

The experience and dedication you deserve

The City of Omaha Employees' Retirement System

Actuarial Valuation as of January 1, 2013





The experience and dedication you deserve

August 13, 2013

Board of Trustees City of Omaha Employees' Retirement System 1819 Farnam Street Omaha, NE 68183

RE: January 1, 2013 Actuarial Valuation

Members of the Board:

In accordance with your request, we have completed an Actuarial Valuation of the City of Omaha Employees' Retirement System as of January 1, 2013 for the plan year ending December 31, 2013. The major findings of the valuation are contained in this report. The plan provisions and assumptions are the same as the prior valuation.

In preparing this report, we relied, without audit, on information (some oral and some in writing) supplied by the City's staff. This information includes, but is not limited to, statutory provisions, employee data, and financial information. We found this information to be reasonably consistent and comparable with information provided in prior years. The valuation results depend on the integrity of this information. If any of this information is inaccurate or incomplete, our results may be different and our calculations may need to be revised.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: experience differing from that anticipated by the economic or demographic assumptions; 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 System's funded status); and changes in plan provisions or applicable law. Due to the limited scope of our assignment, we did not perform an analysis of the potential range of future measurements.

Actuarial computations presented in this report are for purposes of determining the recommended funding amounts. Actuarial computations presented in this report under GASB Statements No. 25 and 27 are for purposes of fulfilling financial accounting requirements for the City. The computations prepared for these two purposes may differ as disclosed in our report. The calculations in the enclosed report have been made on a basis consistent with our understanding of the City's funding requirements and goals. Determinations for purposes other than meeting these requirements may be significantly different from the results contained in this report. Accordingly, additional determinations may be needed for other purposes.



Board of Trustees August 13, 2013 Page 2

The consultants who worked on this assignment are pension actuaries. CMC's advice is not intended to be a substitute for qualified legal or accounting counsel.

This is to certify that the independent consulting actuaries are members of the American Academy of Actuaries, have experience in performing valuations for public retirement plans, and meet the qualification standards of the American Academy of Actuaries to render the actuarial opinion contained herein. The valuation was prepared in accordance with principles of practice prescribed by the Actuarial Standards Board and the actuarial calculations were performed by qualified actuaries in accordance with accepted actuarial procedures based on the current provisions of the retirement plan and on actuarial assumptions that are internally consistent and reasonably based on the actual experience of the System. The Board of Trustees has the final decision regarding the appropriateness of the assumptions and adopted them as indicated in Appendix B.

We respectfully submit the following report and look forward to discussing it with you.

Sincerely,

Patrice A. Beckham, FSA, EA, FCA, MAAA

Principal and Consulting Actuary

Patrice Beckham

Brent A. Banister, PhD, FSA, EA, FCA, MAAA

Brent a Bande

Chief Pension Actuary



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This report presents the results of the January 1, 2013 actuarial valuation of the City of Omaha Employees' Retirement System. The primary purposes of performing the valuation are:

- to estimate the liabilities for the future benefits expected to be provided by the System;
- to determine the actuarial contribution rate, based on the City's funding policy;
- to measure and disclose various asset and liability measures;
- to monitor any deviation between actual System experience and experience predicted by the actuarial assumptions, so that recommendations for assumption changes can be made when appropriate;
- to analyze and report on any significant trends in contributions, assets and liabilities over the past several years.

The plan provisions and actuarial assumptions reflected in this report are unchanged from last year's report.

The actuarial valuation results provide a "snapshot" view of the System's financial condition on January 1, 2013. The valuation results reflect net unfavorable experience for the past plan year as demonstrated by an unfunded actuarial liability that was greater than was expected based on the actuarial assumptions used in the January 1, 2012 actuarial valuation. Unfavorable experience on the actuarial value of assets resulted in a loss of \$4.1 million, and unfavorable experience on liabilities resulted in a small experience loss of \$0.5 million. The total experience was an actuarial loss of \$4.6 million. In addition, in reviewing the data provided to us by the City, we questioned the City to determine whether using the "membership date" field to calculate years of service was more appropriate than using the data field entitled "latest hire date" which had been used in prior years. The City verified that the membership date field should be used as it reflects prior employment periods that should be included in determining a member's benefit amount. This clarification in the data field used to calculate years of service resulted in higher benefits for nearly 80 members and increased the actuarial liability by \$2.9 million.

The System uses an asset smoothing method in the valuation process. As a result, the System's funded status and the actuarial contribution rate are based on the actuarial (smoothed) value of assets – not the pure market value. The investment return on the market value of assets during 2012 was about 11%. Coupled with the deferred investment loss, the rate of return on the actuarial value of assets was about 6% for 2012, lower than the assumed 8% return. As of January 1, 2013, the actuarial value of assets exceeds the market value by \$12 million or 5.5% of the market value, so a deferred investment loss still exists. Actual market returns over the next few years will determine when the \$12 million of deferred investment loss is actually recognized. For example, an estimated return of 15% on the market value of assets in 2013 would be necessary to attain a return of 8.0% on the actuarial value of assets.

The change in the assets, liabilities, and contribution rate of the System over the last year are discussed in more detail in the following pages.



ASSETS

As of January 1, 2013, the System had total funds of \$223 million, when measured on a market value basis. This was an increase of \$8 million from the prior year, and represents approximately an 11% rate of return.

The market value of assets is not used directly in the actuarial calculation of the System's funded status and the actuarial contribution rate. An asset valuation method is used to smooth the effects of market fluctuations. The actuarial value of assets is equal to the expected asset value (based on last year's actuarial value of assets, net cash flows and a rate of return equal to the actuarial assumed rate of 8.0%) plus 25% of the difference between the actual market value and the expected asset value. See Exhibit 2 for the detailed development of the actuarial value of assets as of January 1, 2013. The rate of return on the actuarial value of assets was about 6%. The portion of the deferred and current year's investment experience recognized in the calculation of the January 1, 2013 actuarial value of assets resulted in an actuarial loss of \$4 million.

The components of the change in the market value and actuarial value of assets are shown below:

	Marke	t Value (\$M)	Actuar	ial Value (\$M)
Net Assets, January 1, 2012	\$	215.4	\$	236.7
City and Member Contributions	+	13.4	+	13.4
Benefit Payments and Refunds	-	28.8	-	28.8
Investment Gain/(Loss)	+	23.2	+	14.3
Net Assets, January 1, 2013		223.2		235.6
Estimated Rate of Return		11.2%		6.2%

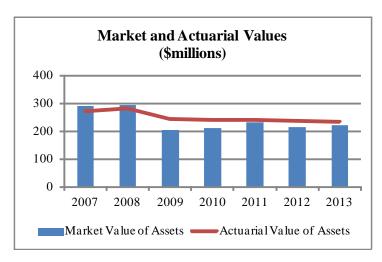
The total investment loss that is not recognized as of January 1, 2013 is \$12.4 million (235.6 minus 223.2), down from \$21.3 million in last year's valuation. The unrecognized losses of \$12.4 million will be reflected in the determination of the actuarial value of assets for funding purposes in the next few years to the extent they are not offset by the recognition of gains derived from future experience. This means that earning the assumed rate of investment return of 8% per year (net of investment expenses) on a market value basis will result in actuarial losses on the actuarial value of assets in the next few years. This will translate to an increase in both the unfunded actuarial liability and the actuarial contribution rate.

