

**ARIZONA PUBLIC SAFETY PERSONNEL
RETIREMENT SYSTEM**

CONSOLIDATED REPORT

ACTUARIAL VALUATION
AS OF JUNE 30, 2022

CONTRIBUTIONS APPLICABLE TO THE
PLAN/FISCAL YEAR ENDING JUNE 30, 2024



FOSTER & FOSTER
ACTUARIES AND CONSULTANTS

December 2022

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

Re: Actuarial Valuation Report as of June 30, 2022 – Arizona Public Safety Personnel Retirement System

Dear Members of the Board:

We are pleased to present to the Board this report of the annual actuarial valuation of the Arizona Public Safety Personnel Retirement System (PSPRS). The valuation was performed to determine whether the assets and contributions are sufficient to provide the prescribed benefits and to develop the appropriate funding requirements for the applicable plan year.

This report was prepared at the request of the Board and is intended for use by PSPRS and those designated or approved by the Board. It documents the valuation of the consolidated plan and provides summary information for PSPRS participating employers. This report may be provided to parties other than PSPRS only in its entirety and only with the permission of the Board. Foster & Foster is not responsible for the unauthorized use of this report.

The valuation has been conducted in accordance with generally accepted actuarial principles and practices, including the applicable Actuarial Standards of Practice as issued by the Actuarial Standards Board, and reflects laws and regulations issued to date pursuant to the provisions of Title 38, Chapter 5, Article 4 of the Arizona Revised Statutes, as well as applicable federal laws and regulations. In our opinion, the assumptions used in this valuation, as adopted by the Board of Trustees, represent reasonable expectations of anticipated plan experience. Future actuarial measurements may differ significantly from the current measurements presented in this report for a variety of reasons including changes in applicable laws, changes in plan provisions, changes in assumptions, or plan experience differing from expectations. Due to the limited scope of the valuation, we did not perform an analysis of the potential range of such future measurements.

The computed contribution rates shown in the “Contribution Results” section should be considered minimum contribution rates that comply with the Board’s funding policy and Arizona Statutes. Users of this report should be aware that contributions made at that rate do not guarantee benefit security. Given the importance of benefit security to any retirement system, we suggest that contributions to the System in excess of those presented in this report be considered.

The funding percentages and unfunded accrued liability as measured based on the actuarial value of assets will differ from similar measures based on the market value of assets. These measures, as provided, are appropriate for determining the adequacy of future contributions, but may not be appropriate for the purpose of settling a portion or all of the Plan’s liabilities.

In conducting the valuation, we have relied on personnel, plan design, and asset information supplied by PSPRS through June 30, 2022 and the actuarial assumptions and methods described in the Actuarial Assumptions section of this report. While we cannot verify the accuracy of all this information, the supplied information was reviewed for consistency and reasonableness. As a result of this review, we have no reason to doubt the substantial accuracy of the information and believe that it has produced appropriate results. This information, along with any adjustments or modifications, is summarized in various sections of this report.

This valuation assumes the continuing ability of the participating employers to make the contributions necessary to fund this plan. A determination regarding whether or not the participating employers are actually able to do so is outside our scope of expertise. Consequently, we did not perform such an analysis.

In performing the analysis, we used third-party software to model (calculate) the underlying liabilities and costs. These results are reviewed in the aggregate and for individual sample lives. The output from the software is either used directly or input into internally developed models to generate the costs. All internally developed models are reviewed as part of the process. As a result of this review, we believe that the models have produced reasonable results. We do not believe there are any material inconsistencies among assumptions or unreasonable output produced due to the aggregation of assumptions.

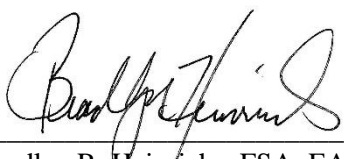
The undersigned are familiar with the immediate and long-term aspects of pension valuations and meet the Qualification Standards of the American Academy of Actuaries necessary to render the actuarial opinions contained herein. All sections of this report are considered an integral part of the actuarial opinions.

To our knowledge, no associate of Foster & Foster, Inc. working on valuations of the program has any direct financial interest or indirect material interest in the Arizona Public Safety Personnel Retirement System, nor does anyone at Foster & Foster, Inc. act as a member of the Board of Trustees of the Arizona Public Safety Personnel Retirement System. Thus, there is no relationship existing that might affect our capacity to prepare and certify this actuarial report.

If there are any questions, concerns, or comments about any of the items contained in this report, please contact us at 239-433-5500.

Respectfully Submitted,

Foster & Foster, Inc.

By: 
Bradley R. Heinrichs, FSA, EA, MAAA

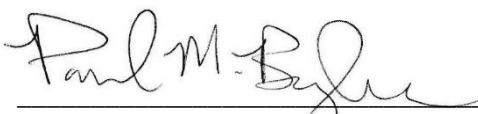
By: 
Paul M. Baugher, FSA, EA, MAAA

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I. SUMMARY OF REPORT

The regular annual actuarial valuation of the Arizona Public Safety Personnel Retirement System, performed as of June 30, 2022, has been completed and the results are presented in this Report. The purpose of this valuation 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 the section entitled “Liability Support.”
- Compare accumulated assets with the liabilities to assess the funded condition. This information is contained in the section entitled “Liability Support.”
- Compute the employers’ recommended contribution rates for the Fiscal Year beginning July 1, 2023. This information is contained in the section entitled “Contribution Results.”

1. Key Valuation Results

The funded status as of June 30, 2022 and the employer contribution amounts applicable to the plan/fiscal year ending June 30, 2024 are as follows:

	Tier 1 & Tier 2 Members			Tier 3 Members *		
	Pension	Health	Total	Pension	Health	Total
Employer Contribution Rate	46.15%	0.27%	46.42%	8.75%	0.12%	8.87%
Funded Status	65.3%	126.0%	66.2%	109.2%	223.5%	110.8%

2. Comparison of Key Results to Prior Year

The chart below compares the results from this valuation with the results of the prior year’s valuation (as of June 30, 2021):

Contribution Rate

Valuation Date	Tier 1 & Tier 2 Members			Tier 3 Members *		
	Pension	Health	Total	Pension	Health	Total
June 30, 2021	54.14%	0.22%	54.36%	9.17%	0.12%	9.29%
June 30, 2022	46.15%	0.27%	46.42%	8.75%	0.12%	8.87%

Funded Status

Valuation Date	Tier 1 & Tier 2 Members			Tier 3 Members		
	Pension	Health	Total	Pension	Health	Total
June 30, 2021	54.2%	127.5%	55.3%	104.8%	233.4%	106.6%
June 30, 2022	65.3%	126.0%	66.2%	109.2%	223.5%	110.8%

* The Tier 3 rates shown are the calculated rates as of the valuation date and do not reflect any Legacy costs that the employer must also contribute.

3. Reasons for Change

Changes in the results from the prior year's valuation can be illustrated in the following tables along with high-level explanations for the entire System below:

	Contribution Rate			
	Tier 1 & Tier 2		Tier 3 Members	
	Pension	Health	Pension	Health
Contribution Rate Last Valuation	54.14%	0.22%	9.17%	0.12%
Asset Experience	0.12%	0.00%	(0.03%)	0.00%
Payroll Base	(1.03%)	0.00%	0.00%	0.00%
Liability Experience	1.02%	(0.11%)	(0.41%)	0.00%
Additional Contribution	(9.61%)	0.00%	0.00%	0.00%
Assumption/Method Change	2.54%	0.06%	(0.16%)	0.00%
Other	<u>(1.03%)</u>	<u>0.10%</u>	<u>0.18%</u>	<u>0.00%</u>
Contribution Rate This Valuation	46.15%	0.27%	8.75%	0.12%

	Funded Status			
	Tier 1 & Tier 2		Tier 3 Members	
	Pension	Health	Pension	Health
Funded Status Last Valuation	54.2%	127.5%	104.8%	233.4%
Asset Experience	(0.1%)	(0.2%)	0.6%	2.4%
Liability Experience	(0.7%)	6.2%	6.8%	10.1%
Additional Contribution	10.9%	0.0%	0.0%	0.0%
Assumption/Method Change	(0.7%)	(2.2%)	2.9%	(6.4%)
Other	<u>1.7%</u>	<u>(5.3%)</u>	<u>(5.9%)</u>	<u>(16.0%)</u>
Funded Status This Valuation	65.3%	126.0%	109.2%	223.5%

Assets Experience – Asset gains and losses (relative to the assumed earnings rate) are smoothed over seven years for Tiers 1 and 2 and over five years for Tier 3. The return on the market value of assets for the year ending June 30, 2022 was (4.2%) for Tiers 1 and 2 and (4.6%) for Tier 3. On a smoothed, actuarial value of assets basis, however, the average return was 7.1% for Tiers 1 and 2 and 7.7% for Tier 3. These returns nearly met the 2021 assumed earnings rate for Tiers 1 and 2 of 7.3% and exceeded the 2021 assumed earnings rate for Tier 3 of 7.0%.

Payroll Base – Under the current amortization policy for Tiers 1 and 2, the contribution rate is developed as a level percentage of payroll. Payroll for this purpose includes members of this plan and defined contribution plan's members that would have been in this plan. To the extent that actual payroll is lower/greater than last year's projected payroll, the contribution rate will increase/decrease as a result. Total payroll increased more than expected, resulting in a decrease in the contribution rate.

Liability Experience – Experience overall was unfavorable, driven by salary increases that were higher than expected.

Additional Contribution – Monies contributed in excess of the required contribution rate in order to pay down the unfunded liability.

Assumption / Method Change – The Board adopted the assumption recommendations provided in the 2022 experience study report, dated April 21, 2022, which updated the salary, inflation, and demographic assumptions. The Board also reduced the interest rate for Tier 1 and 2 members from 7.30% to 7.20% and continued the decrease in the payroll growth assumption from 3.00% to 2.50%.

Other – This is the combination of all other factors that could impact liabilities year-over-year, with the primary sources being changes in benefits for continuing inactive. Note that Tier 3 experience will stabilize as the group matures.

4. Looking Ahead

The volatility in annual returns, which have produced both gains and losses in recent years, was dampened by the asset smoothing reflected in the actuarial value of assets. The significant loss realized this year will, in the absence of other gains, put upward pressure on the contribution rate next year.

If the June 30, 2022 pension valuation results were based on the market value of assets instead of the actuarial value of assets, the pension funded percentage for Tiers 1 and 2 would be 63.6% (instead of 65.3%) and the pension employer contribution requirement would be 46.72% of payroll (instead of 46.15%).

5. Conclusion

The funded status for Tiers 1 and 2 will continue to improve if assumptions are met and contributions at least equal to the rates determined for each employer are made to the fund. The recent adoption of a layered amortization approach along with a plan to systematically lower the payroll growth assumption was an excellent step to improve funding and ensure the Plan is on a viable path.

The funded status for Tier 3 will stabilize as the population continues to grow, as contributions appear sufficient to keep the liabilities fully funded.

II. CONTRIBUTION RESULTS

Contribution Requirements

Development of Employer Contributions - Tiers 1 & 2 Members				
Valuation Date	June 30, 2022		June 30, 2021	
Applicable to Fiscal Year Ending	2024		2023	
	Rate	Dollar	Rate	Dollar
Pension				
Normal Cost				
Total Normal Cost	21.59%	\$ 307,587,749	21.22%	\$ 305,452,405
Employee Cost	<u>(7.65%)</u>	<u>(109,006,453)</u>	<u>(7.65%)</u>	<u>(110,097,346)</u>
Employer (Net) Normal Cost	13.94%	198,581,296	13.57%	195,355,059
Amortization of Unfunded Liability	<u>32.21%</u>	<u>459,035,844</u>	<u>40.57%</u>	<u>583,870,633</u>
Total Employer Cost (Pension)	46.15%	657,617,140	54.14%	779,225,692
Health				
Normal Cost	0.39%	5,587,168	0.41%	5,839,027
Amortization of Unfunded Liability	<u>(0.12%)</u>	<u>(1,735,455)</u>	<u>(0.19%)</u>	<u>(2,700,281)</u>
Total Employer Cost (Health)	0.27%	3,851,713	0.22%	3,138,746
Total Employer Cost (Pension + Health)	46.42%	661,468,853	54.36%	782,364,438
Total Minimum Contribution Requirement (if applicable)	8.00%		8.00%	
Alternate Contribution Rate (ACR) *	32.21%		40.57%	
Underlying Payroll (as of valuation date)		1,390,166,784		1,397,263,098

* The Alternate Contribution Rate is the sum of the positive amortization rates for Tiers 1 & 2 Pension and Health (subject to an 8% minimum) and is charged when retirees return to active status.

The results above are shown both prior to and after the application of the statutory minimum contribution requirement of 8% of payroll (5% of payroll if the actual employer contribution is less than 5% for the 2006/2007 Fiscal Year) and are based on the current amortization schedule approved by the Board of Trustees for your individual plan (see "Actuarial Assumptions and Methods").

Development of Employer Contributions – Tier 3 Members

Valuation Date	June 30, 2022	June 30, 2021
Applicable to Fiscal Year Ending	2024	2023

Defined Benefit (DB) Retirement Plan

	Rate	Dollar	Rate	Dollar
Pension				
Total Normal Cost	17.48%	\$ 62,102,500	18.31%	\$ 47,129,341
Amortization of Unfunded Liability	<u>0.01%</u>	<u>41,737</u>	<u>0.03%</u>	<u>72,026</u>
Total Pension Cost	17.49%	62,144,237	18.34%	47,201,367
Employee (EE) Pension Cost	8.75%	31,072,119	9.17%	23,600,684
Employer (ER) Pension Cost	8.75%	31,072,119	9.17%	23,600,684
Health				
Total Normal Cost	0.23%	817,157	0.23%	597,099
Amortization of Unfunded Liability	<u>0.00%</u>	<u>0</u>	<u>0.00%</u>	<u>0</u>
Total Health Cost	0.23%	817,157	0.23%	597,099
Employee (EE) Health Cost	0.12%	408,579	0.12%	298,550
Employer (ER) Health Cost	0.12%	408,579	0.12%	298,550
Total				
Total Calculated Tier 3 Required EE/ER Individual Cost	8.87%	31,480,698	9.29%	23,899,234
Board Approved Tier 3 Required EE/ER Individual Cost ¹	9.61%	34,164,618	10.09%	25,966,347
ER Legacy Cost of Tiers 1 & 2 Amort of Unfunded Liabilities ²	32.21%	114,452,022	40.57%	104,405,818
Total Calculated Tier 3 Required ER Defined Benefit Cost	41.08%	145,932,720	49.86%	128,305,052
Total Board Approved Tier 3 Required ER Defined Benefit Cost	41.82%	148,616,640	50.66%	130,372,165
Underlying Payroll (as of valuation date)		346,664,109		249,851,792

¹ The “Board Approved” cost was reset with the June 30, 2022 valuation to be the lesser of 1) the calculated rate plus 0.75%, or 2) the prior Board approved rate. Going forward, the funding policy will reflect the approach in setting the costs and will be reviewed annually.

² Pursuant to ARS § 38-843(B), the amortization of positive unfunded liabilities for Tiers 1 & 2 shall be applied to all Tier 3 payroll on a level percent basis. However, while it is statutorily required to present the rates in this manner, these are the minimums where alternate methods for paying down that unfunded liability is at the discretion of each employer. Further, to understand the effects of reform in relation to Tier 3, compare the total rate of Tier 3 before application of those legacy costs.

Development of Employer Contributions – Tier 3 Members

Valuation Date	June 30, 2022	June 30, 2021
Applicable to Fiscal Year Ending	2024	2023

Defined Contribution (DC) Retirement Plan

	Rate	Dollar	Rate	Dollar
Tier 2 & 3 DB / Non-Social Security				
Employee Cost	3.00%		3.00%	
Employer Cost ¹	3.00%		3.00%	
Tier 3 DC Only				
Employee Cost	9.00%	\$ 1,369,258	9.00%	\$ 1,082,104
Employee Health Subsidy Program Cost	0.17%	25,864	0.19%	22,844
Employee Disability Program Cost	<u>1.43%</u>	<u>217,560</u>	<u>1.66%</u>	<u>199,588</u>
Total Employee Cost	10.60%	1,612,682	10.85%	1,304,536
Employer Cost	9.00%	1,369,258	9.00%	1,082,104
Employer Health Subsidy Program Cost	0.17%	25,864	0.19%	22,844
Employer Disability Program Cost	<u>1.43%</u>	<u>217,560</u>	<u>1.66%</u>	<u>199,588</u>
Total Employer Cost (before Legacy)	10.60%	1,612,682	10.85%	1,304,536
ER Legacy Cost of Tiers 1 & 2 Amort of Unfunded Liabilities ²	32.21%	4,900,422	40.57%	4,877,885
Total Employer Cost	42.81%	6,513,104	51.42%	6,182,421
Underlying Payroll (as of valuation date)		14,842,904		11,673,184

¹ Employer rate is 4% for Tier 2 members for a period of time depending on the individual's membership date.

² Pursuant to ARS § 38-843(B), the amortization of positive unfunded liabilities for Tiers 1 & 2 shall be applied to all Tier 3 payroll on a level percent basis. However, while it is statutorily required to present the rates in this manner, these are the minimums where alternate methods for paying down that unfunded liability is at the discretion of each employer. Further, to understand the effects of reform in relation to Tier 3, compare the total rate of Tier 3 before application of those legacy costs.

Historical Summary of Employer Rates

	Valuation Date June 30	Fiscal Year Ending June 30	Normal Cost	Pension		Health		Total
				Unfunded Amortization	Total	Normal Cost	Unfunded Amortization	
TIERS 1 & 2	2018	2020	14.66%	37.65%	52.31%	0.31%	(0.15%)	0.16%
	2019	2021	14.64%	39.74%	54.38%	0.47%	(0.17%)	0.30%
	2020	2022	13.67%	42.53%	56.20%	0.42%	(0.16%)	0.26%
	2021	2023	13.57%	40.57%	54.14%	0.41%	(0.19%)	0.22%
	2022	2024	13.94%	32.21%	46.15%	0.39%	(0.12%)	0.27%
TIER 3 ¹	2018	2020	9.85%	0.00%	9.85%	0.24%	0.00%	0.24%
	2019	2021	9.85%	0.00%	9.85%	0.24%	0.00%	0.24%
	2020	2022	9.82%	0.03%	9.85%	0.24%	0.00%	0.24%
	2021	2023	9.83%	0.02%	9.85%	0.24%	0.00%	0.24%
	2022 ²	2024	8.74%	0.01%	8.75%	0.12%	0.00%	0.12%
	2022	2024	9.36%	0.01%	9.37%	0.24%	0.00%	0.24%

¹ Rates shown are Board approved EE/ER rates, unless otherwise noted. Does not reflect Legacy costs that the employer must also contribute.

² Rates shown are calculated EE/ER rates

III. LIABILITY SUPPORT

Liabilities and Funded Ratios by Benefit - Tiers 1 & 2

	June 30, 2022	June 30, 2021
Pension		
Actuarial Present Value of Benefits (PVB)		
Retirees and Beneficiaries	\$ 11,614,472,518	\$ 10,668,580,319
DROP Members	2,484,182,768	2,386,712,040
Vested Members	152,009,070	120,270,192
Active Members	<u>8,588,470,348</u>	<u>8,511,177,382</u>
Total Actuarial Present Value of Benefits	22,839,134,704	21,686,739,933
Actuarial Accrued Liability (AAL)		
All Inactive Members	14,250,664,356	13,175,562,551
Active Members	<u>6,257,682,592</u>	<u>6,130,866,273</u>
Total Actuarial Accrued Liability	20,508,346,948	19,306,428,824
Actuarial Value of Assets (AVA)	13,397,869,480	10,462,717,622
Unfunded Actuarial Accrued Liability	7,110,477,468	8,843,711,202
PVB Funded Ratio (AVA / PVB)	58.7%	48.2%
AAL Funded Ratio (AVA / AAL)	65.3%	54.2%
Health		
Actuarial Present Value of Benefits (PVB)		
Retirees and Beneficiaries	\$ 155,674,586	\$ 143,563,229
DROP Members	36,965,442	36,129,100
Active Members	<u>147,471,115</u>	<u>150,292,456</u>
Total Present Value of Benefits	340,111,143	329,984,785
Actuarial Accrued Liability (AAL)		
All Inactive Members	192,640,028	179,692,329
Active Members	<u>109,063,045</u>	<u>108,805,446</u>
Total Actuarial Accrued Liability	301,703,073	288,497,775
Actuarial Value of Assets (AVA)	380,136,214	367,789,300
Unfunded Actuarial Accrued Liability	(78,433,141)	(79,291,525)
PVB Funded Ratio (AVA / PVB)	111.8%	111.5%
AAL Funded Ratio (AVA / AAL)	126.0%	127.5%

Pension liabilities were increased by \$5,875,361 and health liabilities were increased by \$831,842 under the lateral transfer methodology.

Liabilities and Funded Ratios by Benefit - Tier 3

	June 30, 2022	June 30, 2021
Pension		
Actuarial Present Value of Benefits (PVB)		
Retirees and Beneficiaries	\$ 4,059,811	\$ 2,705,962
Vested Members	6,659,951	3,195,123
Active Members	<u>920,517,508</u>	<u>685,325,517</u>
Total Actuarial Present Value of Benefits	931,237,270	691,226,602
Actuarial Accrued Liability (AAL)		
All Inactive Members	10,719,762	5,901,085
Active Members	<u>141,047,255</u>	<u>88,657,839</u>
Total Actuarial Accrued Liability	151,767,017	94,558,924
Actuarial Value of Assets (AVA)	165,662,342	99,096,618
Unfunded Actuarial Accrued Liability	(13,895,325)	(4,537,694)
PVB Funded Ratio (AVA / PVB)	17.8%	14.3%
AAL Funded Ratio (AVA / AAL)	109.2%	104.8%
Health		
Actuarial Present Value of Benefits (PVB)		
Retirees and Beneficiaries	25,363	0
Active Members	<u>12,345,393</u>	<u>8,792,084</u>
Total Present Value of Benefits	12,370,756	8,792,084
Actuarial Accrued Liability (AAL)		
All Inactive Members	25,363	0
Active Members	<u>2,156,190</u>	<u>1,348,531</u>
Total Actuarial Accrued Liability	2,181,553	1,348,531
Actuarial Value of Assets (AVA)	4,875,299	3,146,826
Unfunded Actuarial Accrued Liability	(2,693,746)	(1,798,295)
PVB Funded Ratio (AVA / PVB)	39.4%	35.8%
AAL Funded Ratio (AVA / AAL)	223.5%	233.4%

Derivation of Experience (Gain)/Loss

Actual experience will never exactly match assumed experience, except by coincidence. Ideally, gains and losses will 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 sources of the gains and losses.

	Tiers 1 & 2		Tier 3	
	Pension	Health	Pension	Health
(1) Unfunded Actuarial Accrued Liability as of June 30, 2021	8,843,711,202	(79,291,525)	(4,537,694)	(1,798,295)
(2) Normal Cost Developed in Last Valuation	195,355,059	5,839,027	23,598,752	308,817
(3) Actual Contributions	3,012,703,559	3,802,967	29,064,040	1,407,709
(4) Expected Interest On (1), (2), and (3)	551,824,925	(5,498,396)	349,304	(159,208)
(5) Expected Unfunded Actuarial Accrued Liability as of June 30, 2022 (1)+(2)-(3)+(4)	6,578,187,627	(82,753,861)	(9,653,678)	(3,056,395)
(6) Changes to UAAL Due to Assumptions, Methods and Benefits	229,841,974	5,077,867	(4,155,556)	61,037
(7) Change to UAAL Due to Actuarial (Gain)/Loss	<u>302,447,867</u>	<u>(757,147)</u>	<u>(86,091)</u>	<u>301,612</u>
(8) Unfunded Actuarial Accrued Liability as of June 30, 2022	7,110,477,468	(78,433,141)	(13,895,325)	(2,693,746)

FY 2022 Gains and Losses by Source

	Tiers 1 & 2		Tier 3	
	Pension	Health	Pension	Health
Investment Return	24,046,039	513,468	(878,863)	(51,217)
Salary Increases	225,484,895	(8,775)	(1,713,532)	(28,572)
Retirement	(5,988,806)	(7,387,603)	-	(94,317)
Turnover	(20,143,226)	-	(5,545,023)	-
Disability	(10,180,872)	-	(1,874,334)	-
Death-In-Service	6,245,471	-	(1,300,791)	-
Retiree Mortality	10,360,887	(7,682,921)	(266,983)	25,388
Other *	<u>72,623,479</u>	<u>13,808,684</u>	<u>11,493,435</u>	<u>450,330</u>
Total	302,447,867	(757,147)	(86,091)	301,612

* The combination of all other factors that could impact liabilities year-over-year, with the primary sources being changes in member data.

