

June 2010

Actuarial valuation report as
of January 1, 2010
The City of Ladue Firemen and
Policemen's Pension Plan

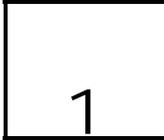
MERCER



MARSH MERCER KROLL
GUY CARPENTER OLIVER WYMAN

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Report highlights

Mercer has prepared this report for the City of Ladue to:

- present the results of a valuation of the City of Ladue Firemen and Policemen's Pension Plan as of January 1, 2010;
- review experience under the plan for the year ended December 31, 2009;
- provide the plan sponsor with the funding policy contribution under the plan for the year ending December 31, 2010; and
- provide the plan's accountants with information concerning the funded status of the plan.

Contributions

The following table summarizes important contribution information.

	Plan year ending	
	December 31, 2010	December 31, 2009
Funding policy contribution	\$ 1,092,786	\$ 1,255,382

The funding policy contribution decreased during the past year. This was primarily due to favorable asset performance.

Plan experience during prior plan year

During 2009, the plan experienced a net actuarial gain of \$1,224,289. This gain consisted of a \$497,464 liability loss and a \$1,721,753 asset gain. During 2009, the yield rate based on the actuarial value of assets was 16.90% compared to an assumed 7.75% return. The return on a market value basis was 23.40%.

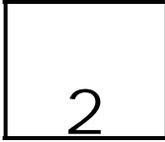
Between January 1, 2009 and January 1, 2010, the number of active participants decreased from 60 to 55. During the same period, the number of retirees and beneficiaries increased from 49 to 51 and the number of vested terminated participants remained at 0.

Accounting

This report also provides information for the plan for financial statements, governmental agencies and other interested parties, pursuant to governmental accounting standards.

Changes in plan provisions, actuarial assumptions and methods

There were no changes in plan provisions, actuarial assumptions or actuarial methods since the last valuation as of January 1, 2009.



Certification

Mercer has prepared this report exclusively for The City of Ladue for the following purposes:

- Present the results of a valuation of The City of Ladue Firemen and Policemen's Pension Plan as of January 1, 2010;
- Review plan experience for the year ending December 31, 2009;
- Provide the plan sponsor with the funding policy contributions for the period beginning January 1, 2010; and
- Provide reporting and disclosure information for financial statements for governmental agencies pursuant to governmental accounting standards.

This valuation report may not be relied upon for any other purpose or by any party other than the City or the Plan's auditors solely for the purpose of completing an audit related to the matters herein. Mercer is not responsible for the consequences of any unauthorized use.

A valuation report is a snapshot of a plan's estimated financial condition at a particular point in time; it does not predict a plan's future financial condition or its ability to pay benefits in the future.

Over time, a plan's total cost will depend on a number of factors, including the amount of benefits the plan pays, the number of people paid benefits, plan expenses and the amount earned on any assets invested to pay the benefits. These amounts and other variables are uncertain and unknowable at the valuation date, but are predicted to fall within a reasonable range of possibilities.

To prepare this report, *actuarial assumptions*, as described in Section 8, are used to select a single scenario from a range of possibilities. The results of that single scenario are included in this report. However, the future is uncertain and the plan's actual experience will differ from those assumptions; these differences may be significant or material. In addition, different assumptions or scenarios may also be within the reasonable range and results based on those assumptions would be different. Actuarial assumptions may also be changed from one valuation to the next because of changes in mandated requirements, plan experience, changes in expectations about the future and other factors. Due to the limited scope of our assignment, we did not perform, nor do we present, an analysis of the potential range of future possibilities and scenarios.

Because actual plan experience will differ from the assumptions, decisions about benefit changes, investment policy, funding amounts, benefit security and/or benefit-related issues should be made only after careful consideration of alternative future financial conditions and scenarios, and not solely on the basis of a valuation report or reports.

Data and plan provisions

To prepare this report, Mercer has used and relied on financial data submitted by the plan sponsor, as well as participant data supplied by plan sponsor. The data used is summarized herein. We have reviewed the financial and participant data for internal consistency and general reasonableness, but we have not verified or audited any of the data or information provided. Finally, we have used and relied on the plan documents, including amendments, supplied by the plan sponsor. A summary of the plan provisions valued is presented in our report. The plan sponsor is solely responsible for the accuracy, validity and comprehensiveness of this information. If the data or plan provisions supplied are not accurate and complete the valuation results may differ significantly from the results that would be obtained with accurate and complete information; this may require a later revision of this report.