The unrecognized investment losses represent about 5.5% of the market value of assets (down from 9.9% in the 2012 valuation). If the deferred losses were recognized immediately in the actuarial value assets, the unfunded actuarial liability would increase by \$12 million to \$213 million, the funded percentage would decrease from 54% to 51% and the actuarial contribution rate would increase from 37.561% to 39.029%.



A comparison of asset values on both a market and actuarial basis for the last five years is shown in the following tables.

	2013	2012	2011	2010	2009
Market Value of Assets	\$223	\$215	\$232	\$213	\$204
Actuarial Value of Assets	\$236	\$237	\$240	\$240	\$245
Actuarial Value/Market Value	106%	110%	103%	113%	120%



An asset smoothing method is used to mitigate the volatility in the market value of assets. By using a smoothing method, the actuarial (or smoothed) value can be either above or below the pure market value. The significant investment losses in the 2008 plan year resulted in the actuarial value of assets being above the market value for the last five years.

LIABILITIES

The first step in determining the actuarial contribution rate for the System is to calculate the liabilities for all expected future benefit payments. These liabilities represent the present value of future benefits (PVFB) expected to be earned by the current System members, assuming that all actuarial assumptions are realized. Thus, the PVFB reflects service and salary increases that are expected to occur in the future before the benefit becomes payable. The PVFB components can be found in the liabilities portion of the valuation balance sheet (see Exhibit 3).

The other critical measurement of System liabilities in the valuation process is the actuarial liability (AL). This is the portion of the PVFB that will not be paid by the future normal costs (i.e. it is the portion of the PVFB that is allocated to prior service periods). As of January 1, 2013, the actuarial liability for the System was \$436,270,409.



The following chart compares the Actuarial Liability (AL) and System assets for the current and prior valuation.

	As of Ja	As of January 1		
	2013	2012		
Actuarial Liability (AL)	\$436,270,409	\$420,810,359		
Assets at Actuarial Value	\$235,591,941	\$236,741,347		
Unfunded Actuarial Liability (AVA)	\$200,678,468	\$184,069,012		
Funded Ratio (Actuarial Value)	54%	56%		
Assets at Market Value	\$223,233,088	\$215,434,784		
Unfunded Actuarial Liability (MVA)	\$213,037,321	\$205,375,575		
Funded Ratio (Market Value)	51%	51%		

EXPERIENCE FOR THE PLAN YEAR ENDED 12/31/2012

The difference between the actuarial liability and the actuarial value of assets at the same date is referred to as the unfunded actuarial liability (UAL). Benefit improvements, experience gains/losses, changes in the actuarial assumptions or methods, and actual contributions made will impact the amount of the unfunded actuarial liability.

The calculation of the unfunded actuarial liability for the System as of January 1, 2013 is shown below:

Actuarial Liability	\$436,270,409
Actuarial Value of Assets	\$235,591,941
Unfunded Actuarial Liability	\$200,678,468

Actuarial gains (or losses) result from actual experience that is more (or less) favorable than anticipated based on the actuarial assumptions. These "experience" (or actuarial) gains or losses are reflected in the unfunded actuarial liability and are measured as the difference between the expected unfunded actuarial liability and the actual unfunded actuarial liability, taking into account any changes due to assumption or benefit provision changes. The System experience, in total, was unfavorable (an unfunded actuarial liability greater than expected). There was an actuarial loss of around \$4.1 million on the actuarial value of assets and an actuarial loss of about \$0.5 million on liabilities. In addition, a clarification in the data item used to determine years of service which more accurately reflects prior service increased the UAL by \$3 million.



The change in the unfunded actuarial liability between January 1, 2012 and 2013 is shown below (in millions):

Unfunded Actuarial Liability, January 1, 2012	184
Expected change in UAL	0
Contribution shortfall in 2012	9
Investment experience	4
Demographic and other experience	1
Changes in plan provisions	0
Change in actuarial assumptions / methods	0
Clarification of Service Calculation	3
Unfunded Actuarial Liability, January 1, 2013	201

Due to the use of an asset smoothing method, there were deferred investment losses in the prior valuation which had not been fully recognized. As a result, there was an actuarial loss on investment experience despite a return in excess of the 8% assumption. This experience loss on the actuarial value of assets increased the unfunded actuarial liability by \$4 million. In addition, there was also an increase in the UAL of \$3 million which was primarily due to an adjustment in the calculation of service for active members. However, the largest component of the increase in the UAL was due to actual contributions that were less than the full actuarial contribution rate. This increased the UAL by \$9 million.

CONTRIBUTION LEVELS

The actuarial contribution rate of the System is composed of two parts:

- (1) The normal cost (which is the allocation of costs attributed to the current year's membership service) and
- (2) The amortization payment on the Unfunded Actuarial Liability.

The normal cost rate is independent of the System's funded status and represents the cost, as a percent of payroll, of the benefits provided by the System which is allocated to the current year of service. The total normal cost for the System is 13.730% of pay, or about \$8 million this year.

When offset by the expected employee contributions, the employer portion of the normal cost is 3.655% of pay, or about \$2.2 million. The normal cost rate represents the long-term cost of the benefit structure of the System.

The Plan's total actuarially determined contribution rate (payable as a percentage of member payroll) increased by 2.563% of pay, to 37.561% on January 1, 2013, from 34.998% on January 1, 2012. The primary components of this change are as follows:



	Rate	
Total Actuarial Contribution Rate, January 1, 2012		%
Actuarial (Gain) / Loss - Investment Experience	0.489	
Actuarial (Gain) / Loss - Other Experience	0.629	
Assumption Changes	0.000	
Contributions Less Than Actuarial Rate	1.074	
Change in Normal Cost Rate (before change)		
in service calculation)	0.121	
Clarification of Service Calculation	0.250	
Total Actuarial Contribution Rate, January 1, 2013 37.561		

As the result of experience during 2012, the System has an unfunded actuarial liability of \$201 million (actuarial liability is greater than actuarial assets). The unfunded actuarial liability is being funded over a closed 30-year period that began January 1, 2002 so nineteen years remain as of this valuation data. The resulting UAL payment is 23.831% of pay. As a result, the total contribution rate for 2013 is 37.561% of pay (13.730% + 23.831%). The City's required contribution rate in the city ordinance for 2013 is 11.775% and the employees contribute 10.075%, for a total of 21.850%. The difference between the actuarial contribution rate and the actual contribution rates in the city ordinance creates a contribution shortfall for 2013 of 15.711% of pay or approximately \$10 million. Absent actual experience more favorable than anticipated by the assumptions, we would expect to see the UAL increase by \$10 million due to the contribution shortfall.

