

**ARIZONA ELECTED OFFICIALS' RETIREMENT PLAN
CONSOLIDATED REPORT**

JUNE 30, 2014

October 16, 2014

The Board of Trustees
Arizona Elected Officials' Retirement Plan
Phoenix, Arizona

Re: Arizona Elected Officials' Retirement Plan Actuarial Valuation as of June 30, 2014

Ladies and Gentlemen:

The results of the June 30, 2014 annual actuarial valuation of members covered by the Arizona Elected Officials' Retirement Plan (EORP) are presented in this report. The purpose of the valuation was to measure the System's funding progress, provide actuarial information in connection with applicable Governmental Accounting Standards Board Statements and to determine the employer contribution for the 2015-2016 fiscal year. The funding objective is stated in Article 4, Chapter 5, Title 38, Sections 843B and 848N of the Arizona Revised Statutes. This report should not be relied upon for any other purpose. This report may be distributed to parties other than the System only in its entirety and only with the permission of the Board.

The valuation was based upon information, furnished by the State Retirement System, concerning Retirement System benefits, financial transactions, and individual members, terminated members, retirees and beneficiaries. Data was checked for internal and year to year consistency, but was not otherwise audited by us. As a result, we are unable to assume responsibility for the accuracy or completeness of the data provided.

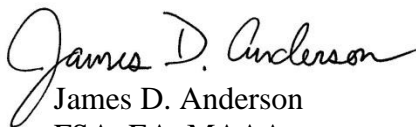
Future actuarial measurements may differ significantly from those presented in this report due to such factors as experience differing from that anticipated by actuarial assumptions, changes in plan provisions, actuarial assumptions/methods or applicable law. Due to the limited scope of this assignment, we did not perform an analysis of the potential range of future measurements.

To the best of our knowledge, this report is complete and accurate and the valuation was conducted in accordance with standards of practice prescribed by the Actuarial Standards Board and in compliance with the applicable state statutes. Mark Buis, James D. Anderson and Francois Pieterse are independent of the plan sponsor and are Members of the American Academy of Actuaries (MAAA) who meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. It is our opinion that the actuarial assumptions used for the valuation produce results which are reasonable.

Respectfully submitted,



Mark Buis
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James D. Anderson
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Francois Pieterse
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MB/JDA:sc

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EXECUTIVE SUMMARY/BOARD SUMMARY

1. Required Employer Contributions to Support Retirement Benefits

The computed employer contribution and funded status for the fiscal year beginning July 1, 2015 is shown below. Please note that the actual contribution will now be made on a statutorily required contribution basis (as described on page A-3).

EORP	Pension	Health	Total
Employer Contribution Rate	86.54%	0.00 %	86.54%
Funded Status	39.4%	190.8%	41.6%

2. Contribution Rate Comparison

The chart below compares the results of this valuation of the Retirement Plan with the results of the prior year's valuation:

Valuation Date	Pension	Health	Total
6/30/2013	55.29%	2.20%	57.49%
6/30/2014	86.54%	0.00 %	86.54%

Please note that the pension contribution rate increased significantly. This arose primarily due to the repeal of certain aspects of SB1609 which resulted in much larger recognition of liabilities related to projected Permanent Benefit Increases (PBI). The contribution rate also increased due to the continued recognition of 2008-2009 asset losses.

EXECUTIVE SUMMARY/BOARD SUMMARY

3. Reasons for Change

Changes in the contribution rate and funded status are illustrated on the following charts.

Contribution Rate	Pension	Health	Total
Contribution Rate Last Valuation	55.29%	2.20%	57.49%
PBI Effect	22.88%	N/A	22.88%
Asset Losses	2.62%	N/A	2.62%
Transfer of Assets to Health	3.15%	(3.15)%	0.00%
Other	2.60%	0.95%	3.55%
Contribution Rate This Valuation	86.54%	0.00%	86.54%

Funded Status	Pension	Health	Total
Funded Status Last Valuation	56.5%	0.0%	55.5%
PBI Effect	(10.2)%	N/A	(10.2)%
Asset Losses	(2.4)%	N/A	(2.4)%
Transfer of Assets to Health	(2.6)%	190.8%	0.0%
Other	(1.9)%	0.0%	(1.3)%
Funded Status This Valuation	39.4%	190.8%	41.6%

The PBI effect is the result of increases in liability due to the reversal of SB1609. Asset losses are based on 7-year smoothing of assets and therefore primarily attributable to the market downturn in 2008-2009. A transfer of Assets to the Health Plan was also made this year. In accordance with IRS rules, assets dedicated to pay retiree health care benefits must be segregated from assets dedicated to pay pension benefits. The Board of Trustees provided this asset split for the year ending June 30, 2014. This resulted in an increase in the pension contribution with an equivalent decrease in the health contribution.

EXECUTIVE SUMMARY/BOARD SUMMARY

4. Plan Experience

Experience during the year ended June 30, 2014 was overall unfavorable. On a market value basis, the System's return for the year ended June 30, 2014 was 13.1%. However, the market value smoothing techniques used in this valuation of the System recognize both past and present investment gains and losses. The resulting actuarial asset yield for the year was 2.3%. The effects of the asset losses were partially offset by gains attributable to demographic experience. Detailed information related to System experience is shown on page B-2.

5. Looking Ahead

The continuing effect of prior losses was dampened by the 7-year smoothing period, and further offset by the effect of lower than expected pay increases. There remains \$6 million of unrecognized investment losses that will, in the absence of other gains, put upward pressure on the contribution rate next year. Next year is the last year of the recognition of the 2008/2009 asset loss.

In 2014 the Society of Actuaries published new mortality tables which include mortality improvement scales. While these tables were not developed specifically for the Public Sector, we recommend that the mortality assumption be reviewed in conjunction with the next regularly scheduled experience study.

6. Conclusion

The reversal of some of the provisions in SB1609 due to the Fields decision resulted in a significant increase in the contribution rate. If pending litigation in the Hall case is ruled in favor of the plaintiffs, contribution rates will increase again next year. The statutory contribution of 23.50% of aggregate payroll was instituted prior to the Fields decision. We recommend that this rate be reviewed to reflect the recent court rulings on benefit provisions.

The retired lives are less than fully funded on a funding value of assets basis, but are much less than fully funded based upon the market value of assets. It is most important that this plan receive contributions at least equal to the rates shown in this report.

SECTION A
INTRODUCTION

FUNDING OBJECTIVE

The purpose of the annual actuarial valuation of the Arizona Elected Officials' Retirement Plan as of June 30, 2014 is to:

- Compute the liabilities associated with benefits likely to be paid on behalf of current retired and active members. This information is contained in Section B.
- Compare accrued assets with accrued liabilities to assess the funded condition. This information is contained in Section B.
- Compute the employers' recommended contribution rates for the Fiscal Year beginning July 1, 2015. This information is contained in Section A.

This objective is stated in Article 4, Chapter 5, Title 38, Sections 843B and 848N of the Arizona Revised Statutes.

CONTRIBUTION RATES

The Retirement Plan is supported by member contributions, employer contributions and investment income from Retirement Plan assets.

Contributions which satisfy the funding objective are determined by the annual actuarial valuation and are sufficient to:

- (1) Cover the actuarial present value of benefits allocated to the current year by the actuarial cost method described in Section E (the normal cost); and
- (2) Finance over a period of future years the actuarial present value of benefits not covered by valuation assets and anticipated future normal costs (the unfunded actuarial accrued liability).

Computed contribution rates for the fiscal year beginning July 1, 2015 are shown on page A-2.

CONTRIBUTION REQUIREMENTS

Development of Employer Contributions for the Indicated Valuation Date

	June 30,	
	2013	2014
Contribution for Fiscal Year Ending	2015	2016
Pension		
Normal cost requirement		
Service pensions	22.32%	23.10%
Disability pensions	0.08	0.08
Survivors of active members	0.66	0.68
Refunds of members' accumulated contributions	<u>0.84</u>	<u>0.84</u>
Total normal cost requirement	23.90%	24.70%
Employee Contributions		
Total employee rate	13.00%	13.00%
Less portion used to pay down unfunded liability	<u>6.00</u>	<u>6.00</u>
Net employee rate	<u>7.00%</u>	<u>7.00%</u>
Employer normal cost requirement	16.90%	17.70%
Amortization of unfunded liabilities	<u>38.39%</u>	<u>68.84%</u>
Total recommended pension contribution rate	55.29%	86.54%
Health		
Normal cost requirement	0.59%	0.59%
Amortization of unfunded liabilities	<u>1.61%</u>	<u>(0.59)%</u>
Total health contribution requirement	2.20%	0.00%
Total contribution rate	57.49%	86.54%
Estimated Dollar Pension Contribution	\$ 37,323,403	\$ 59,142,210
Estimated Dollar Health Contribution	\$ 1,485,105	\$ -

Actuarial accrued liability, \$808,357,273, exceeded the funding value of assets, which was \$336,494,898. The resulting unfunded actuarial accrued liabilities (after netting out the maintenance of effort reserve of \$10,573,115 from the actuarial value of assets) were amortized as a level dollar over a closed period of 22 years ending June 30, 2037 and added to the employer normal cost. The 22 year period is a one year decrease from last year. This method is appropriate for plans that are closed to new hires. The actual funding contribution is now defined under statute (as described on the following page).

CONTRIBUTION REQUIREMENTS

Contribution Amounts per Section 38-810, Arizona Revised Statutes: Beginning January 1, 2014 and continuing for 30 years, employer contributions equal 23.5% of aggregate payroll. Aggregate payroll is on behalf of active members in the Arizona Elected Official's Retirement Plan (EORP) and active members in the Elected Officials' Defined Contribution Retirement System (EODCRS), and active members in the Arizona State Retirement System (ASRS) who opt out of EODCRS because they had money on account with ASRS. The employer contributions are used to pay for:

- 1) EORP Defined Benefits = Employer Normal Cost plus an amount to amortize the unfunded accrued liability; and
- 2) EODCRS Defined Contribution = 6% of pay for those electing EODCRS, first effective January 1, 2014; and
- 3) ASRS Defined Benefits = Employer's contribution amount.

