	14.8	59,635	251,432	16.8	67,694	282,764
2029	414,020	14.4	59,619	247,832	14.8	61,275	251,851	16.8	69,555	283,235
2030	425,406	14.4	61,258	247,808	14.8	62,960	251,827	16.8	71,468	283,208
2031	437,105	14.4	62,943	247,305	14.8	64,692	251,316	16.8	73,434	282,633

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - Police

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

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	5.1%	\$17,463	\$ 135,910	7.5%	\$25,681	\$ 169,863	6.9%	\$23,626	\$ 151,365
2023	351,828	5.1	17,943	137,214	7.5	26,387	171,492	6.9	24,276	152,817
2024	361,503	5.1	18,437	138,383	7.5	27,113	172,953	6.9	24,944	154,119
2025	371,444	5.1	18,944	139,402	7.5	27,858	174,227	6.9	25,630	155,254
2026	381,659	5.1	19,465	140,254	7.5	28,624	175,292	6.9	26,334	156,203
2027	392,155	5.1	20,000	140,921	7.5	29,412	176,125	6.9	27,059	156,946
2028	402,939	5.1	20,550	141,383	7.5	30,220	176,702	6.9	27,803	157,460
2029	414,020	5.1	21,115	141,619	7.5	31,052	176,996	6.9	28,567	157,722
2030	425,406	5.1	21,696	141,605	7.5	31,905	176,979	6.9	29,353	157,707
2031	437,105	5.1	22,292	141,317	7.5	32,783	176,620	6.9	30,160	157,387

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	8.9%	\$30,475	\$ 181,487	10.0%	\$34,241	\$ 203,810	10.9%	\$37,323	\$ 211,543
2023	351,828	8.9	31,313	183,228	10.0	35,183	205,765	10.9	38,349	213,572
2024	361,503	8.9	32,174	184,789	10.0	36,150	207,518	10.9	39,404	215,392
2025	371,444	8.9	33,059	186,150	10.0	37,144	209,046	10.9	40,487	216,978
2026	381,659	8.9	33,968	187,288	10.0	38,166	210,324	10.9	41,601	218,304
2027	392,155	8.9	34,902	188,178	10.0	39,216	211,324	10.9	42,745	219,342
2028	402,939	8.9	35,862	188,795	10.0	40,294	212,017	10.9	43,920	220,061
2029	414,020	8.9	36,848	189,110	10.0	41,402	212,370	10.9	45,128	220,428
2030	425,406	8.9	37,861	189,092	10.0	42,541	212,350	10.9	46,369	220,407
2031	437,105	8.9	38,902	188,708	10.0	43,711	211,919	10.9	47,644	219,959

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	12.5%	\$42,802	\$ 237,843	12.9%	\$44,171	\$ 241,700	14.9%	\$51,019	\$ 271,819
2023	351,828	12.5	43,979	240,125	12.9	45,386	244,019	14.9	52,422	274,426
2024	361,503	12.5	45,188	242,171	12.9	46,634	246,098	14.9	53,864	276,764
2025	371,444	12.5	46,431	243,954	12.9	47,916	247,910	14.9	55,345	278,802
2026	381,659	12.5	47,707	245,445	12.9	49,234	249,425	14.9	56,867	280,506
2027	392,155	12.5	49,019	246,612	12.9	50,588	250,611	14.9	58,431	281,840
2028	402,939	12.5	50,367	247,420	12.9	51,979	251,432	14.9	60,038	282,764
2029	414,020	12.5	51,753	247,832	12.9	53,409	251,851	14.9	61,689	283,235
2030	425,406	12.5	53,176	247,808	12.9	54,877	251,827	14.9	63,385	283,208
2031	437,105	12.5	54,638	247,305	12.9	56,387	251,316	14.9	65,129	282,633