Comments

The return on the market value of assets in 2012 was about 11%, which lowered the deferred investment losses. The funded ratio of the system, on a market value basis, is 51% in the January 1, 2013 actuarial valuation, close to the funded ratio of 52% in the January 1, 2009 valuation, just after the market downturn of 2008. The System faces a significant funding challenge in the future given the current funded status and the contribution shortfall between the actuarial contribution rate and the scheduled member and employer contribution rates currently in place. Based on estimation techniques, the System's assets are projected to be exhausted in about 20 years even if all actuarial assumptions are met. This is a very serious situation and action should be taken as soon as possible to address it.

The actual contributions to the System for 2012 of 21.850% of pay were significantly below the actuarial contribution rate of 34.998%. This shortfall in the contribution rate of 13.148% of pay, or about \$8 million, resulted in an increase in the unfunded actuarial liability. The actuarial contribution rate in the 2013 valuation is 37.561% compared to the total contribution rate for 2013 in the City ordinance of 21.850%, which results in a shortfall of 15.711% of pay or \$10 million. A fundamental principle of sound funding for any defined benefit plan is to consistently pay the full actuarial contribution rate. Contributions to the City of Omaha Employees' Retirement System have been less than the full actuarial contribution rate for the last ten years. This, in conjunction with investment experience in the last decade that was lower than the 8% assumed rate of return, has resulted in a sharp decline in the System's funded status.



Given the current scheduled contribution rates, the contribution shortfall is expected to increase, the funded status is expected to decline and the System assets are expected to be exhausted in about 20 years even if all actuarial assumptions are met (including an 8% return on plan assets). As we mentioned in last year's report, action is necessary soon in order to strengthen the System's funding over the long term. Benefits are paid out of the System from two sources: (1) contributions and (2) investment earnings. In order to improve the System's long term funding, contributions and/or investment earnings must increase, benefit payments must decrease, or both must occur. Increasing contributions or reducing benefits in future years typically takes many years before the impact on the funded ratio can be observed, particularly if the benefit changes only apply to new hires.

The other component of the long term funding equation is investment return. If actual returns exceed the 8% assumption in future years, it will improve the System's funding. In fact, investment returns have the greatest potential to impact the funded ratio in the short term – both positively and negatively. However, it seems unlikely that the rate of return will substantially exceed the 8% assumption in every year in the future, so this option alone does not appear to be a viable solution to the System's long term funding issue. Therefore, it is likely that contributions will need to increase and/or benefits will need to be reduced in order to address concerns about the System's long term funding. It is likely to take many years before a dramatic improvement in the funded ratio occurs due to contribution increases or benefit changes that only impact new hires. The longer action to address the funding shortfall is delayed, the more dramatic the changes will have to be, whether such changes are benefit changes or contribution increases.

As mentioned earlier in this report, the System uses an asset smoothing method in the actuarial valuation. While this is a very common procedure for public retirement systems, it is important to be aware of the potential impact of the unrecognized investment experience. The System currently has a deferred loss of just over \$12 million. It is valuable to compare the key valuation results from the 2013 valuation using both the actuarial and market value of assets (see following table).

\$ Millions

	Using Actuarial	Using Market
	Value of Assets	Value of Assets
Actuarial Liability	\$436.3	\$436.3
Asset Value	235.6	223.2
Unfunded Actuarial Liability	\$200.7	\$213.1
Funded Ratio	54.0%	51.2%
Normal Cost Rate	13.730%	13.730%
UAL Contribution Rate	<u>23.831%</u>	<u>25.299%</u>
Actuarial Contribution Rate	37.561%	39.029%



THE CITY OF OMAHA EMPLOYEES' RETIREMENT SYSTEM

PRINCIPAL VALUATION RESULTS

	January 1, 2013	January 1, 2012	% Chg
MEMBERSHIP			
 Active Membership Number of Members Projected Payroll for Upcoming Fiscal Year Average Projected Payroll Average Attained Age Average Entry Age 	1,150 \$63,327,394 \$55,067 46.9 36.6	1,156 \$62,825,685 \$54,347 47.3 36.8	(0.5) 0.8 1.3 (0.9) (0.4)
 2. Inactive Membership Number of Retirees / Beneficiaries Number of Disabilities Number of Deferred Vesteds Average Annual Benefit 	1,233 122 75 \$22,040	1,187 121 77 \$21,272	3.9 0.8 (2.6) 3.6
ASSETS AND LIABILITIES			
Net Assets Market Value Actuarial Value	\$223,233,088 235,591,941	\$215,434,784 236,741,347	3.6 (0.5)
 Projected Liabilities Retired Members and Beneficiaries Disabled Members Other Inactive Members Active Members Total Liability 	\$267,791,830 23,803,857 5,264,708 <u>196,335,694</u> \$493,196,089	\$249,933,357 23,253,768 5,959,876 <u>197,407,289</u> \$476,554,290	7.1 2.4 (11.7) (0.5) 3.5
3. Actuarial Liability	436,270,409	420,810,359	3.7
4. Unfunded Actuarial Liability	\$200,678,468	\$184,069,012	9.0
5. Funded Ratios Actuarial Value Assets / Actuarial Liability Market Value Assets / Actuarial Liability	54.00% 51.17%	56.26% 51.20%	(4.0) (0.1)
CONTRIBUTIONS			
1. Normal Cost Rate	13.730%	13.716%	0.1
2. UAL Contribution Rate	23.831%	<u>21.282%</u>	12.0
3. Total Actuarial Contribution Rate (1) + (2)	37.561%	34.998%	7.3
4. Less Employee Contribution Rate	(10.075%)	(10.075%)	0.0
5. Less City Contribution Rate Per Ordinance	<u>(11.775%)</u>	<u>(11.775%)</u>	0.0
6. Contribution Shortfall (3) - (4) - (5)	15.711%	13.148%	19.5



SUMMARY OF FUND ACTIVITY

(Market Value Basis)

For Year Ended December 31, 2012

Assets at January 1, 2012	\$	215,434,784
Receipts:		
City Contributions		7,216,050
Employee Contributions		6,201,924
Investment Earnings	_	24,529,957
Total Receipts		37,947,931
Disbursements:		
Benefit Payments		28,226,295
Refund of Contributions		557,950
Investment Fees	_	1,365,382
Total Disbursements		30,149,627
Assets as of December 31, 2012	\$	223,233,088
Estimated Annual Return		
GrossNet of Expenses		11.8% 11.2%



DETERMINATION OF ACTUARIAL VALUE OF ASSETS

The actuarial value of assets is used to minimize the impact of annual fluctuations in the market value of investments on the contribution rate. The current asset valuation method is called the "Expected +25% Method."

The "expected value" of assets is determined by applying the investment return assumption to last year's actuarial value of assets and the net difference of receipts and disbursements for the year. The actual market value is compared to the expected value and 25% of the difference (positive or negative) is added to the expected value to arrive at the actuarial value of assets for the current year.