Actuarial calculations, methods and assumptions

To the best of our knowledge and belief, this report is complete and accurate and all costs, liabilities and other factors under the plan were determined in accordance with generally accepted actuarial principles and procedures, using an actuarial cost method approved by the City. Assumptions used are based on the last experience study, as adopted by the City. This valuation is based on assumptions, plan provisions, methods and other parameters as summarized in this report. If this information is inaccurate or incomplete or does not reflect current statutes, regulations or City directives, the reader of this report should not rely on the valuation results and should notify Mercer promptly. In our opinion, this report fully and fairly discloses the actuarial position of the plan on an ongoing basis.

Contributions

In computing the funding policy contribution, all liabilities and other factors under the plan were determined in accordance with generally accepted actuarial principles and procedures. In our opinion, the actuarial assumptions are reasonable and represent our best estimate of the plan's anticipated experience with respect to those assumptions. This report fully and fairly discloses the actuarial position of the plan on an ongoing basis.

Professional qualifications

I am available to answer any questions on the material in this report or to provide explanations or further details as appropriate. The undersigned credentialed actuary meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained in this report. I am not aware of any direct or material indirect financial interest or relationship, including investments or other services that could create a conflict of interest, that would impair the objectivity of our work.

	June 29, 2010
Ann E. Bremehr, FSA Enrolled Actuary (No. 08-04001)	Date
Mercer 701 Market Street, Suite 1100 St. Louis, MO 63101-1867 314 558 2500	

The information contained in this document (including any attachments) is not intended by Mercer to be used, and it cannot be used, for the purpose of avoiding penalties under the Internal Revenue Code that may be imposed on the taxpayer.

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Development of contributions

Principal valuation results

	Actuarial Valuation as of	
	January 1, 2010	January 1, 2009
Funding Valuation		
Actuarial accrued liability	\$ 30,728,346	\$ 29,214,709
Funded ratio	71.90%	62.52%
Actuarial asset value	22,092,661	18,266,006
Unfunded actuarial accrued liability	8,635,685	10,948,703
Normal cost	388,486	372,911
Funding policy contribution (end of year)	1,092,786	1,255,382
Participant Data		
Number of participants in valuation		
Active participants	55	60
Participants with deferred benefits	0	0
Participants receiving benefits	51	49
Total	106	109
Active Participant Statistics		
Average age	41.4	41.0
Average years of service	14.0	13.2

Unfunded actuarial accrued liability

The actuarial accrued liability is the present value of projected plan benefits allocated to past service by the actuarial funding method being used.

	January 1, 2010	January 1, 2009
1. Actuarial accrued liability		
a. Active participants		
Retirement benefits	\$ 12,405,863	\$ 11,842,983
Withdrawal benefits	0	0
Disability benefits	360,824	344,244
Death benefits	148,969	141,670
Return of contributions	(62,845)	(58,166)
Total	12,852,811	12,270,731
b. Participants with deferred benefits	0	0
c. Participants receiving benefits	17,875,535	16,943,978
d. Actuarial accrued liability (a. + b. + c.)	30,728,346	29,214,709
2. Actuarial asset value	22,092,661	18,266,006
3. Funded ratio (2. ÷ 1.d.)	71.90%	62.52%
4. Unfunded actuarial accrued liability (1.d. – 2., not less than \$0)	\$ 8,635,685	\$ 10,948,703

Normal Cost

The components of normal cost under the plan's funding method are:

Component	January 1, 2010	January 1, 2009
1. Normal cost		
a. Retirement benefits	\$ 427,845	\$ 410,062
b. Withdrawal benefits	0	0
c. Disability benefits	28,872	27,810
d. Death benefits	14,232	13,517
e. Return of contributions	17,566	17,358
f. Expenses	25,000	25,000
g. Total	513,515	493,747
2. Expected employee contributions	125,029	120,836
3. Total normal cost (1.g. – 2.)	\$ 388,486	\$ 372,911

Funding policy contribution

The funding policy contribution consists of the normal cost calculated under the entry age cost method, a 20-year amortization of the unfunded actuarial accrued liability (as a level percentage of projected pay) and interest to the end of the plan year.