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - Police

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

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	10.6%	\$36,296	\$ 133,147	13.0%	\$44,514	\$ 166,485	12.6%	\$43,144	\$ 151,023
2023	351,828	10.6	37,294	134,424	13.0	45,738	168,082	12.6	44,330	152,472
2024	361,503	10.6	38,319	135,569	13.0	46,995	169,514	12.6	45,549	153,771
2025	371,444	10.6	39,373	136,567	13.0	48,288	170,762	12.6	46,802	154,903
2026	381,659	10.6	40,456	137,402	13.0	49,616	171,806	12.6	48,089	155,850
2027	392,155	10.6	41,568	138,055	13.0	50,980	172,623	12.6	49,412	156,591
2028	402,939	10.6	42,712	138,507	13.0	52,382	173,189	12.6	50,770	157,104
2029	414,020	10.6	43,886	138,738	13.0	53,823	173,478	12.6	52,167	157,366
2030	425,406	10.6	45,093	138,725	13.0	55,303	173,461	12.6	53,601	157,351
2031	437,105	10.6	46,333	138,443	13.0	56,824	173,109	12.6	55,075	157,031

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	14.5%	\$49,650	\$ 179,870	15.4%	\$52,731	\$ 199,729	16.4%	\$56,156	\$ 208,688
2023	351,828	14.5	51,015	181,595	15.4	54,182	201,645	16.4	57,700	210,690
2024	361,503	14.5	52,418	183,142	15.4	55,671	203,363	16.4	59,286	212,485
2025	371,444	14.5	53,859	184,491	15.4	57,202	204,861	16.4	60,917	214,050
2026	381,659	14.5	55,341	185,619	15.4	58,775	206,113	16.4	62,592	215,358
2027	392,155	14.5	56,862	186,501	15.4	60,392	207,093	16.4	64,313	216,382
2028	402,939	14.5	58,426	187,112	15.4	62,053	207,772	16.4	66,082	217,091
2029	414,020	14.5	60,033	187,424	15.4	63,759	208,118	16.4	67,899	217,453
2030	425,406	14.5	61,684	187,406	15.4	65,513	208,098	16.4	69,767	217,432
2031	437,105	14.5	63,380	187,025	15.4	67,314	207,675	16.4	71,685	216,990

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	17.9%	\$61,292	\$ 233,051	18.4%	\$63,004	\$ 237,529	20.2%	\$69,167	\$ 266,324
2023	351,828	17.9	62,977	235,287	18.4	64,736	239,808	20.2	71,069	268,879
2024	361,503	17.9	64,709	237,292	18.4	66,517	241,851	20.2	73,024	271,170
2025	371,444	17.9	66,488	239,039	18.4	68,346	243,632	20.2	75,032	273,167
2026	381,659	17.9	68,317	240,500	18.4	70,225	245,121	20.2	77,095	274,837
2027	392,155	17.9	70,196	241,643	18.4	72,157	246,286	20.2	79,215	276,144
2028	402,939	17.9	72,126	242,435	18.4	74,141	247,093	20.2	81,394	277,049
2029	414,020	17.9	74,110	242,839	18.4	76,180	247,505	20.2	83,632	277,511
2030	425,406	17.9	76,148	242,816	18.4	78,275	247,481	20.2	85,932	277,484
2031	437,105	17.9	78,242	242,323	18.4	80,427	246,978	20.2	88,295	276,920

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - Police

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

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	8.7%	\$29,790	\$ 133,147	11.1%	\$38,008	\$ 166,485	10.7%	\$36,638	\$ 151,023
2023	351,828	8.7	30,609	134,424	11.1	39,053	168,082	10.7	37,646	152,472
2024	361,503	8.7	31,451	135,569	11.1	40,127	169,514	10.7	38,681	153,771
2025	371,444	8.7	32,316	136,567	11.1	41,230	170,762	10.7	39,745	154,903
2026	381,659	8.7	33,204	137,402	11.1	42,364	171,806	10.7	40,838	155,850
2027	392,155	8.7	34,117	138,055	11.1	43,529	172,623	10.7	41,961	156,591
2028	402,939	8.7	35,056	138,507	11.1	44,726	173,189	10.7	43,114	157,104
2029	414,020	8.7	36,020	138,738	11.1	45,956	173,478	10.7	44,300	157,366
2030	425,406	8.7	37,010	138,725	11.1	47,220	173,461	10.7	45,518	157,351
2031	437,105	8.7	38,028	138,443	11.1	48,519	173,109	10.7	46,770	157,031

