

**ARIZONA PUBLIC SAFETY PERSONNEL RETIREMENT
SYSTEM CONSOLIDATED REPORT**

JUNE 30, 2010



October 29, 2010

The Board of Trustees
Arizona Public Safety Personnel Retirement System
Phoenix, Arizona

**Re: Arizona Public Safety Personnel Retirement System Actuarial Valuation as of
June 30, 2010**

Ladies and Gentlemen:

The results of the **June 30, 2010 annual actuarial valuations of members** covered by the Arizona Public Safety Personnel Retirement System (PSPRS) are presented in this report. The purpose of the valuations is to measure PSPRS' funding progress and to establish contribution rates for the 2011-2012 fiscal year.

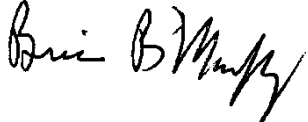
The valuations are based upon current plan provisions of the Arizona Public Safety Personnel Retirement System. All promised benefits are included in the actuarially calculated contribution rates. These provisions are summarized in Section F.

In preparing this report we relied, without audit, on information (some oral and some written) supplied by the State Retirement System. This information includes, but is not limited to, statutory provisions, employee and retiree census, and financial information. In our examination of this data, we have found it to be reasonably consistent and comparable with data used for other purposes. Since the valuation results are dependent on the integrity of the data supplied, the results can be expected to differ if the underlying data is incomplete or missing. It should be noted that if any data or other information is inaccurate or incomplete, our calculations may need to be revised.

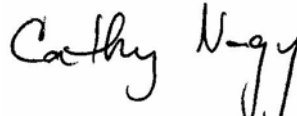
GRS's work product was prepared exclusively for the Arizona Public Safety Personnel Retirement System for a specific and limited purpose. It is a complex, technical analysis that assumes a high level of knowledge concerning the System's operations, and uses System data, which GRS has not audited. It is not for the use or benefit of any third party for any purpose. Any third party recipient of GRS's work product who desires professional guidance should not rely upon GRS's work product, but should engage qualified professionals for advice appropriate to its own specific needs. Any distribution of this report must be provided in its entirety including this cover letter, unless prior written consent is obtained from GRS.

The valuations were completed by qualified actuaries in accordance with accepted actuarial procedures prescribed by the Actuarial Standards Board. All of the actuaries submitting this report are Members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinion contained herein. To the best of our knowledge, this report is complete and accurate and the actuarial methods and assumptions produced results that are reasonable.

Respectfully submitted,



Brian B. Murphy, FSA, EA, MAAA



Cathy Nagy, FSA, EA, MAAA



Mark Buis, FSA, EA, MAAA

BBM/CN/MB:sc

1211

TABLE OF CONTENTS

		<u>Page</u>
Executive Summary/Board Summary.....		1
Section A	Introduction	
	Funding Objective and Contribution Rates.....	1
	Contribution Requirements.....	2
	Historical Summary of Employer Rates.....	3
	Employer Contribution Rate Changes.....	4
	Employer Contribution Rates.....	5
Section B	Funding Results	
	Present Value of Future Benefits and Accrued Liability.....	1
	Derivation of Experience Gain/(Loss).....	2
	Unfunded Actuarial Accrued Liabilities Comparative Statement.....	3
	Short Condition Test.....	4
	Funded Percents Summary.....	5
Section C	Fund Assets	
	Development of Funding Value of Assets (7-Year Smoothing).....	1
	Revenues and Disbursements.....	2
Section D	Census Data	
	June 30, 2010 Valuation Data Summary.....	1
	Active Members.....	2
	Terminated Vested Members.....	3
	Retirees and Beneficiaries.....	4
	Pensions Being Paid – Historical Schedule.....	5
Section E	Methods & Assumptions.....	1
Section F	Plan Provisions.....	1
Section G	Glossary.....	1
Appendix I	Accounting Disclosures	
	Schedule of Funding Progress.....	1
	Schedule of Employer Contributions.....	2
	Summary of Actuarial Methods and Assumptions.....	3
	GASB Statement No. 45 Supplementary Information.....	4
Appendix II	Summary of Population Data by Individual Employers.....	1
Appendix III	Summary of Liability and Asset Information by Individual Employers.....	1
Appendix IV	Summary of Contribution Information by Individual Employers.....	1

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, 2011 is shown below.

	Contribution	Funded Status
Averages	22.68%	65.8%

2. Contribution Rate Comparison

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

Valuation Date	Contribution	Funded Status
6/30/2009	20.89%	68.2%
6/30/2010	22.68%	65.8%

3. Reasons for Change

There are three general reasons why contribution rates change from one valuation to the next. The first is a change in the benefits or eligibility conditions of the plan. The second is a change in the valuation assumptions or methods used to predict future occurrences. The third is the difference during the year between the plan's actual experience and what the assumptions predicted.

There were no benefit changes (other than cost-of-living increases for retirees) reported to the actuary for the year ended June 30, 2010. In addition, there were no assumption changes.

EXECUTIVE SUMMARY/BOARD SUMMARY

The contribution rate increased from 20.89% last year of payroll to 22.68% of payroll this year for the following reasons:

- Continued phase-in of asset losses from prior years,
- Cost-of-living increases granted for retirees,
- A decline in the expected payroll base.

4. Plan Experience

Experience during the year ended June 30, 2009 was overall unfavorable. During the year ended June 30, 2010, the actuarial return on fund assets was lower than expected. The market value smoothing techniques used in this valuation of the System recognize both past and present investment gains and losses. While on a market value basis, the Systems return was 13.6%, the resulting actuarial asset yield for the year ended June 30, 2010 was 3.8% (this is the rate of return on the actuarial value of assets before the COLA reserve is subtracted). 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

If the Market Value of Assets were used as the basis of our calculations (instead of the smoothed value), the employer contribution would have been approximately 26% of payroll (instead of 22.68% of payroll) and the funded status would have been about 54% (instead of 65.8%). If equity markets do not improve significantly, the June 30, 2011 valuation will likely show yet another increase in the employer contribution amount (absent any liability gains). Indeed, due to the operation of the COLA reserve and other factors, contribution rates are likely to continue to increase for an indefinite period.

EXECUTIVE SUMMARY/BOARD SUMMARY

6. Other Comments

The ratio of the Funding Value of Assets to Market Value of Assets as shown on page C-1 is 127.9%. The Actuarial Standards of Practice require that the Funding Value of Assets fall within a reasonable range around the Market Value. Although some actuarial judgment is used to determine what is deemed 'reasonable', a ratio approaching 130% is on the high end. However, the ratio has decreased from 140% in the June 30, 2009 valuation to 128% in the June 30, 2010 valuation. We recommend that consideration be given to establishing an asset corridor for the June 30, 2011 actuarial valuation. An asset corridor, sometimes called a "Collar", is a limitation on the amount by which the Funding Value is permitted to differ from Market Value. 20% is a common standard, although many systems have relaxed their standards in response to the extraordinary events of late 2008 and early 2009.

7. Conclusion

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 \$1,280 million of unrecognized investment losses that will, when combined with the operation of the COLA reserve, and in the absence of other gains, drive the contribution rate up over the next several years.

The retired lives are slightly 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 Public Safety Personnel Retirement System as of June 30, 2010 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, 2011. 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 System is supported by member contributions, employer contributions and investment income from Retirement System 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, 2011 are shown on page A-2.

CONTRIBUTION REQUIREMENTS

Development of Employer Contributions for the Indicated Valuation Date

Contribution for Fiscal Year	June 30,	
	2009 2011	2010 2012
Pension		
Normal cost requirement		
Service pensions	15.95%	16.25%
Disability pensions	1.76	1.65
Survivors of active members	0.86	0.82
Refunds of members' accumulated contributions	<u>0.59</u>	<u>0.53</u>
Total normal cost requirement	19.16%	19.25%
Less member contributions	<u>7.65</u>	<u>7.65</u>
Employer normal cost requirement	11.51%	11.60%
Amortization of unfunded liabilities	<u>8.09%</u>	<u>9.66%</u>
Total pension contribution requirement	19.60%	21.26%
Health		
Normal cost requirement	0.57%	0.57%
Amortization of unfunded liabilities	<u>0.72%</u>	<u>0.85%</u>
Total health contribution requirement	1.29%	1.42%
Total contribution requirement	20.89%	22.68%

Actuarial accrued liability, \$8,491,822,391, exceeded the funding value of assets, which was \$5,591,303,990. The resulting unfunded actuarial accrued liabilities were amortized as a level percent of payroll over a closed period of 26 years and added to the employer normal cost. The 26 year period is a one year decrease from last year. The results shown above are prior to the application of the statutory minimum of 8% of payroll (5% of payroll if the actual employer contribution rate is less than 5% for the 2006/2007 fiscal Year).

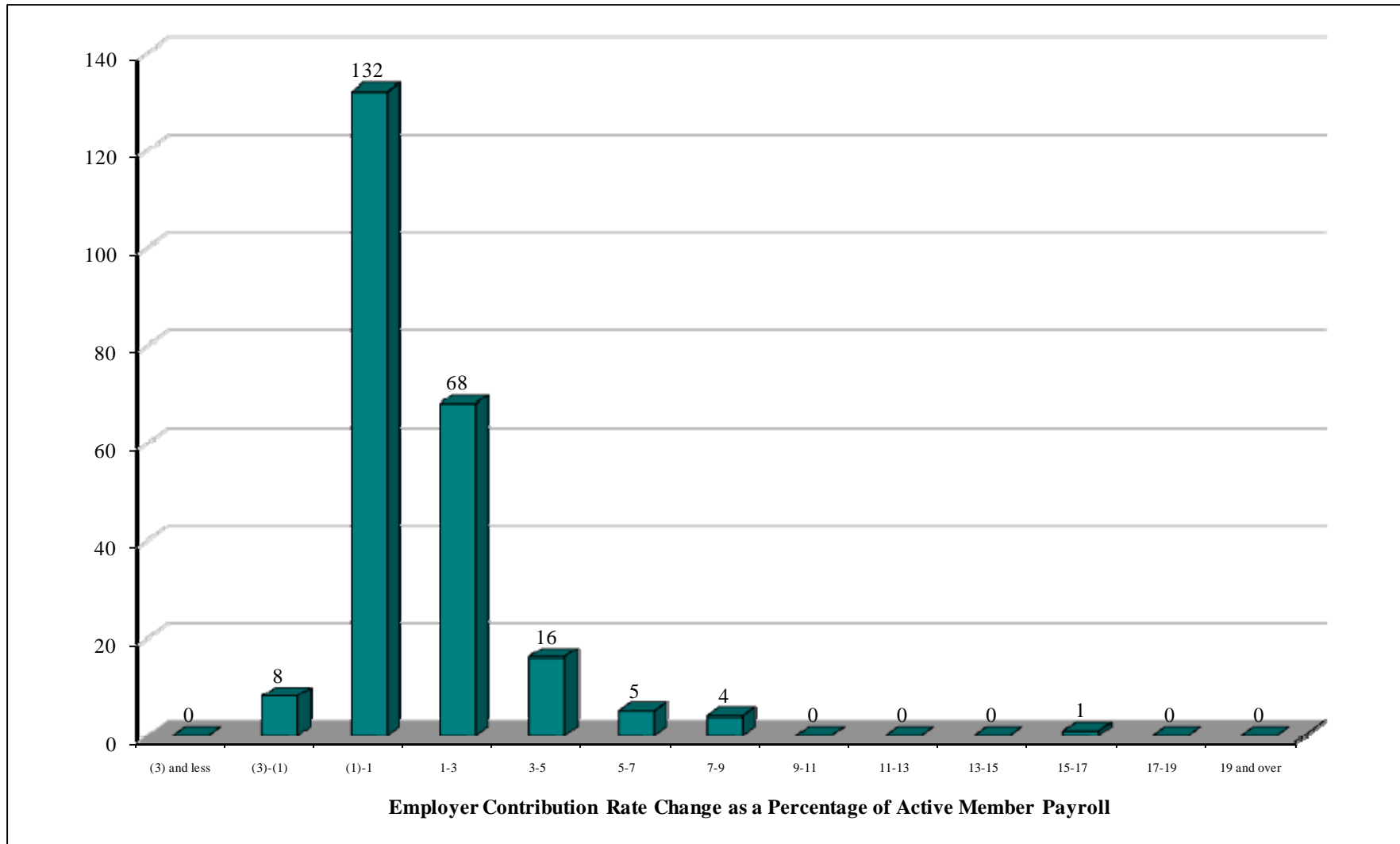
HISTORICAL SUMMARY OF EMPLOYER RATES

Valuation Date June 30	Fiscal Year	Normal Cost	Unfunded Actuarial Accrued Liability	Total
2001	2003	11.21%	(7.46)%	3.75%
2002	2004	11.61	(3.95)	7.66
2003	2005	10.32	(0.27)	10.05
2004	2006	10.29	2.51	12.80
2005	2007	10.71	6.38	17.09
2006	2008	10.08	6.44	16.52
2007	2009	12.33	9.38	21.71
2008	2010	11.80	8.97	20.77
2009	2011	12.08	8.81	20.89
2010	2012	12.17	10.51	22.68

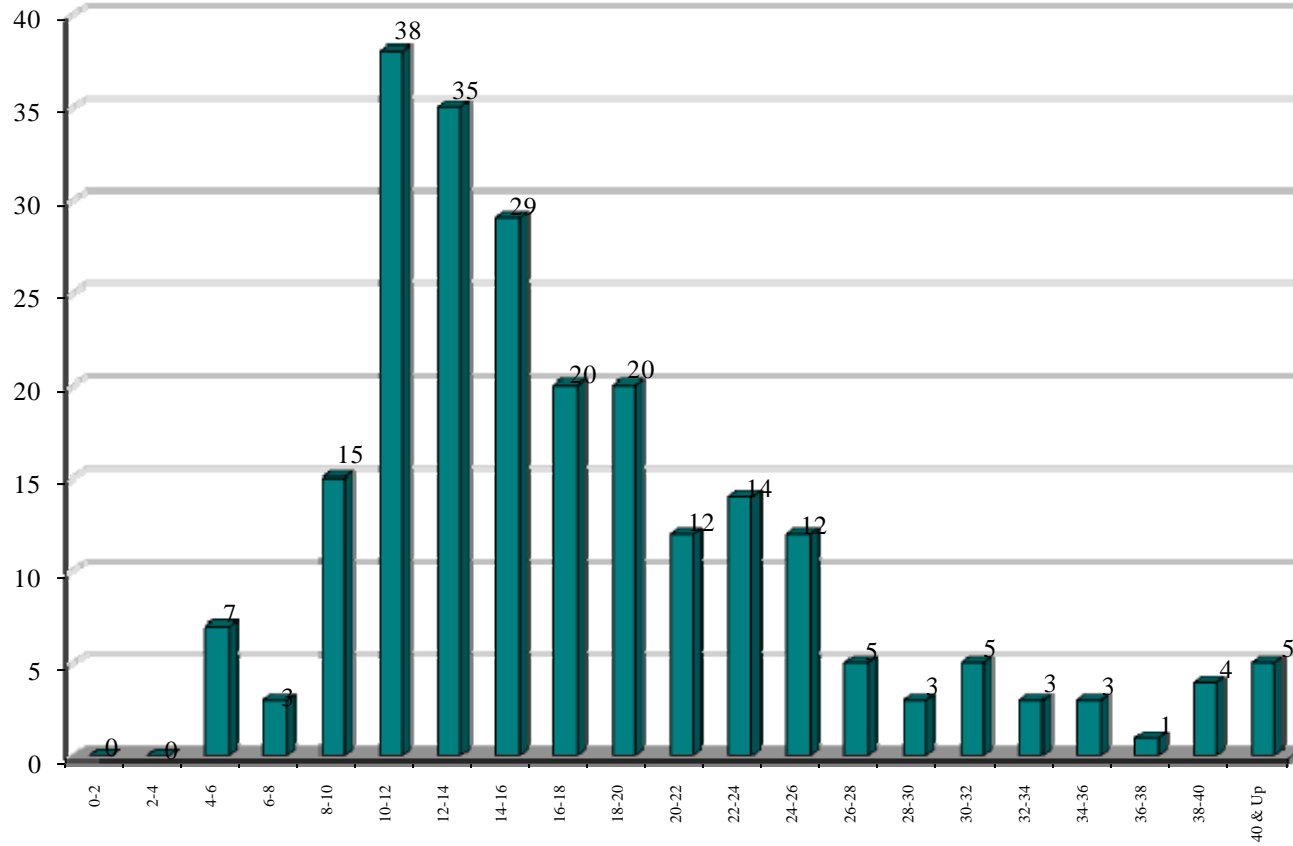
2005 results were revised pursuant to changes enacted by the 2006 Legislature and the PSPRS Board of Trustees.