	Plan year ending	
	December 31, 2010	December 31, 2009
1. Normal cost at beginning of year	\$ 388,486	\$ 372,911
2. 20-year amortization of the unfunded actuarial accrued liability at end of year	670,316	849,857
3. Interest on 1. to end of year	33,984	32,614
4. Funding policy contribution (1. + 2. + 3.)	\$ 1,092,786	\$ 1,255,382

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Financial reporting accounting requirements – funding progress

Provided below is the financial reporting information for the plan.

Schedule of funding progress

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b) – (a)	Funded Ratio (a)/(b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll $\frac{(b) - (a)}{(c)}$
01/01/2001	\$ 16,248,145	\$ 17,670,704	\$ 1,422,559	91.9%	\$ 3,155,718	45.1%
01/01/2002	17,007,931	19,295,567	2,287,636	88.1%	3,428,896	66.7%
01/01/2003	15,204,281	21,411,392	6,207,111	71.0%	3,586,895	173.0%
01/01/2004	17,194,086	23,255,866	6,061,780	73.9%	3,581,760	169.2%
01/01/2005	17,267,814	24,530,293	7,262,479	70.4%	3,651,659	198.9%
01/01/2006	17,426,067	25,861,569	8,435,502	67.4%	3,782,856	223.0%
01/01/2007	18,106,583	27,471,232	9,364,649	65.9%	4,102,912	228.2%
01/01/2008	19,999,879	28,526,368	8,526,489	70.1%	4,245,175	200.9%
01/01/2009	18,266,006	29,214,709	10,948,703	62.5%	4,469,088	245.0%
01/01/2010	22,092,661	30,728,346	8,635,685	71.9%	4,447,537	194.2%

While not required by the governmental accounting standards, the following schedule shows the funding progress of the plan based on the market value of assets.

Actuarial Valuation Date	Market Value of Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (b) – (a)	Funded Ratio (a)/(b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll $\frac{(b) - (a)}{(c)}$
01/01/2008	\$ 19,843,121	\$ 28,526,368	\$ 8,683,247	69.6%	\$ 4,245,175	204.5%
01/01/2009	15,221,672	29,214,709	13,993,037	52.1%	4,469,088	313.1%
01/01/2010	19,545,180	30,728,346	11,183,166	63.6%	4,447,537	251.4%

Schedule of employer contributions

The annual required contributions as defined in the governmental accounting standards and ratio of actual to required contributions are as follows:

Year Ended December 31	Annual Required Contribution	Percentage Contributed
2001	\$ 462,505	88%
2002	567,169	100%
2003	910,979	100%
2004	906,696	100%
2005	983,068	100%
2006	1,129,573	100%
2007	1,210,076	150%
2008	1,055,357	212%
2009	1,255,382	180%
2010	1,092,786	*

** Cannot be determined until all 2010 contributions have been made.*

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Financial reporting accounting requirements – net pension cost and net pension obligation

Provided below is additional information required for financial reporting by the City of Ladue.

Annual pension cost and net pension obligation

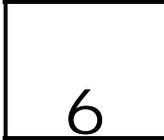
The City's annual pension cost and net pension obligation for the City's fiscal years ending December 31, 2010 and December 31, 2009 are as follows:

	December 31, 2010	December 31, 2009
1. Annual required contribution	\$ 1,092,786	\$ 1,255,382
2. Interest on net pension obligation	(215,787)	(138,304)
3. Adjustment to annual required contribution	(216,126)	(138,521)
4. Annual pension cost (1. + 2. – 3.)	1,093,125	1,255,599
5. Contributions made	*	2,255,382
6. Increase (decrease) in net pension obligation (4. – 5.)	*	(999,783)
7. Net pension obligation beginning of year	(2,784,353)	(1,784,570)
8. Net pension obligation end of year (6. + 7.)	\$ *	\$ (2,784,353)

Trend Information

Fiscal Year Ending	Annual Pension Cost (APC)	Percentage of APC Contributed	Net Pension Obligation
2001	\$ 462,176	88.0%	\$ 0
2002	567,169	100.0%	0
2003	910,979	100.0%	0
2004	906,696	100.0%	0
2005	983,068	100.0%	0
2006	1,129,573	100.0%	0
2007	1,210,076	149.6%	(600,000)
2008	1,055,430	212.2%	(1,784,570)
2009	1,255,599	179.6%	(2,784,353)
2010	1,093,125	*	*

* Cannot be determined until all 2010 contributions have been made.