Additionally, in fiscal years 2013-2014 through 2042-2043, the sum of \$5,000,000 is appropriated in each fiscal year from the state general fund to EORP to supplement the Normal Cost plus an amount to amortize the unfunded accrued liability.

Based on the June 30, 2014 payroll of \$68,340,894 and on court fees received during 2013-2014 in the amount of \$8,540,583 the estimated employer contribution for the fiscal year ending in June 30, 2016 will be **\$30,911,198**.

The aggregate contribution rate of 23.50% of payroll was instituted prior to the Fields decision. If contributions are not increased, assets are likely to be depleted in the next 20 years. We recommend the rate be reviewed to reflect recent court decisions.

HISTORICAL SUMMARY OF RECOMMENDED EMPLOYER PENSION RATES

Valuation Date June 30	Fiscal Year Ending June 30	Normal Cost	Unfunded Actuarial Accrued Liability	Total
2005	2007	22.57%	1.70%	24.27%
2006	2008	16.59	3.62	20.21
2007	2009	18.46	9.54	28.00
2008	2010	17.34	8.91	26.25
2009	2011	18.51	11.28	29.79
2010	2012	18.52	14.47	32.99
2011	2013	17.33	19.11	36.44
2012	2014	18.31	21.31	39.62
2013	2015	17.49	40.00	57.49
2014*	2016	17.70	68.84	86.54

* Beginning with the June 30, 2014 valuation the rates are for pension only.

2005 results were revised pursuant to changes enacted by the 2006 Legislature and the EORP Board of Trustees.

The statutory minimum employer contribution is 10% of payroll.

Results prior to 2009 were calculated by the prior actuary.

HISTORICAL SUMMARY OF RECOMMENDED EMPLOYER HEALTH RATES

Valuation Date June 30	Fiscal Year Ending June 30	Normal Cost	Unfunded Actuarial Accrued Liability	Total
2014	2016	0.59%	(0.59)%	0.00 %

SECTION B
FUNDING RESULTS

PRESENT VALUE OF FUTURE BENEFITS AND ACCRUED LIABILITY

	June 30,	
	2013	2014
Pension		
A. Accrued Liability		
1. For retirees and beneficiaries	\$ 423,992,661	\$ 576,014,997
2. For vested terminated members	6,299,387	6,262,087
3. For present active members		
a. Value of expected future benefit payments	278,124,096	302,680,301
b. Value of future normal costs	87,525,644	88,711,847
c. Active member accrued liability: (a) - (b)	190,598,452	213,968,454
4. Total accrued liability	620,890,500	796,245,538
B. Present Assets (Funding Value)	350,884,652	313,381,951
C. Unfunded Accrued Liability: (A.4) - (B)	270,005,848	482,863,587
D. Funding Ratio: (B) / (A.4)	56.5%	39.4%
Health		
A. Accrued Liability		
1. For retirees and beneficiaries	\$ 7,518,741	\$ 7,683,506
2. For present active members		
a. Value of expected future benefit payments	6,191,354	6,406,196
b. Value of future normal costs	2,063,663	1,977,967
c. Active member accrued liability: (a) - (b)	4,127,691	4,428,229
3. Total accrued liability	11,646,432	12,111,735
B. Present Assets (Funding Value)	-	23,112,947
C. Unfunded Accrued Liability: (A.3) - (B)	11,646,432	(11,001,212)
D. Funding Ratio: (B) / (A.3)	0.0%	190.8%

DERIVATION OF EXPERIENCE GAIN/(LOSS)

Actual experience will never (except by coincidence) exactly match assumed experience. Gains and losses often cancel each other over a period of years, but sizable year-to-year fluctuations are common. Detail on the derivation of the experience gain (loss) is shown below, along with a year-by-year comparative schedule.

	June 30,	
	2013	2014**
(1) UAAL* at start of year	\$253,882,794	\$292,448,392
(2) Normal cost from last valuation	17,385,156	16,649,370
(3) Actual Contributions	31,099,560	38,909,650
(4) Interest Accrual	19,762,049	22,083,483
(5) Expected UAAL before changes: (1) + (2) - (3) + (4)	259,930,439	292,271,595
(6) Changes from benefit increases, methods and assumptions	6,715,993	170,547,893
(7) Change in reserve for future pension increases	-	6,727,741
(8) Expected UAAL after changes: (5) + (6) + (7)	266,646,432	469,547,229
(9) Actual UAAL at end of year	281,652,280	482,863,587
(10) Experience Gain/(Loss): (8) - (9)	(15,005,848)	(13,316,358)

* *Unfunded Actuarial Accrued Liabilities.*

** *Pension only beginning with the June 30, 2014 valuation.*

FY2014 Gains and Losses by Source

	Gain/(Loss)	% of Liabilities
Investment Return	\$(17,959,755)	-2.9%
Salary Increases	5,057,083	0.8%
Retirement	2,737,860	0.5%
Turnover	(1,609,462)	-0.3%
Disability	(151,454)	0.0%
Death-in-Service	99,079	0.0%
Retiree Mortality	(1,124,924)	-0.2%
Other	(364,785)	0.0%
Total	(13,316,358)	-2.1%

**UNFUNDED ACTUARIAL ACCRUED LIABILITIES
COMPARATIVE STATEMENT**

(Dollar amounts in \$'000s)

Pension

Valuation Date	(1) Actuarial Accrued Liabilities (AAL)	(2) Valuation Assets	(3) Unfunded AAL	(5) Funded Ratio (2)/(1)	(6) Financing Period	(7) Payroll	Liability Ratio	
							(8) Unfunded (3)/(7)	(9) Total (1)/(7)
2005	\$360,758	\$344,604	\$ 16,154	95.5%	20 yrs.	\$ 53,449	30.2%	675.0%
2006	391,403	351,701	39,702	89.9	30	54,696	72.6	715.6
2007	451,299	336,717	114,582	74.6	29	61,308	186.9	736.1
2008	454,340	348,013	106,327	76.6	28	62,184	171.0	730.6
2009	506,191	360,950	145,241	71.3	27	67,777	214.3	746.8
2010	535,771	357,342	178,429	66.7	26	66,442	268.5	806.4
2011	590,322	366,429	223,893	62.1	25	66,637	336.0	885.9
2012	610,229	356,346	253,883	58.4	24	67,934	373.7	898.3
2013	632,537	350,885	281,652	55.5	23	67,505	417.2	937.0
2014*	796,246	313,382	482,864	39.4	22	68,341	706.6	1165.1

* Pension only beginning with the June 30, 2014 valuation.

Health

Valuation Date	(1) Actuarial Accrued Liabilities (AAL)	(2) Valuation Assets	(3) Unfunded AAL	(4) Funded Ratio (2)/(1)	(5) Financing Period	(6) Payroll	Liability Ratio	
							(7) Unfunded (3)/(6)	(8) Total (1)/(6)
2014	\$ 12,112	\$ 23,113	\$ (11,001)	190.8%	22	\$ 68,341	(16.1)%	17.7%

The Unfunded Liability ratio gives a general measure of the ability to collect contributions to pay off the unfunded liabilities. The Total Liability ratio gives a longer term indication of the volatility of the contribution rate.

2005 results revised pursuant to changes in assumptions and methods enacted by the 2006 Legislature and the EORP Board of Trustees. Results prior to 2009 were calculated by the prior actuary.

SHORT CONDITION TEST

If the contributions to EORP are soundly executed, the Plan will *pay all promised benefits when due -- the ultimate test of financial soundness.*

A *short condition test* is one means of checking a system's progress under its funding program. In a short condition test, the plan's present assets (cash and investments) are compared with:

- 1) Member contributions on deposit;
- 2) The liabilities for future benefits to present retired lives;
- 3) The liabilities for service already rendered by active and inactive members.

In a system that has been following the discipline of pre-funding, the liabilities for member contributions on deposit (liability 1) and the liabilities for future benefits to present retired lives (liability 2) will be fully covered by present assets (except in rare circumstances). In addition, the liabilities for service already rendered by active and inactive members (liability 3) will be partially covered by the remainder of present assets. The larger the funded portion of liability 3, the stronger the condition of the system.

Short Condition Test

(in \$'000s)

Pension

Calendar Year	Aggregate Actuarial Liabilities For			Actuarial Assets	Portion of Actuarial Liabilities Covered by Assets		
	(1) Non-Retired Contributions	(2) Annuitants	(3) Non-Retired Members (Employer Financed Portion)		(1)	(2)	(3)
2009	\$40,924	\$324,200	\$141,067	\$360,950	100%	99%	0.0%
2010	43,283	349,417	143,071	357,342	100	90	0.0
2011	42,171	393,830	154,321	366,429	100	82	0.0
2012	47,274	400,005	162,949	356,346	100	77	0.0
2013	47,351	431,511	153,675	350,885	100	70	0.0
2014*	54,318	576,015	165,913	313,382	100	45	0.0

* Pension only beginning with the June 30, 2014 valuation.