Results prior to 2009 were calculated by the prior actuary.

**EMPLOYER CONTRIBUTION RATE CHANGES AT JUNE 30, 2010
ALL EMPLOYERS**



EMPLOYER CONTRIBUTION RATES - ALL EMPLOYERS AT JUNE 30, 2010



Employer Contribution Rate as a Percentage of Active Member Payroll

SECTION B
FUNDING RESULTS

PRESENT VALUE OF FUTURE BENEFITS AND ACCRUED LIABILITY

	June 30,	
	<u>2009</u>	<u>2010</u>
A. Accrued Liability		
1. For retirees and beneficiaries	\$ 3,811,693,275	\$ 4,117,265,456
2. For DROP members	810,734,191	876,116,237
3. For vested terminated members	14,296,980	15,069,939
4. For present active members		
a. Value of expected future benefit payments	6,078,675,489	6,131,283,810
b. Value of future normal costs	<u>2,725,949,119</u>	<u>2,647,913,051</u>
c. Active member accrued liability: (a) - (b)	<u>3,352,726,370</u>	<u>3,483,370,759</u>
5. Total accrued liability	7,989,450,816	8,491,822,391
B. Present Assets (Funding Value)	<u>5,445,497,208</u>	<u>5,591,303,990</u>
C. Unfunded Accrued Liability: (A.5) - (B)	2,543,953,608	2,900,518,401
D. Stabilization Reserve	<u>7,204,461</u>	<u>10,816,271</u>
E. Net Unfunded Accrued Liability: (C) + (D)	<u>2,551,158,069</u>	<u>2,911,334,672</u>
D. Funding Ratio: (B) / (A.5)	<u>68.2%</u>	<u>65.8%</u>

Present Assets exclude \$275,289,327 in reserves held for future pension increases pursuant to state statute.

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.

(Dollar amounts in \$'000s)

	June 30,	
	2009	2010
(1) UAAL at start of year	\$2,567,134	\$2,543,954
(2) Normal cost from last valuation	275,342	281,260
(3) Actual Contributions	429,620	413,457
(4) Interest Accrual	211,650	210,618
(5) Expected UAAL before changes: (1) + (2) - (3) + (4)	2,624,506	2,622,375
(6) Changes from benefit increases	125,692	139,653
(7) Changes in actuarial methods	\$(121,887)	-
(8) Change in Reserve for future pension increases	\$(260,429)	(34,602)
(9) Expected UAAL after changes: (5) + (6) + (7) + (8)	2,367,882	2,727,426
(10) Actual UAAL at end of year	2,543,954	2,900,518
(11) Experience Gain/(Loss): (9) - (10)	(176,072)	(173,092)

FY2010 Gains and Losses by Source

	Gain/(Loss)	% of Liability
Investment Return	\$(265,224)	-3.3%
Salary Increases	143,993	1.8%
Retirement	9,032	0.1%
Turnover	(7,169)	-0.1%
Disability	9,779	0.1%
Death-in-service	950	0.0%
Retiree Mortality	(27,741)	-0.3%
Other	(36,712)	-0.5%
Total	(173,092)	-2.2%

**UNFUNDED ACTUARIAL ACCRUED LIABILITIES
COMPARATIVE STATEMENT**

(Dollar amounts in \$'000s)

Valuation Date	(1) Actuarial Accrued Liabilities (AAL)	(2) Valuation Assets	(3) Unfunded AAL	(5) Funded Ratio (2)/(1)	(6) Financing Period
2001	\$3,674,758	\$4,661,941	\$ 0	126.9%	20 yrs.
2002	4,144,211	4,684,386	0	113.0	20
2003	4,739,613	4,781,377	0	100.9	20
2004	5,167,333	4,774,313	393,020	92.4	20
2005	5,951,937	4,886,963	1,064,974	82.1	20
2006	6,495,012	4,999,911	1,495,101	77.0	30
2007	7,268,291	4,829,521	2,438,770	66.4	29
2008	7,662,779	5,095,645	2,567,134	66.5	28
2009	7,989,451	5,445,497	2,543,954	68.2	27
2010	8,491,822	5,591,304	2,900,518	65.8	26

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

SHORT CONDITION TEST

If the contributions to PSPRS are soundly executed, the System 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:

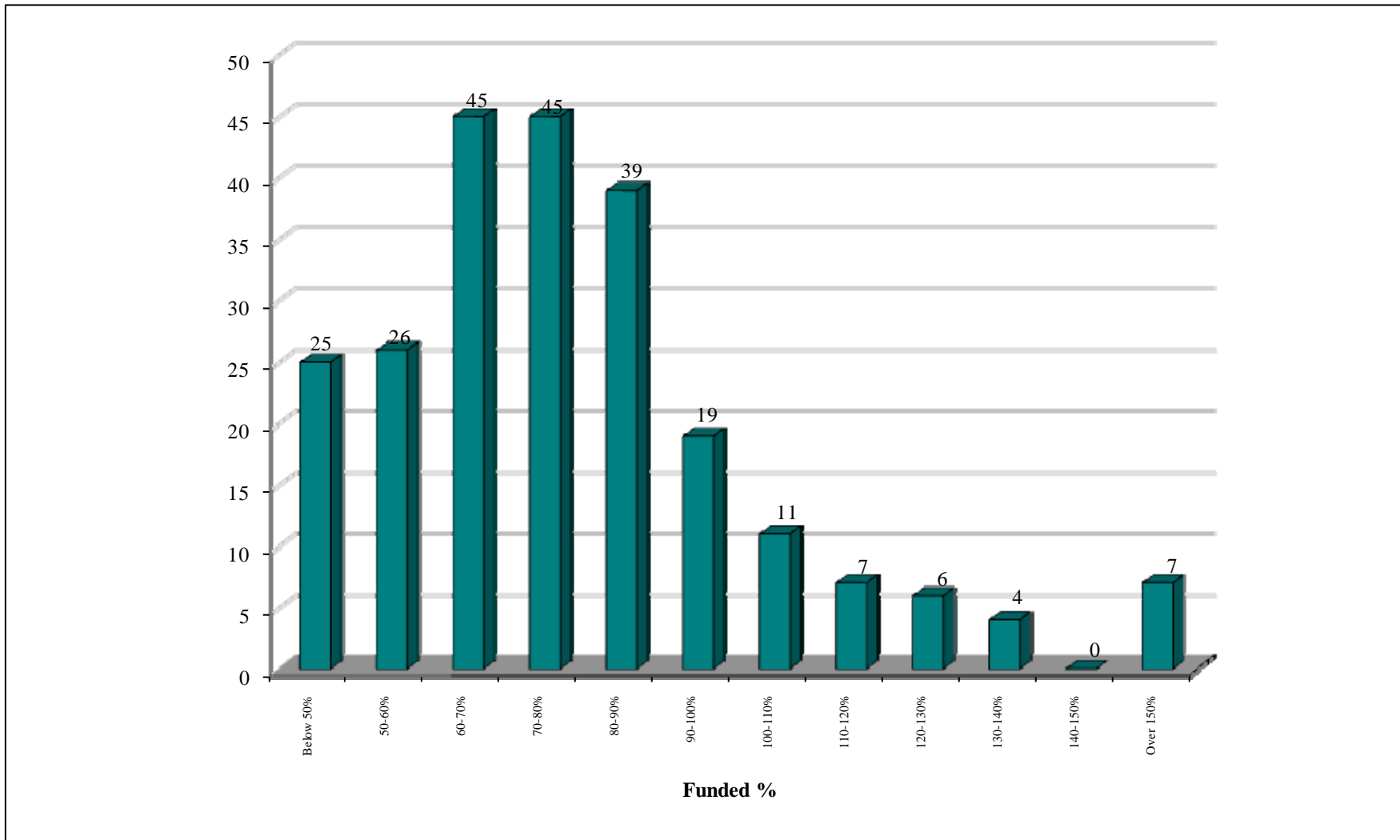
- 1) Member contributions on deposit;
- 2) The liabilities for future benefits to present retired lives;
- 3) The liabilities for service already rendered by active and inactive members.

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 (Including Health Insurance Subsidy)
(in \$'000s)

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	\$737,839	\$4,622,427	\$2,629,185	\$5,445,497	100%	100%	3.2%
2010	808,207	4,993,382	2,690,233	5,591,304	100	96	0

FUNDED PERCENTS - ALL EMPLOYERS AT JUNE 30, 2010



SECTION C
FUND ASSETS

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

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

Year Ended June 30:	2010	2011	2012	2013	2014	2015	2016
A. Funding Value Beginning of Year (Including Future Benefit Increases)	\$ 5,731,110,925						
B. Market Value End of Year	4,585,863,403						
C. Market Value Beginning of Year	4,115,701,122						
D. Non Investment Net Cash Flow	(82,914,232)						
E. Investment Income							
E1. Total: B-C-D	553,076,513						
E2. Amount for Immediate Recognition (8.50%)	483,620,574						
E3. Amount for Phased in Recognition: E1-E2	69,455,939						
F. Phased in Recognition of Investment Income							
F1. Current Year: E3 / 7	\$ 9,922,277						
F2. First Prior Year	(192,391,612)	\$ 9,922,277					
F3. Second Prior Year	(124,481,914)	(192,391,612)	\$ 9,922,277				
F4. Third Prior Year	50,985,948	(124,481,914)	(192,391,612)	\$ 9,922,277			
F5. Fourth Prior Year	(11,159,896)	50,985,948	(124,481,914)	(192,391,612)	\$ 9,922,277		
F6. Fifth Prior Year	(11,110,554)	(11,159,896)	50,985,948	(124,481,914)	(192,391,612)	\$ 9,922,277	
F7. Sixth Prior Year	13,011,801	(11,110,557)	(11,159,895)	50,985,946	(124,481,913)	(192,296,967)	\$ 9,922,277
F8. Total Recognized Investment Gain	\$ (265,223,950)	\$ (278,235,754)	\$ (267,125,196)	\$ (255,965,303)	\$ (306,951,248)	\$ (182,374,690)	\$ 9,922,277
G. Funding Value End of Year							
G1. Preliminary Funding Value End of Year: (A+D+E2+F8)	\$ 5,866,593,317						
G2. Future Benefit Increases	275,289,327						
G3. End of Year: (G1-G2)	5,591,303,990						
H. Difference Between Market Value & Funding Value: (B-G1)	\$ (1,280,729,914)	\$ (1,002,494,160)	\$ (735,368,964)	\$ (479,403,661)	\$ (172,452,413)	\$ 9,922,277	0
I. Market Rate of Return	13.6%						
J. Recognized Rate of Return	3.8%						
K. Ratio of Funding Value to Market Value	127.9%						

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

	2009	2010
Market Value at the Beginning of Year:	\$ 5,019,280,698	\$ 4,115,701,122
Revenues:		
a. Member contributions	\$ 108,809,247	\$ 112,749,520
b. Employer contributions	328,436,309	300,707,126
c. Interest income (net of expenses)	(877,150,850)	548,144,163
d. Net Transfers	535,167	515,530
e. Total	<u>(\$439,370,127)</u>	<u>\$ 962,116,339</u>
Disbursements:		
a. Refunds of member contributions	7,643,202	9,975,440
b. Pension Benefits	353,483,944	386,592,925
c. DROP Benefits	90,868,267	82,888,770
d. Health Subsidy	12,214,037	12,496,923
e. Total	<u>464,209,450</u>	<u>491,954,058</u>
Reserve Increase:		
Total revenues minus total disbursements	(903,579,576)	470,162,281
Market Value at the End of Year:	\$ 4,115,701,122	\$ 4,585,863,403

SECTION D
CENSUS DATA

JUNE 30, 2010 VALUATION DATA SUMMARY

For purposes of the June 30, 2010 valuation, information on 30,621 covered persons was furnished. These people may be briefly described as follows.

	No.	Averages			
		Age	Years of Service	Annual Pay or Retirement Allowance	
				2010	2009
Actives	19,468	38.4	10.0	\$71,941	\$71,256
Retirees & Beneficiaries	8,954	62.1		45,856	44,024
DROP	1,093	53.2		56,785	54,092
Inactive Vested	1,106	36.0			
	30,621				

ACTIVE MEMBERS

**Members in Active Service as of June 30, 2010
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	455	1						456	\$ 22,887,884	\$50,193
25 - 29	2,278	474						2,752	157,284,113	57,153
30 - 34	1,608	1,652	363	1				3,624	232,730,102	64,219
35 - 39	930	1,358	1,550	284	1			4,123	295,408,693	71,649
40 - 44	462	796	1,233	1,130	205	1		3,827	298,925,046	78,109
45 - 49	225	345	501	764	647	157	1	2,640	219,439,342	83,121
50 - 54	91	137	210	345	350	263	57	1,453	126,357,841	86,963
55 - 59	36	47	66	114	90	65	32	450	37,073,257	82,385
60 - 64	14	17	21	39	16	11	6	124	9,092,337	73,325
65 and over	2	2	4	8	1		2	19	1,345,146	70,797
Total	6,101	4,829	3,948	2,685	1,310	497	98	19,468	\$ 1,400,543,761	\$71,941

TERMINATED VESTED MEMBERS

Age	Years of Service					Total Count
	0 - 4	5 - 9	10 - 14	15 - 19	20 & Up	
Under 30	313	3				316
30 - 39	398	55	18	2		473
40 - 44	96	22	19	5		142
45 - 49	57	15	15	9	1	97
50 - 54	25	7	7	3		42
55 - 59	6	2	8	3		19
60 - 69	6	1	10			17
70 and over						
Total	901	105	77	22	1	1,106

RETIREES AND BENEFICIARIES

Attained Ages	Males		Females		Total	
	No.	Annual Benefits	No.	Annual Benefits	No.	Annual Benefits
Under 25	2	\$ 40,759	2	\$ 58,966	4	\$ 99,725
25-29	2	23,812	8	293,636	10	317,448
30-34	10	293,372	21	692,450	31	985,822
35-39	55	1,730,241	36	1,339,087	91	3,069,328
40-44	146	5,551,051	60	2,033,130	206	7,584,181
45-49	476	19,894,929	151	5,932,976	627	25,827,905
50-54	949	43,435,062	180	7,491,462	1,129	50,926,524
55-59	1,517	76,278,799	204	8,494,671	1,721	84,773,470
60-64	1,831	91,337,564	198	8,214,116	2,029	99,551,680
65-69	1,094	54,214,596	182	7,109,462	1,276	61,324,058
70-74	644	30,133,156	156	5,586,692	800	35,719,848
75-79	415	17,778,688	145	5,144,761	560	22,923,449
80-84	186	7,648,604	108	3,696,235	294	11,344,839
85-89	62	2,355,068	66	2,193,535	128	4,548,603
90-94	11	399,950	27	883,852	38	1,283,802
95-99	3	87,370	6	190,656	9	278,026
100 and Over	0	0	1	31,810	1	31,810
Totals	7,403	\$351,203,021	1,551	\$59,387,497	8,954	\$410,590,518

Pension Being Paid		Number	Annual Pensions	Average Pensions
Retired Members	Service Pensions	6,557	\$320,257,942	\$48,842
	Disability Pensions	1,252	47,997,903	38,337
Totals		7,809	368,255,845	47,158
Survivors of Members	Spouses	1,098	41,266,450	37,583
	Children with Guardians	47	1,068,223	22,728
Total		1,145	42,334,673	36,974
Total Pension being Paid		8,954	\$410,590,518	\$45,856
		Average Age	Average Service	Average Age at Retirement
Normal retired members		62.6	23.6	51.0
Disability retired members		55.8	14.2	43.5
Spouse beneficiaries		67.4	18.8	44.1

**PENSIONS BEING PAID
HISTORICAL SCHEDULE**

Valuation Date June 30	No.	Annual Pensions	% Incr. in Annual Pensions	Average Pension	Present Value of Pensions	
					Total	Average
2001	5,782	\$ 170,281,580	11.9	\$ 29,450	\$ 1,722,264,280	\$ 297,867
2002	6,634	215,378,952	26.5	32,466	2,276,159,481	343,105
2003	7,195	256,503,012	19.1	35,650	2,794,848,306	388,443
2004	7,663	286,346,220	11.6	37,367	2,995,380,537	390,889
2005	8,160	317,771,553	11.0	38,943	3,607,372,524	442,080
2006	8,720	353,932,939	11.4	40,589	4,028,016,095	461,928
2007	8,958	375,472,203	6.1	41,915	4,266,600,730	476,289
2008	9,422	404,386,274	7.7	42,919	4,404,386,241	467,458
2009	9,653	435,480,427	7.7	45,113	4,513,524,906	467,577
2010	10,047	472,656,961	8.5	47,045	4,863,374,108	484,062

Results prior to 2009 were calculated 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 Projected Unit Credit Cost Method having the following characteristics:

- (i) The annual normal costs for each individual active member, payable from date of hire to date of retirement, are sufficient to accumulate the value of the member's benefit at the time of retirement;
- (ii) Each annual normal cost is the portion of the actuarial present value allocated to the current year. The normal cost is expected to increase as accrued service increases.