IV. ASSET SUPPORT

Statement of Changes in Fiduciary Net Position for Year Ended June 30, 2022 Market Value Basis

	Tiers 1 & 2		Tier 3	
	Pension	Health	Pension	Health
Additions				
Contributions				
Member Contributions	\$ 131,683,526	\$ 0	\$ 29,063,146	\$ 0
Employer Contributions	3,012,703,558	0	29,064,040	0
Health Insurance Contributions	<u>0</u>	<u>3,802,966</u>	<u>0</u>	<u>1,407,709</u>
Total Contributions	3,144,387,084	3,802,966	58,127,186	1,407,709
Investment Income				
Net Increase in Fair Value	(701,182,251)	(21,695,499)	(8,741,820)	(280,480)
Interest and Dividends	126,401,305	3,911,022	1,575,879	50,562
Other Income	87,059,416	2,683,297	1,085,391	34,690
Less Investment Expenses	<u>(22,862,270)</u>	<u>(565,977)</u>	<u>(285,030)</u>	<u>(7,317)</u>
Net Investment Income	(510,583,800)	(15,667,157)	(6,365,580)	(202,545)
Non-investment Income	986,277	0	12,296	0
Transfers In	1,279,046	0	30,523	0
Total Additions	2,636,068,607	(11,864,191)	51,804,425	1,205,164
Deductions				
Distributions to Members				
Benefit Payments	1,014,242,856	0	151,291	0
Health Insurance Subsidy	0	17,298,612	0	0
Refund of Contributions	<u>13,520,140</u>	<u>0</u>	<u>1,255,336</u>	<u>0</u>
Total Distributions	1,027,762,996	17,298,612	1,406,627	0
Administrative Expenses	9,180,607	278,897	114,460	3,606
Transfers Out	780,862	0	0	0
Other	0	0	0	0
Total Deductions	1,037,724,465	17,577,509	1,521,087	3,606
Net Increase / (Decrease)	1,598,344,142	(29,441,700)	50,283,338	1,201,558
Net Position Held in Trust				
Prior Valuation	11,444,452,554	403,467,753	112,339,143	3,633,858
Beginning of the Year Adjustment	0	0	0	0
End of the Year	13,042,796,696	374,026,053	162,622,481	4,835,416

Development of Pension Actuarial Value of Assets - Tiers 1 & 2

A. Investment Income

A1. Actual Investment Income	\$ (519,764,407)
A2. Expected Amount for Immediate Recognition	911,394,336
A3. Amount Subject to Amortization	(1,431,158,743)

B. Amortization Schedule	Year Ended June 30						
	2022	2023	2024	2025	2026	2027	2028
2022 Experience (A3 / 7)	(204,451,249)	(204,451,249)	(204,451,249)	(204,451,249)	(204,451,249)	(204,451,249)	(204,451,249)
2021 Experience	238,978,744	238,978,744	238,978,744	238,978,744	238,978,744	238,978,745	
2020 Experience	(68,882,158)	(68,882,158)	(68,882,158)	(68,882,158)	(68,882,160)		
2019 Experience	(22,859,275)	(22,859,275)	(22,859,275)	(22,859,275)			
2018 Experience	(6,266,349)	(6,266,349)	(6,266,351)				
2017 Experience	33,380,149	33,380,148					
2016 Experience	(64,250,889)						
Total Amortization	(94,351,027)	(30,100,139)	(63,480,289)	(57,213,938)	(34,354,665)	34,527,496	(204,451,249)

C. Actuarial Value of Assets

	Total
C1. Actuarial Value of Assets, June 30, 2021	10,462,717,622
C2. Non-investment Net Cash Flow	2,118,108,549
C3. Preliminary Actuarial Value of Assets, June 30, 2022 (A2 + B + C1 + C2)	13,397,869,480
C4. Market Value of Assets, June 30, 2022	13,042,796,696
C5. Final Actuarial Value of Assets, June 30, 2022 (C3 Within 20% Corridor of C4)	13,397,869,480

D. Rates of Return

D1. Market Value Rate of Return	(4.2%)
D2. Actuarial Value Rate of Return	7.1%

Development of Health Actuarial Value of Assets - Tiers 1 & 2

A. Investment Income

A1. Actual Investment Income	\$ (15,946,054)
A2. Expected Amount for Immediate Recognition	28,969,231
A3. Amount Subject to Amortization	(44,915,285)

B. Amortization Schedule	Year Ended June 30						
	2022	2023	2024	2025	2026	2027	2028
2022 Experience (A3 / 7)	(6,416,469)	(6,416,469)	(6,416,469)	(6,416,469)	(6,416,469)	(6,416,469)	(6,416,471)
2021 Experience	9,257,478	9,257,478	9,257,478	9,257,478	9,257,478	9,257,481	
2020 Experience	(2,898,713)	(2,898,713)	(2,898,713)	(2,898,713)	(2,898,716)		
2019 Experience	(1,075,569)	(1,075,569)	(1,075,569)	(1,075,572)			
2018 Experience	(304,653)	(304,653)	(304,656)				
2017 Experience	1,532,136	1,532,136					
2016 Experience	(3,220,881)						
Total Amortization	(3,126,671)	94,210	(1,437,929)	(1,133,276)	(57,707)	2,841,012	(6,416,471)

C. Actuarial Value of Assets

	Total
C1. Actuarial Value of Assets, June 30, 2021	367,789,300
C2. Non-investment Net Cash Flow	(13,495,646)
C3. Preliminary Actuarial Value of Assets, June 30, 2022 (A2 + B + C1 + C2)	380,136,214
C4. Market Value of Assets, June 30, 2022	374,026,053
C5. Final Actuarial Value of Assets, June 30, 2022 (C3 Within 20% Corridor of C4)	380,136,214

D. Rates of Return

D1. Market Value Rate of Return	(4.0%)
D2. Actuarial Value Rate of Return	7.2%

Development of Pension Actuarial Value of Assets - Tiers 3

A. Investment Income

A1. Actual Investment Income	\$ (6,480,040)
A2. Expected Amount for Immediate Recognition	9,816,857
A3. Amount Subject to Amortization	(16,296,897)

B. Amortization Schedule	Year Ended June 30				
	2022	2023	2024	2025	2026
2022 Experience (A3 / 5)	(3,259,379)	(3,259,379)	(3,259,379)	(3,259,379)	(3,259,381)
2021 Experience	3,551,936	3,551,936	3,551,936	3,551,938	
2020 Experience	(351,296)	(351,296)	(351,294)		
2019 Experience	44,435	44,437			
2018 Experience	(208)				
Total Amortization	(14,512)	(14,302)	(58,737)	292,559	(3,259,381)

C. Actuarial Value of Assets

	Total
C1. Actuarial Value of Assets, June 30, 2021	99,096,619
C2. Non-investment Net Cash Flow	56,763,378
C3. Preliminary Actuarial Value of Assets, June 30, 2022 (A2 + B + C1 + C2)	165,662,342
C4. Market Value of Assets, June 30, 2022	162,622,481
C5. Final Actuarial Value of Assets, June 30, 2022 (C3 Within 20% Corridor of C4)	165,662,342

D. Rates of Return

D1. Market Value Rate of Return	(4.6%)
D2. Actuarial Value Rate of Return	7.7%

Development of Health Actuarial Value of Assets - Tiers 3

A. Investment Income

A1. Actual Investment Income	\$ (206,151)
A2. Expected Amount for Immediate Recognition	302,807
A3. Amount Subject to Amortization	(508,958)

B. Amortization Schedule	Year Ended June 30				
	2022	2023	2024	2025	2026
2022 Experience (A3 / 5)	(101,792)	(101,792)	(101,792)	(101,792)	(101,790)
2021 Experience	128,963	128,963	128,963	128,961	
2020 Experience	(10,555)	(10,555)	(10,557)		
2019 Experience	1,507	1,508			
2018 Experience	(165)				
Total Amortization	17,958	18,124	16,614	27,169	(101,790)

C. Actuarial Value of Assets

	Total
C1. Actuarial Value of Assets, June 30, 2021	3,146,825
C2. Non-investment Net Cash Flow	1,407,709
C3. Preliminary Actuarial Value of Assets, June 30, 2022 (A2 + B + C1 + C2)	4,875,299
C4. Market Value of Assets, June 30, 2022	4,835,416
C5. Final Actuarial Value of Assets, June 30, 2022 (C3 Within 20% Corridor of C4)	4,875,299

D. Rates of Return

D1. Market Value Rate of Return	(4.8%)
D2. Actuarial Value Rate of Return	8.3%

V. MEMBER STATISTICS

Valuation Data Summary

	June 30, 2022		June 30, 2021	
	Tiers 1 & 2	Tier 3	Tiers 1 & 2	Tier 3
Actives				
Number	12,423	4,524	13,720	3,694
Average Current Age	42.7	30.4	42.1	30.0
Average Age at Employment	28.0	28.2	28.1	28.2
Average Past Service	14.7	2.2	14.0	1.8
Average Annual Salary	\$102,036	\$65,978	\$94,111	\$60,146
Actives (transferred)				
Number	851	387	727	225
Average Current Age	37.5	31.0	36.7	30.2
Average Age at Employment	27.9	28.1	27.9	27.9
Average Past Service	9.7	2.9	8.7	2.3
Average Annual Salary	\$76,993	\$64,495	\$69,288	\$59,069
Retirees				
Number	11,336	0	10,796	0
Average Current Age	64.9	N/A	64.9	N/A
Average Annual Benefit	\$62,047	N/A	\$60,943	N/A
Drop Retirees				
Number	2,144	N/A	2,131	N/A
Average Current Age	53.9	N/A	53.8	N/A
Average Annual Benefit	\$65,616	N/A	\$65,025	N/A
Beneficiaries				
Number	1,990	3	1,863	3
Average Current Age	70.7	31.2	70.6	43.7
Average Annual Benefit	\$48,627	\$31,729	\$47,533	\$37,769
Disability Retirees				
Number	1,965	5	1,900	2
Average Current Age	59.2	38.2	59.0	40.7
Average Annual Benefit	\$47,800	\$28,886	\$46,954	\$29,259
Inactive / Vested				
Number	2,152	741	2,099	513
Average Current Age	42.2	31.8	41.6	31.2
Average Accumulated Contributions	\$18,429	\$5,751	\$16,761	\$4,319
Total Number	32,861	5,660	33,236	4,437
Former Members (transferred)	N/A	N/A	N/A	N/A

Active Counts and Pay Summary - Tiers 1 & 2

Age	Past Service							Total Count	Total Pay	Average Pay
	0-4	5-9	10-14	15-19	20-24	25-29	30+			
<20	0	0	0	0	0	0	0	0	0	0
20 - 24	0	6	0	0	0	0	0	6	444,219	74,037
25 - 29	20	617	0	0	0	0	0	637	51,291,649	80,521
30 - 34	36	1,474	262	3	0	0	0	1,775	150,509,461	84,794
35 - 39	20	1,023	1,071	790	5	0	0	2,909	276,373,530	95,006
40 - 44	8	414	739	1,601	312	3	1	3,078	320,469,021	104,116
45 - 49	5	178	377	1,037	786	111	0	2,494	274,178,007	109,935
50 - 54	4	89	196	589	527	219	20	1,644	183,654,351	111,712
55 - 59	1	26	85	231	124	60	30	557	59,098,106	106,101
60 - 64	0	15	27	78	17	6	6	149	14,585,321	97,888
65+	<u>0</u>	<u>7</u>	<u>4</u>	<u>9</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>25</u>	<u>2,505,616</u>	100,225
Total	94	3,849	2,761	4,338	1,773	400	59	13,274	1,333,109,281	100,430

Active Counts and Pay Summary - Tier 3

Age	Past Service							Total Count	Total Pay	Average Pay
	0-4	5-9	10-14	15-19	20-24	25-29	30+			
15 - 19	1	0	0	0	0	0	0	1	43,499	43,499
20 - 24	746	1	0	0	0	0	0	747	44,768,756	59,931
25 - 29	1,982	1	0	0	0	0	0	1,983	131,267,309	66,196
30 - 34	1,238	4	0	0	0	0	0	1,242	83,489,670	67,222
35 - 39	581	3	0	0	0	0	0	584	39,374,359	67,422
40 - 44	209	2	2	0	0	0	0	213	14,460,950	67,892
45 - 49	87	2	1	1	0	0	0	91	6,287,688	69,095
50 - 54	34	0	0	0	0	0	0	34	2,412,932	70,969
55 - 59	10	0	0	0	0	0	0	10	786,507	78,651
60 - 64	5	0	0	0	0	0	0	5	456,122	91,224
65+	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1</u>	<u>95,114</u>	95,114
Total	4,894	13	3	1	0	0	0	4,911	323,442,906	65,861

In-Payment Counts and Benefit Summary – All Tiers

Age	Count	Average Annual Benefit
< 40	153	38,574
40 - 44	298	46,177
45 - 49	838	48,816
50 - 54	1,588	54,015
55 - 59	2,250	59,462
60 - 64	2,641	62,703
65 - 69	2,485	61,449
70 - 74	2,244	60,441
75 - 79	1,536	59,255
80 - 84	768	57,090
85 - 89	344	52,159
90 - 94	121	49,165
95 - 99	32	44,802
100+	<u>1</u>	<u>45,665</u>
Total	15,299	58,455

“In-Payment” refers to retired, beneficiary, and disabled members.

VI. ACTUARIAL ASSUMPTIONS AND METHODS

<u>Interest Rate</u>	<p>This is the assumed earnings rate on System assets, compounded annually, net of investment and administrative expenses.</p> <p>Tiers 1 & 2: 7.20% per year.</p> <p>Tier 3: 7.00% per year.</p>
<u>Salary Increases</u>	<p>See table at the end of this section. This is an annual increase for individual member's salary. These rates are based on a 2022 experience study using actual plan experience.</p>
<u>Inflation</u>	<p>2.50%.</p>
<u>Tier 3 Compensation Limit</u>	<p>\$115,868 for calendar 2022. Assumed increases of 2.00% per year thereafter.</p>
<u>Cost-of-Living Adjustment</u>	<p>1.85%.</p>
<u>Mortality Rates</u>	<p>These rates are used to project future decrements from the population due to death.</p> <p>Active Lives: PubS-2010 Employee mortality, adjusted by a factor of 1.03 for male members and 1.08 for female members, with generational improvements using 85% of the most recent projection scale (currently Scale MP-2021). 100% of active deaths are assumed to be in the line of duty.</p> <p>Inactive Lives: PubS-2010 Healthy Retiree mortality, adjusted by a factor of 1.03 for male retirees and 1.11 for female retirees, with generational improvements using 85% of the most recent projection scale (currently Scale MP-2021).</p> <p>Beneficiaries: PubS-2010 Survivor mortality, adjusted by a factor of 0.98 for male beneficiaries and adjusted by a factor of 1.06 for female beneficiaries, with generational improvements using 85% of the most recent projection scale (currently Scale MP-2021).</p>

Disabled Lives:

PubS-2010 Disabled mortality, adjusted by a factor of 1.08 for male disabled members and 1.01 for female disabled members, with generational improvements using 85% of the most recent projection scale (currently Scale MP-2021).

The mortality assumptions sufficiently accommodate anticipated future mortality improvements.

Retirement / DROP Rates

These rates are used to project future decrements from the active population due to retirement. The rates below are based on a 2022 experience study using actual plan experience.

Tier 1 – reaching age 62 before attaining 20 years of service:

Age-related rates based on age at retirement:

Police - 40% assumed at age 62 and 63, 35% assumed at age 64, 25% assumed at ages 65 and 66, 50% assumed at ages 67 – 69, and 100% assumed at age 70.

Fire - 25% assumed at age 62 and 63, 35% assumed at age 64, 25% assumed at ages 65 and 66, 50% assumed at ages 67 – 69, and 100% assumed at age 70.

Tier 1 – reaching age 62 after attaining 20 years of service:

Service-related rates based on service at retirement. See complete tables at the end of this section.

60% are assumed to enter the DROP program while the remaining 40% are assumed to retire and commence benefits immediately. DROP periods are assumed to be 5 years in length.

Tiers 2 & 3:

Age-related rates based on age at retirement. 50% assumed at age 53, 30% assumed at ages 54 – 59, 60% assumed at ages 60 – 63, and 100% assumed at age 64.

Termination Rate

These rates are used to project future decrements from the active population due to termination. Complete table of rates based on service at termination are provided at the end of this section. The rates apply to members prior to retirement eligibility and are based on a 2022 experience study using actual plan experience.

Disability Rate

These rates are used to project future decrements from the active population due to disability. Complete table of rates based on age at disability are provided at the end of this section. These rates are based on a 2022 experience study using actual plan experience. 90% of disablements are assumed to be duty-related.

Marital Status

For active members, 85% of males and 60% of females are assumed to be married. Actual marital status is used, where applicable, for inactive members.

Spouse's Age

Male spouses are assumed to be five years older than female members and female spouses are assumed to be 2 years younger than males members.

Health Care Utilization

For active members, 70% of retirees are expected to utilize retiree health care. Actual utilization is used for inactive members.

Funding Method

Entry Age Normal Cost Method.

Lateral Transfers

When active members transfer between employers, the new employer's liability starts from their new date of hire with no past service liability (i.e., all liability is accrued through normal cost). Per PSPRS administrative decision, once the new employer's liability is fully funded, the liability will reflect all past service liability.

Actuarial Asset Method

Method described below. Note that during periods when investment performance exceeds (falls short) of the assumed rate, the actuarial value of assets will tend to be less (greater) than the market value of assets.

Tiers 1 & 2:

Each year the assumed investment income is recognized in full while the difference between actual and assumed investment income are smoothed over a 7-year period subject to a 20% corridor around the market value.

Tier 3:

Each year the assumed investment income is recognized in full while the difference between actual and assumed investment income are smoothed over a 5-year period subject to a 20% corridor around the market value.

Funding Policy Amortization Method

Tiers 1 & 2:

Any positive UAAL (assets less than liabilities) is amortized using a layered approach beginning with the June 30, 2020 valuation, with new amounts determined according to a Level Dollar method over a closed period of 15 years (phased into from current period of at most 30 years). Initial layer from June 30, 2019 valuation continues to be amortized according to a Level Percentage of Payroll method. Any negative UAAL (assets greater than liabilities) is amortized according to a Level Dollar method over an open period of 20 years.

Tier 3:

Any positive UAAL (assets less than liabilities) is amortized according to a Level Dollar method over a closed period of 10 years. No amortization is made of any negative UAAL (assets greater than liabilities).

Payroll Growth

2.50% per year. This is annual increase for total employer payroll.

Changes to Actuarial Assumptions and Methods Since the Prior Valuation

Based on the results of the 2022 experience study, the following assumption changes were made:

- Updated mortality, retirement, termination, and disability rate tables.
- Updated assumed salary increase and cost-of-living adjustment rates.

In addition, the interest rate for Tier 1 and 2 members was decreased from 7.30% to 7.20% and the payroll growth assumption was lowered from 3.00% to 2.50%.

The expected DROP period length was increased from 4 years to 5 years to reflect DROP benefit changes.

There were no method changes since the prior valuation.

Salary Increase Rates

Age	Maricopa Police	Pima Police	Other Police	Maricopa Fire	Pima Fire	Other Fire
20	15.00%	12.00%	14.00%	15.00%	12.00%	13.00%
21	14.00%	6.00%	12.00%	14.00%	11.00%	12.00%
22	13.00%	6.00%	10.00%	13.00%	10.00%	11.00%
23	12.00%	6.00%	9.00%	12.00%	9.50%	10.00%
24	11.00%	6.00%	8.00%	11.00%	9.00%	9.00%
25	10.00%	6.00%	7.00%	10.00%	8.50%	8.00%
26	9.00%	5.50%	6.50%	9.50%	7.50%	7.50%
27	8.00%	5.50%	6.25%	9.00%	6.50%	7.50%
28	7.50%	5.50%	6.00%	8.50%	5.75%	7.00%
29	7.00%	5.50%	5.80%	8.00%	5.75%	6.50%
30	6.50%	5.25%	5.60%	8.00%	5.50%	6.50%
31	6.00%	5.25%	5.40%	7.50%	5.50%	6.00%
32	5.50%	5.00%	5.20%	7.00%	5.00%	5.50%
33	5.10%	5.00%	5.00%	6.50%	5.00%	5.50%
34	4.90%	5.00%	4.90%	6.50%	5.00%	5.50%
35	4.70%	4.50%	4.80%	6.00%	5.00%	5.50%
36	4.50%	4.50%	4.70%	5.50%	5.00%	5.50%
37	4.30%	4.50%	4.60%	5.25%	4.50%	5.00%
38	4.10%	4.00%	4.50%	5.00%	4.50%	5.00%
39	4.00%	4.00%	4.40%	4.75%	4.50%	5.00%
40	3.90%	4.00%	4.30%	4.75%	4.50%	5.00%
41	3.80%	3.80%	4.20%	4.50%	4.50%	4.50%
42	3.70%	3.60%	4.10%	4.50%	4.00%	4.50%
43	3.60%	3.40%	4.00%	4.50%	4.00%	4.50%
44	3.50%	3.20%	3.90%	4.50%	4.00%	4.00%
45	3.50%	3.00%	3.80%	4.25%	4.00%	4.00%
46	3.50%	3.00%	3.70%	4.25%	3.75%	4.00%
47	3.50%	3.00%	3.60%	4.25%	3.75%	3.75%
48	3.50%	3.00%	3.50%	4.00%	3.75%	3.75%
49	3.50%	3.00%	3.50%	4.00%	3.50%	3.75%
50	3.25%	3.00%	3.50%	3.75%	3.50%	3.75%
51	3.25%	3.00%	3.50%	3.75%	3.50%	3.75%
52	3.25%	2.75%	3.50%	3.75%	3.50%	3.75%
53+	3.25%	2.75%	3.50%	3.75%	3.25%	3.75%

Tier 1 Retirement Rates– reaching age 62 after attaining 20 years of service

Service	Maricopa	Pima	Other	Maricopa	Other	
	Police	Police	Police	Fire	Pima Fire	Fire
20	28%	28%	35%	14%	20%	20%
21	25%	25%	35%	17%	20%	25%
22	15%	16%	22%	7%	13%	15%
23	12%	12%	12%	7%	7%	10%
24	8%	9%	12%	7%	7%	10%
25	30%	22%	25%	17%	22%	30%
26	42%	42%	40%	30%	26%	30%
27	32%	30%	28%	23%	30%	30%
28	32%	30%	28%	30%	30%	30%
29	32%	20%	28%	30%	30%	30%
30	35%	25%	35%	30%	30%	35%
31	35%	33%	30%	40%	30%	35%
32	60%	50%	70%	55%	30%	35%
33	60%	50%	70%	55%	60%	60%
34+	100%	100%	100%	100%	100%	100%

Termination Rates

Service	Maricopa	Pima	Other	Maricopa	Other	
	Police	Police	Police	Fire	Pima Fire	Fire
0	13.0%	14.0%	13.5%	4.5%	10.0%	10.5%
1	8.0%	9.0%	11.5%	3.5%	6.0%	8.5%
2	6.0%	7.5%	10.5%	2.5%	4.5%	8.0%
3	4.5%	7.0%	9.5%	2.0%	4.0%	8.0%
4	3.6%	6.5%	9.0%	1.5%	4.0%	7.0%
5	3.3%	5.0%	8.0%	1.5%	4.0%	5.0%
6	3.3%	5.0%	7.0%	1.5%	4.0%	5.0%
7	3.3%	4.0%	6.5%	1.5%	3.0%	4.0%
8	2.4%	4.0%	6.5%	1.5%	3.0%	4.0%
9	2.4%	4.0%	6.0%	1.5%	3.0%	3.5%
10	2.4%	4.0%	5.0%	1.0%	2.0%	3.0%
11	1.8%	3.0%	4.0%	1.0%	2.0%	2.5%
12	1.8%	3.0%	4.0%	1.0%	1.5%	2.0%
13	1.3%	2.0%	3.5%	1.0%	1.0%	1.5%
14	1.3%	2.0%	3.0%	0.5%	1.0%	1.4%
15	0.8%	1.5%	2.5%	0.5%	1.0%	1.4%
16	0.8%	1.5%	2.0%	0.5%	0.5%	1.4%
17	0.8%	1.0%	2.0%	0.5%	0.5%	1.4%
18	0.8%	1.0%	1.8%	0.5%	0.5%	1.4%
19	0.8%	1.0%	1.8%	0.5%	0.5%	0.5%
20+	0.5%	1.0%	1.8%	0.4%	0.5%	0.5%