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	12.6%	\$43,144	\$ 179,870	13.5%	\$46,226	\$ 199,729	14.5%	\$49,650	\$ 208,688
2023	351,828	12.6	44,330	181,595	13.5	47,497	201,645	14.5	51,015	210,690
2024	361,503	12.6	45,549	183,142	13.5	48,803	203,363	14.5	52,418	212,485
2025	371,444	12.6	46,802	184,491	13.5	50,145	204,861	14.5	53,859	214,050
2026	381,659	12.6	48,089	185,619	13.5	51,524	206,113	14.5	55,341	215,358
2027	392,155	12.6	49,412	186,501	13.5	52,941	207,093	14.5	56,862	216,382
2028	402,939	12.6	50,770	187,112	13.5	54,397	207,772	14.5	58,426	217,091
2029	414,020	12.6	52,167	187,424	13.5	55,893	208,118	14.5	60,033	217,453
2030	425,406	12.6	53,601	187,406	13.5	57,430	208,098	14.5	61,684	217,432
2031	437,105	12.6	55,075	187,025	13.5	59,009	207,675	14.5	63,380	216,990

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	16.0%	\$54,786	\$ 233,051	16.5%	\$56,498	\$ 237,529	18.3%	\$62,661	\$ 266,324
2023	351,828	16.0	56,292	235,287	16.5	58,052	239,808	18.3	64,385	268,879
2024	361,503	16.0	57,840	237,292	16.5	59,648	241,851	18.3	66,155	271,170
2025	371,444	16.0	59,431	239,039	16.5	61,288	243,632	18.3	67,974	273,167
2026	381,659	16.0	61,065	240,500	16.5	62,974	245,121	18.3	69,844	274,837
2027	392,155	16.0	62,745	241,643	16.5	64,706	246,286	18.3	71,764	276,144
2028	402,939	16.0	64,470	242,435	16.5	66,485	247,093	18.3	73,738	277,049
2029	414,020	16.0	66,243	242,839	16.5	68,313	247,505	18.3	75,766	277,511
2030	425,406	16.0	68,065	242,816	16.5	70,192	247,481	18.3	77,849	277,484
2031	437,105	16.0	69,937	242,323	16.5	72,122	246,978	18.3	79,990	276,920

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - Police

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

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	6.8%	\$23,284	\$ 133,147	9.2%	\$31,502	\$ 166,485	8.8%	\$30,132	\$ 151,023
2023	351,828	6.8	23,924	134,424	9.2	32,368	168,082	8.8	30,961	152,472
2024	361,503	6.8	24,582	135,569	9.2	33,258	169,514	8.8	31,812	153,771
2025	371,444	6.8	25,258	136,567	9.2	34,173	170,762	8.8	32,687	154,903
2026	381,659	6.8	25,953	137,402	9.2	35,113	171,806	8.8	33,586	155,850
2027	392,155	6.8	26,667	138,055	9.2	36,078	172,623	8.8	34,510	156,591
2028	402,939	6.8	27,400	138,507	9.2	37,070	173,189	8.8	35,459	157,104
2029	414,020	6.8	28,153	138,738	9.2	38,090	173,478	8.8	36,434	157,366
2030	425,406	6.8	28,928	138,725	9.2	39,137	173,461	8.8	37,436	157,351
2031	437,105	6.8	29,723	138,443	9.2	40,214	173,109	8.8	38,465	157,031