Health

Calendar Year	Aggregate Actuarial Liabilities For			Actuarial Assets	Portion of Actuarial Liabilities covered by Assets		
	(1) Non-Retired Contributions	(2) Annuitants	(3) Non-Retired Members (Employer Financed Portion)		(1)	(2)	(3)
2014	\$ 0	\$7,684	\$4,428	\$23,113	100%	100%	348.5%

SECTION C
FUND ASSETS

Arizona Elected Officials' Retirement Plan Annual Actuarial Valuation

DEVELOPMENT OF PENSION FUNDING VALUE OF ASSETS (7-YEAR SMOOTHING)

Year Ended June 30:	2014	2015	2016	2017	2018	2019	2020
A. Funding Value Beginning of Year	\$ 328,442,108						
B. Market Value End of Year	314,304,310						
C. Market Value Beginning of Year	292,528,317						
D. Non Investment Net Cash Flow	(15,545,217)						
E. Investment Income							
E1. Total: B-C-D	37,321,210						
E2. Amount for Immediate Recognition: (7.85%)	25,172,556						
E3. Amount for Phased-in Recognition: E1-E2	12,148,654						
F. Phased-in Recognition of Investment Income							
F1. Current Year: E3 / 7	1,735,522						
F2. First Prior Year	452,369	\$ 1,735,522					
F3. Second Prior Year	(3,609,304)	452,369	\$ 1,735,522				
F4. Third Prior Year	2,386,184	(3,609,304)	452,369	\$ 1,735,522			
F5. Fourth Prior Year	556,536	2,386,184	(3,609,304)	452,369	\$ 1,735,522		
F6. Fifth Prior Year	(12,314,765)	556,536	2,386,184	(3,609,304)	452,369	\$ 1,735,522	
F7. Sixth Prior Year	(7,166,297)	(12,314,761)	556,534	2,386,186	(3,609,307)	452,366	\$ 1,735,522
F8. Funding Value Corridor Adjustment	0						
F9. Total Recognized Investment Gain	(17,959,755)	(10,793,454)	1,521,305	964,773	(1,421,416)	2,187,888	1,735,522
G. Funding Value End of Year							
G1. Preliminary Funding Value End of Year: (A+D+E2+F1:F7)	320,109,692						
G2. Upper Corridor: (120% x B)	377,165,172						
G3. Lower Corridor: (80% x B)	251,443,448						
G4. End of Year: (G1 subject to max of G2 and min of G3)	320,109,692						
G5. Future Benefit Increases	6,727,741						
G6. End of Year: (G4 - G5)	313,381,951						
H. Difference Between Market Value & Funding Value: (B-G4)	(5,805,382)	4,988,072	3,466,767	2,501,994	3,923,410	1,735,522	0
I. Market Rate of Return	13.1%						
J. Recognized Rate of Return	2.2%						
K. Ratio of Funding Value to Market Value	101.8%						

The funding value of assets recognizes assumed investment return (line E2) fully each year. Differences between actual and assumed investment return (line E3) are phased-in over a closed 7-year period. During periods when investment performance exceeds the assumed rate, funding value of assets will tend to be less than market value. During periods when investment performance is less than the assumed rate, funding value of assets will tend to be greater than market value. The funding value of assets is **unbiased** with respect to market value. At any time it may be either greater or less than market value. If actual and assumed rates of investment return are exactly equal for 7 consecutive years, the funding value will become equal to market value.

Arizona Elected Officials' Retirement Plan Annual Actuarial Valuation

DEVELOPMENT OF HEALTH FUNDING VALUE OF ASSETS (7-YEAR SMOOTHING)

Year Ended June 30:	2014	2015	2016	2017	2018	2019	2020
A. Funding Value Beginning of Year	\$ 22,442,544						
B. Market Value End of Year	22,772,767						
C. Market Value Beginning of Year	19,988,544						
D. Non Investment Net Cash Flow	121,666						
E. Investment Income							
E1. Total: B-C-D	2,662,557						
E2. Amount for Immediate Recognition: (7.85%)	1,766,515						
E3. Amount for Phased-in Recognition: E1-E2	896,042						
F. Phased-in Recognition of Investment Income							
F1. Current Year: E3 / 7	128,006						
F2. First Prior Year	30,910	\$ 128,006					
F3. Second Prior Year	(246,625)	30,910	\$ 128,006				
F4. Third Prior Year	163,049	(246,625)	30,910	\$ 128,006			
F5. Fourth Prior Year	38,028	163,049	(246,625)	30,910	\$ 128,006		
F6. Fifth Prior Year	(841,471)	38,028	163,049	(246,625)	30,910	\$ 128,006	
F7. Sixth Prior Year	(489,675)	(841,471)	38,028	163,049	(246,625)	30,912	\$ 128,006
F8. Funding Value Corridor Adjustment	0						
F9. Total Recognized Investment Gain	(1,217,778)	(728,103)	113,368	75,340	(87,709)	158,918	128,006
G. Funding Value End of Year							
G1. Preliminary Funding Value End of Year: (A+D+E2+F1:F7)	23,112,947						
G2. Upper Corridor: (120% x B)	27,327,320						
G3. Lower Corridor: (80% x B)	18,218,214						
G4. End of Year: (G1 subject to max of G2 and min of G3)	23,112,947						
G5. Future Benefit Increases	0						
G6. End of Year: (G4 - G5)	23,112,947						
H. Difference Between Market Value & Funding Value: (B-G4)	(340,180)	387,923	274,555	199,215	286,924	128,006	0
I. Market Rate of Return	13.3%						
J. Recognized Rate of Return	2.4%						
K. Ratio of Funding Value to Market Value	101.5%						

The funding value of assets recognizes assumed investment return (line E2) fully each year. Differences between actual and assumed investment return (line E3) are phased-in over a closed 7-year period. During periods when investment performance exceeds the assumed rate, funding value of assets will tend to be less than market value. During periods when investment performance is less than the assumed rate, funding value of assets will tend to be greater than market value. The funding value of assets is **unbiased** with respect to market value. At any time it may be either greater or less than market value. If actual and assumed rates of investment return are exactly equal for 7 consecutive years, the funding value will become equal to market value.

REVENUES AND DISBURSEMENTS

	Pension	
	<u>2013</u>	<u>2014</u>
Market Value at the Beginning of Year:	\$ 279,180,971	\$ 292,528,317
Revenues:		
a. Member contributions	\$ 7,928,879	\$ 8,989,478
b. Employer contributions	21,982,087	29,845,174
c. Interest and dividends	4,085,129	3,384,893
d. Investment gain	26,674,269	40,687,738
e. Net transfers	(19,811)	74,998
f. Total	<u>\$ 60,650,553</u>	<u>\$ 82,982,281</u>
Disbursements:		
a. Refunds of member contributions	\$ 123,773	\$ 154,933
b. Pension benefits	45,475,456	53,984,038
c. Investment expenses	1,404,286	6,751,421
d. Administrative expenses	299,692	315,896
e. Total	<u>\$ 47,303,207</u>	<u>\$ 61,206,288</u>
Reserve Increase:		
Total revenues minus total disbursements	\$ 13,347,346	\$ 21,775,993
Market Value at the End of Year:	\$ 292,528,317	\$ 314,304,310

	Health	
	<u>2013</u>	<u>2014</u>
Market Value at the Beginning of Year:	\$ 17,774,010	\$ 19,988,544
Revenues:		
c. Health Insurance contributions	\$ 1,208,405	\$ 1,072,197
d. Interest and dividends	1,907,489	2,662,557
g. Total	<u>\$ 3,115,894</u>	<u>\$ 3,734,754</u>
Disbursements:	901,360	950,531
Reserve Increase:		
Total revenues minus total disbursements	\$ 2,214,534	\$ 2,784,223
Market Value at the End of Year:	\$ 19,988,544	\$ 22,772,767

SECTION D
CENSUS DATA

JUNE 30, 2014 VALUATION DATA SUMMARY

For purposes of the June 30, 2014 valuation, information on 2,045 covered persons was furnished. These people may be briefly described as follows.

	No.	Averages			
		Age	Years of Service	Annual Pay or Retirement Allowance	
				2014	2013
Actives	843	55.6	8.6	\$81,069	\$80,459
Retirees & Beneficiaries	1,053	72.4		50,338	44,658
Inactive Vested	149	55.2			
	2,045				

ACTIVE MEMBERS

**Members in Active Service as of June 30, 2014
by Years of Service**

Age	Years of Service							Total Count	Total Pay	Average Pay
	0 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 & Up			
Under 25	1							1	\$ 76,600	\$ 76,600
25 - 29	5							5	170,782	34,156
30 - 34	11	4						15	563,756	37,584
35 - 39	24	13	3					40	1,808,579	45,214
40 - 44	37	19	6					62	4,656,440	75,104
45 - 49	49	28	8	5				90	7,647,245	84,969
50 - 54	50	51	22	15	2			140	13,226,570	94,476
55 - 59	51	48	31	35	4		2	171	15,610,479	91,289
60 - 64	36	46	39	33	8	2	1	165	14,715,433	89,184
65 and Over	30	50	32	25	8	6	3	154	9,865,010	64,059
Total	294	259	141	113	22	8	6	843	\$68,340,894	\$81,069

TERMINATED VESTED MEMBERS

Age	Years of Service					Total Count
	0 - 4	5 - 9	10 - 14	15 - 19	20 & Up	
Under 30						
30 - 39	5	2		1		8
40 - 44	10	4				14
45 - 49	6	8	2			16
50 - 54	12	9	5	1		27
55 - 59	14	17	4	1		36
60 - 69	18	18	2	4	1	43
70 and Over	2	1		1	1	5
Total	67	59	13	8	2	149

RETIREES AND BENEFICIARIES

Attained Ages	Males		Females		Total	
	No.	Annual Pension Benefits	No.	Annual Pension Benefits	No.	Annual Pension Benefits
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	3	24,036	0	0	3	24,036
40-44	1	10,652	3	67,320	4	77,972
45-49	9	136,251	5	204,583	14	340,834
50-54	13	478,105	7	241,353	20	719,458
55-59	26	1,308,151	26	918,036	52	2,226,187
60-64	78	4,746,471	62	3,964,668	140	8,711,139
65-69	130	8,031,729	76	3,499,422	206	11,531,151
70-74	135	7,046,333	61	2,639,183	196	9,685,516
75-79	102	5,987,409	67	2,393,904	169	8,381,313
80-84	80	4,761,027	48	2,038,189	128	6,799,216
85-89	36	1,441,401	38	1,421,763	74	2,863,164
90-94	19	764,889	26	811,904	45	1,576,793
95-99	1	13,242	1	55,445	2	68,687
100 and Over	0	0	0	0	0	0
Totals	633	\$34,749,696	420	\$18,255,770	1,053	\$53,005,466

Pension Being Paid		Number	Annual Pensions	Average Pensions
Retired Members	Service Pensions	837	\$44,033,291	\$ 52,608
	Disability Pensions	16	1,686,107	105,382
Totals		853	45,719,398	53,598
Survivors of Members	Spouses	199	7,239,086	36,377
	Children with Guardians	1	46,982	46,982
Total		200	7,286,068	36,430
Total Pension being Paid		1,053	\$53,005,466	\$ 50,338
		Average Age	Average Service	Average Age at Retirement
Normal retired members		71.5	14.4	61.1
Disability retired members		67.7	12.2	58.2
Spouse beneficiaries		76.7	13.3	57.5

**PENSIONS BEING PAID
HISTORICAL SCHEDULE**

Valuation Date June 30	No.	Annual Pensions	% Incr. in Annual Pensions	Average Pension	Present Value of Pensions	
					Total	Average
2005	769	\$26,112,301	9.5%	\$33,956	\$228,886,601	\$297,642
2006	797	28,044,340	7.4	35,187	248,357,037	311,615
2007	826	30,380,250	8.3	36,780	277,278,034	335,688
2008	872	32,850,340	8.1	37,672	285,633,966	327,562
2009	905	36,262,571	10.4	40,069	317,313,745	350,623
2010	921	39,337,025	8.5	42,711	342,362,491	371,729
2011	990	43,461,664	10.5	43,901	386,446,172	390,350
2012	992	43,910,140	1.0	44,264	392,503,050	395,668
2013	1,057	47,203,698	7.5	44,658	423,992,661	401,128
2014	1,053	53,005,466	12.3	50,338	576,014,997	547,023

Results prior to 2009 were prepared by the prior actuary.