Plan assets

Summary of assets	Market Value as of December 31, 2009	Percentage of Total
Cash or cash equivalents:	\$ 561,702	2.87%
Investments:		
▪ Corporate bond funds	7,173,015	36.70%
▪ Corporate stocks – domestic	1,535,735	7.86%
▪ Corporate stock funds	10,244,339	52.41%
Accounts receivable	30,389	0.16%
Net assets	\$ 19,545,180	100.00%

Reconciliation of assets (market value)	Plan year ending	
	December 31, 2009	December 31, 2008
Net assets at beginning of year	\$ 15,221,672	\$ 19,843,121
Contributions received		
▪ City	2,255,382	2,240,000
▪ Employee	136,030	127,583
Investment earnings		
▪ Interest and dividends	525,206	550,977
▪ Realized and unrealized gain/(loss)	3,163,414	(5,823,677)
Other income	0	0
Disbursements		
▪ Benefit payments to participants or beneficiaries	(1,687,646)	(1,641,817)
▪ Investment expenses	(47,118)	(52,665)
▪ Administrative expenses	(21,760)	(21,850)
Net income	\$ 4,323,508	\$ (4,621,449)
Net assets at end of year	\$ 19,545,180	\$ 15,221,672
Actual investment return	23.40%	(26.37%)

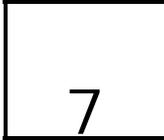
Actuarial value of assets

1. Preliminary actuarial value of assets at January 1, 2009	\$ 20,793,607
2. Contributions	2,391,412
3. Benefit payments	(1,687,646)
4. Expenses	(21,760)
5. Expected interest at 7.75% on 1. + 2. + 3. + 4.	1,637,932
6. Expected actuarial value of assets at December 31, 2009 (1. + 2. + 3. + 4. + 5.)	23,113,545
7. Market value of assets at December 31, 2009	19,545,180
8. Adjustments to reflect market value (see following table)	(1,020,884)
9. Preliminary actuarial value at December 31, 2009 (6. + 8.)	22,092,661
10. 80% of market value at December 31, 2009	15,636,144
11. 120% of market value at December 31, 2009	23,454,216
12. Actuarial value of assets at December 31, 2009 (9., but not less than 10. nor more than 11.)	\$ 22,092,661

Schedule of market value adjustments

Year	Gain/(Loss) Base	Unrecognized Balance 1/1/2009	12/31/2009 Adjustment	Unrecognized Balance 1/1/2010
2005	\$ (447,856)	\$ (89,572)	\$ (89,572)	\$ 0
2006	528,778	211,510	105,756	105,754
2007	(286,279)	(171,767)	(57,256)	(114,511)
2008	(6,902,632)	(5,522,106)	(1,380,526)	(4,141,580)
2009	2,003,570 ¹	N/A	400,714	1,602,856
Total	\$ (5,104,419)	\$ (5,571,935)	\$ (1,020,884)	\$ (2,547,481)

¹ 7. – 6. – Unrecognized balance January 1, 2009.



Participant data

Statistics

	Plan year beginning	
	January 1, 2010	January 1, 2009
Participants included in valuation		
▪ Active participants		
- Vested	29	31
- Non-vested	26	29
- Total actives	55	60
▪ Inactive with deferred benefits	0	0
▪ Inactive with immediate benefits	51	49
▪ Total	106	109
Active participant statistics		
▪ Average age	41.4	41.0
▪ Average years of service	14.0	13.2
▪ Total compensation ¹	\$ 4,447,537	\$ 4,469,088
▪ Average compensation ¹	80,864	74,485
Inactive deferred statistics		
▪ Average age	N/A	N/A
▪ Total monthly benefits	N/A	N/A
▪ Average monthly benefits	N/A	N/A
Inactive immediate statistics		
▪ Average age	66.5	65.8
▪ Total monthly benefits	\$ 146,174 ²	\$ 138,959 ³
▪ Average monthly benefits	2,866	2,836

¹ Annualized earnings for prior calendar year increased by the salary assumption of 4.75%.