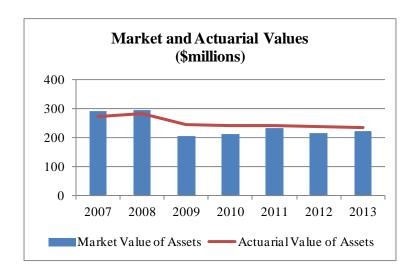
1.	Actuarial Value of Assets as of January 1, 2012	\$ 236,741,347
2.	Actual Receipts / Disbursements a. Total Contributions b. Benefit Payments c. Net Change	13,417,974 (28,784,245) (15,366,271)
3.	Expected Actuarial Value of Assets as of January 1, 2013 $\{ (1) * 1.08 \} + \{ (2c) * 1.08^{\frac{1}{2}} \}$	239,711,558
4.	Market Value of Assets as of January 1, 2013	223,233,088
5.	Excess of Market Value over Expected Actuarial Value as of January 1, 2013	(16,478,470)
6.	Preliminary Actuarial Value of Assets as of January 1, 2013 [(3) + 25% of (5)]	235,591,941
7.	Actuarial Value of Assets after 20% Corridor Applied a. 80% of (4) b. 120% of (4)	178,586,470 267,879,706
8.	Final Actuarial Value of Assets as of as of January 1, 2013 (6) but not < (7a) nor > (7b)	\$ 235,591,941
9.	Rate of Return on Actuarial Value of Assets	6.2%



EXHIBIT 2 (continued)

A historical comparison of the market and actuarial value of assets is shown below:

	Market Value	Actuarial Value	
Date	of Assets (MVA)	of Assets (AVA)	AVA / MVA
1/1/2007	292,040,611	271,494,525	92.96%
1/1/2008	294,658,022	283,243,750	96.13%
1/1/2009	204,452,506	245,343,007	120.00%
1/1/2010	213,219,632	240,109,413	112.61%
1/1/2011	232,346,583	240,291,310	103.42%
1/1/2012	215,434,784	236,741,347	109.89%
1/1/2013	223,233,088	235,591,941	105.54%





ACTUARIAL BALANCE SHEET

An actuarial statement of the status of the System in balance sheet form as of January 1, 2013 is as follows:

Current assets (actuarial value)	\$ 235,591,941
Present value of future normal costs	56,925,680
Present value of future employer contributions to fund unfunded actuarial liability	 200,678,468
Total Assets	\$ 493,196,089

Liabilities

Present value of future retirement benefits for:

Active employees	\$	181,850,054	
Retired employees, contingent annuitants			
and spouses receiving benefits		267,791,830	
Deferred vested employees		5,204,856	
Inactive employees due refunds		59,852	
Inactive employees – disabled		23,803,857	
Total	·-		\$ 478,710,449
Present value of future death benefits payable upon death of active members			2,310,902
Present value of future benefits payable upon termination of active members			 12,174,738
Total Liabilities			\$ 493,196,089



UNFUNDED ACTUARIAL LIABILITY

As of January 1, 2013

The actuarial liability is the portion of the present value of future benefits which will not be paid by future normal costs. The actuarial value of assets is subtracted from the actuarial liability to determine the unfunded actuarial liability.

1.	Present Value of Future Benefits	\$	493,196,089
2.	Present Value of Future Normal Costs	-	56,925,680
3.	Actuarial Liability (1) – (2)		436,270,409
4.	Actuarial Value of Assets	-	235,591,941
5.	Unfunded Actuarial Liability (3) – (4)	\$	200,678,468
6.	Funded Ratio (4) /(3)		54.00%



DEVELOPMENT OF 2013 ACTUARIAL CONTRIBUTION RATE

The actuarial cost method used to determine the required level of annual contributions to support the expected benefits is the Entry Age Normal Cost Method. Under this method, the total cost is comprised of the normal cost rate and the unfunded actuarial liability (UAL) payment. The System is financed by contributions from the employees and the city.

1. (a)	Normal Cost	\$ 8,080,852
(b) (c)	Expected Payroll in 2013 for Current Actives Normal Cost Rate	\$ 58,854,867
	(a) / (b)	13.730%
2.	Unfunded Actuarial Liability at Valuation Date	\$ 200,678,468
3.	Amortization Factor Level Percent of Payroll over 19 Years*	13.819
4.	Unfunded Actuarial Liability Payment $[(2)/(3)] \times 1.08^{1/2}$	\$ 15,091,626
5.	Total Projected Payroll for the Year	\$ 63,327,394
6.	Unfunded Actuarial Liability Payment as Percent of Pay $(4)/(5)$	23.831%
7.	Total Contribution Rate	
	(1c) + (6)	37.561%
8.	Employee Contribution Rate	10.075%
9.	City Ordinance Contribution Rate	11.775%
10.	Contribution Shortfall	
	(7) - (8) - (9)	15.711%

^{*}This assumes all actuarial assumptions are met in the future, including a 4% increase in total covered payroll.



CALCULATION OF ACTUARIAL GAIN/(LOSS)

For Plan Year Ending December 31, 2012

<u>Liabilities</u>		
1. Actuarial liability as of January 1, 2012	\$	420,810,359
2. Normal cost as of January 1, 2012 (mid-year)		7,999,363
3. Interest at 8.00% on (1) and (2) to December 31, 2012		33,978,648
4. Benefit payments during 2012		28,784,245
5. Interest on benefit payments		1,129,220
6. Change in credited service calculation date		2,911,032
7. Expected actuarial liability as of December 31, 2012	\$	435,785,937
(1) + (2) + (3) - (4) - (5) + (6)		
8. Actuarial liability as of December 31, 2012	\$	436,270,409
<u>Assets</u>		
9. Actuarial value of assets as of January 1, 2012	\$	236,741,347
10. Contributions during 2012		13,417,974
11. Benefit payments during 2012		28,784,245
12. Interest on items (8), (9) and (10)		18,336,482
13. Expected actuarial value of assets as of December 31, 2012	\$	239,711,558
(9) + (10) - (11) + (12)		
14. Actual actuarial value of assets as of December 31, 2012	\$	235,591,941
Gain / (Loss)		
15 D		
15. Expected unfunded actuarial liability / (surplus)	¢.	106 074 270
(7) – (13)	\$	196,074,379
16. Actual unfunded actuarial liability / (surplus)	¢.	200 670 460
(8) - (14)	\$	200,678,468
17. Actuarial Gain / (Loss)	Ф	(4 (04 000)
(15) - (16)	\$	(4,604,089)
18. Actuarial Gain / (Loss) on Actuarial Assets	Ф	(4.110.617)
(13) – (14)	\$	(4,119,617)
19. Actuarial Gain / (Loss) on Actuarial Liability	Φ	(404 470)
(8) - (7)	\$	(484,472)



ANALYSIS OF EXPERIENCE

The purpose of conducting an actuarial valuation of a retirement plan is to estimate the costs and liabilities for the benefits expected to be paid from the plan, to determine the annual level of contributions for the current plan year that should be made to support these benefits, and finally, to analyze the plan's experience. The costs and liabilities of this retirement plan depend not only upon the benefit formula and plan provisions but also upon factors such as the investment return on the system assets, mortality rates among active and retired members, withdrawal and retirement rates among active members, and rates at which salaries increase.