SECTION E
METHODS AND ASSUMPTIONS

VALUATION METHODS

Actuarial Cost Method - Normal cost and the allocation of benefit values between service rendered before and after the valuation date was determined using the Entry Age Normal Cost Method having the following characteristics:

- (i) The annual normal costs for each individual active member, payable from the date of employment to the date of retirement, are sufficient to accumulate to the value of the member's pension at time of retirement; and
- (ii) Each annual normal cost is a constant percentage of the member's year by year projected compensation.

The entry-age actuarial cost method allocates the actuarial present value of each member's projected benefits on a level basis over the member's compensation between the entry age of the member and the assumed exit ages.

Actuarial Accrued Liability - The actuarial accrued liability is the portion of actuarial present value allocated to service rendered prior to the valuation date, including experience gains and losses. The actuarial accrued liability was computed using the assumptions summarized in this report.

Actuarial Value of System Assets - The actuarial value of assets recognizes assumed investment income fully each year. Differences between actual and assumed investment income are phased in over a closed seven year period subject to a 20% corridor. During periods when investment performance exceeds the assumed rate, actuarial value of assets will tend to be less than market value. During periods when investment performance is less than the assumed rate, the actuarial value of assets will tend to be greater than market value.

Financing of Unfunded Actuarial Accrued Liabilities - The actuarial value of assets were subtracted from the computed actuarial accrued liability. Any unfunded amount would be amortized as level percent of payroll over a closed period of 22 years. If the actuarial value of assets exceeded the actuarial accrued liability, the excess was amortized over an open period of 20 years and applied as a credit to reduce the normal cost which otherwise would be payable.

Active member payroll was assumed to increase 4.00% annually for the purpose of computing the amortization payment (credit) as a level percent of payroll.

VALUATION ASSUMPTIONS

Beginning with the June 30, 2007 valuation and with each subsequent valuation, if the actuarial value of assets exceeds the actuarial accrued liabilities, one half of this excess in each year is allocated to a Stabilization Reserve. The Stabilization Reserve is excluded from the calculation of the employer contribution rates. The Stabilization Reserve continues to accumulate as long as the plan is over-funded. Once the plan becomes under-funded, the Stabilization Reserve will be used to dampen increases in the employer contribution rates.

The rate of investment return was 7.85% a year, compounded annually net of investment and administrative expenses.

The assumed real return is the rate of return in excess of wage growth. Considering other assumptions used in the valuation, the 7.85% nominal rate translates to a net real return over wage growth of 3.85% a year.

The rates of pay increase used for individual members are shown below. This assumption is used to project a member's current pay to the pay upon which System benefits will be based.

Sample Ages	Salary Increase Assumptions For an Individual Member		
	Merit & Seniority	Base (Economy)	Increase Next Year
20	0.25%	4.0%	4.25%
25	0.25%	4.0%	4.25%
30	0.25%	4.0%	4.25%
35	0.25%	4.0%	4.25%
40	0.25%	4.0%	4.25%
45	0.25%	4.0%	4.25%
50	0.25%	4.0%	4.25%
55	0.25%	4.0%	4.25%
60	0.25%	4.0%	4.25%
Ref:	1		

Active Member Payroll is assumed to grow at 4.00% per year. Although no specific price inflation assumption is required to perform this valuation, since no benefits are linked to prices, a price inflation assumption on the order of 3.0% to 4.0% would be consistent with the other economic assumptions.

VALUATION ASSUMPTIONS

The healthy mortality table used to evaluate death after retirement in this valuation of the System was the RP 2000 Mortality table projected to 2025 using projection scale AA with no adjustment for males and females. This assumption was first used for the June 30, 2012 valuation of the System and include margin for future improvements in mortality. Sample rates of mortality and years of life expectancy are shown below:

Sample Attained Ages	Probability of Dying Next Year		Future Life Expectancy (years)	
	Men	Women	Men	Women
50	0.14%	0.11%	33.27	34.93
55	0.22	0.22	28.52	30.16
60	0.45	0.45	23.92	25.58
65	0.90	0.86	19.58	21.28
70	1.52	1.48	15.58	17.31
75	2.66	2.30	11.87	13.69
80	5.01	3.85	8.63	10.41
Ref:	472 x 1.00 0 year set forward	473 x 1.00 0 year set forward		

This assumption is used to measure the probabilities of each benefit payment being made after retirement. For disabled members, non-disability rates with a five year set forward were used.

The disabled mortality table used to evaluate death after retirement in this valuation of the System was the RP 2000 Mortality table projected to 2025 using projection scale AA set forward 10 years for both males and females. This assumption was first used for the June 30, 2012 valuation of the System. Sample rates of mortality and years of life expectancy are shown below:

Sample Attained Ages	Probability of Dying Next Year		Future Life Expectancy (years)	
	Men	Women	Men	Women
50	0.45%	0.45%	23.88	25.54
55	0.90	0.86	19.54	21.23
60	1.52	1.48	15.54	17.27
65	2.66	2.30	11.83	13.64
70	5.01	3.85	8.59	10.37
75	9.29	6.66	6.02	7.52
80	16.59	12.22	4.13	5.39
Ref:	472 x 1.00 10 year set forward	473 x 1.00 10 year set forward		

VALUATION ASSUMPTIONS

For actives, the sample rates of mortality for death-in-service are shown below, and were first used for the June 30, 2012 valuation of the Plan.

Sample Attained Ages	Probability of Dying Next Year	
	Men	Women
50	0.10%	0.08%
55	0.17	0.17
60	0.34	0.33
65	0.67	0.64
Ref:	472 x 0.75 0 year set forward	473 x 0.75 0 year set forward

The rates of regular retirement used to measure the probability of eligible members retiring during the next year are shown below. This assumption was first used for the June 30, 2012 valuation of the Plan.

Retirement Rates: Age-related rates for employees who were hired before January 1, 2012 are shown below:

Age at Retirement	EORP
62	20%
63	20%
64	20%
65	20%
66	20%
67	20%
68	20%
69	20%
70	20%
71	20%
72	20%
73	20%
74	20%
75	100%
Ref.	2155

These retirement rates are applicable to employees attaining age 62 before attaining 20 years of service.

VALUATION ASSUMPTIONS

Service-related rates for employees who were hired before January 1, 2012 are shown below:

Service at Retirement	EORP
20	45%
21	40%
22	20%
23	15%
24	15%
25	20%
26	20%
27	20%
28	20%
29	20%
30	20%
31	20%
32	20%
33	20%
34	20%
35	100%
Ref.	2156

These retirement rates are applicable to employees attaining 20 years of service before attaining age 62.

Age-related rates for employees who were hired after January 1, 2012 are shown below:

Age at Retirement	EORP
62	40%
63	30%
64	20%
65	15%
66	15%
67	45%
68	45%
69	15%
70	100%
Ref.	1745

VALUATION ASSUMPTIONS

Early Retirement Rates: Service-related rates for employees who were hired before January 1, 2012 are shown below:

Service at Retirement	EORP
5	4.5%
6	4.5%
7	4.5%
8	4.5%
9	4.5%
10	4.5%
11	4.5%
12	4.5%
13	4.5%
14	4.5%
15	4.5%
16	4.5%
17	4.5%
18	4.5%
19	4.5%
Ref.	2157

Rates of separation from active membership used in the valuation are shown below (rates do not apply to members eligible to retire and do not include separation on account of death or disability). This assumption measures the probabilities of members remaining in employment.

Sample Ages	Service Index	% of Active Members Separating Within Next Year
All	1	6.00%
	2	6.00%
	3	6.00%
	4	6.00%
	5	6.00%
	6	6.00%
	7	6.00%
	8	6.00%
	9	6.00%
	10 & Over	2.00%
Ref.		607

VALUATION ASSUMPTIONS

Rates of disability among active members used in the valuation are shown below, and were first used for the June 30, 2012 valuation of the System.

Sample Ages	% of Active Members Becoming Disabled Within Next Year	
	EORP	
20		0.01%
25		0.01%
30		0.01%
35		0.01%
40		0.02%
45		0.02%
50		0.03%
55		0.03%
Ref	592	25%

**SUMMARY OF ASSUMPTIONS USED
JUNE 30, 2014**

MISCELLANEOUS AND TECHNICAL ASSUMPTIONS

Marriage Assumption:	85% of males and females are assumed to be married for purposes of death-in-service benefits. Male spouses are assumed to be three years older than female spouses for active member valuation purposes.
Pay Increase Timing:	Six months after the valuation date. This means that the pays received are assumed to be annual rates of pay on the valuation date as opposed to W-2 type earnings for the prior 12 months.
Decrement Timing:	Decrements of all types are assumed to occur mid-year.
Eligibility Testing:	Eligibility for benefits is determined based upon the age nearest birthday and service nearest whole year on the date the decrement is assumed to occur.
Decrement Relativity:	Decrement rates are used directly from the experience study, without adjustment for multiple decrement table effects.
Decrement Operation:	Disability and turnover decrements do not operate during retirement eligibility.
Service Credit Accruals:	It is assumed that members accrue one year of service credit per year.
Incidence of Contributions:	Contributions are assumed to be received continuously throughout the year based upon the computed percent of payroll shown in this report, and the actual payroll payable at the time contributions are made.
Normal Form of Benefit:	A straight life payment is the assumed normal form of benefit for members who are not married, and the 75% Joint and Survivor form of payment with no reduction, for married members. 85% of members are assumed to be married at time of retirement.
Benefit Service:	Exact fractional service is used to determine the amount of benefit payable.
Health Care Utilization:	70% of future retirees are expected to utilize health care. 85% of those are assumed to be married.
Assumed Future Permanent Benefit Increases:	Members Retired on or before July 1, 2011: 3% of benefit. Members Retired on or after August 1, 2011: 0.5% of benefit.