Disability Rates

Age	Maricopa Police	Pima Police	Other Police	Maricopa Fire	Pima Fire	Other Fire
20	0.050%	0.050%	0.120%	0.020%	0.020%	0.020%
21	0.050%	0.050%	0.120%	0.020%	0.020%	0.020%
22	0.050%	0.050%	0.120%	0.020%	0.020%	0.020%
23	0.050%	0.050%	0.120%	0.020%	0.020%	0.020%
24	0.050%	0.050%	0.120%	0.020%	0.020%	0.020%
25	0.050%	0.050%	0.120%	0.020%	0.020%	0.020%
26	0.100%	0.100%	0.160%	0.035%	0.020%	0.020%
27	0.100%	0.100%	0.160%	0.035%	0.020%	0.020%
28	0.100%	0.100%	0.160%	0.035%	0.020%	0.020%
29	0.100%	0.100%	0.160%	0.035%	0.020%	0.020%
30	0.100%	0.100%	0.160%	0.035%	0.020%	0.020%
31	0.230%	0.180%	0.240%	0.090%	0.100%	0.060%
32	0.230%	0.180%	0.240%	0.090%	0.100%	0.060%
33	0.230%	0.180%	0.240%	0.090%	0.100%	0.060%
34	0.230%	0.180%	0.240%	0.090%	0.100%	0.060%
35	0.230%	0.180%	0.240%	0.090%	0.100%	0.060%
36	0.450%	0.350%	0.320%	0.150%	0.150%	0.140%
37	0.450%	0.350%	0.320%	0.150%	0.150%	0.140%
38	0.450%	0.350%	0.320%	0.150%	0.150%	0.140%
39	0.450%	0.350%	0.320%	0.150%	0.150%	0.140%
40	0.450%	0.350%	0.320%	0.150%	0.150%	0.140%
41	0.520%	0.650%	0.550%	0.170%	0.300%	0.250%
42	0.520%	0.650%	0.550%	0.170%	0.300%	0.250%
43	0.520%	0.650%	0.550%	0.170%	0.300%	0.250%
44	0.520%	0.650%	0.550%	0.170%	0.300%	0.250%
45	0.520%	0.650%	0.550%	0.170%	0.300%	0.250%
46	0.650%	0.750%	0.750%	0.300%	0.420%	0.420%
47	0.650%	0.750%	0.750%	0.300%	0.420%	0.420%
48	0.650%	0.750%	0.750%	0.300%	0.420%	0.420%
49	0.650%	0.750%	0.750%	0.300%	0.420%	0.420%
50	0.650%	0.750%	0.750%	0.300%	0.420%	0.420%
51	0.800%	0.800%	0.800%	0.700%	0.750%	0.750%
52	0.800%	0.800%	0.800%	0.700%	0.750%	0.750%
53	0.800%	0.800%	0.800%	0.700%	0.750%	0.750%
54	0.800%	0.800%	0.800%	0.700%	0.750%	0.750%
55	0.800%	0.800%	0.800%	0.700%	0.750%	0.750%
56+	1.000%	0.850%	0.900%	1.100%	0.800%	1.000%

VII. DISCUSSION OF RISK

ASOP No. 51, Assessment and Disclosure of Risk Associated with Measuring Pension Obligations and Determining Pension Plan Contributions, states that the actuary should identify risks that, in the actuary's professional judgment, may reasonably be anticipated to significantly affect the plan's future financial condition.

Throughout this report, actuarial results are determined under various assumption scenarios. These results are based on the premise that all future plan experience will align with the plan's actuarial assumptions; however, there is no guarantee that actual plan experience will align with the plan's assumptions. Whenever possible, the recommended assumptions in this report reflect conservatism to allow for some margin of unfavorable future plan experience. However, it is still possible that actual plan experience will differ from anticipated experience in an unfavorable manner that will negatively impact the plan's funded position.

Below are examples of ways in which plan experience can deviate from assumptions and the potential impact of that deviation. Typically, this results in an actuarial gain or loss representing the current-year financial impact on the plan's unfunded liability of the experience differing from assumptions; this gain or loss is amortized over a period of time determined by the plan's amortization method. When assumptions are selected that adequately reflect plan experience, gains and losses typically offset one another in the long term, resulting in a relatively low impact on the plan's contribution requirements associated with plan experience. When assumptions are too optimistic, losses can accumulate over time and the plan's amortization payment could potentially grow to an unmanageable level.

- **Investment Return:** When the rate of return on the Actuarial Value of Assets falls short of the assumption, this produces a loss representing assumed investment earnings that were not realized. Further, it is unlikely that the plan will experience a scenario that matches the assumed return in each year as capital markets can be volatile from year to year. Therefore, contribution amounts can vary in the future.
- **Salary Increases:** When a plan participant experiences a salary increase that was greater than assumed, this produces a loss representing the cost of an increase in anticipated plan benefits for the participant as compared to the previous year. The total gain or loss associated with salary increases for the plan is the sum of salary gains and losses for all active participants.
- **Payroll Growth:** The plan's payroll growth assumption, if one is used, causes a predictable annual increase in the plan's amortization payment in order to produce an amortization payment that remains constant as a percentage of payroll if all assumptions are realized. If payroll does not increase according to the plan's payroll growth assumption, the plan's amortization payment can increase significantly as a percentage of payroll even if all assumptions other than the payroll growth assumption are realized.
- **Demographic Assumptions:** Actuarial results take into account various potential events that could happen to a plan participant, such as retirement, termination, disability, and death. Each of these potential events is assigned a liability based on the likelihood of the event and the financial consequence of the event for the plan. Accordingly, actuarial liabilities reflect a blend of financial consequences associated with various possible outcomes (such as retirement at one of various possible ages). Once the outcome is known (e.g. the participant retires) the liability is adjusted to reflect the known outcome. This adjustment

produces a gain or loss depending on whether the outcome was more or less favorable than other outcomes that could have occurred.

- **Contribution risk:** This risk results from the potential that actual employer contributions may deviate from actuarially determined contributions, which are determined in accordance with the Board's funding policy. The funding policy is intended to result in contribution requirements that if paid when due, will result in a reasonable expectation that assets will accumulate to be sufficient to pay plan benefits when due. Contribution deficits, particularly large deficits and those that occur repeatedly, increase future contribution requirements and put the plan at risk for not being able to pay plan benefits when due.

Impact of Plan Maturity on Risk

For newer pension plans, most of the participants and associated liabilities are related to active members who have not yet reached retirement age. As pension plans continue in operation and active members reach retirement ages, liabilities begin to shift from being primarily related to active members to being shared amongst active and retired members. Plan maturity is a measure of the extent to which this shift has occurred. It is important to understand that plan maturity can have an impact on risk tolerance and the overall risk characteristics of the plan. For example, plans with a large amount of retired liability do not have as long of a time horizon to recover from losses (such as losses on investments due to lower than expected investment returns) as plans where the majority of the liability is attributable to active members. For this reason, less tolerance for investment risk may be warranted for highly mature plans with a substantial inactive liability. Similarly, mature plans paying substantial retirement benefits resulting in a small positive or net negative cash flow can be more sensitive to near term investment volatility, particularly if the size of the fund is shrinking, which can result in less assets being available for investment in the market.

To assist with determining the maturity of the plan, we have provided some relevant metrics in the table following titled "Plan Maturity Measures and Other Risk Metrics". Highlights of this information are discussed below:

- The Support Ratio, determined as the ratio of active to inactive members, has decreased for Tiers 1 and 2 from 97.9% on June 30, 2019 to 67.8% on June 30, 2022. This is expected since the plan is closed to new active members. For Tier 3, the Ratio decreased from 1,269.5% on June 30, 2019 to 655.7% on June 30, 2022, consistent with the growth of a new group.
- The Accrued Liability Ratio, determined as the ratio of the Inactive Accrued Liability, which is the liability associated with members who are no longer employed but are due a benefit from the plan, to the Total Accrued Liability, is 69.5% for Tiers 1 and 2. With a group of this maturity, losses due to lower than expected investment returns or demographic factors will need to be made up for over a shorter time horizon than would be needed for a less mature plan.
- The Funded Ratio, determined as the ratio of the Actuarial Value of Assets to the Total Accrued Liability, has increased from 46.4% on June 30, 2019 to 65.3% on June 30, 2022, due mainly to contributions in excess of the required amount. For Tier 3, the Ratio increased from 123.1% on June 30, 2019 to 109.2% on June 30, 2022, consistent with a new group with appropriate contribution rates.
- The Net Cash Flow Ratio, determined as the ratio of the Net Cash Flow (contributions minus benefit payments) to the Market Value of Assets, increased from 1.8% on June 30, 2019 to 16.2% on June 30,

2022, meaning that contributions are currently covering the group's benefit payments. For Tier 3, the Ratio was 35.0%, which is consistent with a new benefit that is beginning to accumulate assets.

It is important to note that the actuary has identified the risks above as the most significant risks based on the characteristics of the plan and the nature of the project, however, it is not an exhaustive list of potential risks that could be considered. Additional advanced modeling, as well as the identification of additional risks, can be provided at the request of the reader.

Plan Maturity Measures and Other Risk Metrics - Tiers 1 & 2

	06/30/2019	06/30/2020	06/30/2021	06/30/2022
Support Ratio				
Total Actives	16,806	15,693	14,447	13,274
Total Inactives	17,174	17,914	18,789	19,587
Actives / Inactives	97.9%	87.6%	76.9%	67.8%
Asset Volatility Ratio				
Market Value of Assets (MVA)	7,810,990,750	8,057,538,776	11,444,452,554	13,042,796,696
Total Annual Payroll	1,419,642,895	1,380,572,470	1,341,575,553	1,333,109,281
MVA / Total Annual Payroll	550.2%	583.6%	853.1%	978.4%
Accrued Liability (AL) Ratio				
Inactive Accrued Liability	11,594,509,404	12,369,086,922	13,175,562,551	14,250,664,356
Total Accrued Liability	17,393,828,992	18,511,955,838	19,306,428,824	20,508,346,948
Inactive AL / Total AL	66.7%	66.8%	68.2%	69.5%
Funded Ratio				
Actuarial Value of Assets (AVA)	8,079,039,739	8,675,448,922	10,462,717,622	13,397,869,480
Total Accrued Liability	17,393,828,992	18,511,955,838	19,306,428,824	20,508,346,948
AVA / Total Accrued Liability	46.4%	46.9%	54.2%	65.3%
Net Cash Flow Ratio				
Net Cash Flow ¹	142,921,171	153,022,031	1,086,974,341	2,116,624,088
Market Value of Assets (MVA)	7,810,990,750	8,057,538,776	11,444,452,554	13,042,796,696
Net Cash Flow / MVA	1.8%	1.9%	9.5%	16.2%

¹ Determined as total contributions minus benefit payments. Administrative expenses are typically included but are considered part of the net interest rate assumption for this plan.

Plan Maturity Measures and Other Risk Metrics - Tier 3

	06/30/2019	06/30/2020	06/30/2021	06/30/2022
Support Ratio				
Total Actives	1,917	2,984	3,919	4,911
Total Inactives	151	321	518	749
Actives / Inactives	1,269.5%	929.6%	756.6%	655.7%
Asset Volatility Ratio				
Market Value of Assets (MVA)	18,922,750	48,259,114	112,339,142	162,622,481
Total Annual Payroll	103,627,360	181,914,294	249,851,792	346,664,109
MVA / Total Annual Payroll	18.3%	26.5%	45.0%	46.9%
Accrued Liability (AL) Ratio				
Inactive Accrued Liability	427,500	2,204,661	5,901,085	10,719,762
Total Accrued Liability	15,228,805	49,570,740	94,558,924	151,767,017
Inactive AL / Total AL	2.8%	4.4%	6.2%	7.1%
Funded Ratio				
Actuarial Value of Assets (AVA)	18,746,119	49,531,567	99,096,618	165,662,342
Total Accrued Liability	15,228,805	49,570,740	94,558,924	151,767,017
AVA / Total Accrued Liability	123.1%	99.9%	104.8%	109.2%
Net Cash Flow Ratio				
Net Cash Flow ¹	14,738,682	28,622,065	41,515,598	56,871,850
Market Value of Assets (MVA)	18,922,750	48,259,114	112,339,142	162,622,481
Net Cash Flow / MVA	77.9%	59.3%	37.0%	35.0%

¹ Determined as total contributions minus benefit payments. Administrative expenses are typically included but are considered part of the net interest rate assumption for this plan.

VIII. SUMMARY OF CURRENT PLAN

The following is a summary of the benefit provisions provided in Title 38, Chapter 5, Article 4 of the Arizona Revised Statutes.

Membership

Full-time employees of an eligible group, prior to attaining age 65, who are engaged to work for more than six months in a calendar year. Tier 3 Defined Contribution members are able to elect participation in post-retirement health insurance subsidy.

Benefit Tiers

Benefits differ for members based on their hire date:

<u>Tier</u>	<u>Hire Date</u>
1	Hired before January 1, 2012
2	Hired on or after January 1, 2012 but before July 1, 2017
3	Hired on or after July 1, 2017

Compensation

Compensation is the amount including base salary, overtime pay, shift and military differential pay, compensatory time used in lieu of overtime 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. For Tier 3 members, compensation is limited by statutory cap (\$110,000 with adjustments by the Board).

Average Monthly Benefit Compensation

Tier 1:

The highest compensation paid to member during three consecutive years out of the last 20 years of Credited Service, divided by months.

Tier 2:

The highest compensation paid to member during five consecutive years out of the last 20 years of Credited Service, divided by months.

Tier 3:

The highest compensation paid to member during five consecutive years out of the last 15 years of Credited Service, divided by months.

Credited Service

Total periods of service, both before and after the member's date of participation, for which the member made contributions to the fund.

Normal Retirement Date

Tier 1:

First day of month following attainment of 1) 20 years of service or

2) 62nd birthday and completion of 15 years of service.

Tier 2:

First day of month following the attainment of age 52.5 and completion of 15 years of service.

Tier 3:

First day of month following the attainment of age 55 and completion of 15 years of service.

Benefit

Tier 1:

50% of Average Monthly Benefit Compensation, adjusted based on Credited Service as follows (maximum benefit of 80% of Average Monthly Benefit Compensation):

<u>Credited Service</u>	<u>Benefit Adjustment</u>
15 years, but less than 20	Reduced 4% per year less than 20
20 years, but less than 25	Plus 2% per year between 20 and 25
25+ years	Plus 2.5% per year above 20

Tier 2:

Benefit multiplier (below) times Average Monthly Benefit Compensation times Credited Service (maximum benefit of 80% of Average Monthly Benefit Compensation):

<u>Credited Service</u>	<u>Benefit Multiplier</u>
15 years, but less than 17	1.50%
17 years, but less than 19	1.75%
19 years, but less than 22	2.00%
22 years, but less than 25	2.25%
25+ years	2.50%

Tier 3:

Benefit multiplier (below) times Average Monthly Benefit Compensation times Credited Service (maximum benefit of 80% of Average Monthly Benefit Compensation):

<u>Credited Service</u>	<u>Benefit Multiplier</u>
15 years, but less than 17	1.50%
17 years, but less than 19	1.75%
19 years, but less than 22	2.00%
22 years, but less than 25	2.25%
25+ years	2.50%

Form of Benefit	For married retirees, an annuity payable for the life of the member with 80% continuing to the eligible spouse upon death. For unmarried retirees, the normal form is a single life annuity.
<u>Early Retirement</u>	<i>Only applicable to Tier 3 members:</i>
Date	Attainment of age 52.5 and 15 years of Credited Service.
Benefit	Actuarial equivalent of Normal Retirement benefit.
<u>Disability Benefit – Accidental (duty-related)</u>	
Eligibility	Total and permanent disability incurred in performance of duty.
Benefit Amount	A maximum of: a.) 50% of Average Monthly Benefit Compensation, and; b.) The monthly Normal Retirement pension that the member is entitled to receive if he or she retired immediately.
<u>Disability Benefit – Ordinary (not duty-related)</u>	
Eligibility	Total and permanent disability not incurred in performance of duty.
Benefit Amount	Normal Retirement pension that the member is entitled to receive, prorated based on Credited Service earned over the required Credited Service for Normal Retirement (maximum ratio of 1).
<u>Disability Benefit – Other</u>	
Temporary	Benefit equals 1/12 of 50% of compensation during year preceding date of disability. Payments terminate after 12 months.
Catastrophic	Benefit equals 90% of Average Monthly Benefit Compensation. After 60 months member receives greater of 62.5% Average Monthly Benefit Compensation and accrued normal pension.
<u>Pre-Retirement Death Benefit</u>	
Service Incurred	100% of Average Monthly Benefit Compensation, reduced by child's pension.
Non-Service Incurred	80% of benefit based on calculation for accidental disability retirement.
Child's Pension	10% of pension for each child (maximum 20% paid) based on calculation for accidental disability retirement. Payable to dependent child under age 18 (23, if full-time student).
Guardian's Pension	Same as spouse's pension. Payable (along with child's pension) when no spouse is being paid and there is at least one child under 18 (23, if full-time student).

Vesting (Termination)

Vesting Service Requirement **Tier 1:**
10 years of Credited Service.
Tiers 2 & 3:
15 years of Credited Service.

Non-Vested Benefit **Tier 1:**
Lump sum payment of accumulated contributions, plus additional amount based on years of Credited Service.

<u>Service</u>	<u>Additional % of Contributions</u>
Less than 5 years	0%
5 years	25%
6 years	40%
7 years	55%
8 years	70%
9 years	85%
10+ years	100%

Tiers 2 & 3:
Lump sum payment of accumulated contributions, with interest at rate determined by the Board.

Vested Benefit **Tier 1:**
Deferred retirement annuity based on two times member's accumulated contributions, deferred to age 62. Member is not entitled to survivor benefits, benefit increases, or group health insurance subsidy.

Tiers 2 & 3:
Calculated same as normal retirement pension. Payable if contributions left in fund until reach age requirement. Member is entitled to survivor benefits, benefit increases, and group health insurance subsidy.

Cost-of-Living Adjustment

Payable to retired member or survivor of retired member

Tiers 1 & 2:
Compound cost-of-living adjustment on base benefit. First payment is made on July 1, 2018, with annual adjustments effective every July 1 thereafter.

Cost-of-living adjustment will be based on the average annual percentage change in the Metropolitan Phoenix-Mesa Consumer Price Index published by the United States Department of Labor, Bureau of

Statistics. Maximum increase of 2%.

Tier 3:

Compound cost-of-living adjustment on base benefit beginning earlier of first calendar year after the 7th anniversary of retirement or when the retired member reaches 60 years of age.

A cost-of-living adjustment shall be paid on July 1 each year that the funded ratio for members hired on or after July 1, 2017 is 70% or more.

The cost-of-living adjustment will be based on the average annual percentage change in the Metropolitan Phoenix-Mesa Consumer Price Index published by the United States Department of Labor, Bureau of Statistics. The cost-of-living adjustment will not exceed:

- 2%, if funded ratio for members who are hired on or after July 1, 2017 is 90% or more;
- 1.5%, if funded ratio for members who are hired on or after July 1, 2017 is 80-90%;
- 1%, if funded ratio for members who are hired on or after July 1, 2017 is 70-80%.

Deferred Retirement Option Plan (DROP):

Eligibility	Tier 1 and 20 years of Credited Service.	
DROP Period	Maximum 84 months.	
Member Contributions	Cease upon DROP entry.	
Benefit Amount	Calculated based on Credited Service and average monthly compensation as of the beginning of the DROP period, credited to DROP participation account for DROP period.	
Interest on DROP Participation Account	<u>Beginning Year</u>	<u>Interest Rate</u>
	July 1, 2016	7.40%
	July 1, 2018	7.30%
	July 1, 2022	7.20%
Payment of DROP Participation Account	Payable as lump sum distribution to Public Safety Personnel Defined Contribution Retirement Plan at earlier of 1) end of DROP period, 2) at termination, or 3) five years.	
Payment Monthly Benefit	System commences payment of benefit amount at the earlier of 1) the end of the DROP period and 2) at termination.	

Post-Retirement Health Insurance Subsidy

Eligibility Retired member or survivor who elect health coverage provided by the state or participating employer.

Maximum Subsidy Amounts (monthly)	<u>Member Only</u> <u>With Dependents</u>	
	Medicare Eligible	\$100
One w/ Medicare	N/A	\$215
Not Medicare Eligible	\$150	\$260

Employee Contributions

Members hired before July 20, 2011:

7.65%

Members hired on/after July 20, 2011, but before July 1, 2017:

11.65%. Amounts in excess of 7.65% are not used to reduce the employer contribution (“maintenance of effort”).

Tier 3:

50% of total contribution, which is Normal Cost plus a level-dollar amortization of unfunded actuarial accrued liability over a closed period not to exceed 10 years.

Employer Contributions

Tiers 1 & 2:

Normal Cost plus amortization of unfunded actuarial accrued liability over a closed period not to exceed 20 years (subject to one-time election to extend to closed period not to exceed 30 years). Contribution will never be less than 8% of payroll.

Tier 3:

50% of total contribution, which is Normal Cost plus a level-dollar amortization of unfunded actuarial accrued liability over a closed period not to exceed 10 years.

Changes to Benefit Provisions Since the Prior Valuation

The DROP benefit was extended to 84 months.

IX. ACTUARIAL FUNDING POLICY

A pension plan funding policy describes how pension funding will improve for underfunded plans or maintain funded benefits for funded plans over time for those benefits defined in ARS. Those benefits defined in ARS are to be equitably managed and administered by PSPRS.

This Actuarial Funding Policy identifies the funding objectives and elements of the actuarial funding policy set by the Board for the Arizona Public Safety Personnel Retirement System (PSPRS). The Board adopted this Funding Policy to help ensure the systematic funding of future benefit payments for members of the Retirement System as established by the legislature.

To achieve the systematic funding of future benefits, metrics are identified to measure the progress, or the lack of progress, over time to identify trends. These trends inform the continuation of the current policies or identify areas of needed research for consideration.

This funding policy is reviewed annually and adopted by the Board in accordance with ARS 38-863.02. This policy was reviewed and adopted by the Board in September 2022.

PSPRS Statement of Purpose

The Purpose of the Public Safety Personnel Retirement System is to provide uniform, consistent, and equitable statewide retirement programs for those who have been entrusted to our care.

Funding Objectives

1. Maintain adequate assets so that current plan assets, plus future contributions and investment earnings, are sufficient to fund all benefits expected to be paid to members and their beneficiaries.
 - a. Corollary 1a: Current and future contributions should be calculated based upon assumptions that reflect the Board's best estimate of future experience and methods that appropriately allocate costs to address generational equity.
 - b. Corollary 1b: While the shorter-term objective is to fully fund the actuarial liability (AAL) that estimates benefits earned as of the valuation date, contributions should target the long-term present value of benefits (PVB) to fund all benefits and help offset risks.
 - c. As closed plans mature, the target funding should be 110% of AAL or 100% of PVB, whichever is greater.
2. Maintain public policy goals of accountability and transparency through stakeholder communication and education. Each policy element is clear in intent and effect, and each should be considered in a balanced approach to determine how and when the funding requirements of the plan will be met.
 - a. Corollary 2a: Board shall provide stakeholders with separate reports and tools to help explain current results as well as to help model future funding requirements.
3. Promote intergenerational equity. Defined benefit pensions are designed with a long-term perspective and designed to minimize contribution volatility that cannot avoid some level of generational cost shift. However, the goal is that each generation of members and employers (taxpayers) should, to the extent

possible, incur the cost of benefits for the employees who provide services to them, rather than shifting those costs to other generations of members and employers (taxpayers).