² Includes benefits for two alternate payees and two children of disabled participants.

³ Includes benefits for two alternate payees and one child of disabled participant.

Participant data reconciliation

	Active participants	Inactive participants		Total
		With deferred benefits	Receiving benefits	
Beginning of the year	60	0	49 ¹	109
Retirements	(2)	0	2	0
Disabilities	0	0	0	0
Deaths	0	0	(1)	(1)
Non-vested terminations	(3)	N/A	N/A	(3)
Vested terminations	0	0	N/A	0
Rehires	0	0	0	0
Lump sum payouts	0	0	0	0
Survivors	N/A	0	1	1
New entrants	0	N/A	N/A	0
Data corrections	0	0	0	0
Net change	(5)	0	2	(3)
End of the year	55	0	51 ²	106

¹ Counts do not include one child and two alternate payees.

² Counts do not include two children and two alternate payees.

Distribution of active participants

Age	Years of service as of January 1, 2010								Total
	Under 1	1 – 4	5 – 9	10 – 14	15 – 19	20 – 24	25 – 29	30+	
Under 25									0
25 – 29		4	1						5
30 – 34		3	5						8
35 – 39		7	4	4					15
40 – 44			1	3	4				8
45 – 49			1			3	3		7
50 – 54				1		2	4	2	9
55 – 59							1		1
60 – 64								2	2
65 – 69									0
70 & up									0
Total	0	14	12	8	4	5	8	4	55

In each cell, the number is the count of active employees for each age/service combination.

Actuarial basis

Actuarial cost method and valuation procedures

Actuarial cost method: Liabilities and contributions shown in this report are computed using the individual entry age normal method of funding. The objective under this method is to fund each participant's benefits under the plan as payments which are level as a percentage of salary, starting at the original employment date and continuing until the assumed retirement, termination, disability or death.

At the time the funding method is introduced, there will be a liability which represents the contributions which would have been accumulated if this method of funding had always been used. The difference between this liability and the assets (if any) which are held in the fund is the unfunded liability, which is typically funded over a chosen period in accordance with an amortization schedule.

A detailed description of the calculation follows:

- The normal cost for each active participant under the assumed retirement age is determined by applying to compensation the level percentage of salary which, if contributed each year from date of entry into the plan until the assumed retirement (termination, disability or death) date, is sufficient to provide the full value of the benefits expected to be payable.
- The present value of future normal costs is the total of the discounted values of all active participants' normal costs, assuming these to be paid in each case from the valuation date until retirement (termination, disability or death) date.
- The present value of projected benefits is calculated as the value of all benefit payments expected to be paid to the plan's current participants, including active and retired members, beneficiaries, and terminated members with vested rights.
- The accrued liability is the excess of the present value of projected benefits over the present value of future normal costs.
- The unfunded liability is the excess of the accrued liability over the actuarial asset value of the fund, and represents that part of the accrued liability which has not been funded by accumulated past contributions.

The funding policy contribution is the normal cost with interest to the end of the plan year plus a 20-year amortization of the unfunded accrued liability as a level percentage of projected payroll.

Changes in actuarial cost method since prior valuation: There were no changes since the prior valuation. The last change to the actuarial cost method was made January 1, 2000.

Financial and census data: We used January 1, 2010 financial and participant data as supplied by the plan sponsor without further audit. Customarily, this information would not be verified by a plan's actuary. We have reviewed the information for internal consistency and we have no reason to doubt its substantial accuracy.

Benefits not included in liabilities: All benefits described in the summary of plan provisions were valued.

Participants included: The plan sponsor provides us with data on all employees as of the valuation date. No actuarial liability is included for participants who terminated nonvested prior to the valuation date.

Disabled participants: The liabilities for participants on long-term disability are included with the liabilities for active participants with frozen final average pay.

Valuation earnings: Annualized earnings for the prior calendar year increased by the pay increase assumption.

Attribution period: The attribution period is the period of an employee's service over which the benefit cost calculation recognized the expected benefit obligation for that employee. The beginning of the attribution period is the entry date into the plan and the ending date is the date of termination.