This method tends to be less stable than the Entry Age Normal Method particularly if the group size changes.

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. 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 26 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 5.5% 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 8.5% a year, compounded annually net of investment and administrative expenses. When viewed in the context of the COLA reserve, this assumption is extremely aggressive.

The assumed real return is the rate of return in excess of wage growth. Considering other assumptions used in the valuation, the 8.5% nominal rate translates to a net real return over wage growth of 3.0% 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	3.0%	5.5%	8.5%
25	3.0%	5.5%	8.5%
30	2.6%	5.5%	8.1%
35	1.1%	5.5%	6.6%
40	0.2%	5.5%	5.7%
45	0.2%	5.5%	5.7%
50	0.2%	5.5%	5.7%
55	0.1%	5.5%	5.6%
60	0.0%	5.5%	5.5%
Ref:			319

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Active Member Payroll is assumed to grow at 5.5% per year. There is no specific price inflation assumption used for this valuation since no benefits are linked to prices.

The healthy mortality table used in this valuation of the System was the RP 2000 Healthy Annuity Mortality table for males with no adjustment, and the female table with one year set forward. This assumption was first used for the June 30, 2007 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	0.53%	0.25%	30.07	32.35
55	0.59	0.39	25.86	27.79
60	0.82	0.69	21.64	23.42
65	1.34	1.14	17.62	19.33
70	2.22	1.86	13.92	15.54
75	3.78	3.10	10.61	12.13
80	6.44	5.08	7.79	9.16
Ref:	702 x 1.00 0 year set forward	703 x 1.00 1 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.

For actives, the sample rates of mortality and years of life expectancy are shown below, and were first used for the June 30, 2007 valuation of the System.

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Sample Attained Ages	Probability of Dying Next Year		Future Life Expectancy (years)	
	Men	Women	Men	Women
50	0.20%	0.20%	34.07	35.14
55	0.28	0.30	29.44	30.52
60	0.44	0.47	24.89	26.03
65	0.70	0.66	20.50	21.67
70	0.95	2.07	16.24	17.57
75	3.39	3.41	12.66	14.64
80	5.79	5.63	10.09	12.50
Ref:	663 x 1.00 1 year set back	664 x 1.00 2 year set forward		

VALUATION ASSUMPTIONS

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, 2007 valuation of the System.

Retirement/DROP Rates: Service-related rates based in the following schedule:

Service at Retirement	Rates			
	Police Large	Police Small	Fire Large	Fire Small
20	30%	45%	15%	20%
21	20%	35%	10%	20%
22	20%	25%	10%	10%
23	10%	15%	10%	10%
24	10%	10%	10%	10%
25	45%	40%	30%	20%
26	45%	40%	45%	30%
27	45%	30%	30%	30%
28	45%	30%	45%	30%
29	45%	30%	45%	30%
30	50%	30%	45%	45%
31	50%	30%	50%	45%
32	80%	65%	50%	45%
33	80%	65%	50%	45%
34	100%	100%	100%	100%
Ref.	1737	1738	1739	1740

Active members with at least 34 years of service are assumed to retire within the year. Members who do not acquire 20 years of service prior to age 62 are assumed to retire upon first eligibility following attainment of age 62.

VALUATION ASSUMPTIONS

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. This assumption was first used for the June 30, 2007 valuation of the System.

Sample Ages	Years of Service	% of Active Members Separating Within Next Year			
		Police Large	Police Small	Fire Large	Fire Small
All	0	12.00%	15.00%	7.00%	7.50%
	1	4.50%	10.00%	1.50%	6.00%
	2	3.50%	9.00%	1.00%	5.00%
	3	3.00%	7.00%	1.00%	5.00%
	4	2.50%	6.00%	1.00%	5.00%
	5 - 10	2.40%	5.30%	1.00%	3.00%
	10 Plus	0.50%	1.80%	0.10%	1.00%
Ref.		602	603	604	605

Rates of disability among active members used in the valuation are shown below, and were first used for the June 30, 2007 valuation of the System.

Sample Ages	% of Active Members Becoming Disabled Within Next Year			
	Police Large	Police Small	Fire Large	Fire Small
20	0.10%	0.15%	0.03%	0.04%
25	0.10%	0.15%	0.03%	0.04%
30	0.21%	0.29%	0.05%	0.04%
35	0.27%	0.35%	0.11%	0.09%
40	0.45%	0.57%	0.20%	0.20%
45	0.64%	0.79%	0.20%	0.55%
50	0.98%	2.00%	0.50%	0.75%
55	1.27%	2.00%	1.16%	1.30%
Ref	588	589	590	591

SUMMARY OF ASSUMPTIONS USED
JUNE 30, 2010
MISCELLANEOUS AND TECHNICAL ASSUMPTIONS

Marriage Assumption:	90% 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.
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 80% Joint and Survivor form of payment with no reduction, for married members. 90% 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.
Normal Cost Percentage:	For the purposes of calculating the Normal Cost as a percent of payroll under the Projected Unit Credit Cost Method, the Normal Cost was projected with interest to the applicable Fiscal Year and divided by the Payroll projected with wage base to the applicable Fiscal Year.
Health Care Utilization:	80% of future retirees are expected to utilize retiree health care. 90% of those are assumed to be married.

SECTION F
PLAN PROVISIONS

Summary of Plan Provisions Valued and/or Considered

Membership: Persons who are employed in an eligible group, prior to attaining age 50 years, for at least 40 hours a week for more than six months per year.

Average Monthly Compensation: One-thirty-sixth of total compensation paid to member during the three years, out of the last 20 years of credited service, in which the amount paid was highest. Compensation is the amount including base salary, overtime pay, shift differential pay and holiday pay, paid to an employee on a regular payroll basis and longevity pay paid at least every six months for which contributions are made to the System.

Normal Retirement: First day of month following completion of 20 years of service or following 62nd birthday and completion of 15 years of service.

The amount of monthly normal pension is based on credited service and average monthly compensation as follows:

- **For retirement with 25 or more years of credited service,** 50% of average monthly compensation for the first 20 years of credited service, plus 2-1/2% of average monthly compensation for each year of credited service above 20 years.
- **For retirement with 20 years of credited service but less than 25 years of credited service,** 50% of average monthly compensation for the first 20 years of credited service, plus 2% of average monthly compensation for each year of credited service between 20 and 25 years.
- **For retirement with less than 20 years of credited service,** the percent of average monthly compensation is reduced at a rate of 4% for each year less than 20 years.

The maximum amount payable as a normal retirement pension is 80% of the average monthly compensation.

Vested Termination (deferred retirement): Termination of covered position employment with 10 or more years of credited service. Pension is equal to twice the amount of pension based on the member’s accumulated contributions with payments commencing at age 62. Benefit is forfeited if accumulated contributions are refunded. The following schedule shows additional money which would be payable to members who receive a refund of their accumulated member contributions.

<u>Years of Credited Service</u>	<u>Additional Monies (% of Contributions)</u>
0-4	0%
5-6	25-40
7-8	55-70
9-10	85-100

Ordinary Disability Retirement (not duty-related): Physical condition which totally and permanently prevents performance of a reasonable range of duties or a mental condition which totally and permanently prevents any substantial gainful employment. The amount of pension is a percentage of normal pension, as follows:

<u>Credited Service</u>	<u>Additional Monies (% of Contributions)</u>
Less than 7 years	25%
7-13 years	50%
14-19 years	75%

Accidental Disability Retirement (duty-related): Total and presumably permanent disability, incurred in performance of duty, preventing performance of a reasonable range of duties within the employee's job classification. No credited service requirement. Pension is computed in the same manner as normal pension based on credited service and average monthly compensation at time of termination of employment. Pension is 50% of average monthly compensation, or normal pension amount, whichever is greater.

Offset of Ordinary Disability Retirement before the member's normal retirement date: The pension is reduced if the retiree engages in any employment and the income from this employment is greater than the retiree's pension. The reduction is equal to the difference between the retiree's income from employment and the retiree's pension.

Temporary Disability: Termination of employment prior to normal retirement eligibility by reason of temporary disability. Pension is 1/12 of 50% of compensation during the year preceding the date disability was incurred. Payments terminate after 12 months of prior recovery.

Catastrophic Disability: Pension is 90% of average monthly compensation. After 60 months, the pension is the greater of 62.5% of average monthly compensation or the member's accrued normal pension.

Survivor Pension: Death while a member employed by an employer of death after retirement. No credited service requirement.

Spouse Pension: 80% of pension deceased active member would have been paid for accidental disability retirement or, in the case of retired member, 80% of the retired member's pension. Requires two years of marriage. Terminates upon death. For member killed in line of duty, 100% of average compensation, reduced by child's pension.

Child's Pension: 20% of the pension each month based on the calculation for an accidental disability retirement. Payable to a dependent child under age 18 (age 23 if a full-time student).

Guardian’s Pension: Same amount as spouse’s pension. Payable only during periods no spouse is being paid and there is at least one child under age 18 (age 23 if a full time student). 80% of the member’s pension and the Child’s Pension will be paid to the guardian.

Other Termination of Employment: Member is paid his/her accumulated contributions.

Post-Retirement Adjustments: Effective July 1 of each year, each retired member or survivor of a retired member may be entitled to a permanent benefit increase in his base benefit. The maximum amount of the increase is four percent (4%) of the average normal PSPRS benefit being received on the preceding June 30 and is contingent upon sufficient excess investment earnings for the fund. To be eligible for the increase the member or survivor must be age 55 or older on July 1 of the current year and began receiving benefits on or before July 31 of the previous year. A member or survivor is also eligible if he began receiving benefits on or before July 31 of the two previous years regardless of age.

A COLA reserve is maintained and used to pay for the post-retirement adjustment. The investment return on the COLA 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 COLA 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 the COLA reserve. A post-retirement adjustment is paid as long as there is a positive balance in the COLA reserve.

Post-Retirement Health Insurance Subsidy: Payable on behalf of retired members and survivors who elect coverage provided by the state or participating employer. The 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

Deferred Retirement Option Plan (DROP): A member with 20 or more years of credited service under the System may enter into the DROP program with his employer. Under the DROP program, the member must voluntarily and irrevocably elect to enter into the program with his employer for a period of up to 60 months. During the DROP period, the member remains in the employ of the employer as a full-time paid firefighter or full-time paid certified peace officer but no member or employer contributions are made to the System, therefore no additional years of credited service are accrued on the member’s behalf. The member’s monthly pension is calculated based upon the years of credited service and average monthly compensation at the beginning of the DROP period. This monthly pension amount is credited to a DROP participation account with interest at the rate of 8.5% annually, but credited monthly to the account. The interest rate credited to the DROP account is 8.25% for the fiscal year beginning July 1, 2010. At the end of the DROP period or prior to that time if the member terminates employment, the monies in the DROP participation account will be either paid to the member in a lump-sum amount or paid in a lump-sum distribution to an eligible retirement plan or individual retirement account. The member will then begin receiving the monthly pension

amount directly from the System in the same amount as was being credited to the DROP participation account.

Reverse DROP: Expired effective July 1, 2010.

Member Contributions: Members contribute 7.65% of compensation.

Employer Contributions: Percent of payroll normal cost plus 30 year (26 years remaining as of June 30, 2010) amortization of unfunded actuarial accrued liability (20 year amortization for credit). The statutory minimum is 8% of payroll (5% of payroll if the actual employer contribution rate is less than 5% for the 2006/2007 fiscal year).

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.

GASB STATEMENT NO. 25 SUPPLEMENTARY INFORMATION

**SCHEDULE OF FUNDING PROGRESS
(EXCLUDING HEALTH INSURANCE SUBSIDY BEGINNING JUNE 30, 2008)
SCHEDULE OF FUNDING PROGRESS**

Year Ended June 30	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (UAAL) (b)-(a)	Funded Ratio (a)/(b)	Covered Payroll (c)	UAAL as a Percent of Covered Payroll [(b)-(a)]/(c)
2001	\$ 4,661,941,486	\$ 3,674,758,173	\$ (987,183,313)	126.9 %	\$826,739,742	0.0 %
2002	4,684,386,470	4,144,211,267	(540,175,203)	113.0 %	854,248,911	0.0 %
2003	4,781,376,659	4,739,612,765	(41,763,894)	100.9 %	881,284,717	0.0 %
2004	4,774,312,978	5,167,332,630	393,019,652	92.4 %	911,718,122	43.1 %
2005	4,886,962,635	5,951,937,046	1,064,974,411	82.1 %	974,862,717	109.2 %
2006	4,999,911,405	6,495,012,333	1,495,100,928	77.0 %	1,073,685,222	139.2 %
2007	4,829,521,186	7,268,291,485	2,438,770,299	66.4 %	1,228,037,467	198.6 %
2008	5,095,645,042	7,405,397,175	2,309,752,133	68.8 %	1,383,332,020	167.0 %
2009	5,445,497,208	7,778,394,070	2,332,896,862	70.0 %	1,415,642,509	164.8 %
2010	5,591,303,990	8,255,185,021	2,663,881,031	67.7 %	1,400,543,761	190.2 %

Results prior to 2009 were calculated by the prior actuary.

GASB STATEMENT NO. 25 SUPPLEMENTARY INFORMATION

SCHEDULE OF EMPLOYER CONTRIBUTIONS

Fiscal Year Ended June 30	Annual Required Contribution
2001	\$ 51,391,526
2002	51,983,407
2003	50,800,669
2004	79,000,130
2005	104,497,150
2006	127,218,686
2007	177,587,507
2008	233,556,049
2009	328,436,309
2010	300,707,126
2011	308,826,519 (est.)
2012	331,409,431 (est.)

Fiscal Years prior to 2011 provided by the prior actuary.

Beginning with the 2011 fiscal year, this schedule shows the estimated annual required contribution (calculated based on recommended contribution rate and the projected payroll for the fiscal year). Actual amounts reported in the employer's financial statements may be different, due to differences between the projected payroll and the actual payroll during the fiscal year.

GASB STATEMENT NO. 25 SUPPLEMENTARY INFORMATION

SUMMARY OF ACTUARIAL METHODS AND ASSUMPTIONS

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, 2010
Actuarial cost method	Projected Unit Credit
Amortization method	Level percent-of-pay closed
Remaining amortization period	26 years
Asset valuation method	7-year smoothed market
Actuarial assumptions:	
Investment rate of return	8.5%
Projected salary increases	5.5% - 8.5%
Payroll Growth	5.5%
Cost-of-living adjustments	None.

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.

Please note the liabilities in the schedules below were calculated based on the 8.5% interest rate assumption. It is our understanding that currently assets are not segregated to fund these liabilities. As a result, according to GASB Statement No. 45, these benefits may not be considered to be pre-funded. In that case the 8.5% interest rate assumption may not be appropriate. This issue should be discussed with the auditors and with legal counsel.

SCHEDULE OF FUNDING PROGRESS

Valuation Date June 30	Actuarial Value of Assets (a)	Actuarial Accrued 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	\$232,878,379	\$232,878,379	0.00%	\$1,073,685,222	21.69%
2007	0	256,905,578	256,905,578	0.00	1,228,037,467	20.92%
2008	0	257,381,466	257,381,466	0.00	1,383,332,020	18.61%
2009	0	211,056,746	211,056,746	0.00	1,415,642,509	14.91%
2010	0	236,637,370	236,637,370	0.00	1,400,543,761	16.90%

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	0.53%	1.17%	1.70%	\$ 21,797,745
2006	2008	0.51%	1.00%	1.51%	20,888,314
2007	2009	0.58%	0.98%	1.56%	22,084,023
2008	2010	0.51%	0.89%	1.40%	19,607,613
2009	2011	0.57%	0.72%	1.29%	20,325,827
2010	2012	0.57%	0.85%	1.42%	22,135,531

Fiscal Years prior to 2011 provided by the prior actuary.

Health Insurance Subsidy Payment Reported for FY 2010: \$12,496,923

Note: GASB Statement No. 45 Supplementary Information is shown individually in the separate reports for each participating unit.