The actuarial assumptions employed as to these and other contingencies in the current valuation are set forth in Appendix B of this report.

Since the overall results of the valuation will reflect the choice of assumptions made, periodic studies of the various components comprising the plan's experience are conducted in which the experience for each component is analyzed in relation to the assumption used for that component (called an experience study). This summary is not intended to be an actual "experience study" but rather an analysis of sources of gain and loss in the past plan year.

Gain/(Loss) By Source

The System experienced a net actuarial loss on liabilities of \$484,000 during the plan year ended December 31, 2012, and an actuarial loss on assets of \$4,120,000. The total actuarial loss was \$4,604,000. The major components of this net actuarial experience loss are shown below:

Liability Sources	Gain/(Loss)
Salary Increases	\$ 2,211,000
Mortality	170,000
Terminations	(956,000)
Retirements	(1,181,000)
Disability	(1,119,000)
New Entrants/Rehires	(530,000)
Miscellaneous	921,000
Total Liability Gain/(Loss)	\$ (484,000)
Asset Gain/(Loss)	\$ (4,120,000)
Total Actuarial Gain/(Loss)	\$ (4,604,000)



SECTION II

SYSTEM ACCOUNTING INFORMATION

In an effort to enhance the understandability and usefulness of the pension information that is included in the financial reports of pension plans for state and local governments, the Governmental Accounting Standards Board (GASB) has issued Statement No. 25 – Financial Reporting for Defined Benefit Pension Plans and Statement No. 27 – Accounting for Pension by State and Local Governmental Employers.

GASB Statement No. 25 establishes a financial reporting framework for defined benefit plans. In addition to two required statements regarding plan assets, the statement requires two schedules and accompanying notes disclosing information relative to the funded status of the plan and historical contribution patterns.

- The Schedule of Funding Progress provides historical information about the funded status of the plan and the progress being made in accumulating sufficient assets to pay benefits when due.
- The Schedule of Employer Contributions provides historical information about the annual required contributions (ARC) and the percentage of the ARC that was actually contributed.

GASB Statement No. 27 establishes standards for the measurement, recognition, and display of pension expense and related liabilities. Annual pension cost is measured and disclosed on the accrual basis of accounting. In general, the annual pension cost is equal to the ARC with adjustments for past under-contributions or over-contributions. These adjustments are based on the net pension obligation (NPO) that represents the cumulative difference between the annual pension cost and the actual contributions to the plan. The first adjustment is equal to interest on the NPO which is added to the ARC. The second adjustment is an amortization of the NPO which is deducted from the ARC. Effective January 1, 2005 the System uses the Entry Age Normal method to determine the ARC and the unfunded actuarial liability (or surplus) is amortized as a level percentage of payroll.

In July 2012, GASB issued new statements that will significantly change the accounting for pension benefits provided by governmental employers. The new statements, Numbers 67 and 68, will not be effective for the City of Omaha until fiscal years beginning in 2014 and 2015 respectively. They had no impact on the accounting information provided in this report, but are mentioned here because of their significance and applicability in future years.



EXHIBIT 8 SCHEDULE OF EMPLOYER CONTRIBUTIONS

In accordance with Statement No. 25 of the Governmental Accounting Standards Board

	Annual	Total	Percentage
Fiscal	Required	Employer	of ARC
Year	Contribution*	Contribution*	Contributed*
Ending	(a)	(b)	(b/a)
12/31/2007	\$ 8,883,617	\$4,975,039	56.00%
12/31/2008	9,212,669	5,374,082	58.33%
12/31/2009	12,893,331	5,310,754	41.19%
12/31/2010	14,149,386	5,717,610	40.41%
12/31/2011	14,564,847	6,618,110	45.44%
12/31/2012	15,658,045	7,216,050	46.09%

^{*}Information prior to 2011 was provided by the prior actuary and has not been reviewed or verified by Cavanaugh Macdonald Consulting.

Notes to the Required Schedules:

- 1. The traditional Entry Age Normal cost method is used.
- 2. The actuarial value of assets is determined based on a method that smoothes the effects of short term volatility in the market value investments. The actuarial value is equal to the expected value, based on the assumed rate of return, plus 25% of the difference between market and expected values. A corridor of 80% to 120% of market value is also applied.
- 3. Economic assumptions are as follows: Investment return rate: 8.00%

Salary increase rates: from 10% at 1 year of

service to 4% at 20 years of service

Inflation rate: 3.5% Payroll growth: 4.00%

Post-retirement benefit increases: Applicable

after 5 years equal to the lesser of 3% or \$50

per month for members (and their beneficiaries) who retired on or before

January 28, 1998.

4. The amortization method is a closed 30 year period, level percentage of payroll (the unfunded actuarial liability is amortized over 20 years as of January 1, 2012).



EXHIBIT 9

DEVELOPMENT OF THE NET PENSION OBLIGATION IN ACCORDANCE WITH GASB STATEMENT NO. 27

Fiscal Year End:	12/31/2006	12/31/2007	12/31/2008	12/31/2009	12/31/2010	12/31/2011	12/31/2012	12/31/2013
Assumptions and Methods								
Interest Rate	7.50%	7.50%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
Payroll Growth	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Amortization Period (years)	30	30	30	30	30	21	20	19
Cost Method	EA Normal							
Annual Pension Cost								
Annual Required Contribution								
(ARC)	\$6,213,801	\$8,883,617	\$9,212,669	\$12,893,331	\$14,149,386	\$14,564,847	\$15,658,045	\$17,406,168
Interest on NPO	607,521	807,256	1,112,817	1,410,080	2,004,239	2,661,089	3,322,571	4,022,396
Adjustment to ARC	(685,860)	(896,331)	(1,235,608)	(1,565,673)	(2,225,393)	(2,339,292)	(3,016,753)	(3,781,184)
Annual Pension Cost	\$6,135,462	\$8,794,542	\$9,089,878	\$12,737,738	\$13,928,232	\$14,886,644	\$15,963,863	\$17,647,380
Contribution for the Year	\$4,145,033	\$4,975,039	\$5,374,082	\$5,310,754	\$5,717,610	\$6,618,110	\$7,216,050	TBD
Net Pension Obligation (NPO)								
NPO at beginning of year	\$8,100,275	\$10,090,704	\$13,910,207	\$17,626,003	\$25,052,987	\$33,263,609	\$41,532,143	\$50,279,956
Annual Pension Cost for Year	6,135,462	8,794,542	9,089,878	12,737,738	13,928,232	14,886,644	15,963,863	17,647,380
Contributions for year	(4,145,033)	(4,975,039)	(5,374,082)	(5,310,754)	(5,717,610)	(6,618,110)	(7,216,050)	TBD
NPO at end of year	\$10,090,704	\$13,910,207	\$17,626,003	\$25,052,987	\$33,263,609	\$41,532,143	\$50,279,956	TBD

Note: All information prior to 2011 in this exhibit was provided by the prior actuary and has not been reviewed or verified by Cavanaugh Macdonald Consulting, LLC.