SECTION F
PLAN PROVISIONS

SUMMARY OF PLAN PROVISIONS VALUED AND/OR CONSIDERED

Average Yearly Salary:

For members hired before January 1, 2012:

Effective July 17, 1994, average yearly salary is the elected official's highest average salary during a three-consecutive year period within the final 10 years of service. For elected officials whose membership commenced before July 17, 1994, average yearly salary will generally be final salary at termination of service.

For members hired on or after January 1, 2012:

Average yearly salary is the elected official's highest average salary during a five-consecutive year period within the last 10 years of service

Normal Retirement (no reduction for age).

For members hired before January 1, 2012:

An elected official may retire upon meeting one of the following age and service requirements:

- ❖ Age 60 years with 25 or more years of credited service;
- ❖ Age 62 years with 10 or more years of credited service; and
- ❖ Age 65 years with 5 or more years of credited service.

Effective August 6, 1999, a member may retire at any age with 20 or more years of credited service.

The amount of a normal retirement pension is four percent of average yearly salary multiplied by years of credited service. The maximum is 80 percent of average yearly salary.

For members hired on or after January 1, 2012:

An elected official may retire upon meeting one of the following age and service requirements:

- 65 years of age with 5 or more years of credited service; or
- 62 years of age with 10 or more years of service.

The amount of a normal retirement pension is three percent of average yearly salary multiplied by years of credited service. The maximum is 75 percent of average yearly salary.

Early Retirement (reduction for age).

For members hired before January 1, 2012:

An elected official who is at least 50 years and has 10 or more years of credited service may retire before meeting an age and service requirement for normal retirement. The amount of an early retirement pension is computed by determining the amount of accrued normal retirement pension and then reducing the amount determined by three-twelfths of one percent for each month early retirement precedes the member's normal retirement age.

Effective August 6, 1999, a member with at least five years of credited service may retire early at any age. For those members who retire under this August 6, 1999 provision, their benefits are calculated using a three-year average salary, and the reduction for early retirement is capped at 30%.

SUMMARY OF PLAN PROVISIONS VALUED AND/OR CONSIDERED

For members hired on or after January 1, 2012:

No early retirement benefit

Vested Termination (deferred retirement). An elected official with five or more years of credited service retains entitlement to a deferred pension upon ceasing to be an elected official if the official's accumulated contributions are left on deposit in the Retirement Plan. The amount of pension is determined in the same manner as a normal or early pension, whichever is applicable.

Disability Retirement.

For members hired before January 1, 2012:

An elected official who becomes incapacitated for the duties of office may be retired by the Board of Trustees. The amount of pension is 80 percent of three-year average salary if the elected official has at least 10 years of credited service, 40 percent of three-year average salary if the elected official has five but less than 10 years of credited service, and 20 percent of three-year average salary if the elected official has less than five years of credited service.

For members hired on or after January 1, 2012:

An elected official who becomes incapacitated for the duties of office may be retired by the Board of Trustees. The amount of pension is 75 percent of five-year average salary if the elected official has at least 10 years of credited service, 37.5 percent of five-year average salary if the elected official has five but less than 10 years of credited service, and 10 percent of five-year average salary if the elected official has less than five years of credited service.

Survivor Pensions.

For members hired before January 1, 2012:

Payable to the eligible beneficiary of a retired elected official or an active and inactive elected official. An eligible beneficiary is a surviving spouse who was married to the retired active or inactive elected official for at least two years; or, if there is no eligible spouse, a minor child. A surviving spouse's pension terminates upon death. A surviving child's pension terminates upon attainment of age 18 years, marriage, adoption or death, unless the child is a full time student under the age of 23 or was disabled prior to age 18. The amount of a surviving spouse's pension is 75% of the pension being paid the deceased retired elected official or the disability pension accrued by the deceased active elected official. The amount of a surviving child's pension is an equal share of the amount of a surviving spouse's pension.

For members hired on or after January 1, 2012:

Payable to the eligible beneficiary of a retired elected official or an active and inactive elected official. An eligible beneficiary is a surviving spouse who was married to the retired active or inactive elected official for at least two years; or, if there is no eligible spouse, a minor child. A surviving spouse's pension terminates upon death. A surviving child's pension terminates upon attainment of age 18 years, marriage, adoption or death, unless the child is a full time student under the age of 23 or was disabled prior to age 18. The amount of a surviving spouse's pension is 50% of the pension being paid the deceased retired elected official or the disability pension accrued by the deceased active elected official. The amount of a surviving child's pension is an equal share of the

SUMMARY OF PLAN PROVISIONS VALUED AND/OR CONSIDERED

amount of a surviving spouse's pension. A higher survivor benefit may be elected, but actuarial reduction will be applied to the benefit elected.

Other Terminations. The elected official is paid a refund of accumulated member contributions, plus an additional amount if the member has at least five years of service credit. The amount is a percent of the member contribution amount, ranging from 25% to 100% (with at least 10 years of service credit).

Post-Retirement Adjustments.

For members retired on or before July 1, 2011:

Contingent upon the excess investment earnings, effective July 1 of each year, eligible retired members or survivors may be entitled to a permanent benefit increase in their base benefit. To be eligible for the increase, the retired member or survivor must be either age 55 or older on July 1 of the current year and receiving benefits on or before July 31 of the previous year, or the retired member or survivor has been receiving benefits on or before July 31 of the previous two years. The maximum amount of the increase is 4% of the average normal benefit being received on the preceding June 30.

Prior to July 1, 2013 a PBI reserve is maintained and used to pay for the post-retirement adjustment. The investment return on the PBI reserve is the same as the return on the market value of assets (whether the return is positive or negative). Additional amounts are added to the PBI reserve in years when the investment return on the market value of assets exceeds 9.0%. Each year the present value of that year's post-retirement adjustment is subtracted from PBI reserve. A post-retirement adjustment is paid as long as there is a positive balance in the PBI reserve.

For members retired on or after August 1, 2011:

A PBI is only paid in a year when the annual return on the market value of assets of the prior fiscal year exceeds 10.5% and the plan is at least 60% funded. 100% of the excess earnings is used to determine whether a PBI can be paid and the size of the PBI for that year. No PBI reserves will accumulate and the present value of that year's PBI for eligible retirees cannot exceed 100% of the earnings in excess of 10.5%. If the excess earnings is high enough to exceed the present value of that year's PBI, the excess stays in the fund.

To be eligible for an increase the retiree or the survivor must be:

- In the case of a retired member who became a member of the plan before January 1, 2012, the retired member or survivor was receiving benefits on or before July 31 of the two previous years; or
- In the case of a retired member who became a member of the plan before January 1, 2012, the retired member or survivor was 55 or older on July 1 of the current year and was receiving benefits on or before July 31 of the previous year
- In the case of a retired member who became a member of the plan on or after January 1, 2012, the retired member or survivor was at least 55 or older on July 1 and receiving benefits

SUMMARY OF PLAN PROVISIONS VALUED AND/OR CONSIDERED

The amount of the PBI to be paid is determined as follows:

- Funded ratio is 60-64%, PBI is 2%
- Funded ratio is 65-69%, PBI is 2.5%
- Funded ratio is 70-74%, PBI is 3%
- Funded ratio is 75-79%, PBI is 3.5%
- Funded ratio is 80% or more, PBI is 4%

Post-Retirement Health Insurance Subsidy. Payable on behalf of retired members and survivors who elect coverage provided by the state or participating employer. The monthly amounts cannot exceed:

Member Only		With Dependents		
Not Medicare Eligible	Medicare Eligible	All Not Medicare Eligible	All Medicare Eligible	One With Medicare
\$150	\$100	\$260	\$170	\$215

Retired members or survivors who have between five and eight years of credited service are eligible for a proportionate share of the full subsidy.

Employer Contributions. A designed portion of court docket fees. Municipal employers contribute the computed normal cost rate plus a payment to amortize their unfunded actuarial accrued liability (UAAL) over a period not to exceed 30 years (a lump sum payment for UAAL is required for municipal employers entering after September 15, 1989). Pursuant to 1989 legislation, state and county employers contribute the difference between the actuarially determined contribution requirement and designated docket fees.

Members Contributions. Member contribution rates are shown in the schedule below. Additional member contributions DO NOT reduce the employer contribution; this means there is a “maintenance of effort” provision.

- FY 2010-2011 – 7.0%
- FY 2011-2012 – 10.0%
- FY 2012-2013 – 11.5%
- FY 2013-2014 and after: 13.0%

SECTION G
GLOSSARY

<i>Actuarial Accrued Liability</i>	The difference between (i) the actuarial present value of future plan benefits, and (ii) the actuarial present value of future normal cost. Sometimes referred to as “accrued liability” or “past service liability.”
<i>Accrued Service</i>	The service credited under the plan which was rendered before the date of the actuarial valuation.
<i>Actuarial Assumptions</i>	Estimates of future plan experience with respect to rates of mortality, disability, turnover, retirement, rate or rates of investment income and salary increases. Decrement assumptions (rates of mortality, disability, turnover and retirement) are generally based on past experience, often modified for projected changes in conditions. Economic assumptions (salary increases and investment income) consist of an underlying rate in an inflation-free environment plus a provision for a long-term average rate of inflation.
<i>Actuarial Cost Method</i>	A mathematical budgeting procedure for allocating the dollar amount of the “actuarial present value of future plan benefits” between the actuarial present value of future normal cost and the actuarial accrued liability. Sometimes referred to as the “actuarial funding method.”
<i>Actuarial Equivalent</i>	A single amount or series of amounts of equal value to another single amount or series of amounts, computed on the basis of the rate(s) of interest and mortality tables used by the plan.
<i>Actuarial Present Value</i>	The amount of funds presently required to provide a payment or series of payments in the future. It is determined by discounting the future payments at a predetermined rate of interest, taking into account the probability of payment.
<i>Amortization</i>	Paying off an interest-bearing liability by means of periodic payments of interest and principal, as opposed to paying it off with a lump sum payment.
<i>Experience Gain (Loss)</i>	A measure of the difference between actual experience and that expected based upon a set of actuarial assumptions during the period between two actuarial valuation dates, in accordance with the actuarial cost method being used.
<i>Normal Cost</i>	The annual cost assigned, under the actuarial funding method, to current and subsequent plan years. Sometimes referred to as “current service cost.” Any payment toward the unfunded actuarial accrued liability is not part of the normal cost.