APPENDIX II

SUMMARY OF POPULATION DATA BY INDIVIDUAL EMPLOYERS

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	Number of Actives	Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of DROP	Annual DROP Benefits	Number of Vested Inactive	Annual Vested Benefits
1	BISBEE FIRE DEPARTMENT	18	786,618	21	683,297	2	62,177	0	-
2	CASA GRANDE FIRE DEPARTMENT	58	4,250,258	18	853,352	0	-	2	64,733
3	CASA GRANDE POLICE DEPARTMENT	73	5,079,289	38	1,501,042	2	127,386	3	68,877
4	CHANDLER FIRE DEPARTMENT	188	15,328,067	37	1,778,315	9	600,385	0	-
5	CHANDLER POLICE DEPARTMENT	309	26,008,462	66	3,059,065	12	684,171	5	377,920
6	CLIFTON FIRE DEPARTMENT	-	-	2	57,495	0	-	0	-
7	DEPARTMENT OF PUBLIC SAFETY	1,071	72,434,213	1082	48,547,962	95	4,809,331	26	625,968
8	DOUGLAS FIRE DEPARTMENT	22	1,161,906	21	737,203	2	69,046	2	6,554
9	DOUGLAS POLICE DEPARTMENT	30	1,811,688	24	845,778	3	87,175	4	135,473
10	FLAGSTAFF FIRE DEPARTMENT	74	4,671,743	70	2,853,123	13	718,202	3	164,233
11	FLAGSTAFF POLICE DEPARTMENT	109	6,907,462	57	2,457,807	3	194,862	8	125,063
12	GLENDALE FIRE DEPARTMENT	221	16,907,593	72	3,548,693	11	853,839	4	106,387
13	GLENDALE POLICE DEPARTMENT	401	28,328,660	142	6,451,903	14	802,638	12	74,819
14	GLOBE FIRE DEPARTMENT	18	912,635	9	315,400	1	29,917	0	-
15	KINGMAN FIRE DEPARTMENT	49	3,037,925	14	558,223	1	82,180	0	-
16	MARICOPA COUNTY SHERIFF'S OFFICE	694	41,689,799	385	16,392,787	28	1,307,805	16	452,546
17	MESA FIRE DEPARTMENT	337	26,743,003	165	8,727,910	45	2,885,867	5	109,219
18	MESA POLICE DEPARTMENT	726	56,051,165	335	16,482,605	58	3,227,259	22	626,930
19	MIAMI FIRE DEPARTMENT	-	-	0	-	0	-	0	-
20	NOGALES FIRE DEPARTMENT	47	2,444,422	16	552,530	0	-	1	3,302
21	PHOENIX FIRE DEPARTMENT	1,472	129,802,378	868	47,178,051	128	9,008,715	12	164,923
22	PHOENIX POLICE DEPARTMENT	3,017	261,334,786	1753	90,456,624	198	13,016,492	244	1,726,019
23	PRESCOTT FIRE DEPARTMENT	58	4,001,892	41	1,761,706	8	378,323	3	13,180
24	PRESCOTT POLICE DEPARTMENT	62	3,979,459	50	2,036,101	4	156,232	2	52,695
25	SCOTTSDALE POLICE DEPARTMENT	401	31,984,272	162	7,698,414	22	1,286,990	31	667,306
26	SIERRA VISTA FIRE DEPARTMENT	45	2,660,762	15	664,789	4	229,043	1	590
27	TEMPE FIRE DEPARTMENT	132	11,965,093	102	4,959,208	17	1,137,950	7	56,366
28	TEMPE POLICE DEPARTMENT	320	28,315,537	182	8,809,896	22	1,191,124	24	429,604
29	TUCSON FIRE DEPARTMENT	585	38,256,229	452	20,811,457	78	3,897,183	10	91,859
30	TUCSON POLICE DEPARTMENT	893	60,140,356	727	31,684,827	107	5,423,451	34	262,876
31	WINSLOW FIRE DEPARTMENT	6	350,845	1	36,732	0	-	0	-
32	YUMA FIRE DEPARTMENT	98	5,913,555	71	3,073,225	7	344,307	0	-
33	YUMA POLICE DEPARTMENT	152	9,412,636	90	3,644,803	4	200,039	11	53,460
34	YUMA COUNTY SHERIFF'S DEPARTMENT	84	5,302,661	35	1,271,295	1	42,184	6	66,731
35	GAME AND FISH DEPARTMENT	126	6,977,191	136	5,417,141	11	448,572	5	44,105
36	SIERRA VISTA POLICE DEPARTMENT	62	4,024,782	27	1,254,295	2	117,302	6	198,615
37	BENSON POLICE DEPARTMENT	14	795,381	4	147,521	0	-	1	43,506
38	BISBEE POLICE DEPARTMENT	13	676,953	14	477,423	1	47,634	1	785
39	PIMA COUNTY SHERIFF'S DEPARTMENT	485	31,302,160	318	12,918,412	20	1,112,897	49	432,697
40	KINGMAN POLICE DEPARTMENT	52	3,009,802	17	731,189	2	69,328	3	3,758
41	ASU CAMPUS POLICE	59	3,485,588	30	1,196,873	3	136,103	10	27,502
42	LAKE HAVASU CITY FIRE DEPARTMENT	65	4,137,630	36	1,543,277	9	478,891	0	-
43	MOHAVE COUNTY SHERIFF'S DEPT.	82	4,782,717	34	1,203,161	3	119,934	10	283,875
44	BULLHEAD CITY FIRE DEPARTMENT	77	5,769,065	11	424,121	5	216,643	2	7,499
45	U OF A CAMPUS POLICE DEPARTMENT	53	3,138,804	23	771,312	1	59,907	9	148,816
46	COCHISE COUNTY SHERIFF'S DEPT	82	4,701,972	53	1,836,064	1	18,940	16	19,264
47	SAFFORD POLICE DEPARTMENT	16	1,088,025	11	403,018	3	157,305	0	-
49	DREXEL HEIGHTS FIRE DISTRICT	85	4,967,788	7	187,074	3	92,631	7	388,107
50	WINSLOW POLICE DEPARTMENT	27	1,455,902	7	247,414	0	-	2	8,985
51	PAYSON FIRE DEPARTMENT	20	1,234,935	6	253,182	2	111,341	1	19,447

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	Number of Actives	Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of DROP	Annual DROP Benefits	Number of Vested Inactive	Annual Vested Benefits
52	PAYSON POLICE DEPARTMENT	27	1,661,240	17	652,479	1	25,614	6	68,798
53	HUALAPAI VALLEY FIRE DISTRICT	45	2,048,161	3	117,341	-	-	9	19,047
54	FRY FIRE DISTRICT	44	2,790,773	17	742,382	-	-	-	-
55	FREDONIA MARSHALS	4	178,675	-	-	-	-	-	-
56	NAU CAMPUS POLICE	15	867,786	11	470,359	-	-	1	27,777
58	SOUTH TUCSON FIRE DEPARTMENT	8	359,650	4	129,410	-	-	2	10,333
59	A VONDALE FIRE DEPARTMENT	50	3,968,803	4	175,352	2	94,481	3	8,537
60	PARKER POLICE DEPARTMENT	10	495,200	3	100,312	-	-	4	75,343
61	COCONINO COUNTY SHERIFF'S DEPT	51	2,854,136	45	1,798,602	4	156,210	6	38,461
62	CENTRAL YA VAPAI FIRE DISTRICT	72	5,349,854	20	890,448	5	298,777	1	57,102
64	BUCKSKIN FIRE DISTRICT	11	740,587	8	290,112	-	-	5	15,028
65	SNOWFLAKE POLICE DEPARTMENT	15	726,368	4	142,324	-	-	2	42,042
66	COTTONWOOD POLICE DEPARTMENT	31	1,684,033	13	462,401	-	-	2	3,854
67	LAKE HAVASU CITY POLICE DEPT.	80	5,137,294	29	1,280,745	8	399,942	9	90,898
69	SOUTH TUCSON POLICE DEPARTMENT	13	583,794	15	489,784	-	-	1	9,192
70	APACHE JUNCTION POLICE DEPARTMENT	45	3,008,704	27	1,068,576	4	195,582	6	46,891
71	NA VAJO COUNTY SHERIFF'S DEPT.	44	2,056,308	28	914,427	-	-	3	44,917
72	MOHAVE VALLEY FIRE DISTRICT	33	1,781,475	1	33,916	-	-	5	72,382
73	PEORIA FIRE DEPARTMENT	139	10,423,082	18	792,024	3	192,219	3	46,232
74	PEORIA POLICE DEPARTMENT	170	13,537,319	47	2,024,399	8	382,105	15	114,031
76	PARADISE VALLEY POLICE DEPARTMENT	24	2,059,235	29	1,233,496	4	210,817	1	10,820
77	WILLCOX POLICE DEPARTMENT	11	545,431	5	162,679	-	-	-	-
78	SHOW LOW POLICE DEPARTMENT	28	1,636,027	8	273,516	1	31,408	1	12,590
79	ELOY POLICE DEPARTMENT	26	1,807,403	7	246,161	-	-	2	30,701
80	NOGALES POLICE DEPARTMENT	58	3,438,798	17	561,475	2	47,561	5	2,185
81	GILBERT POLICE DEPARTMENT	220	16,588,316	24	1,089,741	2	90,793	24	275,978
83	CLIFTON POLICE DEPARTMENT	5	247,958	1	23,382	-	-	1	2,053
85	COOLIDGE POLICE DEPARTMENT	32	1,681,861	9	299,672	1	57,221	1	77,942
86	HOLBROOK POLICE DEPARTMENT	15	687,806	10	344,211	-	-	4	108,823
87	SANTA CRUZ COUNTY SHERIFF'S DEPT.	37	2,286,973	14	495,104	-	-	10	41,621
88	PRESCOTT VALLEY POLICE DEPARTMENT	60	3,923,257	8	304,575	-	-	-	-
89	EAGAR POLICE DEPARTMENT	8	448,627	3	97,493	-	-	-	-
90	TOLLESON POLICE DEPARTMENT	29	1,783,677	8	308,150	-	-	1	3,086
91	FLORENCE POLICE DEPARTMENT	28	1,570,453	2	65,260	-	-	5	65,072
92	SPRINGVILLE POLICE DEPARTMENT	7	342,018	2	61,835	-	-	-	-
93	EL MIRAGE POLICE DEPARTMENT	37	2,728,700	8	279,239	-	-	6	43,124
94	SUPERIOR POLICE DEPARTMENT	7	294,526	2	55,097	-	-	2	46,723
95	SAN LUIS POLICE DEPARTMENT	31	1,716,107	4	163,257	-	-	3	35,103
96	PAGE POLICE DEPARTMENT	19	1,264,930	6	229,561	-	-	2	19,371
97	PAGE FIRE DEPARTMENT	17	950,319	2	65,056	-	-	3	15,762
98	YA VAPAI COUNTY SHERIFF'S DEPT.	122	6,760,646	47	1,656,830	3	105,001	16	93,495
100	PIMA POLICE DEPARTMENT	4	215,444	-	-	-	-	2	15,471
101	APACHE COUNTY SHERIFF'S DEPT.	28	1,403,221	19	645,039	-	-	4	16,657
102	COTTONWOOD FIRE DEPARTMENT	27	1,472,418	2	70,022	-	-	-	-
103	LA PAZ COUNTY SHERIFF'S DEPT.	29	1,648,070	13	501,020	4	148,884	3	74,875
104	PINAL COUNTY SHERIFF'S DEPARTMENT	210	13,289,088	72	2,421,360	2	85,929	12	152,799
105	CLARKDALE POLICE DEPARTMENT	8	310,427	4	91,019	-	-	1	6,169
106	BUCKEYE POLICE DEPARTMENT	66	4,341,609	8	313,614	-	-	3	5,920
107	MARANA POLICE DEPARTMENT	73	4,345,965	14	508,812	2	58,842	14	207,831
108	TOLLESON FIRE DEPARTMENT	29	2,097,226	2	78,751	-	-	3	55,179

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	Number of Actives	Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of DROP	Annual DROP Benefits	Number of Vested Inactive	Annual Vested Benefits
109	CHINO VALLEY POLICE DEPARTMENT	26	1,249,274	4	140,319	1	44,382	-	-
110	SURPRISE POLICE DEPARTMENT	128	8,941,868	11	428,834	1	42,394	9	122,634
111	WELLTON POLICE	5	245,315	1	32,265	-	-	2	17,922
112	GLA COUNTY SHERIFF'S DEPARTMENT	43	2,135,860	23	602,896	1	43,326	7	161,390
113	PINETOP-LAKESIDE POLICE DEPT.	11	601,878	7	245,549	1	27,528	4	138,845
114	BULLHEAD CITY POLICE DEPARTMENT	73	4,723,790	23	833,557	6	340,641	1	2,555
115	WILLIAMS POLICE DEPARTMENT	11	589,450	3	63,114	-	-	1	5,477
116	MIAMI POLICE DEPARTMENT	6	249,153	2	57,022	-	-	1	28,110
117	THATCHER POLICE DEPARTMENT	10	623,435	7	229,617	-	-	-	-
118	YOUNGTOWN POLICE DEPARTMENT	11	530,541	3	90,790	-	-	3	112,886
119	DEPARTMENT OF EMER & MILITARY AFF	42	2,137,164	13	418,459	1	23,384	2	12,336
120	SURPRISE FIRE DEPARTMENT	102	7,785,993	1	19,080	5	339,268	1	6,577
121	CAMP VERDE MARSHALS	16	838,437	3	101,656	-	-	-	-
122	ORO VALLEY POLICE DEPARTMENT	93	5,994,879	18	643,398	2	80,293	7	171,232
123	GREENLEE COUNTY SHERIFF'S DEPT.	13	639,428	4	123,926	-	-	4	30,342
124	TUCSON AIRPORT AUTHORITY FIRE DPT	13	824,821	12	554,936	3	151,965	2	19,349
125	TUCSON AIRPORT AUTHORITY POLICE	19	1,220,399	15	623,449	3	110,361	3	7,225
126	WICKENBURG POLICE DEPARTMENT	14	848,786	4	142,813	-	-	1	53,467
127	EL MIRAGE FIRE DEPARTMENT	23	1,642,082	1	42,599	-	-	-	-
128	PATAGONIA MARSHALS	1	28,084	1	29,576	-	-	1	70,130
129	SEDONA POLICE DEPARTMENT	28	1,700,239	3	108,946	-	-	4	142,608
130	MAMMOTH POLICE DEPARTMENT	8	272,538	1	11,287	-	-	2	19,054
131	GLOBE POLICE DEPARTMENT	24	1,158,285	11	349,417	-	-	1	1,339
132	TOMBSTONE MARSHALS DEPARTMENT	6	264,983	-	-	-	-	2	119,602
133	GOLDER RANCH FIRE DISTRICT	110	6,900,213	2	53,328	5	214,740	1	39,343
134	FORT MOJAVE MESA FIRE DISTRICT	34	2,599,423	7	254,213	1	34,413	3	27,985
136	GOODYEAR FIRE DEPARTMENT	91	6,508,273	1	48,318	-	-	-	-
137	GOODYEAR POLICE DEPARTMENT	92	6,254,977	8	339,902	2	115,947	5	69,269
138	CHINO VALLEY FIRE DISTRICT	36	2,194,913	1	32,490	1	49,697	-	-
139	A VONDALE POLICE DEPARTMENT	104	6,743,939	14	512,616	2	80,377	14	240,829
140	GRAHAM COUNTY SHERIFF'S DEPT.	22	1,158,489	4	103,107	-	-	1	11,082
142	GOLDEN VALLEY FIRE DISTRICT	23	1,203,012	4	132,199	-	-	4	18,410
143	DAISY MOUNTAIN FIRE DISTRICT	87	6,865,697	-	-	1	63,460	2	28,793
144	QUARTZSITE POLICE DEPARTMENT	13	760,544	-	-	-	-	-	-
145	PICTURE ROCKS FIRE DISTRICT	19	910,082	2	49,918	-	-	2	24,768
146	PIMA COUNTY COMM. COLLEGE POLICE	26	1,320,716	9	309,995	2	63,844	5	3,469
147	NORTHWEST FIRE DISTRICT	192	13,187,125	13	479,802	4	162,070	6	164,569
148	APACHE JUNCTION FIRE DISTRICT	74	5,556,259	6	281,549	2	93,298	3	113,306
149	GILBERT FIRE DEPARTMENT	177	12,158,329	2	83,834	-	-	3	19,940
150	PINE-STRAWBERRY FIRE DISTRICT	16	1,036,550	2	71,042	3	130,595	1	31,300
151	ATTORNEY GENERAL INVESTIGATORS	7	452,022	24	914,023	5	195,903	-	-
153	ST. JOHNS POLICE DEPARTMENT	11	455,048	1	31,989	-	-	3	64,836
154	PIMA COUNTY ATTORNEY INVESTIGATOR	7	359,101	2	75,718	2	94,185	1	5,476
155	SUN LAKES FIRE DISTRICT	35	3,082,229	7	284,445	-	-	2	6,706
156	KEARNY POLICE DEPARTMENT	4	189,685	2	64,615	-	-	2	72,563
157	GREENLEE CNTY ATTY INVESTIGATORS	-	-	-	-	-	-	-	-
158	NAVAJO COUNTY ATTY'S INVESTIGATOR	-	-	1	29,471	-	-	-	-
160	ARIZONA STATE CAPITOL POLICE	26	1,100,688	4	134,978	1	35,804	4	118,762
162	AVRA VALLEY FIRE DISTRICT	26	1,119,817	-	-	-	-	9	181,959
163	SAN LUIS FIRE DEPARTMENT	21	1,003,196	-	-	-	-	4	109,704