- a. Corollary 3a: A systematic reduction of the Unfunded Actuarial Accrued Liability (UAAL) over a reasonable time period is paramount to achieving this objective.

Consideration can be given to reduce volatility, to the extent possible, of employer and employee contribution rates as long as the integrity of the objectives listed above is not compromised.

Elements of Actuarial Funding Policy

1. Actuarial Cost Method

- a. The Entry Age Normal level percent of pay actuarial cost method of valuation shall be used in determining the Actuarial Accrued Liability (AAL) and Normal Cost. Differences in the past between assumed experience and actual experience (“actuarial gains and losses”) shall become part of the AAL. The Normal Cost shall be determined on an individual basis for each active member.

2. Asset Smoothing Method

- a. The investment gains or losses of each valuation period, resulting from the difference between the actual investment return and assumed investment return, shall be recognized annually in level amounts over seven years (Tiers 1 and 2) or five years (Tier 3) in calculating the Actuarial Value of Assets.
- b. The Actuarial Value of Assets so determined shall be subject to a 20% corridor relative to the Market Value of Assets.

3. Amortization Method (Unfunded Amounts)

- a. The Actuarial Value of Assets are subtracted from the computed AAL. Any unfunded amount is amortized as a level percent of payroll over a closed period.
- b. The unfunded liabilities, for EORP and Tiers 1 & 2 for both PSPRS and CORP, determined in the June 30, 2019 actuarial valuation will become the initial layer for each employer beginning with the June 30, 2020 actuarial valuation and amortized using the current closed year period for that employer and continue to decrease each year.
 - i. The payroll growth rate assumption used to amortize the Public Safety Plan (PSPRS) June 30, 2019 Unfunded Liability will be decreased by 0.5% beginning with the 6/30/2021 actuarial valuation and again each year with the intention of ultimately achieving 0.0%. Once the payroll growth assumption reaches 2.0%, however, the Board will reevaluate the payroll growth assumption and decide whether to continue to let it track down to 0.0%.
 - ii. The payroll growth rate used to amortize the Correction Officers Retirement Plan (CORP) June 30, 2019 Unfunded Liability will be 3.0% beginning with the 6/30/2020 actuarial valuation, and future years will be reduced by 0.5% until 0.0% is reached.
 - iii. The payroll growth rate used to amortize the Elected Officials Retirement Plan (EORP) June 30, 2019 Unfunded Liability will be 2.5% beginning with the 6/30/2020 actuarial valuation, and future years will be reduced by 0.5% until 0.0% is reached.
- c. Gains and losses, for EORP and Tiers 1 & 2 for both PSPRS and CORP, for each employer beginning with the June 30, 2020 actuarial valuation will be amortized as a new layer over the same amortization period as the regular unfunded liability to a minimum of 15 years. Once the amortization period for each employer decreases to 15 years, each subsequent year’s gains and losses will be amortized as a new 15-year closed layer.

- i. The payroll growth rate used to amortize unfunded liability for all Plans under this paragraph will be 0.0% (i.e. level-dollar amortization).
 - d. Tier 3 amortization methods are established in ARS 38-843.G and ARS 38-891.K.
4. Amortization Method (Overfunded Amounts)
- a. The Actuarial Value of Assets are subtracted from the target funding level (greater of 110% of AAL or 100% of PVB). Any overfunded amount is amortized as a level dollar amount over an open 10-year period.

Metrics to Monitor Funding Objectives

1. Appropriateness of Assumptions – Gain/Loss Experience (Corollary 1a)
 - a. Metric: Do the cumulative gain/loss layers over the prior five years exceed 8% of plan assets?
 - b. Measurement: History of annual gain/loss (split by asset and liability experience) and five-year cumulative results will be tracked.
 - c. Action Plan: This metric assumes that a full experience study is performed at least every five years so objective of measurement is to monitor interim experience. If the metric answer is yes, a review of the sources or causes of gains and losses should be analyzed and presented to the Advisory Committee to provide a recommendation to the Board of Trustees. The analysis and presentation are intended to provide a basis for consideration if assumption changes are warranted between full experience studies.
2. Funding Targets (Corollary 1b)
 - a. Metric: Has the funded status, on both an AAL and PVB basis when compared to the market value of assets, increased over a five-year period?
 - b. Measurement: History of funded status measures will be tracked.
 - c. Action Plan: If the answer is no and not readily explainable (e.g., significant assumption change), a review of the reason(s) for the decrease should be researched and presented to the Advisory Committee to provide a recommendation to the Board of Trustees. The analysis and presentation are intended to provide a basis for consideration if changes to assumptions and/or methods are warranted between full experience studies.
3. Communication with Stakeholders (Corollary 2a)
 - a. Metric: Have reports and budgeting tools been provided to stakeholders in a timely fashion?
 - b. Measurement: Yes/No answer based on input from PSPRS administrator. (An annual standard survey of stakeholders – 3 to 5 questions.)
 - c. Action Plan: If the answer is no, and periodically regardless (e.g., every three years), PSPRS staff will revisit this metric to report to the Advisory Committee to provide a recommendation to the Board of Trustees if current reports / tools are sufficient and if the delivery timing is appropriate.
4. Timely Recognition of Costs (Corollary 3a)
 - a. Metric: Has the percentage of unfunded liability subject to negative amortization decreased over a five-year lookback period?
 - b. Measurement: History of unfunded liability subject to negative amortization as a percentage of total unfunded liability will be tracked.
 - c. Action Plan: If the answer is no, and not readily explainable (e.g., adopted assumption changes being phased in are anticipated to address negative amortization), a review of the reason(s) for negative

amortization should be researched and presented to the Advisory Committee to provide a recommendation to the Board of Trustees. The analysis and presentation are intended to provide a basis for consideration if changes to assumptions and/or methods are warranted between full experience studies.

X. GLOSSARY

Actuarial Accrued Liability – Computed differently under different funding methods, the actuarial accrued liability generally represents the portion of the actuarial present value of benefits attributable to service credit earned (or accrued) as of the valuation date.

Actuarial Present Value of Benefits – Amount which, together with future interest, is expected to be sufficient to pay all benefits to be paid in the future, regardless of when earned, as determined by the application of a particular set of actuarial assumptions; equivalent to the actuarial accrued liability plus the present value of future normal costs attributable to the members.

Actuarial Assumptions – Assumptions as to the occurrence of future events affecting pension costs. These assumptions include rates of investment earnings, changes in salary, rates of mortality, withdrawal, disablement, and retirement as well as statistics related to marriage and family composition.

Actuarial Cost Method – A method of determining the portion of the cost of a pension plan to be allocated to each year; sometimes referred to as the "actuarial funding method." Each cost method allocates a certain portion of the actuarial present value of benefits between the actuarial accrued liability and future normal costs.

Actuarial Equivalence – Series of payments with equal actuarial present values on a given date when valued using the same set of actuarial assumptions.

Actuarial Present Value - The amount of funds required as of a specified date to provide a payment or series of payments in the future. It is determined by discounting future payments at predetermined rates of interest, and by probabilities of payments between the specified date and the expected date of payment.

Actuarial Value of Assets – The value of cash, investments, and other property belonging to the pension plan as used by the actuary for the purpose of the actuarial valuation. This may correspond to market value of assets, or some modification using an asset valuation method to reduce the volatility of asset values.

Asset Gain (Loss) – That portion of the actuarial gain attributable to investment performance above (below) the expected rate of return in the actuarial assumptions.

Amortization – Paying off an interest-discounted amount with periodic payments of interest and (generally) principal, as opposed to paying off with a lump sum payment.

Amortization Payment – That portion of the pension plan contribution designated to pay interest and reduce the outstanding principal balance of unfunded actuarial accrued liability. If the amortization payment is less than the accrued interest on the unfunded actuarial accrued liability the outstanding principal balance will increase.

Assumed Earnings Rate – The interest rate used in developing present values to reflect the time value of money.

Decrements – Events which result in the termination of membership in the system such as retirement, disability, withdrawal, or death.

Entry Age Normal (EAN) Funding Method – A standard actuarial funding method whereby each member's normal costs (service costs) are generally level as a percentage of pay from entry age until retirement. The annual cost of benefits is comprised of the normal cost plus an amortization payment to reduce the UAL.

Experience Gain (Loss) – The difference between actual unfunded actuarial accrued liabilities and anticipated unfunded actuarial accrued liabilities during the period between two valuation dates. It is a measurement of the difference between actual and expected experience, and may be related to investment earnings above (or below) those expected or changes in the liability due to fewer (or greater) than expected numbers of retirements, deaths, disabilities, or withdrawals, or variances in pay increases relative to assumed pay increases. The effect of such gains (or losses) is to decrease (or increase) future costs.

Funded Ratio – A measure of the ratio of the actuarial value of assets to liabilities of the system. Typically, the assets used in the measure are the actuarial value of assets as determined by the asset valuation method. The funded ratio depends not only on the financial strength of the plan but also on the asset valuation method used to determine the assets and on the funding method used to determine the liabilities.

Market Value of Assets (MVA) – The value of assets as they would trade on an open market.

Normal Cost – Computed differently under different funding methods, generally that portion of the actuarial present value of benefits allocated to the current plan year.

Unfunded Actuarial Accrued Liability (UAAL) – The excess of the actuarial accrued liability over the valuation assets; sometimes referred to as "unfunded past service liability". UAL increases each time an actuarial loss occurs and when new benefits are added without being fully funded initially and decreases when actuarial gains occur.

APPENDIX A: SUMMARY OF POPULATION DATA BY EMPLOYER - TIERS 1 & 2

Employer Number	Employer Name	Number of Actives	Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of DROP	Annual DROP Benefits	Number of Inactive/Vested	Inactive/Vested Accum. Member Contrib.	Number Transferred Out
001	Bisbee Fire Dept.	9	537,997	21	868,927	0	0	6	127,608	6
002	Casa Grande Fire Dept.	41	4,110,619	33	1,897,051	3	180,819	3	250,506	6
003	Casa Grande Police Dept.	47	4,315,108	58	3,024,664	8	432,488	10	143,850	7
004	Chandler Fire Dept.	144	15,873,849	91	6,252,914	24	1,739,544	5	236,905	0
005	Chandler Police Dept.	200	21,926,035	219	13,286,343	39	2,626,650	23	898,495	4
006	Clifton Fire Dept.	0	0	1	33,841	0	0	0	0	0
007	Dept. of Public Safety	786	79,673,177	1,491	82,576,410	80	4,709,120	83	1,230,807	22
008	Douglas Fire Dept.	15	1,047,583	25	1,112,018	1	49,523	3	7,683	7
009	Douglas Police Dept.	22	1,686,303	38	1,622,416	0	0	5	33,395	0
010	Flagstaff Fire Dept.	66	6,109,308	96	5,228,742	8	550,040	9	299,079	5
011	Flagstaff Police Dept.	51	5,210,182	90	4,805,470	5	317,420	29	477,224	28
012	Glendale Fire Dept.	171	18,608,992	124	8,488,279	38	3,056,150	6	186,834	7
013	Glendale Police Dept.	266	29,119,289	266	15,851,840	62	4,189,092	29	596,327	9
014	Globe Fire Dept.	10	755,868	15	527,215	0	0	1	14,317	1
015	Kingman Fire Dept.	31	2,362,918	35	1,840,540	3	110,541	3	50,184	6
016	Maricopa County Sheriff's Office	367	38,152,897	603	32,642,871	87	5,644,473	31	792,422	35
017	Mesa Fire Dept.	270	30,237,865	305	20,798,486	77	5,465,691	19	654,607	5
018	Mesa Police Dept.	478	51,446,946	705	40,868,705	108	6,699,132	102	1,652,808	9
020	Nogales Fire Dept.	17	1,304,046	42	1,837,157	1	34,283	1	44,329	6
021	Phoenix Fire Dept.	1,133	131,166,697	1,263	94,129,126	233	18,791,450	33	1,342,869	3
022	Phoenix Police Dept.	1,691	186,191,608	2,854	191,579,748	422	29,817,254	355	4,446,375	44
023	Prescott Fire Dept.	43	3,837,168	76	4,257,826	7	423,423	6	99,384	2
024	Prescott Police Dept.	42	3,677,680	69	3,459,839	5	250,240	10	140,470	5
025	Scottsdale Police Dept.	233	26,626,223	312	19,006,790	44	2,971,012	60	1,448,820	9
026	Sierra Vista Fire Dept.	33	2,585,628	30	1,699,416	3	151,047	9	102,276	7
027	Tempe Fire Dept.	111	13,750,590	151	10,405,110	26	2,191,098	9	320,877	3
028	Tempe Police Dept.	222	23,090,261	307	18,643,778	46	2,849,930	38	1,047,926	11
029	Tucson Fire	429	43,310,407	609	35,393,625	76	4,371,824	16	363,424	14
030	Tucson Police	467	45,980,359	1,092	60,284,295	114	6,295,650	95	1,742,395	36
031	Winslow Fire Dept.	6	448,227	3	198,192	0	0	1	5,757	1
032	Yuma Fire Dept.	83	7,284,952	91	4,928,873	13	697,151	2	50,036	2
033	Yuma Police Dept.	93	8,044,791	143	6,988,556	8	396,760	31	245,520	12
034	Yuma County Sheriff's Dept.	48	3,970,012	41	1,933,254	12	604,032	7	146,657	6
035	Game and Fish Dept.	79	5,591,625	162	7,851,900	20	1,000,440	12	133,440	2
036	Sierra Vista Police Dept.	34	3,046,906	44	2,533,735	6	331,362	11	230,670	5
037	Benson Police Dept.	8	497,010	9	405,259	0	0	1	68,875	0
038	Bisbee Police Dept.	2	140,664	19	797,610	0	0	4	45,124	1

Employer Number	Employer Name	Number of Actives	Number of Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of DROP	Annual DROP Benefits	Number of Inactive/Vested	Inactive/Vested Accum. Member Contrib.	Number Transferred Out
039	Pima County Sheriff's Dept.	296	22,529,589	470	24,444,948	60	2,925,900	70	424,550	29
040	Kingman Police Dept.	28	2,188,822	34	1,607,386	4	192,096	8	141,128	9
041	ASU Campus Police	46	4,252,615	46	2,348,961	5	294,635	20	141,900	11
042	Lake Havasu City Fire Dept.	59	5,317,197	50	2,744,260	9	621,891	9	222,120	4
043	Mohave County Sheriff's Dept.	48	3,861,631	56	2,614,251	6	334,458	21	150,843	9
044	Bullhead City Fire Dept.	47	4,662,380	46	2,773,160	7	418,929	7	132,041	4
045	U of A Campus Police	32	2,611,278	33	1,575,205	6	338,130	16	211,168	7
046	Cochise County Sheriff's Dept.	49	3,735,062	75	3,121,846	6	294,834	29	195,489	8
047	Safford Police Dept.	12	996,161	18	825,220	5	265,705	0	0	1
049	Drexel Heights Fire District	55	4,068,499	30	1,372,296	8	337,336	10	175,800	7
050	Winslow Police Dept.	13	1,093,213	16	615,225	1	33,184	6	126,666	5
051	Payson Fire Dept.	20	1,884,533	15	774,519	1	45,056	2	132,684	3
052	Payson Police Dept.	11	920,893	25	1,281,941	2	103,028	10	183,120	2
053	Northern AZ. Consolidated Fire District #1	6	410,717	10	518,555	0	0	16	279,168	14
054	Fry Fire District	31	2,529,271	28	1,517,524	0	0	1	15,298	10
055	Fredonia Marshals	0	0	1	35,097	0	0	2	105,742	0
056	NAU Campus Police	10	915,045	16	831,505	0	0	2	21,282	5
058	South Tucson Fire Dept.	0	0	7	273,700	2	76,534	4	14,984	5
059	Avondale Fire Dept.	55	5,902,648	18	1,056,623	5	401,445	3	180,468	4
060	Parker Police Dept.	7	485,128	6	237,061	0	0	6	164,658	1
061	Coconino County Sheriff's Dept.	37	3,180,713	62	3,073,261	1	69,307	12	190,368	7
064	Buckskin Fire District	6	570,526	11	503,594	1	81,878	12	121,884	9
065	Snowflake Police Dept.	7	522,071	9	332,620	0	0	1	22,441	3
066	Cottonwood Police Dept.	21	1,676,445	22	959,204	2	113,014	2	3,530	3
067	Lake Havasu City Police Dept.	45	4,485,170	65	3,357,860	4	301,080	18	273,690	7
069	South Tucson Police Dept.	3	215,716	17	690,143	1	25,263	1	51,221	4
070	Apache Junction Police Dept.	41	3,694,023	47	2,323,459	2	114,306	10	182,020	8
071	Navajo County Sheriff's Dept.	25	1,597,230	33	1,242,847	0	0	19	220,039	17
072	Mohave Valley Fire District	15	1,299,398	6	256,329	4	191,004	9	139,905	9
073	Peoria Fire Dept.	133	15,192,069	56	3,675,694	19	1,371,838	4	132,212	0
074	Peoria Police Dept.	132	14,153,054	116	6,496,129	14	899,766	23	412,206	7
076	Paradise Valley Police Dept.	25	2,649,966	47	2,416,698	2	107,940	3	74,607	1
077	Willcox Police Dept.	7	462,462	11	440,261	0	0	1	19,653	1
078	Show Low Police Dept.	21	1,626,205	21	954,713	3	171,381	2	30,976	3
079	Eloy Police Dept.	20	1,580,539	13	615,906	1	43,145	5	128,745	5
080	Nogales Police Dept.	27	1,819,873	44	1,783,751	2	134,716	6	178,878	11
081	Gilbert Police Dept.	172	18,215,705	100	5,769,536	21	1,318,905	36	799,884	7
083	Clifton Police Dept.	2	188,353	2	67,310	0	0	1	2,053	3
085	Coolidge Police Dept.	13	1,045,674	17	711,712	3	115,461	3	45,390	6
086	Holbrook Police Dept.	4	287,315	18	702,034	0	0	2	25,174	5
087	Santa Cruz County Sheriff's Dept.	15	1,074,789	28	1,170,636	1	50,494	8	73,048	11

Employer Number	Employer Name	Number of Actives	Number of Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of DROP	Annual DROP Benefits	Number of Inactive/ Vested	Inactive/Vested Accum. Member Contrib.	Number Transferred Out
088	Prescott Valley Police Dept.	51	4,180,148	34	1,542,765	2	117,178	16	191,728	5
089	Eagar Police Dept.	5	333,248	8	319,338	0	0	1	4,188	0
090	Tolleson Police Dept.	17	1,777,173	15	744,099	1	49,345	2	7,692	2
091	Florence Police Dept.	13	1,037,184	9	310,074	0	0	6	146,856	11
092	Springerville Police Dept.	2	140,236	7	245,843	0	0	0	0	1
093	El Mirage Police Dept.	28	2,849,265	23	1,139,313	3	179,139	5	13,460	5
094	Superior Police Dept.	5	296,150	3	96,290	0	0	2	41,784	4
095	San Luis Police Dept.	25	2,161,876	9	382,822	0	0	1	380	0
096	Page Police Dept.	9	685,878	10	468,230	0	0	6	233,892	1
097	Page Fire Dept.	8	613,791	3	120,326	0	0	8	66,472	6
098	Yavapai County Sheriff's Dept.	64	4,964,190	91	3,887,455	13	615,654	39	576,498	11
100	Pima Police Dept.	4	279,612	0	0	0	0	3	56,619	2
101	Apache County Sheriff's Dept.	12	902,124	26	1,039,468	1	44,201	5	52,010	8
102	Cottonwood Fire Dept.	18	1,403,278	7	317,947	2	144,200	1	48,017	2
103	La Paz County Sheriff's Dept.	10	719,769	29	1,277,072	5	181,130	4	75,792	8
104	Pinal County Sheriff's Dept.	177	15,664,801	125	5,574,320	4	195,232	17	494,785	5
105	Clarkdale Police Dept.	5	346,201	8	253,454	0	0	1	2,234	2
106	Buckeye Police Dept.	62	6,252,078	28	1,458,622	5	363,165	8	257,936	3
107	Marana Police Dept.	68	5,612,745	38	1,609,649	3	130,431	16	239,168	8
108	Tolleson Fire Dept.	21	2,043,147	12	680,335	2	127,204	2	55,138	2
109	Chino Valley Police Dept.	14	986,072	11	456,129	3	124,548	4	61,292	2
110	Surprise Police Dept.	92	10,042,193	66	3,403,279	7	423,339	18	219,168	2
111	Wellton Police Dept.	3	190,285	5	168,599	0	0	0	0	1
112	Gila County Sheriff's Dept.	22	1,713,614	31	1,087,094	3	141,036	11	216,315	8
113	Pinetop-Lakeside Police Dept.	4	328,833	14	535,314	0	0	2	30,302	4
114	Bullhead City Police Dept.	45	4,024,338	54	2,893,416	7	412,944	10	17,950	0
115	Williams Police Dept.	5	346,421	4	131,307	1	39,463	3	58,311	0
116	Miami Police Dept.	1	55,190	7	259,188	0	0	1	14,055	2
117	Thatcher Police Dept.	8	700,169	8	365,245	1	73,711	0	0	0
118	Youngtown Police Dept.	0	0	3	115,713	0	0	1	6,882	0
119	Dept. of Emer & Military Aff	26	1,641,419	21	909,940	5	213,595	4	83,320	11
120	Surprise Fire Dept.	104	12,615,688	15	917,594	13	909,181	2	34,158	2
121	Camp Verde Marshals	7	516,416	9	364,720	0	0	9	321,642	3
122	Oro Valley Police Dept.	71	6,042,533	52	2,468,612	8	589,904	7	166,054	4
123	Greenlee County Sheriff's Dept.	8	632,676	10	487,908	0	0	5	92,985	1
124	Tucson Airport Authority Fire Dept.	11	929,423	19	1,051,395	3	183,945	2	15,716	0
125	Tucson Airport Authority Police Dept.	16	1,420,759	27	1,337,132	2	111,192	3	6,528	4
126	Wickenburg Police Dept.	10	880,579	10	453,609	0	0	8	106,280	4
127	El Mirage Fire Dept.	22	2,264,077	3	159,722	0	0	4	101,924	2
128	Patagonia Marshals	0	0	2	79,368	0	0	3	93,288	1
129	Sedona Police Dept.	17	1,369,223	17	841,999	0	0	5	31,930	4

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130	Mammoth Police Dept.	4	191,116	3	77,663	0	0	6	10,824	2
131	Globe Police Dept.	8	537,061	18	722,174	0	0	3	14,739	18
132	Tombstone Marshals	3	152,142	0	0	0	0	4	119,472	6
133	Golder Ranch Fire District	159	13,316,535	35	1,717,068	13	792,181	15	588,990	10
134	Fort Mojave Mesa Fire District	18	1,484,082	17	1,004,515	3	205,755	1	5,390	5
136	Goodyear Fire Dept.	70	8,688,307	17	1,066,035	10	654,890	2	153,000	1
137	Goodyear Police Dept.	80	8,509,473	36	2,050,402	11	725,868	14	345,730	8
139	Avondale Police Dept.	78	7,488,171	41	2,063,719	8	497,960	28	527,044	10
140	Graham County Sheriff's Dept.	12	873,329	11	433,765	0	0	3	35,028	3
142	Golden Valley Fire District	16	1,198,432	5	221,321	0	0	4	56,856	4
143	Daisy Mountain Fire District	71	7,318,653	18	975,768	4	286,836	4	185,824	0
144	Quartzsite Police Dept.	3	223,706	5	200,540	0	0	2	45,234	8
145	Picture Rocks Fire District	6	443,595	10	308,348	0	0	8	127,616	13
146	Pima County Comm. College Police	16	1,250,493	19	779,234	1	58,993	7	46,963	4
147	Northwest Fire District	144	13,608,841	66	3,635,545	18	1,138,194	10	124,880	4
148	Superstition Fire and Medical District	57	5,922,475	32	2,022,112	13	821,912	2	58,574	3
149	Gilbert Fire Dept.	142	16,507,580	33	1,939,475	21	1,415,778	4	117,572	0
150	Pine-Strawberry Fire District	12	1,136,138	9	408,181	2	103,900	1	22,357	0
151	Attorney General Invest.	19	1,642,737	31	1,412,185	1	44,445	4	165,448	3
153	St. Johns Police Dept.	3	183,661	4	101,834	0	0	2	37,152	2
154	Pima County Attorney Invest.	3	199,775	5	267,480	1	28,244	0	0	0
156	Kearny Police Dept.	4	206,969	6	212,727	0	0	2	23,512	3
158	Navajo County Attorney Invest.	0	0	1	39,887	0	0	0	0	0
162	Avra Valley Fire District	22	1,299,120	7	230,414	0	0	10	68,560	14
163	San Luis Fire Dept.	27	1,957,970	3	90,245	0	0	3	17,220	8
164	AZ Dept. Liq. Lic. & Control Invest.	11	725,447	17	704,201	0	0	4	82,844	1
165	Maricopa County Attorney Invest.	6	504,035	24	1,135,099	0	0	2	48,822	1
166	Sedona Fire District	61	6,355,679	31	1,765,821	7	516,278	6	52,266	3
167	Guadalupe Fire Dept.	4	367,981	1	54,139	2	94,548	0	0	0
168	Mayer Fire District	9	683,698	8	279,762	0	0	1	15,495	4
169	Somerton Police Dept.	6	452,609	9	384,514	0	0	3	98,886	4
171	Somerton Fire Dept.	12	785,325	3	152,290	1	29,761	2	76,762	3
172	Tubac Fire District	15	1,062,111	10	366,607	3	126,555	2	105,916	3
174	Sahuarita Police Dept.	31	3,068,494	12	593,844	1	49,711	7	198,016	5
176	Florence Fire Dept.	22	1,740,589	3	128,372	1	66,608	2	36,272	1
177	Sun City Fire District	41	4,124,092	38	2,773,962	11	629,827	1	1,063	3
178	Hayden Police Dept.	4	244,890	0	0	0	0	2	30,802	3
179	Gila River Fire Dept.	52	4,215,447	12	461,233	2	88,960	4	12,404	10
180	Gila River Police Dept.	67	5,695,878	17	758,988	3	166,710	19	801,268	28