EXHIBIT 10
SCHEDULE OF FUNDING PROGRESS

In Accordance with Statement No. 25 of the Governmental Accounting Standards Board

	Market		Unfunded			UAAL as a
Actuarial	Value of	Actuarial	AAL	Funded	Covered	Percentage of
Valuation	Assets ²	Liability (AAL)	(UAAL)	Ratio	Payroll (P/R)	Covered P/R
Date ¹	(a)	(b)	(b-a)	(a/b)	(c)	[(b-a)/c]
12/31/2007	\$294,700,000	\$369,000,000	\$ 74,300,000	79.9%	\$54,000,000	137.6%
12/31/2008	204,500,000	387,700,000	183,200,000	52.7%	56,400,000	324.8%
12/31/2009	213,200,000	402,800,000	189,600,000	52.9%	55,700,000	340.4%
12/31/2010	232,400,000	414,500,000	182,100,000	56.1%	56,700,000	321.2%
1/1/2011	240,291,310	409,442,601	169,151,291	58.7%	59,235,591	285.6%
1/1/2012	236,741,347	420,810,359	184,069,012	56.3%	62,825,685	293.0%
1/1/2013	235,591,941	436,270,409	200,678,468	54.0%	63,327,394	316.9%

- 1. Results prior to 2011 were provided by the prior actuary and were reported at the end of the year rather than the valuation date.
- 2. The prior actuary reported the market value of assets in column (a). Our understanding of GASB 25/27 is that the valuation methodology should be used for GASB calculations to the extent it complies with GASB 25 parameters. Information reported as of 1/1/2011 and later reflects the valuation methodology, including the actuarial value of assets.



EXHIBIT 11 THREE-YEAR TREND INFORMATION*

Fiscal Year Ending			Net Pension d Obligation		
12/31/2010	\$13,928,232	41%	\$33,263,609		
12/31/2011	14,886,644	44%	41,532,142		
12/31/2012	15,963,863	45%	50,279,956		

^{*}All information prior to 2011 in this exhibit was provided by the prior actuary and has not been reviewed or verified by Cavanaugh Macdonald Consulting, LLC.



APPENDIX A

SUMMARY OF PLAN PROVISIONS

Effective Date:

Section 22 - 21 January 1, 1949

Active Member:

Section 22 - 24 and 25

on a contractual or fee basis, seasonal, temporary and parttime employees, and elected officials who do not make written application.

All City employees except: policemen, firemen, persons paid

Average Final Monthly Compensation:

Section 22 - 23

The member's highest consecutive 26 pay periods of compensation during the final 130 pay periods of service as a member divided by 12.

Member Contributions: Section 22 - 26(a)

Each member will contribute a percentage of total compensation as shown in the following table. Interest is currently credited at 3.0% on member contributions.

<u>Year</u>	Percent Contributed
2010	8.575%
2011	9.325%
2012	10 075%

City of Omaha Contributions: Section 22 – 26(e)

The City will contribute a percentage of each member's total compensation as shown in the following table.

<u>Year</u>	Percent Contributed
2010	10.275%
2011	11.025%
2012	11.775%

Service Credits
Section 22 – 28 and 29

The member shall receive membership service credit for each full pay period of employment. Intervening periods of military service in time of emergency shall be counted, provided the member is honorably discharged and returns to work within 90 days after such discharge.

Membership credits shall be earned by those receiving a disability pension. However, the total credited service will not exceed 30, unless more than 30 years were earned as an active member.



APPENDIX A

SUMMARY OF PLAN PROVISIONS (continued)

Service Retirement Eligibility: Section 22 - 30

A member is eligible to retire after age 50 if their age plus service is 80 or more. Otherwise, a member is eligible to retire after age 55 and 5 years of service. The pension is reduced 8% for years prior to age 60. No reduction applies if age plus service is 80 or more.

Service Retirement Pension: Section 22 - 32 A monthly pension equal to 2.25% of Average Final Monthly Compensation times years of credited service.

Disability Benefits: Section 22 - 35 If permanently disabled with five years of service, the member shall receive 60% of final monthly compensation offset by Social Security and workers' compensation benefits. Payment for all medical, surgical and hospital expenses incurred is made if disability is service related. Not payable while full salary continues.

Spouse's Pension:

1. Death of Active Member Section 22 - 36

A monthly pension equal to 75% of the member's accrued pension is paid to the surviving spouse until death or remarriage. The member must have had five years of service or had a service-connected death and six months of service.

 Death of a Member Eligible for Retirement or Death of Retired Member Section 22 - 36 If legally married to the member for at least one year, surviving spouse shall be entitled to 75% of the pension the member was receiving or was eligible to receive at the time of death. Upon the spouse's remarriage, all benefits cease.

Children's Pension: Section 22 - 36 Upon the death of an active or retired member, the following benefit will be paid to the surviving children until age 18 or prior to death or marriage, except that if a child is totally disabled, the full pension continues until the cessation of total disability or dependency for support whichever occurs first:

Number of	Percentage
Dependent Children	of Accrued Benefit
1	5%
2	10%
3	15%
4 or more	20%



APPENDIX A

SUMMARY OF PLAN PROVISIONS (continued)

Lump Sum Death Benefits:

1. Active Member without Eligible

Dependents Section 22 - 37 Accumulated member's contributions, plus \$5,000.

2. Retired Member without Eligible

Dependents Section 22 - 37 Accumulated member's contribution less previous pension

payments made, plus \$5000.

3. Active Member with Eligible Dependents:

Section 22 - 37

\$5,000.

4. Retired Member with Eligible Dependents

Section 22 - 37

\$5,000.

Vesting:

Section 22 - 39

Upon severance of employment by a member with less than 5 years of service and prior to obtaining eligibility under Section

22-30, a refund of such member's accumulated contributions, including credited interest, will be paid.

Section 22 - 40

Upon severance of employment by a member with more than 5 years of service and prior to obtaining eligibility for

retirement, the member may elect, in lieu of receiving a refund of contributions, to receive a monthly pension, reduced for early retirement if applicable, commencing at or about age 55. Such deferred pension shall be based on service credited to the

date of severance.

Supplemental Pension:

Section 22 – 123

Retirees (including widow, widowers and children) receive a supplemental pension (Cost of Living Adjustment – COLA) after five years equal to the lesser of 3% or \$50 per month. The COLA is granted for the full remaining period that benefits are payable. No COLAs will be available for

members who retire after January 28, 1998.



APPENDIX B

ACTUARIAL METHOD AND ASSUMPTIONS

Actuarial Method

Valuation of the System uses the "entry age-normal" cost method. Under this actuarial method, the value of future costs attributable to future employment of participants is determined. This is called present value of future normal costs. The following steps indicate how this is determined for benefits expected to be paid upon normal retirement.