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	Number of Actives	Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of DROP	Annual DROP Benefits	Number of Vested Inactive	Annual Vested Benefits
164	AZ DPT. LIQ. LIC. & CONTROL INVST	9	516,257	12	386,735	-	-	3	190,678
165	MARICOPA CNTY ATTY INVESTIGATORS	12	767,797	17	672,814	-	-	2	106,522
166	SEDONA FIRE DISTRICT	70	5,374,223	12	582,595	1	48,545	2	68,299
167	GUADALUPE FIRE DEPARTMENT	6	389,274	1	42,379	-	-	-	-
168	MAYER FIRE DISTRICT	15	846,425	2	59,831	-	-	1	6,575
169	SOMERTON POLICE DEPARTMENT	22	944,119	2	85,396	-	-	2	45,945
170	SUN CITY WEST FIRE DISTRICT	46	3,849,973	10	362,587	4	248,236	1	122,892
171	SOMERTON FIRE DEPARTMENT	18	801,981	3	60,001	-	-	1	2,673
172	TUBAC FIRE DISTRICT	27	1,503,165	2	43,557	-	-	2	26,232
173	LA PAZ COUNTY ATTY. INVESTIGATORS	1	57,660	-	-	-	-	-	-
174	SAHUARITA POLICE DEPARTMENT	36	2,322,852	-	-	-	-	4	63,569
176	FLORENCE FIRE DEPARTMENT	21	1,077,609	-	-	-	-	-	-
177	SUN CITY FIRE DISTRICT	61	4,594,407	12	726,915	5	331,527	-	-
178	HA YDEN POLICE DEPARTMENT	6	334,016	-	-	-	-	5	78,137
179	GILA RIVER FIRE DEPARTMENT	68	4,497,694	5	119,795	-	-	5	163,126
180	GILA RIVER POLICE DEPARTMENT	87	5,824,384	2	82,398	-	-	5	72,849
181	SALT RIVER PIMA-MARICOPA FIRE	78	6,136,691	5	216,837	-	-	-	-
182	SALT RIVER PIMA-MARICOPA POLICE	108	8,039,610	11	463,809	-	-	3	184,064
183	LAKESIDE FIRE DISTRICT	23	1,374,937	-	-	-	-	1	89,208
185	PINETOP FIRE DISTRICT	27	1,743,961	6	151,579	-	-	4	64,448
186	SHOW LOW FIRE DISTRICT	34	2,218,282	1	39,730	-	-	3	112,677
187	YAVAPAI CNTY ATTRNY INVESTIGATORS	-	-	2	64,806	-	-	-	-
188	THREE POINTS FIRE DISTRICT	14	714,982	1	56,153	-	-	3	22,011
190	BUCKEYE FIRE DEPARTMENT	75	4,555,087	-	-	-	-	-	-
191	MONTEZUMA RIMROCK FIRE DISTRICT	11	602,309	1	23,532	1	31,310	3	25,932
192	HEBER-OVERGAARD FIRE DISTRICT	12	665,816	-	-	-	-	2	2,103
193	DIAMOND STAR FIRE DISTRICT (HELLSGATE)	8	478,400	-	-	-	-	-	-
194	GREEN VALLEY FIRE DISTRICT	64	4,073,265	3	92,714	1	58,819	-	-
195	SUMMIT FIRE DISTRICT	43	2,488,146	1	33,218	-	-	3	15,887
196	CAMP VERDE FIRE DISTRICT	26	1,554,985	-	-	-	-	1	11,814
197	FORT MCDOWELL TRIBAL FIRE DEPT.	11	593,172	-	-	-	-	-	-
198	FORT MCDOWELL TRIBAL POLICE DEPT.	17	1,224,288	-	-	-	-	2	13,503
199	HIGHLANDS FIRE DISTRICT	23	1,517,254	3	114,393	-	-	2	13,323
200	RIO RICO FIRE DISTRICT	29	1,505,344	-	-	-	-	3	10,573
201	TRI-CITY FIRE DISTRICT	19	1,001,206	-	-	-	-	3	36,582
202	MARICOPA COUNTY PARK RANGERS	-	-	4	162,896	-	-	1	48,265
203	VERDE VALLEY FIRE DISTRICT	26	1,789,178	2	81,501	-	-	1	39,882
204	ARIZONA STATE PARK RANGERS	37	1,681,302	8	314,123	4	102,657	3	105,744
205	LINDEN FIRE DISTRICT	10	450,623	-	-	-	-	-	-
206	HUALAPAI INDIAN TRIBE POLICE DEPT	12	723,741	-	-	-	-	1	6,580
207	PINEWOOD FIRE DISTRICT	14	974,137	3	143,479	-	-	-	-
208	RINCON VALLEY FIRE DISTRICT	34	1,723,337	-	-	-	-	3	15,519
209	TONOPAH FIRE DISTRICT	8	307,358	-	-	-	-	3	12,720
210	JEROME POLICE DEPARTMENT	2	87,560	-	-	-	-	1	24,563
211	FORT MOJAVE TRIBAL POLICE DEPT.	19	1,421,195	-	-	-	-	4	19,744
212	BUCKEYE VALLEY FIRE DISTRICT	70	3,968,564	-	-	-	-	3	2,001
213	ELOY FIRE DISTRICT	25	1,537,254	-	-	-	-	-	-
214	PASCUA YAQUI TRIBE FIRE DEPT.	23	1,281,122	1	43,490	-	-	2	22,613
215	PASCUA YAQUI TRIBE POLICE DEPT.	26	1,710,278	2	42,280	-	-	5	9,428
216	TOWN OF SUPERIOR (FIRE DEPT)	7	272,927	-	-	-	-	-	-

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	Number of Actives	Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of DROP	Annual DROP Benefits	Number of Vested Inactive	Annual Vested Benefits
217	WICKENBURG FIRE DEPARTMENT	10	419,325	-	-	-	-	-	-
219	BLACK CANYON FIRE DISTRICT	8	371,526	-	-	-	-	2	13,081
220	GRAHAM COUNTY ATTORNEY INVEST.	-	-	-	-	-	-	-	-
221	QUARTZSITE FIRE DISTRICT	8	402,479	-	-	-	-	2	8,373
222	RIO VERDE FIRE DISTRICT	15	1,039,693	-	-	-	-	1	7,659
223	SCOTTSDALE FIRE DEPARTMENT	236	17,606,685	1	30,567	1	84,387	2	14,846
224	AK CHIN INDIAN COMM. FIRE DEPT.	26	1,405,746	4	112,124	-	-	1	4,731
225	AK CHIN INDIAN COMM. POLICE DEPT.	17	1,012,135	1	55,708	-	-	2	1,930
226	CORONA DE TUCSON FIRE DISTRICT	18	886,091	1	36,627	-	-	1	1,937
227	GOLDEN SHORES FIRE DISTRICT	5	348,504	-	-	-	-	1	32,804
228	MARICOPA FIRE DISTRICT	59	4,256,327	-	-	-	-	1	36
229	CAVE CREEK MARSHALS	1	82,140	-	-	-	-	-	-
231	SAN CARLOS TRIBAL POLICE	18	1,239,234	-	-	-	-	-	-
232	GROOM CREEK FIRE DISTRICT	8	399,890	-	-	-	-	2	6,126
233	MOUNT LEMMON FIRE DISTRICT	5	199,914	-	-	-	-	2	16,574
234	YAVAPAI PRESCOTT TRIBAL POLICE	6	315,919	-	-	-	-	3	51,988
235	TOHONO O'ODHAM NATION FIRE	45	2,581,533	-	-	-	-	3	19,007
236	TOHONO O'ODHAM NATION POLICE	78	5,118,058	2	78,653	-	-	2	9,406
237	WILLIAMSON VALLEY FIRE DISTRICT	7	328,411	-	-	-	-	2	1,232
238	HARQUAHALA FIRE DISTRICT	15	689,693	-	-	-	-	6	22,120
239	COOLIDGE FIRE DEPARTMENT	3	155,457	-	-	-	-	1	3,597
240	CLARKDALE FIRE DISTRICT	9	446,487	-	-	-	-	2	9,086
241	WITTMAN FIRE DISTRICT	10	459,094	-	-	-	-	-	-
242	CENTRAL ARIZONA COLLEGE POLICE	6	294,976	1	38,945	-	-	-	-
243	CITY OF MARICOPA POLICE	50	3,403,393	-	-	-	-	1	898
244	ORACLE FIRE DISTRICT	5	215,373	-	-	-	-	3	9,945
245	BENSON FIRE DEPARTMENT	1	66,536	-	-	-	-	-	-
246	DESERT HILLS FIRE DEPARTMENT	21	970,417	1	21,101	-	-	-	-
247	QUEEN CREEK FIRE DEPARTMENT	29	1,966,967	1	42,278	-	-	1	900
248	SONOITA ELGIN FIRE DEPARTMENT	8	321,389	-	-	-	-	4	4,142
249	CHRISTOPHER-KOHL'S FIRE DISTRICT	7	312,662	-	-	-	-	2	7,600
250	WHETSTONE FIRE DISTRICT	6	212,863	-	-	-	-	-	-
251	QUEEN VALLEY FIRE DISTRICT	3	121,073	-	-	-	-	-	-
252	LAKE MOHAVE RANCHOS FIRE DISTRICT	16	744,773	-	-	-	-	1	4,282
	TOTAL	19,468	1,400,543,761	8,954	410,590,518	1,093	62,066,443	1,106	15,069,938

APPENDIX III

SUMMARY OF LIABILITIES AND ASSET INFORMATION BY INDIVIDUAL EMPLOYERS

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	Total AAL	Total Assets	Reserve for future Pension Increases	Net Assets	Funded Percent	Unfunded Liability
1	BISBEE FIRE DEPARTMENT	8,445,872	2,565,809	-	2,565,809	30.40%	5,880,063
2	CASA GRANDE FIRE DEPARTMENT	15,987,652	10,313,558	505,891	9,807,667	61.30%	6,179,985
3	CASA GRANDE POLICE DEPARTMENT	27,795,440	16,045,271	482,680	15,562,591	56.00%	12,232,849
4	CHANDLER FIRE DEPARTMENT	68,710,372	58,384,219	3,751,127	54,633,092	79.50%	14,077,280
5	CHANDLER POLICE DEPARTMENT	113,200,785	86,523,973	5,441,925	81,082,048	71.60%	32,118,737
6	CLIFTON FIRE DEPARTMENT	328,752	249,202	-	249,202	75.80%	79,550
7	DEPARTMENT OF PUBLIC SAFETY	751,811,847	469,880,313	11,182,415	458,697,898	61.00%	293,113,949
8	DOUGLAS FIRE DEPARTMENT	10,319,153	5,036,495	-	5,036,495	48.80%	5,282,658
9	DOUGLAS POLICE DEPARTMENT	13,891,089	7,498,002	-	7,498,002	54.00%	6,393,087
10	FLAGSTAFF FIRE DEPARTMENT	49,493,929	33,607,972	1,002,137	32,605,835	65.90%	16,888,094
11	FLAGSTAFF POLICE DEPARTMENT	42,400,745	24,686,955	724,679	23,962,276	56.50%	18,438,469
12	GLENDALE FIRE DEPARTMENT	93,000,386	77,082,364	4,695,603	72,386,761	77.80%	20,613,625
13	GLENDALE POLICE DEPARTMENT	145,797,483	96,222,997	4,731,212	91,491,785	62.80%	54,305,698
14	GLOBE FIRE DEPARTMENT	5,715,484	3,554,554	127,686	3,426,868	60.00%	2,288,616
15	KINGMAN FIRE DEPARTMENT	16,091,582	12,344,874	708,560	11,636,314	72.30%	4,455,268
16	MARICOPA COUNTY SHERIFF'S OFFICE	288,519,917	195,296,024	7,552,652	187,743,372	65.10%	100,776,545
17	MESA FIRE DEPARTMENT	211,840,704	165,934,150	9,091,161	156,842,989	74.00%	54,997,715
18	MESA POLICE DEPARTMENT	369,998,464	270,908,848	13,882,839	257,026,009	69.50%	112,972,455
19	MIAMI FIRE DEPARTMENT	-	364,193	5,965	358,228	0.00%	(358,228)
20	NOGALES FIRE DEPARTMENT	12,049,539	7,916,440	369,946	7,546,494	62.60%	4,503,045
21	PHOENIX FIRE DEPARTMENT	1,005,764,800	702,761,538	37,619,942	665,141,596	66.10%	340,623,204
22	PHOENIX POLICE DEPARTMENT	1,827,345,716	1,229,976,856	58,056,985	1,171,919,870	64.10%	655,425,846
23	PRESOTT FIRE DEPARTMENT	33,589,976	19,800,984	682,857	19,118,127	56.90%	14,471,849
24	PRESOTT POLICE DEPARTMENT	32,239,139	14,401,057	96,092	14,304,965	44.40%	17,934,174
25	SCOTTSDALE POLICE DEPARTMENT	172,971,895	131,213,089	7,119,935	124,093,154	71.70%	48,878,741
26	SIERRA VISTA FIRE DEPARTMENT	16,196,116	12,717,166	611,114	12,106,052	74.70%	4,090,064
27	TEMPE FIRE DEPARTMENT	105,340,966	74,009,900	3,141,791	70,868,109	67.30%	34,472,857
28	TEMPE POLICE DEPARTMENT	169,434,780	100,917,503	4,452,106	96,465,397	56.90%	72,969,383
29	TUCSON FIRE DEPARTMENT	357,338,819	226,313,511	8,817,530	217,495,981	60.90%	139,842,838
30	TUCSON POLICE DEPARTMENT	561,430,996	356,179,631	12,150,433	344,029,198	61.30%	217,401,798
31	WINSLOW FIRE DEPARTMENT	2,162,442	5,741,861	161,582	5,580,279	258.10%	(3,417,837)
32	YUMA FIRE DEPARTMENT	49,628,356	30,310,745	920,996	29,389,749	59.20%	20,238,607
33	YUMA POLICE DEPARTMENT	59,893,145	43,246,907	1,483,291	41,763,616	69.70%	18,129,529
34	YUMA COUNTY SHERIFF'S DEPARTMENT	22,046,757	14,186,727	319,070	13,867,657	62.90%	8,179,100
35	GAME AND FISH DEPARTMENT	79,467,544	37,672,342	24,612	37,647,730	47.40%	41,819,814
36	SIERRA VISTA POLICE DEPARTMENT	23,320,533	14,711,756	581,868	14,129,888	60.60%	9,190,645
37	BENSON POLICE DEPARTMENT	2,706,640	1,734,231	63,579	1,670,652	61.70%	1,035,988
38	BISBEE POLICE DEPARTMENT	6,363,518	2,334,384	33,094	2,301,290	36.20%	4,062,228
39	PIMA COUNTY SHERIFF'S DEPARTMENT	227,905,098	149,146,506	3,758,200	145,388,306	63.80%	82,516,792
40	KINGMAN POLICE DEPARTMENT	15,387,011	11,185,427	477,882	10,707,545	69.60%	4,679,466
41	ASU CAMPUS POLICE	20,414,237	15,269,812	434,826	14,834,986	72.70%	5,579,251
42	LAKE HAVASU CITY FIRE DEPARTMENT	31,646,973	21,866,779	1,149,191	20,717,588	65.50%	10,929,385
43	MOHAVE COUNTY SHERIFF'S DEPT.	26,329,282	19,387,016	657,771	18,729,245	71.10%	7,600,037
44	BULLHEAD CITY FIRE DEPARTMENT	26,098,141	22,166,078	1,332,319	20,833,759	79.80%	5,264,382
45	U OF A CAMPUS POLICE DEPARTMENT	16,060,956	10,595,134	372,933	10,222,201	63.60%	5,838,755
46	COCHISE COUNTY SHERIFF'S DEPT	28,159,660	14,002,055	-	14,002,055	49.70%	14,157,605
47	SAFFORD POLICE DEPARTMENT	8,624,000	4,352,157	123,339	4,228,818	49.00%	4,395,182
49	DREXEL HEIGHTS FIRE DISTRICT	15,385,833	14,344,017	981,760	13,362,257	86.80%	2,023,576
50	WINSLOW POLICE DEPARTMENT	6,062,643	4,843,615	163,460	4,680,155	77.20%	1,382,488
51	PA YSON FIRE DEPARTMENT	6,586,604	4,790,885	331,978	4,458,907	67.70%	2,127,697