Employer Number	Employer Name	Number of Actives	Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of DROP	Annual DROP Benefits	Number of Inactive/Vested	Inactive/Vested Accum. Member Contrib.	Number Transferred Out
181	Salt River Pima-Maricopa Fire	56	6,865,023	19	1,128,744	13	1,137,318	3	147,309	3
182	Salt River Pima-Maricopa Police	74	8,246,072	34	1,891,641	5	299,815	11	378,719	14
185	Pinetop Fire District	19	1,907,480	11	555,214	2	142,396	2	26,574	1
187	Yavapai County Attorney Invest.	0	0	2	86,250	0	0	0	0	0
188	Three Points Fire District	10	582,717	3	136,557	3	126,015	2	9,136	4
190	Buckeye Fire Dept.	76	8,110,208	6	428,527	3	207,228	1	67,097	0
192	Heber-Overgaard Fire District	8	770,442	2	68,828	2	118,264	4	104,232	0
193	Hellsgate Fire District	5	511,046	4	196,892	0	0	0	0	0
194	Green Valley Fire District	49	4,357,309	30	1,401,672	3	148,461	5	154,910	1
195	Summit Fire District	23	1,733,686	13	622,585	3	127,140	8	92,096	8
197	Fort McDowell Tribal Fire Dept.	6	470,137	3	128,274	0	0	2	19,828	10
198	Fort McDowell Tribal Police Dept.	6	501,384	4	197,524	5	226,580	1	51,577	5
199	Highlands Fire District	18	1,716,680	11	587,490	0	0	3	32,952	2
200	Rio Rico Fire District	20	1,552,926	3	92,666	0	0	10	274,790	6
201	Tri-City Fire District	17	1,345,926	4	86,662	1	48,836	1	11,662	6
202	Maricopa County Park Rangers	0	0	3	167,238	0	0	1	24,132	0
203	Verde Valley Fire District	28	2,268,216	13	706,156	4	242,060	3	103,866	2
204	AZ. State Park Rangers	12	768,586	24	983,832	2	73,184	5	144,455	1
206	Hualapai Indian Tribe Police Dept.	10	763,056	3	118,930	0	0	1	10,850	3
207	Pinewood Fire District	15	1,377,162	8	422,988	0	0	0	0	0
208	Rincon Valley Fire District	34	2,327,188	5	207,389	2	82,140	3	102,195	1
210	Jerome Police Dept.	3	189,753	0	0	1	33,778	1	13,277	0
211	Fort Mojave Tribal Police Dept.	11	1,262,204	0	0	0	0	4	17,836	1
212	Buckeye Valley Fire District	52	4,369,660	12	514,503	0	0	7	161,161	12
213	Eloy Fire District	21	1,780,613	8	398,148	0	0	2	66,270	3
214	Pascua Yaqui Tribe Fire Dept.	14	1,208,321	6	310,782	4	209,552	2	59,826	2
215	Pascua Yaqui Tribe Police Dept.	15	1,879,136	12	593,681	3	146,550	4	2,144	1
216	Town of Superior Fire Dept.	4	188,917	1	19,429	0	0	5	98,470	2
217	Wickenburg Fire Dept.	10	746,710	1	35,541	1	60,233	0	0	1
221	Quartzsite Fire District	7	535,567	2	105,240	0	0	2	31,476	2
222	Rio Verde Fire District	9	806,993	8	355,544	2	122,058	1	5,471	1
223	Scottsdale Fire Dept.	197	22,323,003	53	2,837,459	20	1,299,820	5	159,060	8
224	Ak Chin Indian Comm. Fire Dept.	27	1,851,599	10	393,866	1	40,211	7	189,994	4
225	Ak Chin Indian Comm. Police Dept.	10	873,787	2	113,848	0	0	8	68,296	8
226	Corona De Tucson Fire District	20	1,460,358	2	114,894	0	0	0	0	0
227	Golden Shores Fire District	6	441,961	1	35,844	0	0	3	51,288	1
228	City of Maricopa Fire Dept.	54	5,314,242	5	179,591	3	192,126	4	129,120	0
229	Cave Creek Marshals	1	98,303	0	0	0	0	0	0	0

Employer Number	Employer Name	Number of Actives	Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of DROP	Annual DROP Benefits	Number of Inactive/Vested	Inactive/Vested Accum. Member Contrib.	Number Transferred Out
231	San Carlos Tribal Police Dept.	19	1,905,417	3	146,349	2	129,112	2	31,624	2
232	Groom Creek Fire District	3	200,315	0	0	0	0	0	0	3
233	Mount Lemmon Fire District	4	252,957	1	23,253	0	0	0	0	0
234	Yavapai Prescott Tribal Police	4	301,821	1	30,207	0	0	4	113,496	4
235	Tohono O'odham Nation Fire Dept.	24	1,799,084	12	504,079	2	96,718	5	57,410	3
236	Tohono O'odham Nation Police Dept.	43	3,738,791	28	1,414,000	3	159,084	8	242,992	5
237	Williamson Valley Fire District	10	1,026,968	0	0	0	0	6	108,282	9
238	Harquahala Fire District	9	721,465	0	0	1	36,667	8	100,240	1
239	Coolidge Fire Dept.	4	316,631	0	0	0	0	1	3,597	2
242	Central AZ. College Police Dept.	6	452,440	1	50,348	0	0	0	0	4
243	City of Maricopa Police Dept.	48	4,563,076	7	311,460	1	42,207	13	399,711	7
244	Oracle Fire District	4	273,869	1	25,763	0	0	2	14,156	1
245	Benson Fire Dept.	0	0	0	0	1	60,426	0	0	0
246	Desert Hills Fire Dept.	18	1,071,596	2	79,395	0	0	3	62,310	6
247	Queen Creek Fire Dept.	50	5,788,014	2	143,424	0	0	2	1,856	1
248	Sonoita Elgin Fire Dept.	3	165,441	1	61,773	0	0	7	87,703	8
249	Christopher-Kohl's Fire District	4	391,354	1	14,707	0	0	2	72,172	1
250	Whetstone Fire District	5	370,966	0	0	0	0	1	21,813	2
251	Queen Valley Fire District	2	97,476	1	26,237	0	0	0	0	0
252	Lake Mohave Ranchos Fire District	1	60,218	3	122,007	0	0	5	46,405	6
253	Huachuca City Police Dept.	4	212,622	2	58,577	0	0	1	149	0
254	Palominas Fire District	2	160,635	1	53,899	0	0	6	92,604	11
255	Sun Sites Pearce Fire District	3	182,218	0	0	0	0	4	95,184	7
256	Ponderosa Fire District	3	214,614	0	0	0	0	1	48,456	6
257	Timber Mesa Fire and Medical Dist	58	5,034,343	11	482,666	2	143,260	3	79,653	4
258	Central AZ Fire and Medical	85	7,973,997	62	3,647,115	17	1,150,696	9	370,926	4
259	Copper Canyon Fire and Medical	32	2,681,702	8	306,178	2	77,056	4	98,744	3
261	Beaver Dam/Littlefield Fire Dist.	2	212,568	0	0	0	0	1	4,438	0
262	Blue Ridge Fire District	3	204,324	1	22,703	0	0	0	0	1
263	Arizona Fire & Medical Authority	89	9,140,476	46	2,640,767	12	1,046,808	6	169,134	2
264	Taylor Snowlake Fire & Medical	0	0	0	0	0	0	0	0	0
265	Queen Creek Police Dept.	33	3,136,306	0	0	0	0	0	0	0
	TOTAL	13,274	1,333,109,281	15,291	894,057,311	2,144	140,679,748	2,152	39,659,982	N/A

APPENDIX B: SUMMARY OF POPULATION DATA BY EMPLOYER - TIER 3

Employer Number	Employer Name	Number of Actives	Number of Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of Inactive/ Vested	Inactive/ Accum. Member Contrib.	Vested Number Transferred Out
001	Bisbee Fire Dept.	11	566,823	0	0	7	24,038	4
002	Casa Grande Fire Dept.	20	1,249,783	0	0	0	0	1
003	Casa Grande Police Dept.	24	1,484,850	0	0	3	13,251	2
004	Chandler Fire Dept.	51	3,227,567	0	0	2	20,208	0
005	Chandler Police Dept.	80	5,799,591	0	0	13	43,771	4
006	Clifton Fire Dept.	0	0	0	0	0	0	0
007	Dept. of Public Safety	207	15,424,886	1	33,029	19	96,634	6
008	Douglas Fire Dept.	11	642,467	0	0	0	0	1
009	Douglas Police Dept.	8	417,256	0	0	0	0	1
010	Flagstaff Fire Dept.	23	1,435,141	0	0	3	29,511	3
011	Flagstaff Police Dept.	41	2,866,391	0	0	10	80,560	9
012	Glendale Fire Dept.	46	2,686,963	0	0	0	0	2
013	Glendale Police Dept.	77	5,712,377	0	0	8	29,632	3
014	Globe Fire Dept.	7	337,742	0	0	0	0	0
015	Kingman Fire Dept.	17	901,848	0	0	1	6,338	3
016	Maricopa County Sheriff's Office	151	10,664,945	1	30,973	32	169,024	26
017	Mesa Fire Dept.	112	6,885,336	0	0	0	0	0
018	Mesa Police Dept.	227	16,764,055	0	0	58	271,788	13
020	Nogales Fire Dept.	23	1,016,847	0	0	3	14,070	3
021	Phoenix Fire Dept.	330	20,802,686	1	10,059	5	60,365	1
022	Phoenix Police Dept.	532	36,150,425	1	59,373	157	892,074	52
023	Prescott Fire Dept.	8	460,861	0	0	0	0	1
024	Prescott Police Dept.	21	1,327,581	0	0	4	37,780	2
025	Scottsdale Police Dept.	78	6,105,097	0	0	21	108,108	7
026	Sierra Vista Fire Dept.	15	812,198	0	0	0	0	4
027	Tempe Fire Dept.	30	2,279,547	0	0	1	5,294	0
028	Tempe Police Dept.	64	4,616,849	0	0	9	94,995	1
029	Tucson Fire	72	4,531,803	0	0	7	30,492	7
030	Tucson Police	177	11,582,270	1	21,684	46	225,492	27
031	Winslow Fire Dept.	2	127,086	0	0	0	0	0
032	Yuma Fire Dept.	27	1,680,387	0	0	4	47,580	2
033	Yuma Police Dept.	34	2,087,559	0	0	12	35,148	1
034	Yuma County Sheriff's Dept.	23	1,377,848	0	0	4	20,456	0
035	Game and Fish Dept.	28	1,537,232	0	0	5	10,625	0
036	Sierra Vista Police Dept.	13	813,267	0	0	5	39,050	1
037	Benson Police Dept.	4	216,710	0	0	0	0	0
038	Bisbee Police Dept.	7	342,382	0	0	1	336	3

Employer Number	Employer Name	Number of Actives	Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of Inactive/ Vested	Inactive/ Accum. Member Contrib.	Vested	Number Transferred Out
039	Pima County Sheriff's Dept.	136	7,725,286	1	25,756	27	56,970		1
040	Kingman Police Dept.	17	985,137	0	0	6	11,238		0
041	ASU Campus Police	20	1,200,248	0	0	6	26,988		9
042	Lake Havasu City Fire Dept.	10	692,978	0	0	1	470		2
043	Mohave County Sheriff's Dept.	35	1,919,022	0	0	8	36,744		1
044	Bullhead City Fire Dept.	10	688,977	0	0	4	21,228		2
045	U of A Campus Police	15	876,224	0	0	3	14,853		2
046	Cochise County Sheriff's Dept.	23	1,244,964	0	0	3	13,014		0
047	Safford Police Dept.	3	176,644	0	0	0	0		0
049	Drexel Heights Fire District	16	846,979	0	0	0	0		2
050	Winslow Police Dept.	5	343,751	0	0	3	18,531		0
051	Payson Fire Dept.	9	569,999	0	0	0	0		2
052	Payson Police Dept.	11	725,711	0	0	2	10,684		0
053	Northern AZ. Consolidated Fire District #1	9	567,073	0	0	5	18,250		14
054	Fry Fire District	8	440,295	0	0	0	0		0
055	Fredonia Marshals	2	55,761	0	0	1	2,047		0
056	NAU Campus Police	7	478,345	0	0	1	3,374		4
058	South Tucson Fire Dept.	0	0	0	0	1	1,599		4
059	Avondale Fire Dept.	26	1,565,866	0	0	0	0		1
060	Parker Police Dept.	4	231,679	0	0	1	1,039		2
061	Coconino County Sheriff's Dept.	20	1,310,405	0	0	9	39,573		7
064	Buckskin Fire District	3	216,031	0	0	1	3,510		0
065	Snowflake Police Dept.	3	169,995	0	0	3	39,948		0
066	Cottonwood Police Dept.	6	369,389	0	0	5	12,670		1
067	Lake Havasu City Police Dept.	20	1,546,158	0	0	8	41,184		2
069	South Tucson Police Dept.	5	253,199	0	0	0	0		2
070	Apache Junction Police Dept.	14	940,668	0	0	0	0		2
071	Navajo County Sheriff's Dept.	23	1,195,732	0	0	4	6,244		1
072	Mohave Valley Fire District	11	713,729	0	0	2	11,208		8
073	Peoria Fire Dept.	42	3,071,249	0	0	1	4,426		1
074	Peoria Police Dept.	49	3,775,531	0	0	8	38,392		5
076	Paradise Valley Police Dept.	4	305,065	0	0	0	0		2
077	Willcox Police Dept.	1	51,183	0	0	2	7,868		0
078	Show Low Police Dept.	6	336,212	0	0	2	22,600		0
079	Eloy Police Dept.	5	381,158	0	0	0	0		2
080	Nogales Police Dept.	14	704,849	0	0	1	1,366		1
081	Gilbert Police Dept.	115	8,734,318	0	0	14	107,086		2
083	Clifton Police Dept.	1	63,386	0	0	1	4,638		3
085	Coolidge Police Dept.	14	807,299	0	0	0	0		0
086	Holbrook Police Dept.	6	336,194	0	0	3	11,526		2
087	Santa Cruz County Sheriff's Dept.	13	730,738	0	0	2	44,404		1

Employer Number	Employer Name	Number of Actives	Number of Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of Inactive/ Vested	Inactive/ Accum. Member Contrib.	Number Transferred Out
088	Prescott Valley Police Dept.	25	1,572,819	0	0	2	8,452	1
089	Eagar Police Dept.	0	0	0	0	0	0	0
090	Tolleson Police Dept.	9	641,566	0	0	2	15,768	0
091	Florence Police Dept.	5	329,407	0	0	1	10,734	4
092	Springerville Police Dept.	2	110,427	0	0	0	0	0
093	El Mirage Police Dept.	20	1,568,997	0	0	1	347	2
094	Superior Police Dept.	3	173,703	0	0	0	0	1
095	San Luis Police Dept.	16	1,073,546	0	0	1	233	1
096	Page Police Dept.	10	625,797	0	0	0	0	0
097	Page Fire Dept.	10	577,449	0	0	1	20,600	3
098	Yavapai County Sheriff's Dept.	52	3,083,090	0	0	11	67,606	2
100	Pima Police Dept.	1	88,393	0	0	0	0	1
101	Apache County Sheriff's Dept.	4	238,363	0	0	3	20,262	2
102	Cottonwood Fire Dept.	2	100,203	0	0	0	0	1
103	La Paz County Sheriff's Dept.	15	895,409	0	0	2	10,716	6
104	Pinal County Sheriff's Dept.	27	1,805,200	0	0	7	37,660	2
105	Clarkdale Police Dept.	3	175,757	0	0	0	0	2
106	Buckeye Police Dept.	36	2,700,019	0	0	3	23,784	1
107	Marana Police Dept.	19	1,159,553	0	0	6	31,836	1
108	Tolleson Fire Dept.	5	368,073	0	0	0	0	0
109	Chino Valley Police Dept.	8	486,700	0	0	0	0	0
110	Surprise Police Dept.	48	3,590,983	0	0	3	9,360	0
111	Wellton Police Dept.	3	183,655	0	0	0	0	0
112	Gila County Sheriff's Dept.	12	756,050	0	0	4	23,896	4
113	Pinetop-Lakeside Police Dept.	6	378,047	0	0	0	0	1
114	Bullhead City Police Dept.	15	971,765	0	0	1	1,409	1
115	Williams Police Dept.	4	232,974	0	0	1	2,837	0
116	Miami Police Dept.	3	130,459	0	0	0	0	0
117	Thatcher Police Dept.	1	59,126	0	0	0	0	0
118	Youngtown Police Dept.	0	0	0	0	0	0	0
119	Dept. of Emer & Military Aff	16	842,717	0	0	2	5,842	2
120	Surprise Fire Dept.	29	2,051,627	0	0	0	0	0
121	Camp Verde Marshals	12	735,883	0	0	1	6,784	0
122	Oro Valley Police Dept.	18	1,050,055	0	0	3	14,757	0
123	Greenlee County Sheriff's Dept.	7	449,067	0	0	0	0	1
124	Tucson Airport Authority Fire Dept.	3	212,550	0	0	0	0	0
125	Tucson Airport Authority Police Dept.	5	293,094	0	0	0	0	3
126	Wickenburg Police Dept.	7	459,756	0	0	2	40,488	1
127	El Mirage Fire Dept.	10	815,455	0	0	0	0	3
128	Patagonia Marshals	0	0	0	0	0	0	0
129	Sedona Police Dept.	6	376,337	0	0	0	0	0

Employer Number	Employer Name	Number of Actives	Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of Inactive/ Vested	Inactive/ Accum. Member Contrib.	Number Transferred Out
130	Mammoth Police Dept.	0	0	0	0	0	0	0
131	Globe Police Dept.	13	831,011	0	0	1	1,838	0
132	Tombstone Marshals	2	95,491	0	0	2	20,160	1
133	Golder Ranch Fire District	39	2,030,298	0	0	3	14,853	6
134	Fort Mojave Mesa Fire District	6	296,618	0	0	1	3,371	0
136	Goodyear Fire Dept.	27	2,016,244	0	0	1	21,393	1
137	Goodyear Police Dept.	33	2,575,424	0	0	1	14,035	1
139	Avondale Police Dept.	52	3,836,351	0	0	3	8,388	3
140	Graham County Sheriff's Dept.	7	406,761	0	0	0	0	1
142	Golden Valley Fire District	6	314,509	0	0	0	0	1
143	Daisy Mountain Fire District	32	1,952,100	0	0	0	0	0
144	Quartzsite Police Dept.	3	180,586	0	0	0	0	7
145	Picture Rocks Fire District	9	446,908	0	0	2	24,752	8
146	Pima County Comm. College Police	6	391,541	0	0	1	1,308	3
147	Northwest Fire District	45	2,766,711	0	0	3	31,716	1
148	Superstition Fire and Medical District	26	1,554,965	0	0	3	31,812	0
149	Gilbert Fire Dept.	34	2,329,009	0	0	3	33,096	2
150	Pine-Strawberry Fire District	1	91,424	0	0	0	0	0
151	Attorney General Invest.	6	462,891	0	0	1	22,951	1
153	St. Johns Police Dept.	3	146,292	0	0	0	0	0
154	Pima County Attorney Invest.	0	0	0	0	0	0	0
156	Kearny Police Dept.	1	43,671	0	0	1	11,678	0
158	Navajo County Attorney Invest.	0	0	0	0	0	0	0
162	Avra Valley Fire District	18	749,440	0	0	1	573	5
163	San Luis Fire Dept.	14	819,200	0	0	2	13,690	2
164	AZ Dept. Liq. Lic. & Control Invest.	1	59,947	0	0	0	0	0
165	Maricopa County Attorney Invest.	2	179,099	0	0	0	0	0
166	Sedona Fire District	15	964,575	0	0	0	0	0
167	Guadalupe Fire Dept.	1	67,994	0	0	0	0	1
168	Mayer Fire District	6	345,684	0	0	0	0	0
169	Somerton Police Dept.	8	458,635	0	0	4	13,516	3
171	Somerton Fire Dept.	8	431,741	0	0	6	41,286	6
172	Tubac Fire District	7	411,210	0	0	1	20,448	1
174	Sahuarita Police Dept.	11	728,804	0	0	5	27,005	3
176	Florence Fire Dept.	5	267,442	0	0	0	0	0
177	Sun City Fire District	13	809,809	0	0	1	26,114	2
178	Hayden Police Dept.	1	50,388	0	0	0	0	2
179	Gila River Fire Dept.	20	1,055,093	0	0	2	5,498	2
180	Gila River Police Dept.	35	2,193,691	0	0	4	30,004	10

Employer Number	Employer Name	Number of Actives	Number of Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of Inactive/ Vested	Inactive/ Accum. Member Contrib.	Number Transferred Out
181	Salt River Pima-Maricopa Fire	12	976,460	0	0	1	620	4
182	Salt River Pima-Maricopa Police	27	2,213,626	1	30,030	8	102,192	9
185	Pinetop Fire District	7	442,313	0	0	0	0	0
187	Yavapai County Attorney Invest.	0	0	0	0	0	0	0
188	Three Points Fire District	2	94,251	0	0	2	18,224	0
190	Buckeye Fire Dept.	17	953,754	0	0	0	0	0
192	Heber-Overgaard Fire District	2	106,585	0	0	0	0	0
193	Hellsgate Fire District	1	80,067	0	0	0	0	0
194	Green Valley Fire District	18	1,005,468	0	0	3	22,227	2
195	Summit Fire District	10	524,642	0	0	1	8,290	2
197	Fort McDowell Tribal Fire Dept.	6	406,200	0	0	2	13,982	2
198	Fort McDowell Tribal Police Dept.	4	298,565	0	0	1	16,280	0
199	Highlands Fire District	7	401,476	0	0	0	0	1
200	Rio Rico Fire District	9	476,017	0	0	0	0	6
201	Tri-City Fire District	5	324,060	0	0	1	2,150	1
202	Maricopa County Park Rangers	0	0	0	0	0	0	0
203	Verde Valley Fire District	7	470,218	0	0	1	1,392	2
204	AZ. State Park Rangers	0	0	0	0	0	0	0
206	Hualapai Indian Tribe Police Dept.	3	210,922	1	28,715	1	778	4
207	Pinewood Fire District	3	203,851	0	0	0	0	0
208	Rincon Valley Fire District	8	430,583	0	0	0	0	0
210	Jerome Police Dept.	0	0	0	0	0	0	0
211	Fort Mojave Tribal Police Dept.	1	79,695	0	0	1	14,827	1
212	Buckeye Valley Fire District	18	972,155	0	0	1	27,779	5
213	Eloy Fire District	9	522,295	0	0	2	25,194	2
214	Pascua Yaqui Tribe Fire Dept.	9	547,695	0	0	2	10,042	0
215	Pascua Yaqui Tribe Police Dept.	5	324,114	0	0	0	0	0
216	Town of Superior Fire Dept.	3	129,744	0	0	1	6,709	1
217	Wickenburg Fire Dept.	4	249,779	0	0	0	0	0
221	Quartzsite Fire District	3	171,782	0	0	0	0	3
222	Rio Verde Fire District	11	748,318	0	0	0	0	1
223	Scottsdale Fire Dept.	69	4,340,922	0	0	5	57,735	3
224	Ak Chin Indian Comm. Fire Dept.	4	220,728	0	0	0	0	2
225	Ak Chin Indian Comm. Police Dept.	5	335,348	0	0	0	0	1
226	Corona De Tucson Fire District	0	0	0	0	0	0	0
227	Golden Shores Fire District	0	0	0	0	0	0	1
228	City of Maricopa Fire Dept.	9	601,691	0	0	0	0	1
229	Cave Creek Marshals	0	0	0	0	0	0	0