<i>Reserve Account</i>	An account used to indicate that funds have been set aside for a specific purpose and is not generally available for other uses.
<i>Unfunded Actuarial Accrued Liability</i>	The difference between the actuarial accrued liability and valuation assets. Sometimes referred to as “unfunded accrued liability.”
<i>Valuation Assets</i>	The value of current plan assets recognized for valuation purposes. Generally based on market value plus a portion of unrealized appreciation or depreciation.

APPENDIX I

ACCOUNTING DISCLOSURES

This information is presented in draft form for review by the System's auditor. Please let us know if there are any items that the auditor changes so that we may maintain consistency with the System's financial statements. Please note Plan reporting under GASB Statement No. 25 has been replaced by GASB Statement No. 67.

INFORMATION REQUIRED BY GASB STATEMENT NO. 67

The Governmental Accounting Standards Board Statement No. 67 (GASB No. 67) contains certain requirements regarding the accounting and disclosure of financial information. In addition to disclosing the system's fiduciary net position, retirement systems are also required to disclose information regarding the plan's total pension liability, net pension liability, and change in net pension liability from the prior year. In actuarial terms, these are the plan's actuarial accrued liability and unfunded actuarial accrued liability on a market value of asset basis. This section of the report contains information that is part of the Retirement System's disclosure requirements under this accounting standard.

Determination of the Total Pension Liability

The total pension liability shown in this subsection is also shown as of the last date of the pension plan's fiscal year, June 30, 2014.

A single discount rate of 5.67% was used to measure the total pension liability. This single discount rate was based on an expected rate of return on pension plan investments of 7.85% and a municipal bond rate of 4.29%. The projection of cash flows used to determine this single discount rate assumed that plan member contributions will be made at the current contribution rate and that employer contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rate. Based on these assumptions, the pension plan's fiduciary net position and future contributions were sufficient to finance the benefit payments through the year 2030. As a result, the long-term expected rate of return on pension plan investments was applied to projected benefit payments through the year 2030, and the municipal bond rate was applied to all benefit payments after that date.

An exhibit providing the projections and calculations used to determine the single equivalent discount rate under GASB No. 67 can be provided upon request.

Measurement of Net Pension Liability

The net pension liability is to be measured as the total pension liability, less the amount of the pension plan's fiduciary net position. As of the plan year ending June 30, 2014, the net pension liability is \$670,571,964. If a single discount rate that was 100 basis points lower was used, the net pension liability would have been \$782,836,809. Similarly, if a single discount rate that was 100 basis points higher was used, the net pension liability would have been \$575,782,118.

The following exhibit provides information regarding the total pension liability, net pension liability, and change in the net pension liability since the prior plan year (and related ratios).

Schedules of Required Supplementary Information
Schedule of Changes in the Employers' Net Pension Liability and Related Ratios

Last 10 Fiscal Years (which may be built prospectively)

Fiscal year ending June 30,	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005
Total Pension Liability										
Service Cost	\$ 23,501,879									
Interest on the Total Pension Liability	47,537,398									
Benefit and Assumption Changes	342,442,071									
Difference Between Expected and Actual Experience of the Total Pension Liability	4,643,397									
Benefit Payments and Refunds	(54,138,971)									
Net Change in Total Pension Liability	363,985,774									
Total Pension Liability - Beginning	620,890,500									
Total Pension Liability - Ending (a)	\$ 984,876,274									
Plan Fiduciary Net Position										
Employer Contributions	\$ 29,845,174									
Employee Contributions	8,989,478									
Pension Plan Net Investment Income	34,068,988									
Benefit Payments and Refunds	(54,138,971)									
Pension Plan Administrative Expense	(315,896)									
Other	3,327,220									
Net Change in Plan Fiduciary Net Position	21,775,993									
Plan Fiduciary Net Position - Beginning	292,528,317									
Plan Fiduciary Net Position - Ending (b)	\$ 314,304,310									
Net Pension Liability - Ending (a) - (b)	670,571,964									
Plan Fiduciary Net Position as a Percentage of Total Pension Liability	31.91 %									
Covered Employee Payroll	\$ 68,340,894									
Net Pension Liability as a Percentage of Covered Employee Payroll	981.22 %									
Notes to Schedule:										
N/A										

**Schedules of Required Supplementary Information
Schedule of the Employers' Net Pension Liability**

Last 10 Fiscal Years (which may be built prospectively starting from 2014)

FY Ending June 30,	Total Pension Liability	Plan Net Position	Net Pension Liability	Plan Net Position as a % of Total Pension Liability	Covered Payroll	Net Pension Liability as a % of Covered Payroll
2005			-			
2006			-			
2007			-			
2008			-			
2009			-			
2010			-			
2011			-			
2012			-			
2013			-			
2014	\$984,876,274	\$314,304,310	\$670,571,964	31.91%	\$68,340,894	981.22%

Schedule of Contributions

Last 10 Fiscal Years (which may be built prospectively starting from 2014)

<u>FY Ending June 30,</u>	<u>Actuarially Determined Contribution</u>	<u>Actual Contribution</u>	<u>Contribution Deficiency (Excess)</u>	<u>Covered Payroll</u>	<u>Actual Contribution as a % of Covered Payroll</u>
2007					
2008					
2009					
2010					
2011					
2012					
2013					
2014	\$ 28,235,016	\$ 29,845,174	\$ (1,610,158)	\$ 68,340,894	43.67%
2015	37,323,403				
2016	59,142,210				

Sensitivity of the Net Pension Liability to the Single Discount Rate Assumption

	1% Decrease 4.67%	Current Single Rate Assumption 5.67%	1% Increase 6.67%
Total Pension Liability	\$ 1,097,141,119	\$ 984,876,274	\$ 890,086,428
Plan Fiduciary Net Position	314,304,310	314,304,310	314,304,310
Net Pension Liability/(Asset)	\$ 782,836,809	\$ 670,571,964	\$ 575,782,118

Single Discount Rate Development Projection of Contributions

Year	Payroll for Current Employees	Contributions from Current Employees	Normal Cost and Expense Contributions	UAL Contributions	Total Contributions
0	\$ 68,340,894				
1	65,413,195	\$ 8,503,715	\$ 11,054,830	\$ 19,515,009	\$ 39,073,554
2	59,672,184	7,757,384	10,561,977	20,349,221	38,668,582
3	54,307,796	7,060,014	9,536,449	22,074,791	38,671,254
4	49,060,961	6,377,925	8,546,419	23,787,844	38,712,188
5	44,101,437	5,733,187	7,620,728	25,465,454	38,819,369
6	39,712,624	5,162,641	6,806,744	27,061,398	39,030,783
7	35,615,586	4,630,026	6,051,088	28,630,272	39,311,386
8	31,786,319	4,132,221	5,346,459	30,180,628	39,659,308
9	28,405,599	3,692,728	4,721,010	31,685,606	40,099,345
10	25,136,693	3,267,770	4,122,418	33,198,899	40,589,086
11	21,903,753	2,847,488	3,539,647	34,732,948	41,120,082
12	18,974,865	2,466,732	3,015,106	36,246,798	41,728,637
13	16,493,846	2,144,200	2,571,391	37,719,372	42,434,962
14	14,310,727	1,860,395	2,186,679	39,174,078	43,221,151
15	12,310,592	1,600,377	1,837,971	40,635,568	44,073,916
16	10,553,139	1,371,908	1,533,371	42,097,447	45,002,727
17	8,931,398	1,161,082	1,257,541	43,576,839	45,995,461
18	7,384,459	959,980	1,000,594	45,085,482	47,046,056
19	6,121,921	795,850	792,177	46,595,650	48,183,676
20	5,176,443	672,938	640,326	48,101,306	49,414,569
21	4,408,580	573,115	523,739	49,625,840	50,722,695
22	3,765,421	489,505	428,128	51,185,710	52,103,343
23	3,169,734	412,065	342,965	52,793,699	53,548,730
24	2,585,979	336,177	264,028	54,456,373	55,056,579
25	2,077,399	270,062	198,184	56,169,301	56,637,547
26	1,676,860	217,992	148,402	57,932,044	58,298,438
27	1,389,734	180,665	112,013	59,749,910	60,042,588
28	1,153,979	150,017	83,894	61,630,762	61,864,673
29	922,446	119,918	60,605	63,580,893	63,761,415
30	714,942	92,942	40,895	65,604,516	65,738,353
31	559,307	72,710	27,350	-	100,060
32	452,747	58,857	18,336	-	77,193
33	364,538	47,390	10,936	-	58,326
34	301,865	39,242	5,675	-	44,917
35	247,259	32,144	3,115	-	35,259
36	201,493	26,194	1,531	-	27,725
37	175,634	22,832	246	-	23,078
38	156,807	20,385	(643)	-	19,742
39	143,496	18,655	(1,291)	-	17,363
40	136,578	17,755	(1,803)	-	15,952
41	131,205	17,057	(2,021)	-	15,036
42	129,178	16,793	(2,261)	-	14,533
43	128,514	16,707	(2,403)	-	14,304
44	129,421	16,825	(2,524)	-	14,301
45	131,757	17,128	(2,609)	-	14,520
46	134,065	17,428	(2,654)	-	14,774
47	110,078	14,310	(2,180)	-	12,131
48	72,615	9,440	(1,438)	-	8,002
49	55,700	7,241	(1,103)	-	6,138
50	47,392	6,161	(938)	-	5,223