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	Total AAL	Total Assets	Reserve for future Pension Increases	Net Assets	Funded Percent	Unfunded Liability
52	PA YSON POLICE DEPARTMENT	11,008,680	5,762,059	181,154	5,580,905	50.70%	5,427,775
53	HUALAPAI VALLEY FIRE DISTRICT	4,041,540	2,975,408	275,471	2,699,937	66.80%	1,341,603
54	FRY FIRE DISTRICT	13,040,575	7,852,852	186,072	7,666,780	58.80%	5,373,795
55	FREDONIA MARSHALS	400,543	492,796	32,427	460,369	114.90%	(59,826)
56	NAU CAMPUS POLICE	6,789,096	3,712,668	-	3,712,668	54.70%	3,076,428
58	SOUTH TUCSON FIRE DEPARTMENT	2,546,912	1,853,219	51,105	1,802,114	70.80%	744,798
59	AVONDALE FIRE DEPARTMENT	11,969,718	11,249,690	900,669	10,349,021	86.50%	1,620,697
60	PARKER POLICE DEPARTMENT	2,080,641	1,802,499	22,097	1,780,402	85.60%	300,239
61	COCONINO COUNTY SHERIFF'S DEPT	27,850,835	12,801,601	104,107	12,697,494	45.60%	15,153,341
62	CENTRAL YAVAPAI FIRE DISTRICT	28,341,440	21,638,459	1,260,685	20,377,774	71.90%	7,963,666
64	BUCKSKIN FIRE DISTRICT	4,018,644	1,824,791	-	1,824,791	45.40%	2,193,853
65	SNOWFLAKE POLICE DEPARTMENT	2,914,856	1,780,354	52,176	1,728,178	59.30%	1,186,678
66	COTTONWOOD POLICE DEPARTMENT	7,774,632	3,849,562	87,750	3,761,812	48.40%	4,012,820
67	LAKE HAVASU CITY POLICE DEPT.	29,753,828	20,012,952	1,068,616	18,944,336	63.70%	10,809,492
69	SOUTH TUCSON POLICE DEPARTMENT	5,790,382	940,687	-	940,687	16.20%	4,849,695
70	APACHE JUNCTION POLICE DEPARTMENT	20,351,263	11,770,068	402,508	11,367,560	55.90%	8,983,703
71	NAVAJO COUNTY SHERIFF'S DEPT.	11,690,073	6,141,516	-	6,141,516	52.50%	5,548,557
72	MOHAVE VALLEY FIRE DISTRICT	4,070,256	4,468,129	324,834	4,143,295	101.80%	(73,039)
73	PEORIA FIRE DEPARTMENT	38,389,257	34,778,890	2,235,512	32,543,378	84.80%	5,845,879
74	PEORIA POLICE DEPARTMENT	55,424,135	41,166,145	2,249,010	38,917,135	70.20%	16,507,000
76	PARADISE VALLEY POLICE DEPARTMENT	20,166,480	9,340,348	201,834	9,138,514	45.30%	11,027,966
77	WILLCOX POLICE DEPARTMENT	3,072,203	1,872,510	-	1,872,510	61.00%	1,199,693
78	SHOW LOW POLICE DEPARTMENT	7,100,773	5,444,779	170,367	5,274,412	74.30%	1,826,361
79	ELOY POLICE DEPARTMENT	6,198,654	5,148,122	321,062	4,827,060	77.90%	1,371,594
80	NOGALES POLICE DEPARTMENT	14,930,447	10,711,305	406,409	10,304,896	69.00%	4,625,551
81	GILBERT POLICE DEPARTMENT	46,803,626	38,590,912	2,826,873	35,764,039	76.40%	11,039,587
83	CLIFTON POLICE DEPARTMENT	271,660	492,388	-	492,388	181.30%	(220,728)
85	COOLIDGE POLICE DEPARTMENT	6,874,287	4,791,384	137,217	4,654,167	67.70%	2,220,120
86	HOLBROOK POLICE DEPARTMENT	4,939,615	2,264,752	-	2,264,752	45.80%	2,674,863
87	SANTA CRUZ COUNTY SHERIFF'S DEPT.	10,358,986	5,615,075	123,335	5,491,740	53.00%	4,867,246
88	PRESCOTT VALLEY POLICE DEPARTMENT	12,308,896	10,362,738	734,653	9,628,085	78.20%	2,680,811
89	EAGAR POLICE DEPARTMENT	2,178,087	1,661,274	44,614	1,616,660	74.20%	561,427
90	TOLLESON POLICE DEPARTMENT	6,252,155	4,061,743	152,055	3,909,688	62.50%	2,342,467
91	FLORENCE POLICE DEPARTMENT	3,365,188	3,663,052	219,841	3,443,211	102.30%	(78,023)
92	SPRINGVILLE POLICE DEPARTMENT	1,531,613	1,480,996	80,846	1,400,150	91.40%	131,463
93	EL MIRAGE POLICE DEPARTMENT	7,650,372	4,970,264	259,692	4,710,572	61.60%	2,939,800
94	SUPERIOR POLICE DEPARTMENT	1,032,088	908,304	1,791	906,513	87.80%	125,575
95	SAN LUIS POLICE DEPARTMENT	4,562,053	3,904,373	259,930	3,644,443	79.90%	917,610
96	PAGE POLICE DEPARTMENT	4,637,345	3,572,754	91,573	3,481,181	75.10%	1,156,164
97	PAGE FIRE DEPARTMENT	1,270,992	968,757	74,345	894,412	70.40%	376,580
98	YAVAPAI COUNTY SHERIFF'S DEPT.	33,466,737	19,681,065	594,037	19,087,028	57.00%	14,379,709
100	PIMA POLICE DEPARTMENT	100,322	287,485	19,425	268,060	267.20%	(167,738)
101	APACHE COUNTY SHERIFF'S DEPT.	9,167,862	3,726,840	-	3,726,840	40.70%	5,441,022
102	COTTONWOOD FIRE DEPARTMENT	3,249,267	2,811,840	148,574	2,663,266	82.00%	586,001
103	LA PAZ COUNTY SHERIFF'S DEPT.	10,738,464	6,529,751	175,592	6,354,159	59.20%	4,384,305
104	PINAL COUNTY SHERIFF'S DEPARTMENT	51,915,658	37,405,418	1,727,780	35,677,638	68.70%	16,238,020
105	CLARKDALE POLICE DEPARTMENT	2,003,291	1,888,757	100,580	1,788,177	89.30%	215,114
106	BUCKEYE POLICE DEPARTMENT	10,219,095	9,739,372	669,640	9,069,732	88.80%	1,149,363
107	MARANA POLICE DEPARTMENT	14,412,455	11,366,276	820,730	10,545,546	73.20%	3,866,909
108	TOLLESON FIRE DEPARTMENT	5,350,626	5,137,643	388,444	4,749,199	88.80%	601,427

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	Total AAL	Total Assets	Reserve for future Pension Increases	Net Assets	Funded Percent	Unfunded Liability
109	CHINO VALLEY POLICE DEPARTMENT	4,349,795	4,035,847	225,436	3,810,411	87.60%	539,384
110	SURPRISE POLICE DEPARTMENT	20,116,789	17,308,330	1,398,256	15,910,074	79.10%	4,206,715
111	WELLTON POLICE	669,391	376,467	55,441	321,026	48.00%	348,365
112	GILA COUNTY SHERIFF'S DEPARTMENT	11,036,155	6,774,698	82,896	6,691,802	60.60%	4,344,353
113	PINETOP-LAKESIDE POLICE DEPT.	3,947,961	2,119,377	417	2,118,960	53.70%	1,829,001
114	BULLHEAD CITY POLICE DEPARTMENT	25,802,103	19,565,621	998,227	18,567,394	72.00%	7,234,709
115	WILLIAMS POLICE DEPARTMENT	1,508,800	1,485,878	36,334	1,449,544	96.10%	59,256
116	MIAMI POLICE DEPARTMENT	1,127,333	756,603	-	756,603	67.10%	370,730
117	THATCHER POLICE DEPARTMENT	3,884,230	2,403,632	-	2,403,632	61.90%	1,480,598
118	YOUNGTOWN POLICE DEPARTMENT	1,643,280	1,405,092	28,757	1,376,335	83.80%	266,945
119	DEPARTMENT OF EMER & MILITARY AFF	9,789,926	7,393,102	271,013	7,122,089	72.70%	2,667,837
120	SURPRISE FIRE DEPARTMENT	17,923,835	17,406,591	1,582,721	15,823,870	88.30%	2,099,965
121	CAMP VERDE MARSHALS	3,068,027	2,601,333	146,995	2,454,338	80.00%	613,689
122	ORO VALLEY POLICE DEPARTMENT	22,512,625	18,180,832	1,027,926	17,152,906	76.20%	5,359,719
123	GREENLEE COUNTY SHERIFF'S DEPT.	3,131,389	2,863,212	69,886	2,793,326	89.20%	338,063
124	TUCSON AIRPORT AUTHORITY FIRE DPT	10,303,926	6,217,410	240,213	5,977,197	58.00%	4,326,729
125	TUCSON AIRPORT AUTHORITY POLICE	10,335,390	4,815,214	37,379	4,777,835	46.20%	5,557,555
126	WICKENBURG POLICE DEPARTMENT	3,382,810	2,057,744	90,076	1,967,668	58.20%	1,415,142
127	EL MIRAGE FIRE DEPARTMENT	2,453,145	2,484,163	219,806	2,264,357	92.30%	188,788
128	PATAGONIA MARSHALS	393,758	462,390	-	462,390	117.40%	(68,632)
129	SEDONA POLICE DEPARTMENT	5,496,582	5,158,538	316,643	4,841,895	88.10%	654,687
130	MAMMOTH POLICE DEPARTMENT	391,572	317,593	29,088	288,505	73.70%	103,067
131	GLOBE POLICE DEPARTMENT	6,708,738	3,739,516	6,424	3,733,092	55.60%	2,975,646
132	TOMBSTONE MARSHALS DEPARTMENT	360,684	637,526	48,379	589,147	163.30%	(228,463)
133	GOLDER RANCH FIRE DISTRICT	17,165,121	15,453,734	1,354,749	14,098,985	82.10%	3,066,136
134	FORT MOJAVE MESA FIRE DISTRICT	9,588,910	6,837,394	416,050	6,421,344	67.00%	3,167,566
136	GOODYEAR FIRE DEPARTMENT	11,723,950	13,039,968	1,329,620	11,710,348	99.90%	13,602
137	GOODYEAR POLICE DEPARTMENT	17,095,712	14,733,112	1,078,225	13,654,887	79.90%	3,440,825
138	CHINO VALLEY FIRE DISTRICT	6,374,544	5,947,513	484,917	5,462,596	85.70%	911,948
139	AVONDALE POLICE DEPARTMENT	16,923,252	13,552,265	944,494	12,607,771	74.50%	4,315,481
140	GRAHAM COUNTY SHERIFF'S DEPT.	3,904,917	2,555,254	99,040	2,456,214	62.90%	1,448,703
142	GOLDEN VALLEY FIRE DISTRICT	3,048,640	2,584,610	148,524	2,436,086	79.90%	612,554
143	DAISY MOUNTAIN FIRE DISTRICT	11,844,902	11,887,918	1,201,914	10,686,004	90.20%	1,158,898
144	QUARTZSITE POLICE DEPARTMENT	1,769,771	2,249,833	144,626	2,105,207	119.00%	(335,436)
145	PICTURE ROCKS FIRE DISTRICT	2,971,651	3,332,520	192,528	3,139,992	105.70%	(168,341)
146	PIMA COUNTY COMM. COLLEGE POLICE	6,396,341	4,690,282	156,690	4,533,592	70.90%	1,862,749
147	NORTHWEST FIRE DISTRICT	35,419,439	31,478,256	2,522,994	28,955,262	81.70%	6,464,177
148	APACHE JUNCTION FIRE DISTRICT	19,316,051	17,078,562	1,220,808	15,857,754	82.10%	3,458,297
149	GILBERT FIRE DEPARTMENT	23,602,549	26,378,278	2,509,228	23,869,050	101.10%	(266,501)
150	PINE-STRAWBERRY FIRE DISTRICT	4,533,725	3,279,910	221,748	3,058,162	67.50%	1,475,563
151	ATTORNEY GENERAL INVESTIGATORS	13,127,771	6,154,686	-	6,154,686	46.90%	6,973,085
153	ST. JOHNS POLICE DEPARTMENT	919,858	1,036,619	55,935	980,684	106.60%	(60,826)
154	PIMA COUNTY ATTORNEY INVESTIGATOR	2,999,116	2,296,744	108,519	2,188,225	73.00%	810,891
155	SUN LAKES FIRE DISTRICT	10,134,846	9,309,064	614,000	8,695,064	85.80%	1,439,782
156	KEARNY POLICE DEPARTMENT	1,490,780	1,243,662	-	1,243,662	83.40%	247,118
157	GREENLEE CNTY ATTY INVESTIGATORS	-	43,613	714	42,899	0.00%	(42,899)
158	NAVAJO COUNTY ATTY'S INVESTIGATOR	343,892	174,924	-	174,924	50.90%	168,968
160	ARIZONA STATE CAPITOL POLICE	3,717,571	3,486,213	149,654	3,336,559	89.80%	381,012
162	AVRA VALLEY FIRE DISTRICT	1,271,243	2,289,062	133,405	2,155,657	169.60%	(884,414)
163	SAN LUIS FIRE DEPARTMENT	1,859,772	2,262,265	210,313	2,051,952	110.30%	(192,180)