Employer Number	Employer Name	Number of Actives	Number of Active Payroll	Number of Retirees	Annual Retiree Benefits	Number of Inactive/ Vested	Inactive/ Vested Accum. Member Contrib.	Number Transferred Out
231	San Carlos Tribal Police Dept.	7	579,379	0	0	0	0	1
232	Groom Creek Fire District	4	208,119	0	0	0	0	0
233	Mount Lemmon Fire District	1	49,926	0	0	0	0	0
234	Yavapai Prescott Tribal Police	4	277,620	0	0	0	0	1
235	Tohono O'odham Nation Fire Dept.	9	533,794	0	0	0	0	2
236	Tohono O'odham Nation Police Dept.	24	1,885,821	0	0	3	3,645	1
237	Williamson Valley Fire District	14	1,142,330	0	0	0	0	3
238	Harquahala Fire District	0	0	0	0	0	0	0
239	Coolidge Fire Dept.	3	157,857	0	0	0	0	0
242	Central AZ. College Police Dept.	4	259,288	0	0	0	0	0
243	City of Maricopa Police Dept.	15	1,063,644	0	0	3	8,106	4
244	Oracle Fire District	3	179,313	0	0	0	0	1
245	Benson Fire Dept.	0	0	0	0	0	0	0
246	Desert Hills Fire Dept.	4	221,029	0	0	0	0	1
247	Queen Creek Fire Dept.	25	1,831,924	0	0	0	0	0
248	Sonoita Elgin Fire Dept.	6	332,812	0	0	2	6,856	3
249	Christopher-Kohl's Fire District	2	138,764	0	0	0	0	0
250	Whetstone Fire District	5	290,587	0	0	0	0	5
251	Queen Valley Fire District	0	0	0	0	0	0	0
252	Lake Mohave Ranchos Fire District	3	176,351	0	0	0	0	0
253	Huachuca City Police Dept.	1	52,603	0	0	0	0	0
254	Palominas Fire District	8	377,315	0	0	4	24,576	3
255	Sun Sites Pearce Fire District	1	64,785	0	0	0	0	0
256	Ponderosa Fire District	4	291,251	0	0	0	0	1
257	Timber Mesa Fire and Medical Dist	28	1,572,770	0	0	7	33,747	2
258	Central AZ Fire and Medical	26	1,662,114	0	0	0	0	1
259	Copper Canyon Fire and Medical	16	999,112	0	0	1	5,300	0
261	Beaver Dam/Littlefield Fire Dist.	0	0	0	0	0	0	0
262	Blue Ridge Fire District	0	0	0	0	0	0	0
263	Arizona Fire & Medical Authority	26	1,655,621	0	0	0	0	0
264	Taylor Snowlake Fire & Medical	12	765,554	0	0	1	37,755	1
265	Queen Creek Police Dept.	23	1,800,188	0	0	0	0	0
	TOTAL	4,911	323,442,906	8	239,619	741	4,261,554	N/A

APPENDIX C: SUMMARY OF PENSION FUNDED STATUS BY EMPLOYER - TIERS 1 & 2

Employer Number	Employer Name	Liability (PVB)	Liability (AAL)	Assets (AVA)	Assets (MV)	Unfunded (AAL - AVA)	Unfunded (AAL - MV)	Funded Percent (AVA/AAL)	Funded Percent (MV/AAL)
001	Bisbee Fire Dept.	13,222,671	11,959,374	11,751,027	11,439,599	208,347	519,775	98.3%	95.7%
002	Casa Grande Fire Dept.	54,914,938	48,514,743	49,434,865	48,124,733	(920,122)	390,010	101.9%	99.2%
003	Casa Grande Police Dept.	73,660,029	68,311,918	68,479,037	66,664,193	(167,119)	1,647,725	100.2%	97.6%
004	Chandler Fire Dept.	235,479,153	205,948,576	162,284,915	157,984,011	43,663,661	47,964,565	78.8%	76.7%
005	Chandler Police Dept.	382,335,370	344,904,006	252,106,973	245,425,588	92,797,033	99,478,418	73.1%	71.2%
006	Clifton Fire Dept.	275,840	275,840	56,287	54,795	219,553	221,045	20.4%	19.9%
007	Dept. of Public Safety	1,573,986,435	1,439,873,271	1,432,167,805	1,394,212,232	7,705,466	45,661,039	99.5%	96.8%
008	Douglas Fire Dept.	22,158,578	19,888,669	19,940,751	19,412,278	(52,082)	476,391	100.3%	97.6%
009	Douglas Police Dept.	31,222,776	29,029,236	29,329,686	28,552,385	(300,450)	476,851	101.0%	98.4%
010	Flagstaff Fire Dept.	116,633,194	106,734,412	113,744,796	110,730,311	(7,010,384)	(3,995,899)	106.6%	103.7%
011	Flagstaff Police Dept.	105,186,903	98,418,393	102,004,419	99,301,079	(3,586,026)	(882,686)	103.6%	100.9%
012	Glendale Fire Dept.	299,839,575	260,498,743	240,412,114	234,040,668	20,086,629	26,458,075	92.3%	89.8%
013	Glendale Police Dept.	477,406,587	428,956,960	390,081,605	379,743,591	38,875,355	49,213,369	90.9%	88.5%
014	Globe Fire Dept.	12,374,650	11,088,030	7,583,726	7,382,741	3,504,304	3,705,289	68.4%	66.6%
015	Kingman Fire Dept.	43,309,835	39,095,190	39,898,726	38,841,323	(803,536)	253,867	102.1%	99.4%
016	Maricopa County Sheriff's Office	767,170,605	711,278,037	384,003,854	373,826,914	327,274,183	337,451,123	54.0%	52.6%
017	Mesa Fire Dept.	575,705,225	506,210,667	259,958,328	253,068,865	246,252,339	253,141,802	51.4%	50.0%
018	Mesa Police Dept.	1,027,684,825	940,954,891	467,287,415	454,903,279	473,667,476	486,051,612	49.7%	48.3%
020	Nogales Fire Dept.	36,664,376	34,353,985	16,457,819	16,021,651	17,896,166	18,332,334	47.9%	46.6%
021	Phoenix Fire Dept.	2,448,874,373	2,163,385,977	971,671,898	945,920,472	1,191,714,079	1,217,465,505	44.9%	43.7%
022	Phoenix Police Dept.	4,268,783,124	3,975,533,736	1,671,512,140	1,627,213,420	2,304,021,596	2,348,320,316	42.0%	40.9%
023	Prescott Fire Dept.	90,965,390	84,709,505	78,172,602	76,100,857	6,536,903	8,608,648	92.3%	89.8%
024	Prescott Police Dept.	70,493,619	65,376,819	63,319,429	61,641,326	2,057,390	3,735,493	96.9%	94.3%
025	Scottsdale Police Dept.	484,932,320	440,579,491	283,808,091	276,286,557	156,771,400	164,292,934	64.4%	62.7%
026	Sierra Vista Fire Dept.	43,799,173	38,824,148	23,721,087	23,092,426	15,103,061	15,731,722	61.1%	59.5%
027	Tempe Fire Dept.	269,203,721	238,054,955	226,352,689	220,353,849	11,702,266	17,701,106	95.1%	92.6%
028	Tempe Police Dept.	452,875,370	408,183,406	390,000,417	379,664,555	18,182,989	28,518,851	95.5%	93.0%
029	Tucson Fire	776,782,928	702,690,555	245,097,490	238,601,872	457,593,065	464,088,683	34.9%	34.0%
030	Tucson Police	1,162,643,284	1,098,622,413	383,101,183	372,948,165	715,521,230	725,674,248	34.9%	33.9%
031	Winslow Fire Dept.	4,731,145	3,803,861	8,639,391	8,410,428	(4,835,530)	(4,606,567)	227.1%	221.1%
032	Yuma Fire Dept.	124,712,732	112,231,898	112,288,976	109,313,073	(57,078)	2,918,825	100.1%	97.4%
033	Yuma Police Dept.	148,948,021	138,526,771	138,731,014	135,054,339	(204,243)	3,472,432	100.1%	97.5%
034	Yuma County Sheriff's Dept.	56,003,140	50,337,730	52,701,676	51,304,967	(2,363,946)	(967,237)	104.7%	101.9%
035	Game and Fish Dept.	145,961,645	139,644,580	141,214,281	137,471,794	(1,569,701)	2,172,786	101.1%	98.4%
036	Sierra Vista Police Dept.	58,884,984	55,353,147	29,477,929	28,696,700	25,875,218	26,656,447	53.3%	51.8%
037	Benson Police Dept.	7,556,680	6,826,826	3,652,971	3,556,159	3,173,855	3,270,667	53.5%	52.1%
038	Bisbee Police Dept.	11,303,387	11,186,916	10,838,265	10,551,027	348,651	635,889	96.9%	94.3%

Employer						Unfunded	Unfunded	Funded	Funded
Number	Employer Name	Liability (PVB)	Liability (AAL)	Assets (AVA)	Assets (MV)	(AAL - AVA)	(AAL - MV)	Percent	Percent
								(AVA/AAL)	(MV/AAL)
039	Pima County Sheriff's Dept.	501,616,015	472,478,725	414,222,176	403,244,384	58,256,549	69,234,341	87.7%	85.3%
040	Kingman Police Dept.	40,084,629	37,345,222	38,825,232	37,796,279	(1,480,010)	(451,057)	104.0%	101.2%
041	ASU Campus Police	60,912,336	53,445,339	52,961,185	51,557,598	484,154	1,887,741	99.1%	96.5%
042	Lake Havasu City Fire Dept.	82,882,620	74,828,604	38,227,765	37,214,646	36,600,839	37,613,958	51.1%	49.7%
043	Mohave County Sheriff's Dept.	61,120,696	55,952,708	30,060,082	29,263,424	25,892,626	26,689,284	53.7%	52.3%
044	Bullhead City Fire Dept.	76,962,259	68,958,805	63,255,448	61,579,041	5,703,357	7,379,764	91.7%	89.3%
045	U of A Campus Police	44,567,974	41,150,972	39,890,830	38,833,636	1,260,142	2,317,336	96.9%	94.4%
046	Cochise County Sheriff's Dept.	67,464,593	63,155,453	30,289,153	29,486,424	32,866,300	33,669,029	48.0%	46.7%
047	Safford Police Dept.	22,074,514	20,683,952	19,179,741	18,671,436	1,504,211	2,012,516	92.7%	90.3%
049	Drexel Heights Fire District	51,979,307	45,156,146	31,811,656	30,968,578	13,344,490	14,187,568	70.4%	68.6%
050	Winslow Police Dept.	15,041,352	13,379,289	7,875,261	7,666,549	5,504,028	5,712,740	58.9%	57.3%
051	Payson Fire Dept.	22,261,911	19,214,497	12,248,330	11,923,723	6,966,167	7,290,774	63.7%	62.1%
052	Payson Police Dept.	23,943,104	22,636,159	10,759,936	10,474,774	11,876,223	12,161,385	47.5%	46.3%
053	Northern AZ. Consolidated Fire District #	11,543,963	10,613,704	10,264,588	9,992,554	349,116	621,150	96.7%	94.1%
054	Fry Fire District	38,621,549	33,425,968	31,928,994	31,082,806	1,496,974	2,343,162	95.5%	93.0%
055	Fredonia Marshals	686,273	686,273	853,340	830,725	(167,067)	(144,452)	124.3%	121.0%
056	NAU Campus Police	16,002,442	14,919,585	14,524,233	14,139,309	395,352	780,276	97.4%	94.8%
058	South Tucson Fire Dept.	4,802,998	4,802,998	1,964,909	1,912,835	2,838,089	2,890,163	40.9%	39.8%
059	Avondale Fire Dept.	62,602,265	49,197,367	38,010,444	37,003,084	11,186,923	12,194,283	77.3%	75.2%
060	Parker Police Dept.	6,090,593	5,293,733	3,830,116	3,728,610	1,463,617	1,565,123	72.4%	70.4%
061	Coconino County Sheriff's Dept.	59,179,652	54,673,356	59,065,937	57,500,561	(4,392,581)	(2,827,205)	108.0%	105.2%
064	Buckskin Fire District	11,103,986	9,892,290	9,552,074	9,298,923	340,216	593,367	96.6%	94.0%
065	Snowflake Police Dept.	7,501,872	6,887,229	3,492,462	3,399,904	3,394,767	3,487,325	50.7%	49.4%
066	Cottonwood Police Dept.	25,695,214	23,431,347	23,740,151	23,110,985	(308,804)	320,362	101.3%	98.6%
067	Lake Havasu City Police Dept.	78,917,469	73,160,777	34,339,062	33,429,002	38,821,715	39,731,775	46.9%	45.7%
069	South Tucson Police Dept.	10,742,318	10,510,456	159,341	155,118	10,351,115	10,355,338	1.5%	1.5%
070	Apache Junction Police Dept.	53,176,090	48,199,796	20,310,413	19,772,143	27,889,383	28,427,653	42.1%	41.0%
071	Navajo County Sheriff's Dept.	23,848,358	21,601,812	22,459,921	21,864,684	(858,109)	(262,872)	104.0%	101.2%
072	Mohave Valley Fire District	15,599,736	13,265,104	11,358,693	11,057,663	1,906,411	2,207,441	85.6%	83.4%
073	Peoria Fire Dept.	181,456,203	144,049,550	111,060,761	108,117,408	32,988,789	35,932,142	77.1%	75.1%
074	Peoria Police Dept.	197,907,408	171,789,337	131,292,347	127,812,813	40,496,990	43,976,524	76.4%	74.4%
076	Paradise Valley Police Dept.	49,283,462	44,519,899	40,323,332	39,254,676	4,196,567	5,265,223	90.6%	88.2%
077	Willcox Police Dept.	8,178,124	7,507,139	7,616,577	7,414,721	(109,438)	92,418	101.5%	98.8%
078	Show Low Police Dept.	26,437,893	23,832,247	23,304,350	22,686,734	527,897	1,145,513	97.8%	95.2%
079	Eloy Police Dept.	18,457,739	16,337,509	15,897,945	15,476,615	439,564	860,894	97.3%	94.7%
080	Nogales Police Dept.	41,669,219	39,686,030	21,757,448	21,180,828	17,928,582	18,505,202	54.8%	53.4%
081	Gilbert Police Dept.	223,277,015	189,998,178	173,019,557	168,434,161	16,978,621	21,564,017	91.1%	88.7%
083	Clifton Police Dept.	1,799,356	1,511,805	1,093,555	1,064,573	418,250	447,232	72.3%	70.4%
085	Coolidge Police Dept.	17,911,339	16,767,464	16,603,516	16,163,487	163,948	603,977	99.0%	96.4%
086	Holbrook Police Dept.	11,113,402	10,616,647	4,497,003	4,377,823	6,119,644	6,238,824	42.4%	41.2%
087	Santa Cruz County Sheriff's Dept.	23,040,785	21,461,448	19,364,126	18,850,934	2,097,322	2,610,514	90.2%	87.8%

Employer						Unfunded	Unfunded	Funded	Funded
Number	Employer Name	Liability (PVB)	Liability (AAL)	Assets (AVA)	Assets (MV)	(AAL - AVA)	(AAL - MV)	Percent	Percent
088	Prescott Valley Police Dept.	48,894,548	43,375,331	34,900,712	33,975,767	8,474,619	9,399,564	80.5%	78.3%
089	Eagar Police Dept.	6,148,033	5,543,609	2,535,381	2,468,188	3,008,228	3,075,421	45.7%	44.5%
090	Tolleson Police Dept.	21,206,708	18,483,290	16,101,541	15,674,815	2,381,749	2,808,475	87.1%	84.8%
091	Florence Police Dept.	10,956,555	9,717,191	9,644,804	9,389,196	72,387	327,995	99.3%	96.6%
092	Springerville Police Dept.	3,955,128	3,625,217	2,017,855	1,964,377	1,607,362	1,660,840	55.7%	54.2%
093	El Mirage Police Dept.	35,341,090	30,456,250	21,376,795	20,810,263	9,079,455	9,645,987	70.2%	68.3%
094	Superior Police Dept.	2,694,102	2,286,090	1,692,457	1,647,603	593,633	638,487	74.0%	72.1%
095	San Luis Police Dept.	18,060,009	15,362,094	15,426,307	15,017,476	(64,213)	344,618	100.4%	97.8%
096	Page Police Dept.	9,812,358	8,762,437	8,955,241	8,717,908	(192,804)	44,529	102.2%	99.5%
097	Page Fire Dept.	5,052,213	3,667,254	3,907,554	3,803,995	(240,300)	(136,741)	106.6%	103.7%
098	Yavapai County Sheriff's Dept.	89,978,490	83,666,610	55,693,526	54,217,526	27,973,084	29,449,084	66.6%	64.8%
100	Pima Police Dept.	1,280,806	812,398	1,110,789	1,081,351	(298,391)	(268,953)	136.7%	133.1%
101	Apache County Sheriff's Dept.	19,695,614	18,746,174	18,886,098	18,385,575	(139,924)	360,599	100.7%	98.1%
102	Cottonwood Fire Dept.	15,824,556	13,706,115	14,203,271	13,826,853	(497,156)	(120,738)	103.6%	100.9%
103	La Paz County Sheriff's Dept.	23,561,007	22,409,435	8,299,582	8,079,625	14,109,853	14,329,810	37.0%	36.1%
104	Pinal County Sheriff's Dept.	170,902,759	149,605,809	151,801,033	147,777,974	(2,195,224)	1,827,835	101.5%	98.8%
105	Clarkdale Police Dept.	4,727,038	4,173,858	2,982,297	2,903,260	1,191,561	1,270,598	71.5%	69.6%
106	Buckeye Police Dept.	64,554,449	52,970,190	38,081,445	37,072,204	14,888,745	15,897,986	71.9%	70.0%
107	Marana Police Dept.	58,152,587	48,698,915	31,926,417	31,080,297	16,772,498	17,618,618	65.6%	63.8%
108	Tolleson Fire Dept.	25,702,013	21,730,133	18,934,503	18,432,697	2,795,630	3,297,436	87.1%	84.8%
109	Chino Valley Police Dept.	12,565,369	11,214,803	8,782,108	8,549,363	2,432,695	2,665,440	78.3%	76.2%
110	Surprise Police Dept.	114,978,093	96,473,442	65,172,643	63,445,426	31,300,799	33,028,016	67.6%	65.8%
111	Wellton Police Dept.	3,736,370	3,393,520	3,545,777	3,451,806	(152,257)	(58,286)	104.5%	101.7%
112	Gila County Sheriff's Dept.	25,647,538	23,657,550	24,455,805	23,807,673	(798,255)	(150,123)	103.4%	100.6%
113	Pinetop-Lakeside Police Dept.	9,795,198	9,396,143	8,945,144	8,708,078	450,999	688,065	95.2%	92.7%
114	Bullhead City Police Dept.	68,327,737	63,354,338	31,792,668	30,950,093	31,561,670	32,404,245	50.2%	48.9%
115	Williams Police Dept.	4,350,939	3,896,643	2,785,800	2,711,970	1,110,843	1,184,673	71.5%	69.6%
116	Miami Police Dept.	3,769,949	3,708,287	1,820,839	1,772,583	1,887,448	1,935,704	49.1%	47.8%
117	Thatcher Police Dept.	10,770,285	9,962,843	7,982,953	7,771,387	1,979,890	2,191,456	80.1%	78.0%
118	Youngtown Police Dept.	1,410,511	1,410,511	529,473	515,441	881,038	895,070	37.5%	36.5%
119	Dept. of Emer & Military Aff	24,947,570	22,577,379	21,952,049	21,370,272	625,330	1,207,107	97.2%	94.7%
120	Surprise Fire Dept.	120,622,401	93,962,761	74,960,080	72,973,474	19,002,681	20,989,287	79.8%	77.7%
121	Camp Verde Marshals	8,716,259	8,081,733	8,428,062	8,204,700	(346,329)	(122,967)	104.3%	101.5%
122	Oro Valley Police Dept.	84,862,211	76,438,334	77,967,201	75,900,900	(1,528,867)	537,434	102.0%	99.3%
123	Greenlee County Sheriff's Dept.	10,497,084	9,697,884	7,771,970	7,565,996	1,925,914	2,131,888	80.1%	78.0%
124	Tucson Airport Authority Fire Dept.	22,430,915	20,538,606	18,847,435	18,347,937	1,691,171	2,190,669	91.8%	89.3%
125	Tucson Airport Authority Police Dept.	26,150,829	23,493,843	22,415,389	21,821,332	1,078,454	1,672,511	95.4%	92.9%
126	Wickenburg Police Dept.	9,657,241	8,381,590	8,224,585	8,006,616	157,005	374,974	98.1%	95.5%
127	El Mirage Fire Dept.	17,347,453	12,222,610	11,209,041	10,911,977	1,013,569	1,310,633	91.7%	89.3%
128	Patagonia Marshals	1,488,732	1,488,732	950,916	925,715	537,816	563,017	63.9%	62.2%
129	Sedona Police Dept.	19,104,793	17,111,182	11,923,877	11,607,868	5,187,305	5,503,314	69.7%	67.8%