Single Discount Rate Development Projection of Contributions (concluded)

Year	Payroll for Current Employees	Contributions from Current Employees	Normal Cost and Expense Contributions	UAL Contributions	Total Contributions
51	\$ 41,659	\$ 5,416	\$ (825)	-	\$ 4,591
52	30,612	3,980	(606)	-	3,373
53	17,286	2,247	(342)	-	1,905
54	11,649	1,514	(231)	-	1,284
55	5,534	719	(110)	-	609
56	-	-	-	-	-
57	-	-	-	-	-
58	-	-	-	-	-
59	-	-	-	-	-
60	-	-	-	-	-
61	-	-	-	-	-
62	-	-	-	-	-
63	-	-	-	-	-
64	-	-	-	-	-
65	-	-	-	-	-
66	-	-	-	-	-
67	-	-	-	-	-
68	-	-	-	-	-
69	-	-	-	-	-
70	-	-	-	-	-
71	-	-	-	-	-
72	-	-	-	-	-
73	-	-	-	-	-
74	-	-	-	-	-
75	-	-	-	-	-
76	-	-	-	-	-
77	-	-	-	-	-
78	-	-	-	-	-
79	-	-	-	-	-
80	-	-	-	-	-
81	-	-	-	-	-
82	-	-	-	-	-
83	-	-	-	-	-
84	-	-	-	-	-
85	-	-	-	-	-
86	-	-	-	-	-
87	-	-	-	-	-
88	-	-	-	-	-
89	-	-	-	-	-
90	-	-	-	-	-
91	-	-	-	-	-
92	-	-	-	-	-
93	-	-	-	-	-
94	-	-	-	-	-
95	-	-	-	-	-
96	-	-	-	-	-
97	-	-	-	-	-
98	-	-	-	-	-
99	-	-	-	-	-
100	-	-	-	-	-

Single Discount Rate Development Projection of Plan Fiduciary Net Position

Year	Projected Beginning Plan Net Position	Projected Total Contributions	Projected Benefit Payments	Projected Investment Earnings at 7.85%	Projected Ending Plan Net Position
(a)	(b)	(c)	(d)	(e)=(a)+(b)-(c)+(d)	
1	\$ 314,304,310	\$ 39,073,554	\$ 54,799,278	\$ 24,067,314	\$ 322,645,900
2	322,645,900	38,668,582	58,349,073	24,569,836	327,535,244
3	327,535,244	38,671,254	61,748,020	24,822,864	329,281,343
4	329,281,343	38,712,188	64,908,472	24,839,805	327,924,863
5	327,924,863	38,819,369	68,044,572	24,616,682	323,316,341
6	323,316,341	39,030,783	70,954,306	24,151,004	315,543,823
7	315,543,823	39,311,386	73,640,780	23,448,215	304,662,643
8	304,662,643	39,659,308	76,255,651	22,506,746	290,573,046
9	290,573,046	40,099,345	78,420,208	21,334,303	273,586,486
10	273,586,486	40,589,086	80,368,722	19,944,683	253,751,534
11	253,751,534	41,120,082	82,226,976	18,336,529	230,981,169
12	230,981,169	41,728,637	83,666,406	16,517,059	205,560,458
13	205,560,458	42,434,962	84,669,258	14,510,115	177,836,278
14	177,836,278	43,221,151	85,265,328	12,341,088	148,133,189
15	148,133,189	44,073,916	85,526,805	10,032,165	116,712,465
16	116,712,465	45,002,727	85,429,839	7,605,139	83,890,492
17	83,890,492	45,995,461	85,004,326	5,083,229	49,964,856
18	49,964,856	47,046,056	84,303,697	2,487,504	15,194,719
19	15,194,719	48,183,676	83,152,855	-	-
20	-	49,414,569	81,543,651	-	-
21	-	50,722,695	79,615,786	-	-
22	-	52,103,343	77,368,191	-	-
23	-	53,548,730	74,872,231	-	-
24	-	55,056,579	72,181,299	-	-
25	-	56,637,547	69,283,145	-	-
26	-	58,298,438	66,143,311	-	-
27	-	60,042,588	62,814,645	-	-
28	-	61,864,673	59,394,030	95,141	2,565,784
29	-	63,761,415	55,915,633	302,130	8,147,911
30	-	65,738,353	52,421,162	512,826	13,830,017
31	-	100,060	48,919,380	-	-
32	-	77,193	45,435,213	-	-
33	-	58,326	42,023,973	-	-
34	-	44,917	38,705,145	-	-
35	-	35,259	35,515,928	-	-
36	-	27,725	32,459,996	-	-
37	-	23,078	29,540,543	-	-
38	-	19,742	26,780,799	-	-
39	-	17,363	24,183,916	-	-
40	-	15,952	21,753,152	-	-
41	-	15,036	19,492,094	-	-
42	-	14,533	17,397,316	-	-
43	-	14,304	15,466,770	-	-
44	-	14,301	13,695,232	-	-
45	-	14,520	12,076,016	-	-
46	-	14,774	10,603,240	-	-
47	-	12,131	9,308,831	-	-
48	-	8,002	8,154,417	-	-
49	-	6,138	7,088,646	-	-
50	-	5,223	6,136,174	-	-

Single Discount Rate Development
Projection of Plan Fiduciary Net Position (concluded)

Year	Projected Beginning Plan Net Position	Projected Total Contributions	Projected Benefit Payments	Projected Investment Earnings at 7.85%	Projected Ending Plan Net Position
	(a)	(b)	(c)	(d)	(e)=(a)+(b)-(c)+(d)
51	\$ -	\$ 4,591	\$ 5,289,583	\$ -	\$ -
52	-	3,373	4,543,453	-	-
53	-	1,905	3,890,185	-	-
54	-	1,284	3,315,011	-	-
55	-	609	2,815,942	-	-
56	-	-	2,384,510	-	-
57	-	-	2,010,160	-	-
58	-	-	1,689,552	-	-
59	-	-	1,416,540	-	-
60	-	-	1,185,059	-	-
61	-	-	989,793	-	-
62	-	-	825,392	-	-
63	-	-	687,839	-	-
64	-	-	573,110	-	-
65	-	-	477,976	-	-
66	-	-	399,463	-	-
67	-	-	334,794	-	-
68	-	-	281,620	-	-
69	-	-	237,875	-	-
70	-	-	201,740	-	-
71	-	-	171,557	-	-
72	-	-	146,116	-	-
73	-	-	124,488	-	-
74	-	-	105,865	-	-
75	-	-	89,658	-	-
76	-	-	75,486	-	-
77	-	-	63,098	-	-
78	-	-	52,233	-	-
79	-	-	42,736	-	-
80	-	-	34,562	-	-
81	-	-	27,652	-	-
82	-	-	21,874	-	-
83	-	-	17,089	-	-
84	-	-	13,200	-	-
85	-	-	10,114	-	-
86	-	-	7,698	-	-
87	-	-	5,796	-	-
88	-	-	4,308	-	-
89	-	-	3,160	-	-
90	-	-	2,283	-	-
91	-	-	1,620	-	-
92	-	-	1,128	-	-
93	-	-	769	-	-
94	-	-	513	-	-
95	-	-	335	-	-
96	-	-	214	-	-
97	-	-	135	-	-
98	-	-	84	-	-
99	-	-	51	-	-
100	-	-	68	-	-

Single Discount Rate Development Present Values of Projected Benefit Payments

Year	Projected Beginning Plan Net Position	Projected Benefit Payments	Funded Portion of Benefit Payments	Unfunded Portion of Benefit Payments	Present Value of Funded Benefit Payments using Expected Return Rate (v)	Present Value of Unfunded Benefit Payments using Municipal Bond Rate (vf)	Present Value of Benefit Payments using Single Discount Rate (sdr)
(a)	(b)	(c)	(d)	(e)	(f)=(d)*v ^{(a)-5}	(g)=(e)*vf ^{(a)-5}	(h)=(c)/(1+sdr) ^{(a)-5}
1	\$ 314,304,310	\$ 54,799,278	\$ 54,799,278	\$ -	\$ 52,767,287	\$ -	\$ 53,309,918
2	322,645,900	58,349,073	58,349,073	-	52,095,923	-	53,719,689
3	327,535,244	61,748,020	61,748,020	-	51,117,860	-	53,800,823
4	329,281,343	64,908,472	64,908,472	-	49,823,114	-	53,522,159
5	327,924,863	68,044,572	68,044,572	-	48,428,701	-	53,099,701
6	323,316,341	70,954,306	70,954,306	-	46,823,938	-	52,401,497
7	315,543,823	73,640,780	73,640,780	-	45,059,608	-	51,469,467
8	304,662,643	76,255,651	76,255,651	-	43,263,426	-	50,439,372
9	290,573,046	78,420,208	78,420,208	-	41,253,113	-	49,089,882
10	273,586,486	80,368,722	80,368,722	-	39,200,864	-	47,612,108
11	253,751,534	82,226,976	82,226,976	-	37,187,994	-	46,101,071
12	230,981,169	83,666,406	83,666,406	-	35,084,832	-	44,392,966
13	205,560,458	84,669,258	84,669,258	-	32,921,066	-	42,516,270
14	177,836,278	85,265,328	85,265,328	-	30,739,758	-	40,519,887
15	148,133,189	85,526,805	85,526,805	-	28,589,732	-	38,464,878
16	116,712,465	85,429,839	85,429,839	-	26,478,737	-	36,361,187
17	83,890,492	85,004,326	83,890,492	1,113,834	24,109,060	556,950	34,240,164
18	49,964,856	84,303,697	49,964,856	34,338,840	13,314,106	16,464,136	32,137,181
19	15,194,719	83,152,855	15,194,719	67,958,136	3,754,222	31,242,956	29,998,855
20	-	81,543,651	-	81,543,651	-	35,946,626	27,840,948
21	-	79,615,786	-	79,615,786	-	33,653,055	25,725,238
22	-	77,368,191	-	77,368,191	-	31,357,764	23,658,599
23	-	74,872,231	-	74,872,231	-	29,097,840	21,667,744
24	-	72,181,299	-	72,181,299	-	26,898,125	19,768,967
25	-	69,283,145	-	69,283,145	-	24,756,101	17,957,804
26	-	66,143,311	-	66,143,311	-	22,661,983	16,224,746
27	-	62,814,645	-	62,814,645	-	20,636,223	14,582,072
28	-	59,394,030	-	59,394,030	-	18,709,813	13,048,707
29	-	55,915,633	-	55,915,633	-	16,889,517	11,625,839
30	-	52,421,162	-	52,421,162	-	15,182,663	10,314,877
31	-	48,919,380	-	48,919,380	-	13,585,624	9,109,713
32	-	45,435,213	-	45,435,213	-	12,098,974	8,007,237
33	-	42,023,973	-	42,023,973	-	10,730,264	7,008,960
34	-	38,705,145	-	38,705,145	-	9,476,312	6,109,301
35	-	35,515,928	-	35,515,928	-	8,337,794	5,305,329
36	-	32,459,996	-	32,459,996	-	7,306,910	4,588,851
37	-	29,540,543	-	29,540,543	-	6,376,188	3,952,213
38	-	26,780,799	-	26,780,799	-	5,542,727	3,390,875
39	-	24,183,916	-	24,183,916	-	4,799,367	2,897,885
40	-	21,753,152	-	21,753,152	-	4,139,395	2,466,852
41	-	19,492,094	-	19,492,094	-	3,556,563	2,091,923
42	-	17,397,316	-	17,397,316	-	3,043,768	1,766,997
43	-	15,466,770	-	15,466,770	-	2,594,695	1,486,687
44	-	13,695,232	-	13,695,232	-	2,202,994	1,245,821
45	-	12,076,016	-	12,076,016	-	1,862,623	1,039,624
46	-	10,603,240	-	10,603,240	-	1,568,185	863,888
47	-	9,308,831	-	9,308,831	-	1,320,113	717,762
48	-	8,154,417	-	8,154,417	-	1,108,833	595,038
49	-	7,088,646	-	7,088,646	-	924,260	489,532
50	-	6,136,174	-	6,136,174	-	767,159	401,035