Method for determining actuarial valuation of assets

The actuarial asset value is based on a five-year moving average of expected and market values determined as follows:

- At the end of each plan year, an expected asset value is calculated as the sum of the previous year's preliminary actuarial value increased with a year's interest at the plan valuation rate plus net cash flow adjusted for interest (at the same rate) to the end of the plan year;
- The investment gain/(loss) is the excess of the current market value over the sum of the expected asset value plus the unrecognized balances of investment gains/(losses) for the previous five years;
- The investment gain/(loss) so determined is recognized in five equal installments in the actuarial valuation immediately following the year in which such gain/(loss) incurred;
- The preliminary actuarial asset value is the sum of the expected asset value plus the installments of investment gains/(losses) during the preceding five plan years; and
- The actuarial asset value is the preliminary value but in no case more than 120% of the market value or less than 80% of the market value.

Method changes since prior valuation

No changes have been made to the asset valuation method. The last change to the asset valuation method was made January 1, 1995.

Summary of actuarial assumptions

The following assumptions were used in valuing the liabilities and benefits under the plan.

Investment return	7.75% per year compounded annually.										
Salary increases	4.75% per year compounded annually.										
Inflation	3.00% per year.										
Expenses	\$25,000										
Mortality											
▪ Healthy	RP-2000 Combined White Collar Mortality table projected to 2007 by Scale AA for males and females. Active deaths are assumed to be 50% duty related. See table of sample rates.										
▪ Disabled	Post-1994 Disability Mortality table as prescribed by IRS Revenue Ruling 96-7. See table of sample rates										
Demographic assumptions											
Disability											
▪ Rates	1985 Pension Disability Table – Class 3. Disabilities are assumed to be 75% duty related. See table of sample rates.										
▪ Duration of disability	Factors varying by age for active participants and age at disability for disabled participants after January 1, 2008										
	<table> <thead> <tr> <th><u>Age</u></th> <th><u>Duration</u></th> </tr> </thead> <tbody> <tr> <td>Under 45</td> <td>10 years</td> </tr> <tr> <td>45 – 54</td> <td>8 years</td> </tr> <tr> <td>55 – 59</td> <td>5 years</td> </tr> <tr> <td>60 and over</td> <td>2 years</td> </tr> </tbody> </table>	<u>Age</u>	<u>Duration</u>	Under 45	10 years	45 – 54	8 years	55 – 59	5 years	60 and over	2 years
<u>Age</u>	<u>Duration</u>										
Under 45	10 years										
45 – 54	8 years										
55 – 59	5 years										
60 and over	2 years										
Withdrawal	Rates varying by age. See table of sample rates.										
Retirement	Rates varying by age for active participants.										
	<table> <thead> <tr> <th><u>Age</u></th> <th><u>Retirement Rate</u></th> </tr> </thead> <tbody> <tr> <td>55</td> <td>0.25</td> </tr> <tr> <td>56-58</td> <td>0.20</td> </tr> <tr> <td>59</td> <td>0.50</td> </tr> <tr> <td>60</td> <td>1.00</td> </tr> </tbody> </table>	<u>Age</u>	<u>Retirement Rate</u>	55	0.25	56-58	0.20	59	0.50	60	1.00
<u>Age</u>	<u>Retirement Rate</u>										
55	0.25										
56-58	0.20										
59	0.50										
60	1.00										
	For vested terminations, 100% at age 55.										
Percentage married	80% for active participants. Actual information is used for retirees.										
Child prevalence	Active members are assumed to have one child at the time of disability and, if assumed married, one child at time of death.										

Age difference	A married male is assumed to be four years older than his spouse. Actual spouse birth date is used for retirees.
Form of payment	Life annuity with a postretirement death benefit payable to spouses and eligible children, except terminations before retirement are assumed to elect a return of contributions.
Changes since prior valuation	None.

Table of sample rates

Attained Age	Rate					
	Mortality – Healthy		Mortality – Disabled		Disability	Withdrawal
	Male	Female	Male	Female		
20	.0002	.0002	.0246	.0097	.0014	.1000
25	.0003	.0002	.0275	.0120	.0020	.0800
30	.0003	.0003	.0307	.0148	.0030	.0550
35	.0006	.0004	.0342	.0177	.0042	.0340
40	.0008	.0006	.0384	.0206	.0059	.0140
45	.0012	.0009	.0430	.0240	.0082	.0020
50	.0017	.0014	.0480	.0280	.0122	.0000
55	.0029	.0024	.0531	.0326	.0209	.0000
60	.0050	.0045	.0581	.0380	.0310	.0000
65	.0100	.0084	.0637	.0443	.0412	.0000
70	.0173	.0147	.0733	.0513	.0000	.0000
75	.0305	.0243	.0889	.0626	.0000	.0000
80	.0554	.0410	.1071	.0805	.0000	.0000
85	.0996	.0711	.1333	.1094	.0000	.0000
90	.1733	.1235	.1734	.1535	.0000	.0000
95	.2595	.1843	.2341	.2170	.0000	.0000
100	.3422	.2358	.3192	.3034	.0000	.0000