Employer Number	Employer Name	Liability (PVB)	Liability (AAL)	Assets (AVA)	Assets (MV)	Unfunded (AAL - AVA)	Unfunded (AAL - MV)	Funded Percent (AVA/AAL)	Funded Percent (MV/AAL)
130	Mammoth Police Dept.	1,739,364	1,370,878	616,175	599,845	754,703	771,033	44.9%	43.8%
131	Globe Police Dept.	13,204,905	12,375,810	8,031,491	7,818,639	4,344,319	4,557,171	64.9%	63.2%
132	Tombstone Marshals	815,746	583,732	1,578,779	1,536,938	(995,047)	(953,206)	270.5%	263.3%
133	Golder Ranch Fire District	118,741,315	91,945,157	91,684,897	89,255,047	260,260	2,690,110	99.7%	97.1%
134	Fort Mojave Mesa Fire District	27,518,296	24,968,673	23,476,457	22,854,280	1,492,216	2,114,393	94.0%	91.5%
136	Goodyear Fire Dept.	90,708,435	73,323,809	71,123,230	69,238,309	2,200,579	4,085,500	97.0%	94.4%
137	Goodyear Police Dept.	91,831,732	73,733,272	64,969,296	63,247,468	8,763,976	10,485,804	88.1%	85.8%
139	Avondale Police Dept.	83,558,693	68,920,526	46,734,502	45,495,936	22,186,024	23,424,590	67.8%	66.0%
140	Graham County Sheriff's Dept.	11,719,845	10,641,395	9,499,185	9,247,436	1,142,210	1,393,959	89.3%	86.9%
142	Golden Valley Fire District	11,101,725	9,008,893	7,056,182	6,869,178	1,952,711	2,139,715	78.3%	76.2%
143	Daisy Mountain Fire District	75,137,752	62,072,252	58,993,551	57,430,093	3,078,701	4,642,159	95.0%	92.5%
144	Quartzsite Police Dept.	4,192,298	3,858,205	3,578,062	3,483,236	280,143	374,969	92.7%	90.3%
145	Picture Rocks Fire District	7,713,951	6,779,726	5,008,347	4,875,615	1,771,379	1,904,111	73.9%	71.9%
146	Pima County Comm. College Police	17,188,650	15,314,049	10,015,951	9,750,506	5,298,098	5,563,543	65.4%	63.7%
147	Northwest Fire District	170,982,267	147,739,708	101,741,743	99,045,365	45,997,965	48,694,343	68.9%	67.0%
148	Superstition Fire and Medical District	83,570,049	74,195,707	72,096,500	70,185,785	2,099,207	4,009,922	97.2%	94.6%
149	Gilbert Fire Dept.	172,712,490	139,835,987	125,036,275	121,722,541	14,799,712	18,113,446	89.4%	87.0%
150	Pine-Strawberry Fire District	14,717,652	12,828,291	7,371,202	7,175,849	5,457,089	5,652,442	57.5%	55.9%
151	Attorney General Invest.	23,021,080	21,334,007	21,518,779	20,948,484	(184,772)	385,523	100.9%	98.2%
153	St. Johns Police Dept.	3,140,448	2,839,418	1,917,201	1,866,391	922,217	973,027	67.5%	65.7%
154	Pima County Attorney Invest.	4,768,202	4,602,813	3,089,821	3,007,934	1,512,992	1,594,879	67.1%	65.3%
156	Kearny Police Dept.	3,075,496	2,776,621	1,776,089	1,729,019	1,000,532	1,047,602	64.0%	62.3%
158	Navajo County Attorney Invest.	614,950	614,950	143,227	139,431	471,723	475,519	23.3%	22.7%
162	Avra Valley Fire District	10,660,146	8,023,853	7,774,944	7,568,891	248,909	454,962	96.9%	94.3%
163	San Luis Fire Dept.	14,359,664	11,411,937	11,992,648	11,674,817	(580,711)	(262,880)	105.1%	102.3%
164	AZ Dept. Liq. Lic. & Control Invest.	14,328,336	13,653,659	13,932,767	13,563,518	(279,108)	90,141	102.0%	99.3%
165	Maricopa County Attorney Invest.	13,936,193	13,395,828	11,947,452	11,630,818	1,448,376	1,765,010	89.2%	86.8%
166	Sedona Fire District	75,808,557	66,074,004	40,915,928	39,831,567	25,158,076	26,242,437	61.9%	60.3%
167	Guadalupe Fire Dept.	4,869,466	3,746,522	2,261,627	2,201,689	1,484,895	1,544,833	60.4%	58.8%
168	Mayer Fire District	8,304,840	7,296,646	4,980,815	4,848,813	2,315,831	2,447,833	68.3%	66.5%
169	Somerton Police Dept.	8,979,510	8,550,762	5,439,222	5,295,071	3,111,540	3,255,691	63.6%	61.9%
171	Somerton Fire Dept.	8,109,129	6,949,264	5,556,365	5,409,109	1,392,899	1,540,155	80.0%	77.8%
172	Tubac Fire District	13,403,069	11,613,223	8,711,005	8,480,144	2,902,218	3,133,079	75.0%	73.0%
174	Sahuarita Police Dept.	25,505,973	20,177,250	20,652,309	20,104,978	(475,059)	72,272	102.4%	99.6%
176	Florence Fire Dept.	13,824,810	11,126,009	11,203,497	10,906,580	(77,488)	219,429	100.7%	98.0%
177	Sun City Fire District	78,237,736	69,554,615	65,464,559	63,729,605	4,090,056	5,825,010	94.1%	91.6%
178	Hayden Police Dept.	1,173,972	890,891	2,642,603	2,572,568	(1,751,712)	(1,681,677)	296.6%	288.8%
179	Gila River Fire Dept.	35,528,622	28,796,074	24,708,288	24,053,464	4,087,786	4,742,610	85.8%	83.5%
180	Gila River Police Dept.	46,747,234	38,939,488	36,938,302	35,959,356	2,001,186	2,980,132	94.9%	92.3%

Employer						Unfunded	Unfunded	Funded	Funded
Number	Employer Name	Liability (PVB)	Liability (AAL)	Assets (AVA)	Assets (MV)	(AAL - AVA)	(AAL - MV)	Percent	Percent
								(AVA/AAL)	(MV/AAL)
181	Salt River Pima-Maricopa Fire	84,012,866	68,161,652	49,715,240	48,397,678	18,446,412	19,763,974	72.9%	71.0%
182	Salt River Pima-Maricopa Police	84,186,455	68,384,961	47,587,478	46,326,306	20,797,483	22,058,655	69.6%	67.7%
185	Pinetop Fire District	23,122,919	20,383,945	19,524,623	19,007,178	859,322	1,376,767	95.8%	93.2%
187	Yavapai County Attorney Invest.	1,147,931	1,147,931	137,890	134,236	1,010,041	1,013,695	12.0%	11.7%
188	Three Points Fire District	7,505,214	6,598,657	5,363,241	5,221,103	1,235,416	1,377,554	81.3%	79.1%
190	Buckeye Fire Dept.	66,474,804	49,419,516	46,260,552	45,034,546	3,158,964	4,384,970	93.6%	91.1%
192	Heber-Overgaard Fire District	6,817,894	5,745,185	4,926,242	4,795,686	818,943	949,499	85.7%	83.5%
193	Hellsgate Fire District	5,692,450	4,695,801	4,349,877	4,234,596	345,924	461,205	92.6%	90.2%
194	Green Valley Fire District	50,290,997	41,786,013	25,796,204	25,112,548	15,989,809	16,673,465	61.7%	60.1%
195	Summit Fire District	23,599,818	20,746,584	20,525,035	19,981,077	221,549	765,507	98.9%	96.3%
197	Fort McDowell Tribal Fire Dept.	5,147,280	4,127,849	3,993,731	3,887,888	134,118	239,961	96.8%	94.2%
198	Fort McDowell Tribal Police Dept.	9,969,443	9,185,536	8,404,792	8,182,047	780,744	1,003,489	91.5%	89.1%
199	Highlands Fire District	19,182,808	16,243,109	16,936,675	16,487,816	(693,566)	(244,707)	104.3%	101.5%
200	Rio Rico Fire District	11,656,296	8,825,823	8,525,745	8,299,794	300,078	526,029	96.6%	94.0%
201	Tri-City Fire District	10,994,757	9,020,333	7,032,676	6,846,295	1,987,657	2,174,038	78.0%	75.9%
202	Maricopa County Park Rangers	2,037,020	2,037,020	1,521,185	1,480,870	515,835	556,150	74.7%	72.7%
203	Verde Valley Fire District	26,437,269	22,289,269	22,699,288	22,097,707	(410,019)	191,562	101.8%	99.1%
204	AZ. State Park Rangers	19,312,567	18,992,086	19,042,705	18,538,032	(50,619)	454,054	100.3%	97.6%
206	Hualapai Indian Tribe Police Dept.	5,680,958	4,853,013	4,046,277	3,939,042	806,736	913,971	83.4%	81.2%
207	Pinewood Fire District	14,212,786	11,207,000	6,656,958	6,480,534	4,550,042	4,726,466	59.4%	57.8%
208	Rincon Valley Fire District	18,535,408	13,598,764	11,310,110	11,010,367	2,288,654	2,588,397	83.2%	81.0%
210	Jerome Police Dept.	1,406,579	1,260,379	1,148,492	1,118,054	111,887	142,325	91.1%	88.7%
211	Fort Mojave Tribal Police Dept.	7,943,550	6,380,960	6,177,345	6,013,632	203,615	367,328	96.8%	94.2%
212	Buckeye Valley Fire District	36,643,577	26,126,672	21,355,565	20,789,596	4,771,107	5,337,076	81.7%	79.6%
213	Eloy Fire District	16,215,589	12,364,490	11,358,737	11,057,706	1,005,753	1,306,784	91.9%	89.4%
214	Pascua Yaqui Tribe Fire Dept.	16,701,524	14,503,746	9,300,094	9,053,621	5,203,652	5,450,125	64.1%	62.4%
215	Pascua Yaqui Tribe Police Dept.	22,646,913	19,973,535	12,487,189	12,156,251	7,486,346	7,817,284	62.5%	60.9%
216	Town of Superior Fire Dept.	1,130,718	895,384	1,123,286	1,093,516	(227,902)	(198,132)	125.5%	122.1%
217	Wickenburg Fire Dept.	5,645,892	4,579,343	4,413,384	4,296,420	165,959	282,923	96.4%	93.8%
221	Quartzsite Fire District	4,655,858	3,571,323	2,752,582	2,679,633	818,741	891,690	77.1%	75.0%
222	Rio Verde Fire District	12,001,478	10,561,301	9,389,896	9,141,043	1,171,405	1,420,258	88.9%	86.6%
223	Scottsdale Fire Dept.	216,229,508	175,460,788	150,282,036	146,299,234	25,178,752	29,161,554	85.6%	83.4%
224	Ak Chin Indian Comm. Fire Dept.	16,565,558	13,455,758	10,941,409	10,651,438	2,514,349	2,804,320	81.3%	79.2%
225	Ak Chin Indian Comm. Police Dept.	6,503,035	5,398,229	5,712,698	5,561,299	(314,469)	(163,070)	105.8%	103.0%
226	Corona De Tucson Fire District	10,100,966	6,939,599	5,337,246	5,195,797	1,602,353	1,743,802	76.9%	74.9%
227	Golden Shores Fire District	3,208,220	2,468,749	2,238,444	2,179,120	230,305	289,629	90.7%	88.3%
228	City of Maricopa Fire Dept.	40,978,537	32,978,359	29,242,404	28,467,416	3,735,955	4,510,943	88.7%	86.3%
229	Cave Creek Marshals	755,475	685,362	669,699	651,951	15,663	33,411	97.7%	95.1%

Employer						Unfunded	Unfunded	Funded	Funded
Number	Employer Name	Liability (PVB)	Liability (AAL)	Assets (AVA)	Assets (MV)	(AAL - AVA)	(AAL - MV)	Percent	Percent
								(AVA/AAL)	(MV/AAL)
231	San Carlos Tribal Police Dept.	12,065,368	8,701,840	7,863,774	7,655,367	838,066	1,046,473	90.4%	88.0%
232	Groom Creek Fire District	1,039,507	741,220	1,393,224	1,356,301	(652,004)	(615,081)	188.0%	183.0%
233	Mount Lemmon Fire District	2,151,745	1,761,379	1,679,469	1,634,959	81,910	126,420	95.3%	92.8%
234	Yavapai Prescott Tribal Police	2,459,449	2,046,993	1,981,222	1,928,715	65,771	118,278	96.8%	94.2%
235	Tohono O'odham Nation Fire Dept.	20,838,166	17,616,497	13,804,807	13,438,949	3,811,690	4,177,548	78.4%	76.3%
236	Tohono O'odham Nation Police Dept.	46,273,342	41,692,610	30,969,035	30,148,288	10,723,575	11,544,322	74.3%	72.3%
237	Williamson Valley Fire District	5,150,384	3,354,327	3,514,130	3,420,998	(159,803)	(66,671)	104.8%	102.0%
238	Harquahala Fire District	5,055,356	3,369,765	3,801,207	3,700,467	(431,442)	(330,702)	112.8%	109.8%
239	Coolidge Fire Dept.	1,601,881	1,128,170	1,512,465	1,472,381	(384,295)	(344,211)	134.1%	130.5%
242	Central AZ. College Police Dept.	2,718,647	2,112,176	1,700,443	1,655,378	411,733	456,798	80.5%	78.4%
243	City of Maricopa Police Dept.	28,694,648	22,385,034	21,117,106	20,557,457	1,267,928	1,827,577	94.3%	91.8%
244	Oracle Fire District	1,993,222	1,461,842	1,252,762	1,219,561	209,080	242,281	85.7%	83.4%
245	Benson Fire Dept.	940,065	940,065	883,246	859,838	56,819	80,227	94.0%	91.5%
246	Desert Hills Fire Dept.	7,953,766	5,142,718	4,692,340	4,567,983	450,378	574,735	91.2%	88.8%
247	Queen Creek Fire Dept.	35,671,144	20,420,895	21,983,714	21,401,098	(1,562,819)	(980,203)	107.7%	104.8%
248	Sonoma Elgin Fire Dept.	2,144,572	1,900,522	1,799,822	1,752,123	100,700	148,399	94.7%	92.2%
249	Christopher-Kohl's Fire District	2,091,323	1,414,136	1,301,951	1,267,446	112,185	146,690	92.1%	89.6%
250	Whetstone Fire District	1,713,892	893,107	1,048,686	1,020,894	(155,579)	(127,787)	117.4%	114.3%
251	Queen Valley Fire District	1,006,498	869,215	725,063	705,847	144,152	163,368	83.4%	81.2%
252	Lake Mohave Ranchos Fire District	2,524,239	2,326,215	1,675,532	1,631,127	650,683	695,088	72.0%	70.1%
253	Huachuca City Police Dept.	1,820,848	1,598,399	1,285,698	1,251,624	312,701	346,775	80.4%	78.3%
254	Palominas Fire District	1,627,146	1,476,965	1,645,861	1,602,242	(168,896)	(125,277)	111.4%	108.5%
255	Sun Sites Pearce Fire District	1,760,525	1,278,909	1,450,543	1,412,100	(171,634)	(133,191)	113.4%	110.4%
256	Ponderosa Fire District	856,393	453,936	748,809	728,964	(294,873)	(275,028)	165.0%	160.6%
257	Timber Mesa Fire and Medical Dist	41,303,152	32,867,598	25,244,435	24,575,402	7,623,163	8,292,196	76.8%	74.8%
258	Central AZ Fire and Medical	122,782,632	109,388,728	99,003,580	96,379,769	10,385,148	13,008,959	90.5%	88.1%
259	Copper Canyon Fire and Medical	23,287,042	18,429,680	18,462,042	17,972,758	(32,362)	456,922	100.2%	97.5%
261	Beaver Dam/Littlefield Fire Dist.	793,880	736,943	597,867	582,022	139,076	154,921	81.1%	79.0%
262	Blue Ridge Fire District	1,355,820	894,721	382,201	372,072	512,520	522,649	42.7%	41.6%
263	Arizona Fire & Medical Authority	116,770,524	97,429,021	90,553,489	88,153,624	6,875,532	9,275,397	92.9%	90.5%
264	Taylor Snowlake Fire & Medical	0	0	0	0	0	0	100.0%	100.0%
265	Queen Creek Police Dept.	9,863,839	1,141,666	1,519,154	1,478,893	(377,488)	(337,227)	133.1%	129.5%
	Unallocated and Former Employers	0	0	290,410	282,713	(290,410)	(282,713)		
	TOTAL	22,839,134,704	20,508,346,948	13,397,869,480	13,042,796,696	7,110,477,468	7,465,550,252	65.3%	63.6%

APPENDIX D: SUMMARY OF PENSION FUNDED STATUS BY EMPLOYER – TIER 3

Employer						Unfunded	Unfunded	Funded	Funded
Number	Employer Name	Liability (PVB)	Liability (AAL)	Assets (AVA)	Assets (MV)	(AAL - AVA)	(AAL - MV)	(AVA/AAL)	(MV/AAL)
004	Chandler Fire Dept.	12,255,554	1,533,717	1,728,689	1,696,968	(194,972)	(163,251)	112.7%	110.6%
005	Chandler Police Dept.	16,601,018	2,584,695	2,814,150	2,762,511	(229,455)	(177,816)	108.9%	106.9%
007	Dept. of Public Safety	43,242,502	6,840,543	6,859,060	6,733,198	(18,517)	107,345	100.3%	98.4%
012	Glendale Fire Dept.	10,759,017	953,275	990,245	972,074	(36,970)	(18,799)	103.9%	102.0%
013	Glendale Police Dept.	16,295,476	2,702,133	2,794,763	2,743,480	(92,630)	(41,347)	103.4%	101.5%
016	Maricopa County Sheriff's Office	31,271,987	5,258,529	5,840,618	5,733,444	(582,089)	(474,915)	111.1%	109.0%
017	Mesa Fire Dept.	26,373,912	2,547,933	2,702,886	2,653,289	(154,953)	(105,356)	106.1%	104.1%
018	Mesa Police Dept.	46,526,366	6,585,841	7,422,385	7,286,186	(836,544)	(700,345)	112.7%	110.6%
021	Phoenix Fire Dept.	78,489,667	9,995,912	10,743,385	10,546,247	(747,473)	(550,335)	107.5%	105.5%
022	Phoenix Police Dept.	116,140,569	22,595,689	25,356,675	24,891,387	(2,760,986)	(2,295,698)	112.2%	110.2%
025	Scottsdale Police Dept.	16,428,090	2,532,270	3,175,063	3,116,801	(642,793)	(584,531)	125.4%	123.1%
027	Tempe Fire Dept.	8,121,943	1,127,000	1,221,820	1,199,400	(94,820)	(72,400)	108.4%	106.4%
028	Tempe Police Dept.	12,851,299	1,678,282	1,815,583	1,782,268	(137,301)	(103,986)	108.2%	106.2%
029	Tucson Fire	13,946,747	2,116,703	2,215,664	2,175,007	(98,961)	(58,304)	104.7%	102.8%
030	Tucson Police	29,887,201	6,507,533	6,487,664	6,368,617	19,869	138,916	99.7%	97.9%
039	Pima County Sheriff's Dept.	19,933,228	3,731,637	3,427,074	3,364,188	304,563	367,449	91.8%	90.2%
179	Gila River Fire Dept.	2,973,669	483,575	503,376	494,139	(19,801)	(10,564)	104.1%	102.2%
180	Gila River Police Dept.	4,567,863	1,029,310	1,232,711	1,210,091	(203,401)	(180,781)	119.8%	117.6%
223	Scottsdale Fire Dept.	16,828,868	2,023,236	2,158,674	2,119,063	(135,438)	(95,827)	106.7%	104.7%
	Risk Sharing	407,742,294	68,939,204	76,171,857	74,774,123	(7,232,653)	(5,834,919)	110.5%	108.5%
	Unallocated	0	0	0	0	0	0		
	TOTAL	931,237,270	151,767,017	165,662,342	162,622,481	(13,895,325)	(10,855,464)	109.2%	107.2%

APPENDIX E: SUMMARY OF PENSION CONTRIBUTION BY EMPLOYER - TIERS 1 & 2

Employer		ER NC%	UAAL	Amortization	Calculated	Required ER
Number	Employer Name		Pmt %	Period	ER Cont.	Cont.
001	Bisbee Fire Dept.	14.83%	1.18%	24	16.01%	16.01%
002	Casa Grande Fire Dept.	12.45%	0.00%	15	12.45%	12.45%
003	Casa Grande Police Dept.	9.74%	0.00%	15	9.74%	9.74%
004	Chandler Fire Dept.	16.80%	21.34%	15	38.14%	38.14%
005	Chandler Police Dept.	13.56%	31.16%	15	44.72%	44.72%
006	Clifton Fire Dept.	0.00%	0.00%	15	0.00%	8.00%
007	Dept. of Public Safety	12.98%	2.00%	15	14.98%	14.98%
008	Douglas Fire Dept.	13.65%	0.00%	15	13.65%	13.65%
009	Douglas Police Dept.	10.35%	0.00%	15	10.35%	10.35%
010	Flagstaff Fire Dept.	12.86%	0.00%	15	12.86%	12.86%
011	Flagstaff Police Dept.	9.97%	0.00%	25	9.97%	9.97%
012	Glendale Fire Dept.	16.80%	10.50%	15	27.30%	27.30%
013	Glendale Police Dept.	13.86%	12.15%	15	26.01%	26.01%
014	Globe Fire Dept.	13.29%	29.83%	15	43.12%	43.12%
015	Kingman Fire Dept.	13.28%	0.00%	15	13.28%	13.28%
016	Maricopa County Sheriff's Office	13.12%	62.59%	15	75.71%	75.71%
017	Mesa Fire Dept.	16.25%	44.10%	24	60.35%	60.35%
018	Mesa Police Dept.	13.61%	46.00%	24	59.61%	59.61%
020	Nogales Fire Dept.	15.25%	68.94%	15	84.19%	84.19%
021	Phoenix Fire Dept.	16.79%	51.76%	24	68.55%	68.55%
022	Phoenix Police Dept.	14.02%	68.30%	24	82.32%	82.32%
023	Prescott Fire Dept.	12.79%	12.47%	15	25.26%	25.26%
024	Prescott Police Dept.	11.14%	3.38%	15	14.52%	14.52%
025	Scottsdale Police Dept.	13.78%	45.17%	15	58.95%	58.95%
026	Sierra Vista Fire Dept.	14.26%	41.15%	15	55.41%	55.41%
027	Tempe Fire Dept.	16.65%	8.22%	15	24.87%	24.87%
028	Tempe Police Dept.	14.29%	7.91%	15	22.20%	22.20%
029	Tucson Fire	13.17%	62.96%	24	76.13%	76.13%
030	Tucson Police	10.55%	81.96%	24	92.51%	92.51%
031	Winslow Fire Dept.	12.78%	(12.78%)	10	0.00%	0.00%
032	Yuma Fire Dept.	13.76%	0.20%	15	13.96%	13.96%
033	Yuma Police Dept.	10.15%	0.07%	15	10.22%	10.22%
034	Yuma County Sheriff's Dept.	10.17%	0.00%	15	10.17%	10.17%
035	Game and Fish Dept.	9.61%	0.00%	15	9.61%	9.61%
036	Sierra Vista Police Dept.	9.85%	58.01%	15	67.86%	67.86%
037	Benson Police Dept.	9.88%	40.81%	15	50.69%	50.69%
038	Bisbee Police Dept.	9.85%	6.01%	24	15.86%	15.86%
039	Pima County Sheriff's Dept.	10.56%	20.03%	15	30.59%	30.59%
040	Kingman Police Dept.	10.06%	0.00%	15	10.06%	10.06%
041	ASU Campus Police	13.86%	2.62%	15	16.48%	16.48%
042	Lake Havasu City Fire Dept.	12.83%	58.27%	15	71.10%	71.10%
043	Mohave County Sheriff's Dept.	11.00%	42.40%	15	53.40%	53.40%
044	Bullhead City Fire Dept.	13.64%	11.98%	15	25.62%	25.62%
045	U of A Campus Police	10.62%	4.37%	15	14.99%	14.99%
046	Cochise County Sheriff's Dept.	10.58%	42.55%	24	53.13%	53.13%
047	Safford Police Dept.	11.01%	9.84%	24	20.85%	20.85%
049	Drexel Heights Fire District	13.14%	25.79%	15	38.93%	38.93%
050	Winslow Police Dept.	14.82%	36.77%	15	51.59%	51.59%