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	Total AAL	Total Assets	Reserve for future Pension Increases	Net Assets	Funded Percent	Unfunded Liability
164	AZ DPT. LIQ. LIC. & CONTROL INVST	6,350,197	3,827,165	-	3,827,165	60.30%	2,523,032
165	MARICOPA CNTY ATTY INVESTIGATORS	8,091,164	4,319,676	-	4,319,676	53.40%	3,771,488
166	SEDONA FIRE DISTRICT	17,746,884	13,386,449	1,127,895	12,258,554	69.10%	5,488,330
167	GUADALUPE FIRE DEPARTMENT	1,201,213	739,415	67,500	671,915	55.90%	529,298
168	MAYER FIRE DISTRICT	1,748,139	1,981,116	131,254	1,849,862	105.80%	(101,723)
169	SOMERTON POLICE DEPARTMENT	2,992,724	2,520,962	188,058	2,332,904	78.00%	659,820
170	SUN CITY WEST FIRE DISTRICT	17,580,434	12,317,873	851,467	11,466,406	65.20%	6,114,028
171	SOMERTON FIRE DEPARTMENT	2,016,912	1,840,311	186,791	1,653,520	82.00%	363,392
172	TUBAC FIRE DISTRICT	3,170,668	2,777,165	191,157	2,586,008	81.60%	584,660
173	LA PAZ COUNTY ATTY. INVESTIGATORS	280,191	269,394	14,637	254,757	90.90%	25,434
174	SAHUARITA POLICE DEPARTMENT	4,015,338	4,479,723	343,507	4,136,216	103.00%	(120,878)
176	FLORENCE FIRE DEPARTMENT	1,014,218	1,488,581	177,619	1,310,962	129.30%	(296,744)
177	SUN CITY FIRE DISTRICT	27,374,224	17,859,991	1,485,620	16,374,371	59.80%	10,999,853
178	HA YDEN POLICE DEPARTMENT	277,855	1,031,137	42,073	989,064	356.00%	(711,209)
179	GILA RIVER FIRE DEPARTMENT	6,657,077	6,430,469	739,855	5,690,614	85.50%	966,463
180	GILA RIVER POLICE DEPARTMENT	9,240,931	9,749,466	858,143	8,891,323	96.20%	349,608
181	SALT RIVER PIMA-MARICOPA FIRE	15,798,364	13,624,250	1,189,161	12,435,089	78.70%	3,363,275
182	SALT RIVER PIMA-MARICOPA POLICE	16,542,677	13,146,331	1,262,828	11,883,503	71.80%	4,659,174
183	LAKESIDE FIRE DISTRICT	2,070,809	2,251,744	194,974	2,056,770	99.30%	14,039
185	PINETOP FIRE DISTRICT	4,789,455	3,128,114	242,100	2,886,014	60.30%	1,903,441
186	SHOW LOW FIRE DISTRICT	3,114,364	3,244,816	284,871	2,959,945	95.00%	154,419
187	YA VAPAI CNTY ATTRNY INVESTIGATORS	728,202	176,678	-	176,678	24.30%	551,524
188	THREE POINTS FIRE DISTRICT	1,501,279	1,277,422	134,167	1,143,255	76.20%	358,024
190	BUCKEYE FIRE DEPARTMENT	6,078,114	7,635,722	860,480	6,775,242	111.50%	(697,128)
191	MONTEZUMA RIMROCK FIRE DISTRICT	1,425,480	1,103,789	85,739	1,018,050	71.40%	407,430
192	HEBER-OVERGAARD FIRE DISTRICT	736,835	1,005,985	106,041	899,944	122.10%	(163,109)
193	DIAMOND STAR FIRE DISTRICT (HELLSGATE)	1,082,900	1,008,524	89,315	919,209	84.90%	163,691
194	GREEN VALLEY FIRE DISTRICT	11,744,121	10,196,794	878,295	9,318,499	79.30%	2,425,622
195	SUMMIT FIRE DISTRICT	5,484,927	5,324,456	445,458	4,878,998	89.00%	605,929
196	CAMP VERDE FIRE DISTRICT	3,212,893	3,051,357	299,077	2,752,280	85.70%	460,613
197	FORT MCDOWELL TRIBAL FIRE DEPT.	779,549	1,054,751	101,709	953,042	122.30%	(173,493)
198	FORT MCDOWELL TRIBAL POLICE DEPT.	2,369,889	2,389,540	207,378	2,182,162	92.10%	187,727
199	HIGHLANDS FIRE DISTRICT	3,814,046	2,838,168	258,504	2,579,664	67.60%	1,234,382
200	RIO RICO FIRE DISTRICT	1,771,144	1,865,861	230,578	1,635,283	92.30%	135,861
201	TRI-CITY FIRE DISTRICT	1,220,796	1,332,965	133,440	1,199,525	98.30%	21,271
202	MARICOPA COUNTY PARK RANGERS	1,832,869	455,628	-	455,628	24.90%	1,377,241
203	VERDE VALLEY FIRE DISTRICT	5,032,127	4,641,851	297,852	4,343,999	86.30%	688,128
204	ARIZONA STATE PARK RANGERS	10,532,105	9,213,478	558,239	8,655,239	82.20%	1,876,866
205	LINDEN FIRE DISTRICT	350,823	431,112	56,098	375,014	106.90%	(24,191)
206	HUALAPAI INDIAN TRIBE POLICE DEPT	544,544	676,678	75,249	601,429	110.40%	(56,885)
207	PINEWOOD FIRE DISTRICT	2,574,949	1,458,702	102,505	1,356,197	52.70%	1,218,752
208	RINCON VALLEY FIRE DISTRICT	2,357,207	2,194,010	255,724	1,938,286	82.20%	418,921
209	TONOPAH FIRE DISTRICT	267,267	368,537	37,245	331,292	124.00%	(64,025)
210	JEROME POLICE DEPARTMENT	135,864	201,973	16,647	185,326	136.40%	(49,462)
211	FORT MOJAVE TRIBAL POLICE DEPT.	802,626	1,217,420	152,720	1,064,700	132.70%	(262,074)
212	BUCKEYE VALLEY FIRE DISTRICT	3,686,656	3,773,767	460,515	3,313,252	89.90%	373,404
213	ELOY FIRE DISTRICT	2,318,662	1,705,462	211,963	1,493,499	64.40%	825,163
214	PASCUA YAQUI TRIBE FIRE DEPT.	3,303,690	2,040,073	237,890	1,802,183	54.60%	1,501,507
215	PASCUA YAQUI TRIBE POLICE DEPT.	4,026,899	2,692,398	207,526	2,484,872	61.70%	1,542,027
216	TOWN OF SUPERIOR (FIRE DEPT)	283,119	322,714	38,151	284,563	100.50%	(1,444)

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	Total AAL	Total Assets	Reserve for future Pension Increases	Net Assets	Funded Percent	Unfunded Liability
217	WICKENBURG FIRE DEPARTMENT	468,252	487,961	59,996	427,965	91.40%	40,287
219	BLACK CANYON FIRE DISTRICT	385,793	417,082	58,480	358,602	93.00%	27,191
220	GRAHAM COUNTY ATTORNEY INVEST.	-	55,052	902	54,150	0.00%	(54,150)
221	QUARTZSITE FIRE DISTRICT	595,692	522,054	67,232	454,822	76.40%	140,870
222	RIO VERDE FIRE DISTRICT	2,586,102	2,180,777	187,480	1,993,297	77.10%	592,805
223	SCOTTSDALE FIRE DEPARTMENT	20,450,187	28,403,043	2,734,709	25,668,334	125.50%	(5,218,147)
224	AK CHIN INDIAN COMM. FIRE DEPT.	3,369,735	3,273,716	126,702	3,147,014	93.40%	222,721
225	AK CHIN INDIAN COMM. POLICE DEPT.	1,500,251	1,604,860	79,540	1,525,320	101.70%	(25,069)
226	CORONA DE TUCSON FIRE DISTRICT	1,604,463	996,957	107,779	889,178	55.40%	715,285
227	GOLDEN SHORES FIRE DISTRICT	564,771	694,133	67,488	626,645	111.00%	(61,874)
228	MARICOPA FIRE DISTRICT	5,013,158	5,334,247	612,395	4,721,852	94.20%	291,306
229	CA VE CREEK MARSHALS	107,520	108,914	18,643	90,271	84.00%	17,249
231	SAN CARLOS TRIBAL POLICE	2,116,761	1,082,029	106,471	975,558	46.10%	1,141,203
232	GROOM CREEK FIRE DISTRICT	326,008	338,886	43,938	294,948	90.50%	31,060
233	MOUNT LEMMON FIRE DISTRICT	244,169	399,969	64,801	335,168	137.30%	(90,999)
234	YA VAPAI PRESCOTT TRIBAL POLICE	229,165	354,161	34,951	319,210	139.30%	(90,045)
235	TOHONO O'ODHAM NATION FIRE	3,503,240	3,447,837	346,643	3,101,194	88.50%	402,046
236	TOHONO O'ODHAM NATION POLICE	11,803,443	11,580,353	794,250	10,786,103	91.40%	1,017,340
237	WILLIAMSON VALLEY FIRE DISTRICT	423,796	376,894	28,597	348,297	82.20%	75,499
238	HARQUAHALA FIRE DISTRICT	539,577	718,497	61,256	657,241	121.80%	(117,664)
239	COOLIDGE FIRE DEPARTMENT	85,915	155,988	24,525	131,463	153.00%	(45,548)
240	CLARKDALE FIRE DISTRICT	296,423	302,168	29,820	272,348	91.90%	24,075
241	WITTMAN FIRE DISTRICT	275,349	253,858	29,031	224,827	81.70%	50,522
242	CENTRAL ARIZONA COLLEGE POLICE	578,524	425,636	2,479	423,157	73.10%	155,367
243	CITY OF MARICOPA POLICE	4,284,858	4,078,878	373,116	3,705,762	86.50%	579,096
244	ORACLE FIRE DISTRICT	161,587	164,741	24,818	139,923	86.60%	21,664
245	BENSON FIRE DEPARTMENT	356,368	307,426	14,749	292,677	82.10%	63,691
246	DESERT HILLS FIRE DEPARTMENT	1,291,012	645,885	96,112	549,773	42.60%	741,239
247	QUEEN CREEK FIRE DEPARTMENT	1,259,163	1,069,287	190,356	878,931	69.80%	380,232
248	SONOITA ELGIN FIRE DEPARTMENT	240,771	193,049	2,501	190,548	79.10%	50,223
249	CHRISTOPHER-KOHL'S FIRE DISTRICT	319,066	257,515	2,985	254,530	79.80%	64,536
250	WHETSTONE FIRE DISTRICT	137,207	149,284	2,190	147,094	107.20%	(9,887)
251	QUEEN VALLEY FIRE DISTRICT	121,665	80,497	756	79,741	65.50%	41,924
252	LAKE MOHAVE RANCHOS FIRE DISTRICT	948,038	248,247	2,161	246,086	26.00%	701,952
	TOTAL	8,491,822,391	5,866,593,318	275,289,327	5,591,303,990		2,900,518,401

APPENDIX IV

SUMMARY OF CONTRIBUTION INFORMATION BY INDIVIDUAL EMPLOYERS

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	ER NC%	UAL Pmt %	Calculated ER Cont	Required ER Cont
1	BISBEE FIRE DEPARTMENT	11.12%	37.89%	49.01%	49.01%
2	CASA GRANDE FIRE DEPARTMENT	10.59%	7.31%	17.90%	17.90%
3	CASA GRANDE POLICE DEPARTMENT	11.64%	12.16%	23.80%	23.80%
4	CHANDLER FIRE DEPARTMENT	11.47%	4.63%	16.10%	16.10%
5	CHANDLER POLICE DEPARTMENT	11.87%	6.22%	18.09%	18.09%
6	CLIFTON FIRE DEPARTMENT	0.00%	0.00%	0.00%	5.00%
7	DEPARTMENT OF PUBLIC SAFETY	12.79%	20.51%	33.30%	33.30%
8	DOUGLAS FIRE DEPARTMENT	12.33%	22.90%	35.23%	35.23%
9	DOUGLAS POLICE DEPARTMENT	12.05%	17.80%	29.85%	29.85%
10	FLAGSTAFF FIRE DEPARTMENT	12.89%	18.39%	31.28%	31.28%
11	FLAGSTAFF POLICE DEPARTMENT	11.05%	13.49%	24.54%	24.54%
12	GLENDALE FIRE DEPARTMENT	12.51%	6.15%	18.66%	18.66%
13	GLENDALE POLICE DEPARTMENT	11.58%	9.67%	21.25%	21.25%
14	GLOBE FIRE DEPARTMENT	12.88%	12.67%	25.55%	25.55%
15	KINGMAN FIRE DEPARTMENT	12.23%	7.41%	19.64%	19.64%
16	MARICOPA COUNTY SHERIFF'S OFFICE	12.91%	12.22%	25.13%	25.13%
17	MESA FIRE DEPARTMENT	12.67%	10.45%	23.12%	23.12%
18	MESA POLICE DEPARTMENT	13.12%	10.22%	23.34%	23.34%
19	MIAMI FIRE DEPARTMENT	0.00%	0.00%	0.00%	5.00%
20	NOGALES FIRE DEPARTMENT	12.66%	9.28%	21.94%	21.94%
21	PHOENIX FIRE DEPARTMENT	12.49%	13.27%	25.76%	25.76%
22	PHOENIX POLICE DEPARTMENT	12.95%	12.68%	25.63%	25.63%
23	PRESCOTT FIRE DEPARTMENT	11.46%	18.26%	29.72%	29.72%
24	PRESCOTT POLICE DEPARTMENT	11.77%	22.81%	34.58%	34.58%
25	SCOTTSDALE POLICE DEPARTMENT	12.76%	7.74%	20.50%	20.50%
26	SIERRA VISTA FIRE DEPARTMENT	11.24%	7.79%	19.03%	19.03%
27	TEMPE FIRE DEPARTMENT	12.62%	14.59%	27.21%	27.21%
28	TEMPE POLICE DEPARTMENT	11.18%	13.04%	24.22%	24.22%
29	TUCSON FIRE DEPARTMENT	12.41%	18.47%	30.88%	30.88%
30	TUCSON POLICE DEPARTMENT	12.73%	18.31%	31.04%	31.04%
31	WINSLOW FIRE DEPARTMENT	10.12%	-10.12%	0.00%	5.00%
32	YUMA FIRE DEPARTMENT	13.06%	17.28%	30.34%	30.34%
33	YUMA POLICE DEPARTMENT	12.99%	9.77%	22.76%	22.76%
34	YUMA COUNTY SHERIFF'S DEPARTMENT	12.27%	7.72%	19.99%	19.99%
35	GAME AND FISH DEPARTMENT	13.17%	30.18%	43.35%	43.35%
36	SIERRA VISTA POLICE DEPARTMENT	11.41%	11.56%	22.97%	22.97%
37	BENSON POLICE DEPARTMENT	10.71%	6.58%	17.29%	17.29%
38	BISBEE POLICE DEPARTMENT	12.29%	30.49%	42.78%	42.78%
39	PIMA COUNTY SHERIFF'S DEPARTMENT	12.75%	13.32%	26.07%	26.07%
40	KINGMAN POLICE DEPARTMENT	11.79%	7.81%	19.60%	19.60%
41	ASU CAMPUS POLICE	12.37%	8.11%	20.48%	20.48%
42	LAKE HAVASU CITY FIRE DEPARTMENT	10.84%	13.41%	24.25%	24.25%
43	MOHAVE COUNTY SHERIFF'S DEPT.	11.54%	8.02%	19.56%	19.56%
44	BULLHEAD CITY FIRE DEPARTMENT	12.19%	4.63%	16.82%	16.82%
45	U OF A CAMPUS POLICE DEPARTMENT	11.88%	9.36%	21.24%	21.24%
46	COCHISE COUNTY SHERIFF'S DEPT	11.16%	15.09%	26.25%	26.25%
47	SAFFORD POLICE DEPARTMENT	12.37%	20.44%	32.81%	32.81%
49	DREXEL HEIGHTS FIRE DISTRICT	11.17%	2.02%	13.19%	13.19%
50	WINSLOW POLICE DEPARTMENT	12.55%	4.82%	17.37%	17.37%
51	PA YSON FIRE DEPARTMENT	11.07%	8.74%	19.81%	19.81%

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	ER NC%	UAL Pmt %	Calculated ER Cont	Required ER Cont
52	PAYSON POLICE DEPARTMENT	11.33%	16.52%	27.85%	27.85%
53	HUALAPAI VALLEY FIRE DISTRICT	11.02%	3.31%	14.33%	14.33%
54	FRY FIRE DISTRICT	10.62%	9.68%	20.30%	20.30%
55	FREDONIA MARSHALS	10.52%	-0.30%	10.22%	10.22%
56	NAU CAMPUS POLICE	11.69%	17.71%	29.40%	29.40%
58	SOUTH TUCSON FIRE DEPARTMENT	13.15%	10.51%	23.66%	23.66%
59	A VONDALE FIRE DEPARTMENT	11.74%	2.05%	13.79%	13.79%
60	PARKER POLICE DEPARTMENT	11.80%	3.09%	14.89%	14.89%
61	COCONINO COUNTY SHERIFF'S DEPT	11.56%	26.91%	38.47%	38.47%
62	CENTRAL YA VAPAI FIRE DISTRICT	11.72%	7.46%	19.18%	19.18%
64	BUCKSKIN FIRE DISTRICT	10.51%	14.94%	25.45%	25.45%
65	SNOWFLAKE POLICE DEPARTMENT	11.78%	8.25%	20.03%	20.03%
66	COTTONWOOD POLICE DEPARTMENT	11.19%	12.01%	23.20%	23.20%
67	LAKE HAVASU CITY POLICE DEPT.	11.63%	10.72%	22.35%	22.35%
69	SOUTH TUCSON POLICE DEPARTMENT	12.17%	41.83%	54.00%	54.00%
70	APACHE JUNCTION POLICE DEPARTMENT	11.92%	15.11%	27.03%	27.03%
71	NAVAJO COUNTY SHERIFF'S DEPT.	10.84%	13.66%	24.50%	24.50%
72	MOHAVE VALLEY FIRE DISTRICT	11.55%	0.06%	11.61%	11.61%
73	PEORIA FIRE DEPARTMENT	11.43%	2.81%	14.24%	14.24%
74	PEORIA POLICE DEPARTMENT	10.99%	6.16%	17.15%	17.15%
76	PARADISE VALLEY POLICE DEPARTMENT	12.48%	27.16%	39.64%	39.64%
77	WILLCOX POLICE DEPARTMENT	12.70%	11.09%	23.79%	23.79%
78	SHOW LOW POLICE DEPARTMENT	12.02%	5.67%	17.69%	17.69%
79	ELOY POLICE DEPARTMENT	11.66%	3.89%	15.55%	15.55%
80	NOGALES POLICE DEPARTMENT	12.00%	6.77%	18.77%	18.77%
81	GILBERT POLICE DEPARTMENT	11.29%	3.35%	14.64%	14.64%
83	CLIFTON POLICE DEPARTMENT	8.92%	-1.35%	7.57%	7.57%
85	COOLIDGE POLICE DEPARTMENT	11.02%	6.60%	17.62%	17.62%
86	HOLBROOK POLICE DEPARTMENT	11.53%	19.71%	31.24%	31.24%
87	SANTA CRUZ COUNTY SHERIFF'S DEPT.	11.58%	10.72%	22.30%	22.30%
88	PRESCOTT VALLEY POLICE DEPARTMENT	11.65%	3.44%	15.09%	15.09%
89	EAGAR POLICE DEPARTMENT	11.84%	6.31%	18.15%	18.15%
90	TOLLESON POLICE DEPARTMENT	10.84%	6.58%	17.42%	17.42%
91	FLORENCE POLICE DEPARTMENT	11.81%	-0.05%	11.76%	11.76%
92	SPRINGERVILLE POLICE DEPARTMENT	12.99%	2.02%	15.01%	15.01%
93	EL MIRAGE POLICE DEPARTMENT	11.22%	5.50%	16.72%	16.72%
94	SUPERIOR POLICE DEPARTMENT	11.93%	2.17%	14.10%	14.10%
95	SAN LUIS POLICE DEPARTMENT	11.62%	2.75%	14.37%	14.37%
96	PAGE POLICE DEPARTMENT	11.18%	4.61%	15.79%	15.79%
97	PAGE FIRE DEPARTMENT	9.60%	1.98%	11.58%	11.58%
98	YA VAPAI COUNTY SHERIFF'S DEPT.	12.09%	10.75%	22.84%	22.84%
100	PIMA POLICE DEPARTMENT	8.91%	-1.16%	7.75%	7.75%
101	APACHE COUNTY SHERIFF'S DEPT.	12.85%	19.64%	32.49%	32.49%
102	COTTONWOOD FIRE DEPARTMENT	10.47%	1.88%	12.35%	12.35%
103	LA PAZ COUNTY SHERIFF'S DEPT.	11.64%	13.43%	25.07%	25.07%
104	PINAL COUNTY SHERIFF'S DEPARTMENT	12.53%	6.17%	18.70%	18.70%
105	CLARKDALE POLICE DEPARTMENT	13.27%	3.53%	16.80%	16.80%
106	BUCKEYE POLICE DEPARTMENT	11.05%	1.33%	12.38%	12.38%
107	MARANA POLICE DEPARTMENT	11.18%	4.53%	15.71%	15.71%
108	TOLLESON FIRE DEPARTMENT	11.53%	1.40%	12.93%	12.93%