Single Discount Rate Development
Present Values of Projected Benefit Payments (concluded)

Year	Projected Beginning Plan Net Position	Projected Benefit Payments	Funded Portion of Benefit Payments	Unfunded Portion of Benefit Payments	Present Value of Funded Benefit Payments using Expected Return Rate (v)	Present Value of Unfunded Benefit Payments using Municipal Bond Rate (vf)	Present Value of Benefit Payments using Single Discount Rate (sdr)
(a)	(b)	(c)	(d)	(e)	(f)=(d)*v ^a ((a)-.5)	(g)=(e)*vf ^a ((a)-.5)	(h)=(c)/(1+sdr) ^a ((a)-.5)
51	\$ -	\$ 5,289,583	\$ -	\$ 5,289,583	\$ -	\$ 634,113	\$ 327,169
52	-	4,543,453	-	4,543,453	-	522,262	265,952
53	-	3,890,185	-	3,890,185	-	428,776	215,503
54	-	3,315,011	-	3,315,011	-	350,350	173,794
55	-	2,815,942	-	2,815,942	-	285,363	139,714
56	-	2,384,510	-	2,384,510	-	231,703	111,965
57	-	2,010,160	-	2,010,160	-	187,292	89,326
58	-	1,689,552	-	1,689,552	-	150,945	71,054
59	-	1,416,540	-	1,416,540	-	121,348	56,378
60	-	1,185,059	-	1,185,059	-	97,342	44,636
61	-	989,793	-	989,793	-	77,958	35,282
62	-	825,392	-	825,392	-	62,336	27,845
63	-	687,839	-	687,839	-	49,810	21,960
64	-	573,110	-	573,110	-	39,795	17,316
65	-	477,976	-	477,976	-	31,824	13,667
66	-	399,463	-	399,463	-	25,502	10,810
67	-	334,794	-	334,794	-	20,495	8,574
68	-	281,620	-	281,620	-	16,530	6,826
69	-	237,875	-	237,875	-	13,388	5,456
70	-	201,740	-	201,740	-	10,887	4,379
71	-	171,557	-	171,557	-	8,878	3,524
72	-	146,116	-	146,116	-	7,250	2,841
73	-	124,488	-	124,488	-	5,923	2,291
74	-	105,865	-	105,865	-	4,830	1,843
75	-	89,658	-	89,658	-	3,922	1,478
76	-	75,486	-	75,486	-	3,166	1,177
77	-	63,098	-	63,098	-	2,538	931
78	-	52,233	-	52,233	-	2,014	730
79	-	42,736	-	42,736	-	1,580	565
80	-	34,562	-	34,562	-	1,225	432
81	-	27,652	-	27,652	-	940	327
82	-	21,874	-	21,874	-	713	245
83	-	17,089	-	17,089	-	534	181
84	-	13,200	-	13,200	-	396	132
85	-	10,114	-	10,114	-	291	96
86	-	7,698	-	7,698	-	212	69
87	-	5,796	-	5,796	-	153	49
88	-	4,308	-	4,308	-	109	35
89	-	3,160	-	3,160	-	77	24
90	-	2,283	-	2,283	-	53	16
91	-	1,620	-	1,620	-	36	11
92	-	1,128	-	1,128	-	24	7
93	-	769	-	769	-	16	5
94	-	513	-	513	-	10	3
95	-	335	-	335	-	6	2
96	-	214	-	214	-	4	1
97	-	135	-	135	-	2	1
98	-	84	-	84	-	1	0
99	-	51	-	51	-	1	0
100	-	68	-	68	-	1	0
Totals					\$ 702,013,339	\$ 428,799,428	\$ 1,130,812,767

GASB STATEMENT NO. 67 SUPPLEMENTARY INFORMATION

**SUMMARY OF ACTUARIAL METHODS AND ASSUMPTIONS USED TO
DETERMINE RECOMMENDED CONTRIBUTION AMOUNTS**

The information presented in the required supplementary schedules was determined as part of the actuarial valuations at the dates indicated. Additional information as of the latest actuarial valuation follows:

Valuation date	June 30, 2014
Actuarial cost method	Entry Age Normal
Amortization method	Level dollar, Closed
Remaining amortization period	22 years
Asset valuation method	7-year smoothed market 80%/120% market corridor
Actual Contributions Amounts	Amounts are according to Section 38-810, Arizona Revised Statutes: 23.50% of aggregate payroll for 30 years.
Actuarial assumptions:	
Investment Rate of Return	7.85%
Projected Salary Increases	4.25%
Payroll Growth	4.00%
Retirement Age	Experience-based table of rates that is specific to the type of eligibility condition.
Mortality	RP-2000 mortality table projected to 2025 using projection scale AA (unadjusted males and females).
Assumed Future Permanent Benefit Increases	Members Retired on or before July 1, 2011: 3% of benefit. Members Retired on or after August 1, 2011: 0.5% of benefit.

GASB STATEMENT NO. 45 SUPPLEMENTARY INFORMATION

The following information is presented concerning the post-retirement health insurance subsidy. The liabilities and computed contribution for the post-retirement health insurance subsidy were based on the same assumptions and actuarial cost methods as indicated for GASB Statement No. 25.

SCHEDULE OF FUNDING PROGRESS

Valuation Date June 30	Actuarial Value of Assets (a)	Actuarial Liability (AAL) (b)	Unfunded AAL (UAAL) (b-a)	Funded Ratio (a/b)	Annual Covered Payroll (c)	UAAL as a % of Covered Payroll ((b-a)/c)
2006	\$ 0	\$12,264,911	\$12,264,911	0.00%	\$54,696,109	22.42%
2007	0	13,070,334	13,070,334	0.00	61,307,852	21.32%
2008	0	12,454,201	12,454,201	0.00	62,183,699	20.03%
2009	0	11,754,076	11,754,076	0.00	67,776,690	17.34%
2010	0	12,014,810	12,014,810	0.00	66,442,072	18.08%
2011	0	12,494,791	12,494,791	0.00	66,637,032	18.75%
2012	0	11,900,126	11,900,126	0.00	67,933,920	17.52%
2013	0	11,646,432	11,646,432	0.00	67,504,798	17.25%
2014	23,112,947	12,111,735	(\$11,001,212)	190.83	68,340,894	(16.10)%

ANNUAL REQUIRED CONTRIBUTION

Valuation Date June 30	Fiscal Year Ended June 30	Normal Cost (a)	Actuarial Accrued Liability (b)	Total (a+b)	Dollar Amount
2005	2007	1.64%	1.42%	3.06%	\$ 1,523,119
2006	2008	1.05%	1.17%	2.22%	1,380,478
2007	2009	0.91%	1.09%	2.00%	1,355,533
2008	2010	0.85%	1.04%	1.89%	1,255,755
2009	2011	0.85%	0.92%	1.77%	1,322,611
2010	2012	0.83%	0.96%	1.79%	1,311,218
2011	2013	0.74%	1.06%	1.80%	1,309,847
2012	2014	0.58%	0.98%	1.56%	1,157,294
2013	2015	0.59%	1.61%	2.20%	1,485,105
2014	2016	0.59%	(1.77)%	0.00%	-

Fiscal Years prior to 2011 provided by the prior actuary.

Health Insurance Subsidy Payment Reported for FY 2014: \$950,531

October 16, 2014

Mr. Jared Smout
Deputy Administrator
Arizona Elected Officials' Retirement Plan
3010 E. Camelback Road, Suite 200
Phoenix, Arizona 85016

Re: Report of the June 30, 2014 Actuarial Valuation of EORP

Dear Mr. Smout:

Enclosed please find 5 copies of this report.

Any questions or comments you may develop will be welcome.

Sincerely,

A handwritten signature in black ink that reads "Mark Buis". The signature is written in a cursive, slightly slanted style.

Mark Buis, FSA, EA, MAAA

MB:sc
Enclosures