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	10.7%	\$36,638	\$ 179,870	11.6%	\$39,720	\$ 199,729	12.6%	\$43,144	\$ 208,688
2023	351,828	10.7	37,646	181,595	11.6	40,812	201,645	12.6	44,330	210,690
2024	361,503	10.7	38,681	183,142	11.6	41,934	203,363	12.6	45,549	212,485
2025	371,444	10.7	39,745	184,491	11.6	43,088	204,861	12.6	46,802	214,050
2026	381,659	10.7	40,838	185,619	11.6	44,272	206,113	12.6	48,089	215,358
2027	392,155	10.7	41,961	186,501	11.6	45,490	207,093	12.6	49,412	216,382
2028	402,939	10.7	43,114	187,112	11.6	46,741	207,772	12.6	50,770	217,091
2029	414,020	10.7	44,300	187,424	11.6	48,026	208,118	12.6	52,167	217,453
2030	425,406	10.7	45,518	187,406	11.6	49,347	208,098	12.6	53,601	217,432
2031	437,105	10.7	46,770	187,025	11.6	50,704	207,675	12.6	55,075	216,990

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	14.1%	\$48,280	\$ 233,051	14.6%	\$49,992	\$ 237,529	16.4%	\$56,156	\$ 266,324
2023	351,828	14.1	49,608	235,287	14.6	51,367	239,808	16.4	57,700	268,879
2024	361,503	14.1	50,972	237,292	14.6	52,779	241,851	16.4	59,286	271,170
2025	371,444	14.1	52,374	239,039	14.6	54,231	243,632	16.4	60,917	273,167
2026	381,659	14.1	53,814	240,500	14.6	55,722	245,121	16.4	62,592	274,837
2027	392,155	14.1	55,294	241,643	14.6	57,255	246,286	16.4	64,313	276,144
2028	402,939	14.1	56,814	242,435	14.6	58,829	247,093	16.4	66,082	277,049
2029	414,020	14.1	58,377	242,839	14.6	60,447	247,505	16.4	67,899	277,511
2030	425,406	14.1	59,982	242,816	14.6	62,109	247,481	16.4	69,767	277,484
2031	437,105	14.1	61,632	242,323	14.6	63,817	246,978	16.4	71,685	276,920

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - Police

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

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	4.9%	\$16,778	\$ 133,147	7.3%	\$24,996	\$ 166,485	6.9%	\$23,626	\$ 151,023
2023	351,828	4.9	17,240	134,424	7.3	25,683	168,082	6.9	24,276	152,472
2024	361,503	4.9	17,714	135,569	7.3	26,390	169,514	6.9	24,944	153,771
2025	371,444	4.9	18,201	136,567	7.3	27,115	170,762	6.9	25,630	154,903
2026	381,659	4.9	18,701	137,402	7.3	27,861	171,806	6.9	26,334	155,850
2027	392,155	4.9	19,216	138,055	7.3	28,627	172,623	6.9	27,059	156,591
2028	402,939	4.9	19,744	138,507	7.3	29,415	173,189	6.9	27,803	157,104
2029	414,020	4.9	20,287	138,738	7.3	30,223	173,478	6.9	28,567	157,366
2030	425,406	4.9	20,845	138,725	7.3	31,055	173,461	6.9	29,353	157,351
2031	437,105	4.9	21,418	138,443	7.3	31,909	173,109	6.9	30,160	157,031

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	8.8%	\$30,132	\$ 179,870	9.7%	\$33,214	\$ 199,729	10.7%	\$36,638	\$ 208,688
2023	351,828	8.8	30,961	181,595	9.7	34,127	201,645	10.7	37,646	210,690
2024	361,503	8.8	31,812	183,142	9.7	35,066	203,363	10.7	38,681	212,485
2025	371,444	8.8	32,687	184,491	9.7	36,030	204,861	10.7	39,745	214,050
2026	381,659	8.8	33,586	185,619	9.7	37,021	206,113	10.7	40,838	215,358
2027	392,155	8.8	34,510	186,501	9.7	38,039	207,093	10.7	41,961	216,382
2028	402,939	8.8	35,459	187,112	9.7	39,085	207,772	10.7	43,114	217,091
2029	414,020	8.8	36,434	187,424	9.7	40,160	208,118	10.7	44,300	217,453
2030	425,406	8.8	37,436	187,406	9.7	41,264	208,098	10.7	45,518	217,432
2031	437,105	8.8	38,465	187,025	9.7	42,399	207,675	10.7	46,770	216,990