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	ER NC%	UAL Pmt %	Calculated ER Cont	Required ER Cont
109	CHINO VALLEY POLICE DEPARTMENT	11.37%	2.16%	13.53%	13.53%
110	SURPRISE POLICE DEPARTMENT	11.14%	2.36%	13.50%	13.50%
111	WELLTON POLICE	11.08%	7.31%	18.39%	18.39%
112	GILA COUNTY SHERIFF'S DEPARTMENT	11.19%	10.24%	21.43%	21.43%
113	PINETOP-LAKESIDE POLICE DEPT.	10.33%	15.39%	25.72%	25.72%
114	BULLHEAD CITY POLICE DEPARTMENT	11.89%	7.75%	19.64%	19.64%
115	WILLIAMS POLICE DEPARTMENT	13.90%	0.51%	14.41%	14.41%
116	MIAMI POLICE DEPARTMENT	11.85%	7.55%	19.40%	19.40%
117	THATCHER POLICE DEPARTMENT	11.33%	12.00%	23.33%	23.33%
118	YOUNGTOWN POLICE DEPARTMENT	10.58%	2.47%	13.05%	13.05%
119	DEPARTMENT OF EMER & MILITARY AFF	11.46%	6.30%	17.76%	17.76%
120	SURPRISE FIRE DEPARTMENT	10.43%	1.35%	11.78%	11.78%
121	CAMP VERDE MARSHALS	12.05%	3.72%	15.77%	15.77%
122	ORO VALLEY POLICE DEPARTMENT	11.79%	4.52%	16.31%	16.31%
123	GREENLEE COUNTY SHERIFF'S DEPT.	11.96%	2.67%	14.63%	14.63%
124	TUCSON AIRPORT AUTHORITY FIRE DPT	11.29%	26.58%	37.87%	37.87%
125	TUCSON AIRPORT AUTHORITY POLICE	11.41%	23.06%	34.47%	34.47%
126	WICKENBURG POLICE DEPARTMENT	12.33%	8.45%	20.78%	20.78%
127	EL MIRAGE FIRE DEPARTMENT	9.81%	0.54%	10.35%	10.35%
128	PATAGONIA MARSHALS	14.26%	-3.31%	10.94%	10.94%
129	SEDONA POLICE DEPARTMENT	11.48%	1.90%	13.38%	13.38%
130	MAMMOTH POLICE DEPARTMENT	14.49%	1.89%	16.38%	16.38%
131	GLOBE POLICE DEPARTMENT	12.24%	12.89%	25.13%	25.13%
132	TOMBSTONE MARSHAL'S DEPARTMENT	9.72%	-0.70%	9.02%	9.02%
133	GOLDER RANCH FIRE DISTRICT	11.22%	2.27%	13.49%	13.49%
134	FORT MOJAVE MESA FIRE DISTRICT	12.49%	6.26%	18.75%	18.75%
136	GOODYEAR FIRE DEPARTMENT	10.48%	0.01%	10.49%	10.49%
137	GOODYEAR POLICE DEPARTMENT	11.23%	2.77%	14.00%	14.00%
138	CHINO VALLEY FIRE DISTRICT	11.58%	2.08%	13.66%	13.66%
139	AVONDALE POLICE DEPARTMENT	10.43%	3.21%	13.64%	13.64%
140	GRAHAM COUNTY SHERIFF'S DEPT.	12.16%	6.27%	18.43%	18.43%
142	GOLDEN VALLEY FIRE DISTRICT	12.21%	2.61%	14.82%	14.82%
143	DAISY MOUNTAIN FIRE DISTRICT	10.48%	0.88%	11.36%	11.36%
144	QUARTZSITE POLICE DEPARTMENT	12.12%	-0.70%	11.42%	11.42%
145	PICTURE ROCKS FIRE DISTRICT	12.40%	0.00%	12.40%	12.40%
146	PIMA COUNTY COMM. COLLEGE POLICE	12.28%	7.06%	19.34%	19.34%
147	NORTHWEST FIRE DISTRICT	11.33%	2.46%	13.79%	13.79%
148	APACHE JUNCTION FIRE DISTRICT	12.08%	3.14%	15.22%	15.22%
149	GILBERT FIRE DEPARTMENT	10.93%	-0.08%	10.85%	10.85%
150	PINE-STRAWBERRY FIRE DISTRICT	10.96%	7.21%	18.17%	18.17%
151	ATTORNEY GENERAL INVESTIGATORS	12.33%	77.75%	90.08%	90.08%
153	ST. JOHNS POLICE DEPARTMENT	11.34%	-0.15%	11.19%	11.19%
154	PIMA COUNTY ATTORNEY INVESTIGATOR	11.48%	11.38%	22.86%	22.86%
155	SUN LAKES FIRE DISTRICT	11.32%	2.36%	13.68%	13.68%
156	KEARNY POLICE DEPARTMENT	14.51%	6.67%	21.18%	21.18%
157	GREENLEE CNTY ATTY INVESTIGATORS	0.00%	0.00%	0.00%	5.00%
158	NAVAJO COUNTY ATTY'S INVESTIGATOR	0.00%	0.00%	0.00%	5.00%
160	ARIZONA STATE CAPITOL POLICE	11.19%	1.74%	12.93%	12.93%
162	AVRA VALLEY FIRE DISTRICT	10.44%	-0.98%	9.46%	9.46%
163	SAN LUIS FIRE DEPARTMENT	11.36%	-0.34%	11.02%	11.02%

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	ER NC%	UAL Pmt %	Calculated ER Cont	Required ER Cont
164	AZ DPT. LIQ. LIC. & CONTROL INVST	13.88%	24.89%	38.77%	38.77%
165	MARICOPA CNTY ATTY INVESTIGATORS	14.11%	24.88%	38.99%	38.99%
166	SEDONA FIRE DISTRICT	10.90%	5.19%	16.09%	16.09%
167	GUADALUPE FIRE DEPARTMENT	11.04%	6.84%	17.88%	17.88%
168	MAYER FIRE DISTRICT	11.16%	-0.03%	11.13%	11.13%
169	SOMERTON POLICE DEPARTMENT	12.25%	3.54%	15.79%	15.79%
170	SUN CITY WEST FIRE DISTRICT	12.01%	8.05%	20.06%	20.06%
171	SOMERTON FIRE DEPARTMENT	11.33%	2.27%	13.60%	13.60%
172	TUBAC FIRE DISTRICT	11.20%	1.95%	13.15%	13.15%
173	LA PAZ COUNTY ATTY. INVESTIGATORS	11.63%	2.21%	13.84%	13.84%
174	SAHUARITA POLICE DEPARTMENT	10.99%	-0.08%	10.91%	10.91%
176	FLORENCE FIRE DEPARTMENT	9.42%	-0.45%	8.97%	8.97%
177	SUN CITY FIRE DISTRICT	11.94%	12.05%	23.99%	23.99%
178	HAYDEN POLICE DEPARTMENT	14.60%	-3.30%	11.30%	11.30%
179	GILA RIVER FIRE DEPARTMENT	10.03%	1.04%	11.07%	11.07%
180	GILA RIVER POLICE DEPARTMENT	10.87%	0.31%	11.18%	11.18%
181	SALT RIVER PIMA-MARICOPA FIRE	11.35%	2.75%	14.10%	14.10%
182	SALT RIVER PIMA-MARICOPA POLICE	10.61%	2.92%	13.53%	13.53%
183	LAKESIDE FIRE DISTRICT	10.62%	0.03%	10.65%	10.65%
185	PINETOP FIRE DISTRICT	11.07%	5.51%	16.58%	16.58%
186	SHOW LOW FIRE DISTRICT	9.25%	0.32%	9.57%	9.57%
187	YAVAPAI CNTY ATTRNY INVESTIGATORS	0.00%	0.00%	0.00%	5.00%
188	THREE POINTS FIRE DISTRICT	11.04%	2.66%	13.70%	13.70%
190	BUCKEYE FIRE DEPARTMENT	10.04%	-0.46%	9.58%	9.58%
191	MONTEZUMA RIMROCK FIRE DISTRICT	9.12%	3.39%	12.51%	12.51%
192	HEBER-OVERGAARD FIRE DISTRICT	12.19%	-0.68%	11.51%	11.51%
193	DIAMOND STAR FIRE DISTRICT (HELLSGATE)	11.16%	1.69%	12.85%	12.85%
194	GREEN VALLEY FIRE DISTRICT	11.99%	2.99%	14.98%	14.98%
195	SUMMIT FIRE DISTRICT	10.95%	1.22%	12.17%	12.17%
196	CAMP VERDE FIRE DISTRICT	10.92%	1.51%	12.43%	12.43%
197	FORT MCDOWELL TRIBAL FIRE DEPT.	10.31%	-0.35%	9.96%	9.96%
198	FORT MCDOWELL TRIBAL POLICE DEPT.	11.66%	0.76%	12.42%	12.42%
199	HIGHLANDS FIRE DISTRICT	10.77%	4.11%	14.88%	14.88%
200	RIO RICO FIRE DISTRICT	10.58%	0.45%	11.03%	11.03%
201	TRI-CITY FIRE DISTRICT	9.07%	0.07%	9.14%	9.14%
202	MARICOPA COUNTY PARK RANGERS	0.00%	0.00%	0.00%	8.00%
203	VERDE VALLEY FIRE DISTRICT	11.51%	1.97%	13.48%	13.48%
204	ARIZONA STATE PARK RANGERS	12.71%	5.79%	18.50%	18.50%
205	LINDEN FIRE DISTRICT	11.14%	0.08%	11.22%	11.22%
206	HUALAPAI INDIAN TRIBE POLICE DEPT	9.54%	-0.12%	9.42%	9.42%
207	PINEWOOD FIRE DISTRICT	10.09%	6.28%	16.37%	16.37%
208	RINCON VALLEY FIRE DISTRICT	10.23%	1.21%	11.44%	11.44%
209	TONOPAH FIRE DISTRICT	12.02%	-0.21%	11.81%	11.81%
210	JEROME POLICE DEPARTMENT	13.88%	-1.71%	12.17%	12.17%
211	FORT MOJAVE TRIBAL POLICE DEPT.	9.56%	-0.49%	9.07%	9.07%
212	BUCKEYE VALLEY FIRE DISTRICT	9.64%	0.47%	10.11%	10.11%
213	ELOY FIRE DISTRICT	10.48%	2.68%	13.16%	13.16%
214	PASCUA YAQUI TRIBE FIRE DEPT.	11.88%	5.89%	17.77%	17.77%
215	PASCUA YAQUI TRIBE POLICE DEPT.	10.80%	4.51%	15.31%	15.31%
216	TOWN OF SUPERIOR (FIRE DEPT)	10.96%	-0.02%	10.94%	10.94%

Arizona Public Safety Personnel Retirement System Annual Actuarial Valuation

Division Number	Employer Name	ER NC%	UAL Pmt %	Calculated ER Cont	Required ER Cont
217	WICKENBURG FIRE DEPARTMENT	9.74%	0.48%	10.22%	10.22%
219	BLACK CANYON FIRE DISTRICT	9.70%	0.37%	10.07%	10.07%
220	GRAHAM COUNTY ATTORNEY INVEST.	0.00%	0.00%	0.00%	5.00%
221	QUARTZSITE FIRE DISTRICT	10.35%	1.76%	12.11%	12.11%
222	RIO VERDE FIRE DISTRICT	12.33%	2.85%	15.18%	15.18%
223	SCOTTSDALE FIRE DEPARTMENT	10.77%	-0.37%	10.40%	10.40%
224	AK CHIN INDIAN COMM. FIRE DEPT.	11.89%	0.72%	12.61%	12.61%
225	AK CHIN INDIAN COMM. POLICE DEPT.	11.73%	0.00%	11.73%	11.73%
226	CORONA DE TUCSON FIRE DISTRICT	10.03%	4.01%	14.04%	14.04%
227	GOLDEN SHORES FIRE DISTRICT	10.52%	-0.29%	10.22%	10.22%
228	MARICOPA FIRE DISTRICT	9.89%	0.36%	10.25%	10.25%
229	CAVE CREEK MARSHALS	9.11%	1.06%	10.17%	10.17%
231	SAN CARLOS TRIBAL POLICE	11.02%	4.58%	15.60%	15.60%
232	GROOM CREEK FIRE DISTRICT	10.01%	0.38%	10.39%	10.39%
233	MOUNT LEMMON FIRE DISTRICT	9.94%	-1.14%	8.80%	8.80%
234	YA VAPAI PRESCOTT TRIBAL POLICE	14.93%	-0.77%	14.16%	14.16%
235	TOHONO O'ODHAM NATION FIRE	10.16%	0.78%	10.94%	10.94%
236	TOHONO O'ODHAM NATION POLICE	11.39%	1.00%	12.39%	12.39%
237	WILLIAMSON VALLEY FIRE DISTRICT	9.87%	1.15%	11.02%	11.02%
238	HARQUAHALA FIRE DISTRICT	9.87%	-0.18%	9.69%	9.69%
239	COOLIDGE FIRE DEPARTMENT	8.42%	-0.53%	7.89%	7.89%
240	CLARKDALE FIRE DISTRICT	9.98%	0.28%	10.26%	10.26%
241	WITTMAN FIRE DISTRICT	9.05%	0.55%	9.60%	9.60%
242	CENTRAL ARIZONA COLLEGE POLICE	11.76%	2.78%	14.54%	14.54%
243	CITY OF MARICOPA POLICE	11.04%	0.86%	11.90%	11.90%
244	ORACLE FIRE DISTRICT	13.02%	0.47%	13.49%	13.49%
245	BENSON FIRE DEPARTMENT	15.83%	4.84%	20.67%	20.67%
246	DESERT HILLS FIRE DEPARTMENT	10.52%	4.00%	14.52%	14.52%
247	QUEEN CREEK FIRE DEPARTMENT	8.32%	1.02%	9.34%	9.34%
248	SONOITA ELGIN FIRE DEPARTMENT	12.17%	0.72%	12.89%	12.89%
249	CHRISTOPHER-KOHL'S FIRE DISTRICT	14.40%	1.03%	15.43%	15.43%
250	WHETSTONE FIRE DISTRICT	9.97%	-0.09%	9.88%	9.88%
251	QUEEN VALLEY FIRE DISTRICT	11.73%	1.62%	13.35%	13.35%
252	LAKE MOHA VE RANCHOS FIRE DISTRICT	11.37%	5.59%	16.96%	16.96%
	TOTAL	12.17%	10.51%	22.68%	22.68%

October 29, 2010

Mr. James Hacking
Administrator
Arizona Public Safety Personnel Retirement System
3010 E. Camelback Road, Suite 200
Phoenix, Arizona 85016

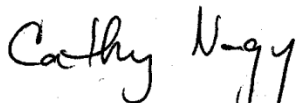
Re: Report of the June 30, 2010 Actuarial Valuation of PSPRS

Dear Mr. Hacking:

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 "Cathy Nagy". The signature is written in a cursive style with a large initial "C" and a long, sweeping underline.

Cathy Nagy, FSA, EA, MAAA

MB:sc
Enclosures