- 1. The expected pension benefit at normal retirement is determined for each participant.
- 2. A normal cost, as a level percent of pay, is determined for each participant assuming that such level percent is paid from the employee's entry age into employment to his normal retirement. This normal cost is determined so that its accumulated value at normal retirement is sufficient to provide the expected pension benefits.
- 3. The sum of the normal costs for all participants for one year determines the total normal cost of the System for one year.
- 4. The value of future payments of normal cost in future years is determined for each participant based on his years of service to normal retirement age.
- 5. The sum of the value of future payments of normal cost for all participants determines the present value of future normal costs.

The value of future costs attributable to past employment of participants, which is called the actuarial liability, is equal to the present value of benefits less the present value of future normal costs. The unfunded actuarial liability is equal to the excess of the actuarial liability over assets. The unfunded actuarial liability is funded as a level percent of payroll over a 30 year closed period that began January 1, 2002.

As experience develops with the System, actuarial gains and losses result. These actuarial gains and losses indicate the extent to which actual experience is deviating from that expected on the basis of the actuarial assumptions. In each year, as they occur, actuarial gains and losses are recognized in the unfunded actuarial liability as of the valuation date.



APPENDIX B

ACTUARIAL ASSUMPTIONS (continued)

Interest: 8.00% per year, net of investment expenses.

Inflation: 3.5% per year, net of investment expenses.

Salary Increases:

Annual Rate of Increase For Sample Years

Years of Service	Inflation	Productivity	Merit & Longevity	Total Increase
1	3.5%		6.0%	10.0%
1	3.5%	.5%	0.0%	10.0%
5	3.5%	.5%	2.5%	6.5%
10	3.5%	.5%	1.0%	5.0%
15	3.5%	.5%	0.5%	4.5%
20+	3.5%	.5%	0.0%	4.0%

Payroll Growth Assumption 4.0%

Service Retirement Age

Eligible for Unreduced Retirement

	1 st Year	Subsequent
<u>Age</u>	Eligible	Years
50-53	25%	20%
54-55	35%	25%
56-57	45%	30%
58-59	50%	25%
60	25%	25%
61		25%
62		35%
63		25%
64		25%
65-69		50%
70		100%

Members eligible for Early, but not Unreduced Retirement, are assumed to retire at a rate of 5% per year from age 55 to 59.

Mortality:

Active Members RP-2000 Employee Table with generational improvements

using scale AA, set forward one year

Pensioners RP-2000 Healthy Annuitant Table with generational

improvements using scale AA, set forward one year

Disabled RP-2000 Disabled Table with generational improvements



APPENDIX B ACTUARIAL ASSUMPTIONS (continued)

Disability:

<u>Age</u>	Annual Rate
20	0.11%
30	0.14%
40	0.19%
50	0.41%
60	1.48%

Percent Married at Death 75% or Retirement:

0

Number of Children per Married Member

Termination:

SAMPLE RATES

Years of Service	Annual Rate			
1	15%			
5	7%			
10	3%			
11+	2.5%			

Assets:

Actuarial Value of Assets equals 75% of Expected Value plus 25% of Market Value.

Vested Terminations

Electing Refund:	<u>Age</u>	Percent
	40 and Below	100%
	41	80%
	42	60%
	43	40%
	44 and Above	0%



APPENDIX C

HISTORICAL SUMMARY OF MEMBERSHIP

The following table displays selected historical data as available.

		Active Members									
Valu	ation							Number			
Date	Total			Entry	Average	Average Annual	Pay		Vested		
1-Jan	Count	Number	Age	Age	Service	Pay (\$)	Increase	Disabled	Inactive	Retired	
2008	2,427	1,125	47.1	35.9	11.2	46,470		125	79	1,098	
2009	2,440	1,116	47.3	36.4	10.9	47,495	2.21%	122	81	1,121	
2010	2,456	1,116	47.8	37.1	10.8	49,667	4.57%	124	83	1,133	
2011	2,493	1,130	47.4	36.9	10.5	49,030	(1.28)%	120	82	1,161	
2012	2,541	1,156	47.3	36.8	10.5	50,335	2.66%	121	77	1,187	
2013	2,580	1,150	46.9	36.7	10.2	50,842	1.01%	122	75	1,233	



MEMBERSHIP DATA FOR VALUATION

The summary of employee characteristics presented below covers the employee group as of January 1, 2013. The schedules at the end of the report show the distribution of the various employee groups by present age along with other pertinent data.

Total number of employees in valuation:

(a) Active employees	1,150
(b) Deferred vested employees	75
(c) Disabled employees	122
(d) Retired employees, spouses and children receiving benefits	1,233
(e) Total employees in valuation	2,580
Average age of employees in valuation:	
(a) Active employees	46.9
Attained Age Hire Age	36.7
(b) Deferred vested employees	49.3
(c) Disabled employees	60.9
(d) Retired employees	68.2
(e) Spouses and children receiving benefits	72.1
Active employees eligible for vested benefits as of January 1, 2013:	
(a) Employees under age 55 with 5 or more years of service – eligible for deferred vested benefits	475
(b) Employees age 55 and over with 5 or more years of service – eligible for early or normal retirement benefits	270
(c) Employees eligible for refund of contributions only	405
(d) Total	1,150



MEMBERSHIP DATA RECONCILIATION

January 1, 2012 to January 1, 2013

The number of members included in the valuation, as summarized in the table below, is in accordance with the data submitted by the System for eligible employees as of the valuation date.

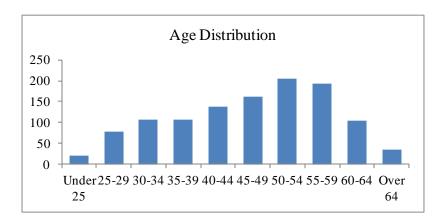
	Active Members	Deferred <u>Vested</u>	<u>Disabled</u>	<u>Retirees</u>	<u>Beneficiaries</u>	<u>Total</u>
Members as of 1/1/2012	1,156	77	121	926	261	2,541
New Members	95	0	0	0	0	95
Terminations						
Rehired	2	(1)	0	0	0	1
Refunded	(18)	(1)	0	0	0	(19)
Terminated, refund due	(5)	0	0	0	0	(5)
Deferred Vested	(7)	7	0	0	0	0
LTD	(6)	0	6	0	0	0
Data Corrections (and Benefits Expired)	0	0	0	0	0	0
Retirements	(64)	(7)	0	71	0	0
Alternate Payees (QDRO)	0	0	0	0	0	0
Deaths						
With Beneficiary	(2)	0	(3)	(13)	18	0
Without Beneficiary	(1)	0	(2)	(21)	(9)	(33)
Total Members 1/1/2013	1,150	75	122	963	270	2,580