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	12.2%	\$41,774	\$ 233,051	12.7%	\$43,486	\$ 237,529	14.5%	\$49,650	\$ 266,324
2023	351,828	12.2	42,923	235,287	12.7	44,682	239,808	14.5	51,015	268,879
2024	361,503	12.2	44,103	237,292	12.7	45,911	241,851	14.5	52,418	271,170
2025	371,444	12.2	45,316	239,039	12.7	47,173	243,632	14.5	53,859	273,167
2026	381,659	12.2	46,562	240,500	12.7	48,471	245,121	14.5	55,341	274,837
2027	392,155	12.2	47,843	241,643	12.7	49,804	246,286	14.5	56,862	276,144
2028	402,939	12.2	49,159	242,435	12.7	51,173	247,093	14.5	58,426	277,049
2029	414,020	12.2	50,510	242,839	12.7	52,581	247,505	14.5	60,033	277,511
2030	425,406	12.2	51,900	242,816	12.7	54,027	247,481	14.5	61,684	277,484
2031	437,105	12.2	53,327	242,323	12.7	55,512	246,978	14.5	63,380	276,920

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - Police

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

### Rule of 80 Retirement Eligibility

		L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
Valuation Year	Estimated Projected Payroll	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	\$ 342,412	11.0%	\$37,665	\$ 137,828	13.4%	\$45,883	\$ 172,301	13.0%	\$44,514	\$ 156,340
2023	351,828	11.0	38,701	139,150	13.4	47,145	173,954	13.0	45,738	157,840
2024	361,503	11.0	39,765	140,336	13.4	48,441	175,436	13.0	46,995	159,185
2025	371,444	11.0	40,859	141,369	13.4	49,773	176,728	13.0	48,288	160,357
2026	381,659	11.0	41,982	142,233	13.4	51,142	177,808	13.0	49,616	161,337
2027	392,155	11.0	43,137	142,909	13.4	52,549	178,653	13.0	50,980	162,104
2028	402,939	11.0	44,323	143,377	13.4	53,994	179,238	13.0	52,382	162,635
2029	414,020	11.0	45,542	143,616	13.4	55,479	179,537	13.0	53,823	162,906
2030	425,406	11.0	46,795	143,602	13.4	57,004	179,520	13.0	55,303	162,890
2031	437,105	11.0	48,082	143,310	13.4	58,572	179,155	13.0	56,824	162,559

		LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
Valuation Year	Estimated Projected Payroll	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	\$ 342,412	15.0%	\$51,362	\$ 186,215	15.9%	\$54,444	\$ 206,718	16.9%	\$57,868	\$ 216,024
2023	351,828	15.0	52,774	188,001	15.9	55,941	208,701	16.9	59,459	218,096
2024	361,503	15.0	54,225	189,603	15.9	57,479	210,479	16.9	61,094	219,954
2025	371,444	15.0	55,717	190,999	15.9	59,060	212,029	16.9	62,774	221,574
2026	381,659	15.0	57,249	192,166	15.9	60,684	213,325	16.9	64,500	222,928
2027	392,155	15.0	58,823	193,080	15.9	62,353	214,339	16.9	66,274	223,988
2028	402,939	15.0	60,441	193,713	15.9	64,067	215,041	16.9	68,097	224,722
2029	414,020	15.0	62,103	194,036	15.9	65,829	215,399	16.9	69,969	225,096
2030	425,406	15.0	63,811	194,017	15.9	67,640	215,378	16.9	71,894	225,074
2031	437,105	15.0	65,566	193,623	15.9	69,500	214,941	16.9	73,871	224,617