Summary of plan provisions

Following is a brief summary of the major plan provisions used to determine the plan's financial position. It should not be used in determining plan benefits.

Effective date	May 1, 1947; last amended effective November 9, 2007.
Plan year	January 1 through December 31.
Sponsoring employer	The City of Ladue.
Participating employees	All salaried uniformed employees of the Fire Department and of the Police Department of the City of Ladue.
Administration	Trust
Type of plan	Defined benefit.
Eligibility	Hire date.
Actuarial equivalence	Based on UP84 Mortality set back one year and 5% interest.
Employee contributions	Each participant contributes 3% of salary to the pension fund. The interest rate used to accumulate contributions as set by the Retirement Committee is 4%.
Salary	Compensation paid to an employee by the City of Ladue for personal services rendered during a calendar year, including vacation pay, unused sick pay, pretax contributions to deferred compensation and cafeteria plans, and LTD premiums paid on behalf of the employee.
Final average monthly salary	Average monthly salary during the last five years of employment. For disabled employees, the average shall be determined as of the date they ceased to be actively employed due to disability.
Career average monthly salary	Average monthly salary during an employee's entire period of service. For disabled employees, the average shall be determined as of the date they ceased to be actively employed due to disability.
Credited service	The period of continuous employment and periods while a participant is employed or receiving LTD benefits or disability benefits under the plan (or while on an FMLA leave).

Death

- Benefit for active participants

Duty: The spouse or eligible children receive a monthly benefit equal to 50% of the deceased participant's average monthly wages during the five years immediately prior to death, plus 10% of such monthly salary for each unmarried dependent child under age 18, up to a maximum of three children.

Non-Duty: The spouse, who has attained age 50, or the eligible children of a participant who dies after completing at least one year of service will receive a monthly benefit equal to 5% of the participant's Final Average Monthly Salary, multiplied by the participant's completed years of service, up to a maximum of 24% of the Final Average Monthly Salary. If there are unmarried dependent children under age 18 living at home, an additional 2% of the average monthly salary times completed years of service up to a maximum of 10% of the average monthly salary will be payable for each child, up to three.

- Benefit for disabled participants

Duty Disability: The spouse or eligible children of a participant who dies following duty disability retirement will receive a monthly benefit equal to 40% of the participant's Final Average Monthly Salary, plus 10% of such monthly salary for each unmarried dependent child under age 18, up to three.

Non-Duty Disability: The spouse or eligible children of a participant who dies following non-duty disability retirement will receive a monthly benefit equal to $\frac{2}{3}$ of the pension that the disabled retiree was receiving, plus $\frac{1}{3}$ of such pension for each unmarried dependent child under age 18, up to three.

<ul style="list-style-type: none"> ▪ Postretirement benefit 	<p>The spouse or eligible children of a participant who dies following normal retirement will receive a monthly benefit equal to 50% of the pension that the retiree had been receiving, provided:</p> <ul style="list-style-type: none"> (a) The surviving spouse had attained age 50, or (b) There are unmarried dependent children under age 18 who are dependent on the surviving spouse. <p>Upon death of the surviving spouse, payments will continue until all children have married or attained age 18.</p>
Termination benefit	<p>A participant who terminates his employment prior to completion of 10 years of service will receive a refund of his accumulated contributions with interest.</p> <p>A participant who terminates after completing at least 10 years of service may receive either a refund of his accumulated contributions with interest, an accrued benefit or a reduced benefit payable at an early commencement date.</p>
Form of payment	<p>The normal form of benefit payment is a monthly life annuity with a postretirement death benefit possibly payable to a spouse or eligible children.</p>
Changes since prior valuation	<p>None.</p>

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