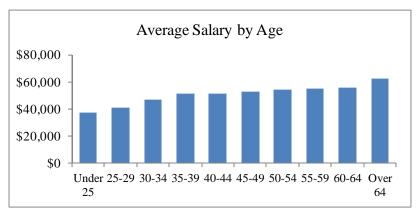


SCHEDULE I

ACTIVE MEMBERS AS OF JANUARY 1, 2013

	Count of Members			_	Valuatio	on Salaries of M	embers
<u>Age</u>	Males	<u>Females</u>	<u>Total</u>		Males	<u>Females</u>	<u>Total</u>
Under 25	17	4	21		\$ 620,754	\$ 156,695	\$ 777,449
25-29	45	33	78		1,800,120	1,383,000	3,183,120
30-34	69	37	106		3,333,080	1,651,155	4,984,234
35-39	70	37	107		3,519,191	1,931,979	5,451,170
40-44	108	29	137		5,761,107	1,251,152	7,012,259
45-49	119	43	162		6,368,139	2,223,141	8,591,281
50-54	138	67	205		7,557,976	3,580,917	11,138,893
55-59	125	68	193		7,118,598	3,490,693	10,609,291
60-64	71	34	105		4,032,362	1,808,416	5,840,777
Over 64	19	17	36		1,412,119	845,555	2,257,674
Total	781	369	1,150	_	\$41,523,446	\$18,322,703	\$59,846,148





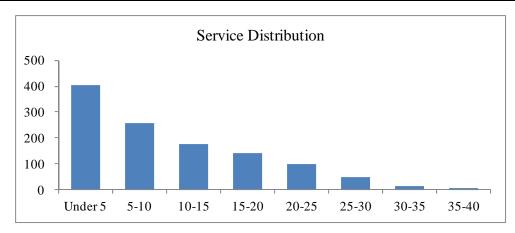


SCHEDULE I (continued)

ACTIVE MEMBERS AS OF JANUARY 1, 2013

<u>Age</u>	
Under 25	
25-29	
30-34	
35-39	
40-44	
45-49	
50-54	
55-59	
60-64	
Over 64	
Total	

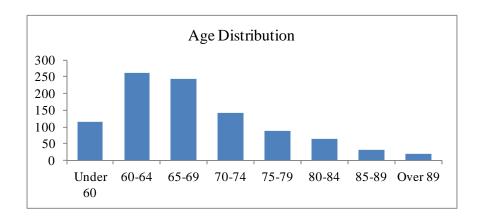
Service									
Under 5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	Over 40	Total
21	0	0	0	0	0	0	0	0	21
69	9	0	0	0	0	0	0	0	78
66	35	5	0	0	0	0	0	0	106
56	31	20	0	0	0	0	0	0	107
51	29	37	17	3	0	0	0	0	137
33	45	33	28	20	3	0	0	0	162
45	41	30	25	36	23	5	0	0	205
38	38	27	49	24	12	3	2	0	193
19	21	20	18	10	9	4	4	0	105
7	8	3	6	5	3	2	2	0	36
405	257	175	143	98	50	14	8	0	1,150

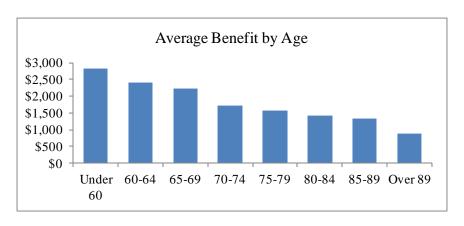




SCHEDULE II
RETIRED MEMBERS AS OF JANUARY 1, 2013

	Count of Retirees				Current Monthly Benefits				
<u>Age</u>	Males Females Total			Males	<u>Females</u>	<u>Total</u>			
Under 60	66	66 48 114			\$ 200,025	\$121,051	\$ 321,076		
60-64	178	82	260		451,408	170,720	622,128		
65-69	170	73	243		413,850	128,391	542,241		
70-74	101	41	142		184,034	59,826	243,860		
75-79	65	23	88		105,254	32,326	137,580		
80-84	43	21	64		70,939	19,874	90,813		
85-89	22	9	31		33,225	8,562	41,787		
Over 89	9	9 12 21			8,543	10,182	18,725		
Total	654 309 963				\$1,467,279	\$550,931	\$2.018.210		



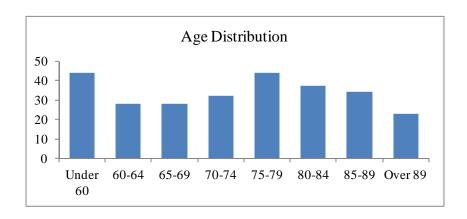


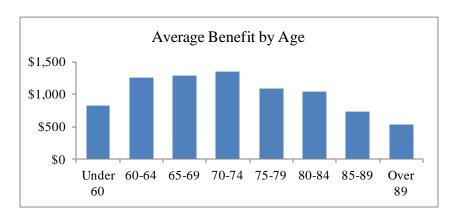


SCHEDULE III

BENEFICIARIES RECEIVING BENEFITS AS OF JANUARY 1, 2013

	Count of Beneficiaries				Current Monthly Benefits				
<u>Age</u>	Males	Males Females Total			Males	<u>Females</u>	<u>Total</u>		
Under 60	5	39	44		\$ 2,752	\$ 33,846	\$ 36,598		
60-64	7	21	28		5,666	29,500	35,165		
65-69	2	26	28		1,430	34,791	36,220		
70-74	0	32	32		0	43,194	43,194		
75-79	3	41	44		2,968	45,137	48,106		
80-84	2	35	37		2,157	36,067	38,224		
85-89	2	32	34		1,778	23,285	25,063		
Over 89	1	22	23		582	11,837	12,419		
Total	22 248 270			\$17,333	\$257,657	\$274,990			







SCHEDULE IV DEFERRED VESTED FORMER MEMBERS AS OF JANUARY 1, 2013

	Cou	int of Memb	ers	Exp	Expected Monthly Benefit					
<u>Age</u>	Males	<u>Females</u>	<u>Total</u>	Males	<u>Females</u>	<u>Total</u>				
Under 25	0	0	0	\$ (\$ 0	\$ 0				
25-29	0	0	0	(0	0				
30-34	2	0	2	1,205	5 0	1,205				
35-39	1	3	4	1,026	5 2,527	3,553				
40-44	8	7	15	5,480	6,477	11,957				
45-49	9	5	14	9,887	3,421	13,308				
50-54	9	9	18	9,340	11,315	20,655				
55-59	11	11	22	14,440	8,242	22,682				
Over 59	0	0	0	(0	0				
Total	40	35	75	\$41,378	3 \$31,982	\$73,361				



SCHEDULE V

DISABLED MEMBERS RECEIVING BENEFITS AS OF JANUARY 1, 2013

	Count of Members				Current Monthly Benefit						
<u>Age</u>	Males	<u> ales <u>Females</u> <u>Total</u></u>			Males		<u>Females</u>		<u>Total</u>		
Under 25	0	0	0		\$ 0		\$	0	\$	0	
25-29	0	0	0		0			0		0	
30-34	0	0	0		0			0		0	
35-39	1	0	1		2,205			0		,205	
40-44	2	0	2		3,433		0		3	,433	
45-49	7	0	7		13,027		0		13,027		
50-54	22	2	24		40,789		3,108		43,897		
55-59	14	9	23		25,094		15,737		40,831		
Over 59	55	10	65		81,509		81,509 10,6		92,132		
Total	101 21 122			-	\$166,059 \$29,468			\$195,527			