		L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
Valuation Year	Estimated Projected Payroll	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2022	\$ 342,412	18.4%	\$63,004	\$ 241,241	18.9%	\$64,716	\$ 245,875	20.9%	\$71,564	\$ 275,661
2023	351,828	18.4	64,736	243,555	18.9	66,495	248,234	20.9	73,532	278,305
2024	361,503	18.4	66,517	245,630	18.9	68,324	250,349	20.9	75,554	280,676
2025	371,444	18.4	68,346	247,439	18.9	70,203	252,193	20.9	77,632	282,743
2026	381,659	18.4	70,225	248,951	18.9	72,134	253,734	20.9	79,767	284,471
2027	392,155	18.4	72,157	250,135	18.9	74,117	254,940	20.9	81,960	285,823
2028	402,939	18.4	74,141	250,955	18.9	76,155	255,775	20.9	84,214	286,760
2029	414,020	18.4	76,180	251,373	18.9	78,250	256,201	20.9	86,530	287,238
2030	425,406	18.4	78,275	251,349	18.9	80,402	256,176	20.9	88,910	287,210
2031	437,105	18.4	80,427	250,839	18.9	82,613	255,656	20.9	91,355	286,627

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# City of Branson West - Police

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

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	9.1%	\$31,159	\$ 137,828	11.5%	\$39,377	\$ 172,301	11.1%	\$38,008	\$ 156,340
2023	351,828	9.1	32,016	139,150	11.5	40,460	173,954	11.1	39,053	157,840
2024	361,503	9.1	32,897	140,336	11.5	41,573	175,436	11.1	40,127	159,185
2025	371,444	9.1	33,801	141,369	11.5	42,716	176,728	11.1	41,230	160,357
2026	381,659	9.1	34,731	142,233	11.5	43,891	177,808	11.1	42,364	161,337
2027	392,155	9.1	35,686	142,909	11.5	45,098	178,653	11.1	43,529	162,104
2028	402,939	9.1	36,667	143,377	11.5	46,338	179,238	11.1	44,726	162,635
2029	414,020	9.1	37,676	143,616	11.5	47,612	179,537	11.1	45,956	162,906
2030	425,406	9.1	38,712	143,602	11.5	48,922	179,520	11.1	47,220	162,890
2031	437,105	9.1	39,777	143,310	11.5	50,267	179,155	11.1	48,519	162,559

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	13.1%	\$44,856	\$ 186,215	14.0%	\$47,938	\$ 206,718	15.0%	\$51,362	\$ 216,024
2023	351,828	13.1	46,089	188,001	14.0	49,256	208,701	15.0	52,774	218,096
2024	361,503	13.1	47,357	189,603	14.0	50,610	210,479	15.0	54,225	219,954
2025	371,444	13.1	48,659	190,999	14.0	52,002	212,029	15.0	55,717	221,574
2026	381,659	13.1	49,997	192,166	14.0	53,432	213,325	15.0	57,249	222,928
2027	392,155	13.1	51,372	193,080	14.0	54,902	214,339	15.0	58,823	223,988
2028	402,939	13.1	52,785	193,713	14.0	56,411	215,041	15.0	60,441	224,722
2029	414,020	13.1	54,237	194,036	14.0	57,963	215,399	15.0	62,103	225,096
2030	425,406	13.1	55,728	194,017	14.0	59,557	215,378	15.0	63,811	225,074
2031	437,105	13.1	57,261	193,623	14.0	61,195	214,941	15.0	65,566	224,617

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	16.5%	\$56,498	\$ 241,241	17.0%	\$58,210	\$ 245,875	19.0%	\$65,058	\$ 275,661
2023	351,828	16.5	58,052	243,555	17.0	59,811	248,234	19.0	66,847	278,305
2024	361,503	16.5	59,648	245,630	17.0	61,456	250,349	19.0	68,686	280,676
2025	371,444	16.5	61,288	247,439	17.0	63,145	252,193	19.0	70,574	282,743
2026	381,659	16.5	62,974	248,951	17.0	64,882	253,734	19.0	72,515	284,471
2027	392,155	16.5	64,706	250,135	17.0	66,666	254,940	19.0	74,509	285,823
2028	402,939	16.5	66,485	250,955	17.0	68,500	255,775	19.0	76,558	286,760
2029	414,020	16.5	68,313	251,373	17.0	70,383	256,201	19.0	78,664	287,238
2030	425,406	16.5	70,192	251,349	17.0	72,319	256,176	19.0	80,827	287,210
2031	437,105	16.5	72,122	250,839	17.0	74,308	255,656	19.0	83,050	286,627

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# City of Branson West - Police

## 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
2022	\$ 342,412	7.2%	\$24,654	\$ 137,828	9.6%	\$32,872	\$ 172,301	9.2%	\$31,502	\$ 156,340
2023	351,828	7.2	25,332	139,150	9.6	33,775	173,954	9.2	32,368	157,840
2024	361,503	7.2	26,028	140,336	9.6	34,704	175,436	9.2	33,258	159,185
2025	371,444	7.2	26,744	141,369	9.6	35,659	176,728	9.2	34,173	160,357
2026	381,659	7.2	27,479	142,233	9.6	36,639	177,808	9.2	35,113	161,337
2027	392,155	7.2	28,235	142,909	9.6	37,647	178,653	9.2	36,078	162,104
2028	402,939	7.2	29,012	143,377	9.6	38,682	179,238	9.2	37,070	162,635
2029	414,020	7.2	29,809	143,616	9.6	39,746	179,537	9.2	38,090	162,906
2030	425,406	7.2	30,629	143,602	9.6	40,839	179,520	9.2	39,137	162,890
2031	437,105	7.2	31,472	143,310	9.6	41,962	179,155	9.2	40,214	162,559

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	11.2%	\$38,350	\$ 186,215	12.1%	\$41,432	\$ 206,718	13.1%	\$44,856	\$ 216,024
2023	351,828	11.2	39,405	188,001	12.1	42,571	208,701	13.1	46,089	218,096
2024	361,503	11.2	40,488	189,603	12.1	43,742	210,479	13.1	47,357	219,954
2025	371,444	11.2	41,602	190,999	12.1	44,945	212,029	13.1	48,659	221,574
2026	381,659	11.2	42,746	192,166	12.1	46,181	213,325	13.1	49,997	222,928
2027	392,155	11.2	43,921	193,080	12.1	47,451	214,339	13.1	51,372	223,988
2028	402,939	11.2	45,129	193,713	12.1	48,756	215,041	13.1	52,785	224,722
2029	414,020	11.2	46,370	194,036	12.1	50,096	215,399	13.1	54,237	225,096
2030	425,406	11.2	47,645	194,017	12.1	51,474	215,378	13.1	55,728	225,074
2031	437,105	11.2	48,956	193,623	12.1	52,890	214,941	13.1	57,261	224,617

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	14.6%	\$49,992	\$ 241,241	15.1%	\$51,704	\$ 245,875	17.1%	\$58,552	\$ 275,661
2023	351,828	14.6	51,367	243,555	15.1	53,126	248,234	17.1	60,163	278,305
2024	361,503	14.6	52,779	245,630	15.1	54,587	250,349	17.1	61,817	280,676
2025	371,444	14.6	54,231	247,439	15.1	56,088	252,193	17.1	63,517	282,743
2026	381,659	14.6	55,722	248,951	15.1	57,631	253,734	17.1	65,264	284,471
2027	392,155	14.6	57,255	250,135	15.1	59,215	254,940	17.1	67,059	285,823
2028	402,939	14.6	58,829	250,955	15.1	60,844	255,775	17.1	68,903	286,760
2029	414,020	14.6	60,447	251,373	15.1	62,517	256,201	17.1	70,797	287,238
2030	425,406	14.6	62,109	251,349	15.1	64,236	256,176	17.1	72,744	287,210
2031	437,105	14.6	63,817	250,839	15.1	66,003	255,656	17.1	74,745	286,627

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

# City of Branson West - Police

## 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	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	5.3%	\$18,148	\$ 137,828	7.7%	\$26,366	\$ 172,301	7.3%	\$24,996	\$ 156,340
2023	351,828	5.3	18,647	139,150	7.7	27,091	173,954	7.3	25,683	157,840
2024	361,503	5.3	19,160	140,336	7.7	27,836	175,436	7.3	26,390	159,185
2025	371,444	5.3	19,687	141,369	7.7	28,601	176,728	7.3	27,115	160,357
2026	381,659	5.3	20,228	142,233	7.7	29,388	177,808	7.3	27,861	161,337
2027	392,155	5.3	20,784	142,909	7.7	30,196	178,653	7.3	28,627	162,104
2028	402,939	5.3	21,356	143,377	7.7	31,026	179,238	7.3	29,415	162,635
2029	414,020	5.3	21,943	143,616	7.7	31,880	179,537	7.3	30,223	162,906
2030	425,406	5.3	22,547	143,602	7.7	32,756	179,520	7.3	31,055	162,890
2031	437,105	5.3	23,167	143,310	7.7	33,657	179,155	7.3	31,909	162,559

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	9.3%	\$31,844	\$ 186,215	10.2%	\$34,926	\$ 206,718	11.2%	\$38,350	\$ 216,024
2023	351,828	9.3	32,720	188,001	10.2	35,886	208,701	11.2	39,405	218,096
2024	361,503	9.3	33,620	189,603	10.2	36,873	210,479	11.2	40,488	219,954
2025	371,444	9.3	34,544	190,999	10.2	37,887	212,029	11.2	41,602	221,574
2026	381,659	9.3	35,494	192,166	10.2	38,929	213,325	11.2	42,746	222,928
2027	392,155	9.3	36,470	193,080	10.2	40,000	214,339	11.2	43,921	223,988
2028	402,939	9.3	37,473	193,713	10.2	41,100	215,041	11.2	45,129	224,722
2029	414,020	9.3	38,504	194,036	10.2	42,230	215,399	11.2	46,370	225,096
2030	425,406	9.3	39,563	194,017	10.2	43,391	215,378	11.2	47,645	225,074
2031	437,105	9.3	40,651	193,623	10.2	44,585	214,941	11.2	48,956	224,617

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability	As a % of Payroll	Annual Dollars	Accrued Liability
2022	\$ 342,412	12.7%	\$43,486	\$ 241,241	13.2%	\$45,198	\$ 245,875	15.2%	\$52,047	\$ 275,661
2023	351,828	12.7	44,682	243,555	13.2	46,441	248,234	15.2	53,478	278,305
2024	361,503	12.7	45,911	245,630	13.2	47,718	250,349	15.2	54,948	280,676
2025	371,444	12.7	47,173	247,439	13.2	49,031	252,193	15.2	56,459	282,743
2026	381,659	12.7	48,471	248,951	13.2	50,379	253,734	15.2	58,012	284,471
2027	392,155	12.7	49,804	250,135	13.2	51,764	254,940	15.2	59,608	285,823
2028	402,939	12.7	51,173	250,955	13.2	53,188	255,775	15.2	61,247	286,760
2029	414,020	12.7	52,581	251,373	13.2	54,651	256,201	15.2	62,931	287,238
2030	425,406	12.7	54,027	251,349	13.2	56,154	256,176	15.2	64,662	287,210
2031	437,105	12.7	55,512	250,839	13.2	57,698	255,656	15.2	66,440	286,627

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> 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.