Employer Number	Employer Name	ER NC %	UAAL Amortization Pmt %	Calculated Period	Required ER Cont.	Required ER Cont.
051	Payson Fire Dept.	13.19%	25.87%	15	39.06%	39.06%
052	Payson Police Dept.	10.59%	62.23%	15	72.82%	72.82%
053	Northern AZ. Consolidated Fire District #1	17.40%	4.37%	15	21.77%	21.77%
054	Fry Fire District	16.66%	5.04%	25	21.70%	21.70%
055	Fredonia Marshals	0.00%	0.00%	10	0.00%	0.00%
056	NAU Campus Police	9.73%	4.08%	15	13.81%	13.81%
058	South Tucson Fire Dept.	0.00%	0.00%	24	0.00%	8.00%
059	Avondale Fire Dept.	17.09%	14.74%	15	31.83%	31.83%
060	Parker Police Dept.	14.09%	20.16%	15	34.25%	34.25%
061	Coconino County Sheriff's Dept.	9.65%	0.00%	15	9.65%	9.65%
064	Buckskin Fire District	12.05%	6.58%	15	18.63%	18.63%
065	Snowflake Police Dept.	9.81%	46.50%	15	56.31%	56.31%
066	Cottonwood Police Dept.	10.75%	0.00%	15	10.75%	10.75%
067	Lake Havasu City Police Dept.	10.44%	59.75%	15	70.19%	70.19%
069	South Tucson Police Dept.	10.12%	142.95%	24	153.07%	153.07%
070	Apache Junction Police Dept.	10.33%	53.82%	15	64.15%	64.15%
071	Navajo County Sheriff's Dept.	8.99%	0.00%	15	8.99%	8.99%
072	Mohave Valley Fire District	17.45%	10.48%	15	27.93%	27.93%
073	Peoria Fire Dept.	16.98%	17.64%	15	34.62%	34.62%
074	Peoria Police Dept.	14.17%	21.63%	15	35.80%	35.80%
076	Paradise Valley Police Dept.	14.99%	12.90%	15	27.89%	27.89%
077	Willcox Police Dept.	9.89%	0.00%	15	9.89%	9.89%
078	Show Low Police Dept.	11.46%	3.26%	15	14.72%	14.72%
079	Eloy Police Dept.	10.65%	3.88%	15	14.53%	14.53%
080	Nogales Police Dept.	11.89%	65.81%	15	77.70%	77.70%
081	Gilbert Police Dept.	14.46%	5.84%	15	20.30%	20.30%
083	Clifton Police Dept.	9.65%	20.22%	15	29.87%	29.87%
085	Coolidge Police Dept.	10.09%	2.58%	15	12.67%	12.67%
086	Holbrook Police Dept.	21.90%	90.40%	15	112.30%	112.30%
087	Santa Cruz County Sheriff's Dept.	14.72%	12.82%	15	27.54%	27.54%
088	Prescott Valley Police Dept.	10.49%	14.58%	15	25.07%	25.07%
089	Eagar Police Dept.	16.22%	85.74%	15	101.96%	101.96%
090	Tolleson Police Dept.	12.16%	10.24%	15	22.40%	22.40%
091	Florence Police Dept.	10.26%	2.87%	15	13.13%	13.13%
092	Springerville Police Dept.	21.86%	61.50%	15	83.36%	83.36%
093	El Mirage Police Dept.	14.29%	19.78%	15	34.07%	34.07%
094	Superior Police Dept.	12.20%	13.55%	15	25.75%	25.75%
095	San Luis Police Dept.	9.43%	0.00%	15	9.43%	9.43%
096	Page Police Dept.	10.94%	0.00%	15	10.94%	10.94%
097	Page Fire Dept.	12.89%	0.00%	15	12.89%	12.89%
098	Yavapai County Sheriff's Dept.	9.98%	32.81%	15	42.79%	42.79%
100	Pima Police Dept.	10.24%	0.00%	15	10.24%	10.24%
101	Apache County Sheriff's Dept.	8.74%	0.00%	15	8.74%	8.74%
102	Cottonwood Fire Dept.	12.47%	0.00%	15	12.47%	12.47%
103	La Paz County Sheriff's Dept.	12.19%	81.50%	15	93.69%	93.69%
104	Pinal County Sheriff's Dept.	12.51%	0.00%	15	12.51%	12.51%
105	Clarkdale Police Dept.	13.32%	14.31%	24	27.63%	27.63%
106	Buckeye Police Dept.	14.30%	16.48%	15	30.78%	30.78%
107	Marana Police Dept.	12.84%	23.26%	15	36.10%	36.10%
108	Tolleson Fire Dept.	16.34%	11.91%	15	28.25%	28.25%
109	Chino Valley Police Dept.	11.38%	16.72%	15	28.10%	28.10%
110	Surprise Police Dept.	14.13%	22.18%	15	36.31%	36.31%
111	Wellton Police Dept.	11.76%	0.00%	15	11.76%	11.76%

Employer Number	Employer Name	ER NC%	UAAL Amt %	Amortization Period	Calculated ER Cont.	Required ER Cont.
112	Gila County Sheriff's Dept.	9.00%	0.00%	15	9.00%	9.00%
113	Pinetop-Lakeside Police Dept.	9.25%	5.59%	24	14.84%	14.84%
114	Bullhead City Police Dept.	9.65%	59.69%	15	69.34%	69.34%
115	Williams Police Dept.	11.99%	18.09%	15	30.08%	30.08%
116	Miami Police Dept.	23.25%	95.06%	15	118.31%	118.31%
117	Thatcher Police Dept.	10.80%	25.57%	15	36.37%	36.37%
118	Youngtown Police Dept.	0.00%	0.00%	15	0.00%	8.00%
119	Dept. of Emer & Military Aff	10.99%	4.02%	15	15.01%	15.01%
120	Surprise Fire Dept.	16.11%	13.11%	15	29.22%	29.22%
121	Camp Verde Marshals	9.74%	0.00%	15	9.74%	9.74%
122	Oro Valley Police Dept.	11.00%	0.00%	15	11.00%	11.00%
123	Greenlee County Sheriff's Dept.	12.69%	18.97%	15	31.66%	31.66%
124	Tucson Airport Authority Fire Dept.	15.46%	14.83%	15	30.29%	30.29%
125	Tucson Airport Authority Police Dept.	17.45%	7.64%	15	25.09%	25.09%
126	Wickenburg Police Dept.	10.17%	3.34%	15	13.51%	13.51%
127	El Mirage Fire Dept.	15.96%	4.21%	15	20.17%	20.17%
128	Patagonia Marshals	0.00%	0.00%	24	0.00%	8.00%
129	Sedona Police Dept.	14.91%	25.46%	15	40.37%	40.37%
130	Mammoth Police Dept.	17.56%	34.80%	15	52.36%	52.36%
131	Globe Police Dept.	13.39%	28.46%	15	41.85%	41.85%
132	Tombstone Marshals	9.08%	(9.08%)	10	0.00%	0.00%
133	Golder Ranch Fire District	13.58%	1.30%	15	14.88%	14.88%
134	Fort Mojave Mesa Fire District	13.90%	7.62%	15	21.52%	21.52%
136	Goodyear Fire Dept.	16.75%	3.08%	15	19.83%	19.83%
137	Goodyear Police Dept.	16.02%	8.30%	15	24.32%	24.32%
139	Avondale Police Dept.	14.04%	18.97%	15	33.01%	33.01%
140	Graham County Sheriff's Dept.	10.82%	6.61%	24	17.43%	17.43%
142	Golden Valley Fire District	13.39%	13.72%	15	27.11%	27.11%
143	Daisy Mountain Fire District	16.50%	3.03%	24	19.53%	19.53%
144	Quartzsite Police Dept.	9.97%	8.99%	15	18.96%	18.96%
145	Picture Rocks Fire District	13.49%	20.29%	15	33.78%	33.78%
146	Pima County Comm. College Police	12.57%	30.27%	15	42.84%	42.84%
147	Northwest Fire District	14.49%	27.06%	15	41.55%	41.55%
148	Superstition Fire and Medical District	13.15%	3.22%	24	16.37%	16.37%
149	Gilbert Fire Dept.	15.97%	8.15%	15	24.12%	24.12%
150	Pine-Strawberry Fire District	13.86%	29.15%	25	43.01%	43.01%
151	Attorney General Invest.	7.55%	0.00%	15	7.55%	8.00%
153	St. Johns Police Dept.	20.27%	25.95%	15	46.22%	46.22%
154	Pima County Attorney Invest.	6.62%	68.53%	15	75.15%	75.15%
156	Kearny Police Dept.	21.58%	37.99%	15	59.57%	59.57%
158	Navajo County Attorney Invest.	0.00%	0.00%	15	0.00%	8.00%
162	Avra Valley Fire District	13.49%	2.90%	15	16.39%	16.39%
163	San Luis Fire Dept.	12.59%	0.00%	15	12.59%	12.59%
164	AZ Dept. Liq. Lic. & Control Invest.	9.52%	0.00%	15	9.52%	9.52%
165	Maricopa County Attorney Invest.	11.43%	19.31%	15	30.74%	30.74%
166	Sedona Fire District	13.12%	32.38%	15	45.50%	45.50%
167	Guadalupe Fire Dept.	17.03%	32.28%	15	49.31%	49.31%
168	Mayer Fire District	13.00%	22.38%	15	35.38%	35.38%
169	Somerton Police Dept.	9.17%	34.08%	15	43.25%	43.25%
171	Somerton Fire Dept.	14.75%	11.03%	15	25.78%	25.78%
172	Tubac Fire District	15.07%	13.69%	25	28.76%	28.76%
174	Sahuarita Police Dept.	14.32%	0.00%	15	14.32%	14.32%
176	Florence Fire Dept.	12.24%	0.00%	15	12.24%	12.24%

Employer		ER NC%	UAAL Amortization		Calculated ER Cont.	Required ER Cont.
Number	Employer Name		Pmt %	Period		
177	Sun City Fire District	15.86%	7.23%	24	23.09%	23.09%
178	Hayden Police Dept.	10.62%	(10.62%)	10	0.00%	0.00%
179	Gila River Fire Dept.	12.69%	8.92%	15	21.61%	21.61%
180	Gila River Police Dept.	10.96%	4.65%	15	15.61%	15.61%
181	Salt River Pima-Maricopa Fire	15.89%	23.46%	15	39.35%	39.35%
182	Salt River Pima-Maricopa Police	14.79%	19.76%	15	34.55%	34.55%
185	Pinetop Fire District	13.60%	4.04%	25	17.64%	17.64%
187	Yavapai County Attorney Invest.	0.00%	0.00%	15	0.00%	8.00%
188	Three Points Fire District	12.78%	20.29%	15	33.07%	33.07%
190	Buckeye Fire Dept.	16.91%	4.32%	15	21.23%	21.23%
192	Heber-Overgaard Fire District	11.12%	9.80%	15	20.92%	20.92%
193	Hellsgate Fire District	14.59%	5.30%	29	19.89%	19.89%
194	Green Valley Fire District	13.76%	19.94%	25	33.70%	33.70%
195	Summit Fire District	13.74%	2.69%	15	16.43%	16.43%
197	Fort McDowell Tribal Fire Dept.	15.71%	3.49%	15	19.20%	19.20%
198	Fort McDowell Tribal Police Dept.	13.34%	12.48%	15	25.82%	25.82%
199	Highlands Fire District	12.75%	0.00%	24	12.75%	12.75%
200	Rio Rico Fire District	13.80%	2.84%	15	16.64%	16.64%
201	Tri-City Fire District	13.30%	12.91%	15	26.21%	26.21%
202	Maricopa County Park Rangers	0.00%	0.00%	15	0.00%	8.00%
203	Verde Valley Fire District	14.62%	0.00%	15	14.62%	14.62%
204	AZ. State Park Rangers	3.87%	0.00%	15	3.87%	8.00%
206	Hualapai Indian Tribe Police Dept.	8.73%	9.46%	15	18.19%	18.19%
207	Pinewood Fire District	14.44%	28.02%	15	42.46%	42.46%
208	Rincon Valley Fire District	15.32%	8.85%	15	24.17%	24.17%
210	Jerome Police Dept.	7.47%	7.86%	15	15.33%	15.33%
211	Fort Mojave Tribal Police Dept.	10.44%	3.27%	15	13.71%	13.71%
212	Buckeye Valley Fire District	15.75%	9.95%	15	25.70%	25.70%
213	Eloy Fire District	14.31%	5.03%	15	19.34%	19.34%
214	Pascua Yaqui Tribe Fire Dept.	16.91%	29.40%	15	46.31%	46.31%
215	Pascua Yaqui Tribe Police Dept.	11.56%	32.54%	15	44.10%	44.10%
216	Town of Superior Fire Dept.	9.37%	0.00%	15	9.37%	9.37%
217	Wickenburg Fire Dept.	11.48%	3.05%	15	14.53%	14.53%
221	Quartzsite Fire District	11.99%	9.47%	15	21.46%	21.46%
222	Rio Verde Fire District	15.59%	7.20%	15	22.79%	22.79%
223	Scottsdale Fire Dept.	14.43%	10.53%	15	24.96%	24.96%
224	Ak Chin Indian Comm. Fire Dept.	11.49%	14.10%	15	25.59%	25.59%
225	Ak Chin Indian Comm. Police Dept.	9.26%	0.00%	15	9.26%	9.26%
226	Corona De Tucson Fire District	14.60%	11.50%	15	26.10%	26.10%
227	Golden Shores Fire District	13.71%	6.51%	15	20.22%	20.22%
228	City of Maricopa Fire Dept.	12.88%	7.12%	15	20.00%	20.00%
229	Cave Creek Marshals	10.71%	1.84%	15	12.55%	12.55%
231	San Carlos Tribal Police Dept.	13.75%	5.19%	15	18.94%	18.94%
232	Groom Creek Fire District	10.56%	(10.56%)	10	0.00%	0.00%
233	Mount Lemmon Fire District	13.57%	4.01%	15	17.58%	17.58%
234	Yavapai Prescott Tribal Police	12.65%	1.71%	15	14.36%	14.36%
235	Tohono O'odham Nation Fire Dept.	13.78%	16.91%	15	30.69%	30.69%
236	Tohono O'odham Nation Police Dept.	10.88%	19.58%	15	30.46%	30.46%
237	Williamson Valley Fire District	12.62%	0.00%	15	12.62%	12.62%
238	Harquahala Fire District	14.58%	0.00%	15	14.58%	14.58%
239	Coolidge Fire Dept.	11.74%	0.00%	15	11.74%	11.74%
242	Central AZ. College Police Dept.	10.25%	6.22%	15	16.47%	16.47%
243	City of Maricopa Police Dept.	11.09%	3.32%	15	14.41%	14.41%

Employer		ER NC%	UAAL Amortization Pmt %	Amortization Period	Calculated ER Cont.	Required ER Cont.
Number	Employer Name					
244	Oracle Fire District	13.59%	5.79%	15	19.38%	19.38%
245	Benson Fire Dept.	0.00%	0.00%	15	0.00%	8.00%
246	Desert Hills Fire Dept.	15.51%	4.59%	15	20.10%	20.10%
247	Queen Creek Fire Dept.	14.88%	0.00%	15	14.88%	14.88%
248	Sonoita Elgin Fire Dept.	12.17%	4.40%	15	16.57%	16.57%
249	Christopher-Kohl's Fire District	16.31%	2.95%	15	19.26%	19.26%
250	Whetstone Fire District	11.35%	0.00%	15	11.35%	11.35%
251	Queen Valley Fire District	13.68%	15.90%	15	29.58%	29.58%
252	Lake Mohave Ranchos Fire District	25.67%	15.00%	25	40.67%	40.67%
253	Huachuca City Police Dept.	9.52%	13.19%	15	22.71%	22.71%
254	Palominas Fire District	4.43%	(0.44%)	10	3.99%	3.99%
255	Sun Sites Pearce Fire District	12.28%	0.00%	15	12.28%	12.28%
256	Ponderosa Fire District	9.19%	0.00%	15	9.19%	9.19%
257	Timber Mesa Fire and Medical Dist	14.17%	8.25%	25	22.42%	22.42%
258	Central AZ Fire and Medical	12.94%	11.70%	15	24.64%	24.64%
259	Copper Canyon Fire and Medical	13.29%	0.00%	15	13.29%	13.29%
261	Beaver Dam/Littlefield Fire Dist.	4.18%	5.81%	15	9.99%	9.99%
262	Blue Ridge Fire District	11.27%	26.83%	15	38.10%	38.10%
263	Arizona Fire & Medical Authority	16.07%	5.58%	24	21.65%	21.65%
264	Taylor Snowlake Fire & Medical	0.00%	0.00%	10	0.00%	0.00%
265	Queen Creek Police Dept.	26.06%	0.00%	15	26.06%	26.06%
	TOTAL	13.94%	32.21%		46.15%	46.15%

APPENDIX F: SUMMARY OF CALCULATED PENSION CONTRIBUTION BY EMPLOYER – TIER 3

Employer Number	Employer Name	Total NC%	UAAL Pmt %	Total Cont. %	EE Cont. %	ER Cont. %
004	Chandler Fire Dept.	18.31%	0.00%	18.31%	9.16%	9.16%
005	Chandler Police Dept.	17.35%	0.00%	17.35%	8.68%	8.68%
007	Dept. of Public Safety	17.23%	0.00%	17.23%	8.62%	8.62%
012	Glendale Fire Dept.	19.01%	0.00%	19.01%	9.51%	9.51%
013	Glendale Police Dept.	16.72%	0.00%	16.72%	8.36%	8.36%
016	Maricopa County Sheriff's Office	17.70%	0.00%	17.70%	8.85%	8.85%
017	Mesa Fire Dept.	18.83%	0.00%	18.83%	9.42%	9.42%
018	Mesa Police Dept.	16.93%	0.00%	16.93%	8.47%	8.47%
021	Phoenix Fire Dept.	18.20%	0.00%	18.20%	9.10%	9.10%
022	Phoenix Police Dept.	17.57%	0.00%	17.57%	8.79%	8.79%
025	Scottsdale Police Dept.	16.61%	0.00%	16.61%	8.31%	8.31%
027	Tempe Fire Dept.	17.39%	0.00%	17.39%	8.70%	8.70%
028	Tempe Police Dept.	17.22%	0.00%	17.22%	8.61%	8.61%
029	Tucson Fire	18.08%	0.00%	18.08%	9.04%	9.04%
030	Tucson Police	16.96%	0.00%	16.96%	8.48%	8.48%
039	Pima County Sheriff's Dept.	17.59%	0.50%	18.09%	9.05%	9.05%
179	Gila River Fire Dept.	18.32%	0.00%	18.32%	9.16%	9.16%
180	Gila River Police Dept.	16.78%	0.00%	16.78%	8.39%	8.39%
223	Scottsdale Fire Dept.	19.12%	0.00%	19.12%	9.56%	9.56%
	Risk Sharing	17.37%	0.00%	17.37%	8.69%	8.69%
	TOTAL	17.48%	0.01%	17.49%	8.75%	8.75%

APPENDIX G: SUMMARY OF EMPLOYERS WITH EXTENDED AMORTIZATION PERIODS – TIERS 1 & 2

Under the Arizona Revised Statutes Title 38, Chapter 5, Article 4, Section 38-891.M, employers can request a one-time election to extend the amortization period used for recognizing Tier 1 and 2 liabilities to a closed period of no more than 30 years. The employers listed below have made this election and have the period shown remaining as of the June 30, 2021 valuation. All other employers are using the standard 15-year amortization period.

24-Year Amortization

001 BISBEE FIRE DEPT.
017 MESA FIRE DEPT.
018 MESA POLICE DEPT.
021 PHOENIX FIRE DEPT.
022 PHOENIX POLICE DEPT.
029 TUCSON FIRE
030 TUCSON POLICE
038 BISBEE POLICE DEPT.
046 COCHISE COUNTY SHERIFF'S DEPT.
047 SAFFORD POLICE DEPT.
058 SOUTH TUCSON FIRE DEPT.
069 SOUTH TUCSON POLICE DEPT.
105 CLARKDALE POLICE DEPT.
113 PINETOP-LAKESIDE POLICE DEPT.
128 PATAGONIA MARSHALS
140 GRAHAM COUNTY SHERIFF'S DEPT.
143 DAISY MOUNTAIN FIRE DISTRICT
148 SUPERSTITION FIRE AND MEDICAL DISTRICT
177 SUN CITY FIRE DISTRICT
199 HIGHLANDS FIRE DISTRICT
263 ARIZONA FIRE & MEDICAL AUTHORITY

25-Year Amortization

011 FLAGSTAFF POLICE DEPT.
054 FRY FIRE DISTRICT
150 PINE-STRAWBERRY FIRE DISTRICT
172 TUBAC FIRE DISTRICT
185 PINETOP FIRE DISTRICT
194 GREEN VALLEY FIRE DISTRICT
252 LAKE MOHAVE RANCHOS FIRE DISTRICT
257 TIMBER MESA FIRE AND MEDICAL DIST

29-Year Amortization

193 HELLSGATE FIRE DISTRICT

APPENDIX H: SUMMARY OF HEALTH FUNDED STATUS BY EMPLOYER – TIERS 1 & 2

Employer Number	Employer Name	Liability (PVB)	Liability (AAL)	Assets (AVA)	Assets (MV)	Unfunded (AAL - AVA)	Unfunded (AAL - MV)	Funded Percent (AVA/AAL)	Funded Percent (MV/AAL)
001	Bisbee Fire Dept.	159,316	137,734	264,458	260,207	(126,724)	(122,473)	192.0%	188.9%
002	Casa Grande Fire Dept.	767,472	652,353	620,102	610,135	32,251	42,218	95.1%	93.5%
003	Casa Grande Police Dept.	1,107,474	1,003,575	1,064,701	1,047,587	(61,126)	(44,012)	106.1%	104.4%
004	Chandler Fire Dept.	3,661,491	3,200,627	3,243,195	3,191,065	(42,568)	9,562	101.3%	99.7%
005	Chandler Police Dept.	6,248,238	5,650,716	5,102,608	5,020,591	548,108	630,125	90.3%	88.8%
006	Clifton Fire Dept.	8,846	8,846	9,242	9,093	(396)	(247)	104.5%	102.8%
007	Dept. of Public Safety	25,901,753	23,641,004	33,797,370	33,254,124	(10,156,366)	(9,613,120)	143.0%	140.7%
008	Douglas Fire Dept.	281,216	238,558	550,095	541,253	(311,537)	(302,695)	230.6%	226.9%
009	Douglas Police Dept.	431,262	382,528	673,625	662,797	(291,097)	(280,269)	176.1%	173.3%
010	Flagstaff Fire Dept.	1,651,565	1,475,915	3,243,319	3,191,187	(1,767,404)	(1,715,272)	219.7%	216.2%
011	Flagstaff Police Dept.	1,519,518	1,400,135	1,650,977	1,624,440	(250,842)	(224,305)	117.9%	116.0%
012	Glendale Fire Dept.	3,764,703	3,220,157	5,449,099	5,361,512	(2,228,942)	(2,141,355)	169.2%	166.5%
013	Glendale Police Dept.	6,510,431	5,735,325	6,479,530	6,375,381	(744,205)	(640,056)	113.0%	111.2%
014	Globe Fire Dept.	214,594	189,723	226,238	222,602	(36,515)	(32,879)	119.2%	117.3%
015	Kingman Fire Dept.	661,526	574,435	874,494	860,438	(300,059)	(286,003)	152.2%	149.8%
016	Maricopa County Sheriff's Office	9,559,681	8,499,947	16,618,891	16,351,765	(8,118,944)	(7,851,818)	195.5%	192.4%
017	Mesa Fire Dept.	10,235,537	9,287,565	8,051,221	7,921,809	1,236,344	1,365,756	86.7%	85.3%
018	Mesa Police Dept.	23,683,360	22,257,094	10,680,617	10,508,941	11,576,477	11,748,153	48.0%	47.2%
020	Nogales Fire Dept.	876,752	823,492	677,049	666,166	146,443	157,326	82.2%	80.9%
021	Phoenix Fire Dept.	30,500,189	26,694,346	41,337,162	40,672,725	(14,642,816)	(13,978,379)	154.9%	152.4%
022	Phoenix Police Dept.	53,835,850	48,937,926	72,606,016	71,438,975	(23,668,090)	(22,501,049)	148.4%	146.0%
023	Prescott Fire Dept.	1,197,578	1,084,603	1,334,609	1,313,157	(250,006)	(228,554)	123.1%	121.1%
024	Prescott Police Dept.	1,292,618	1,191,715	860,952	847,113	330,763	344,602	72.2%	71.1%
025	Scottsdale Police Dept.	5,841,306	5,137,424	7,959,943	7,831,998	(2,822,519)	(2,694,574)	154.9%	152.4%
026	Sierra Vista Fire Dept.	985,620	891,252	624,896	614,852	266,356	276,400	70.1%	69.0%
027	Tempe Fire Dept.	3,816,340	3,439,088	3,951,629	3,888,112	(512,541)	(449,024)	114.9%	113.1%
028	Tempe Police Dept.	7,512,974	6,816,575	4,555,366	4,482,145	2,261,209	2,334,430	66.8%	65.8%
029	Tucson Fire	13,695,637	12,414,152	11,702,161	11,514,065	711,991	900,087	94.3%	92.7%
030	Tucson Police	21,714,844	20,519,257	16,735,986	16,466,978	3,783,271	4,052,279	81.6%	80.3%
031	Winslow Fire Dept.	67,321	49,980	409,869	403,281	(359,889)	(353,301)	820.1%	806.9%
032	Yuma Fire Dept.	2,034,344	1,807,091	2,171,201	2,136,302	(364,110)	(329,211)	120.1%	118.2%
033	Yuma Police Dept.	1,939,772	1,735,445	3,529,403	3,472,673	(1,793,958)	(1,737,228)	203.4%	200.1%
034	Yuma County Sheriff's Dept.	845,040	734,559	1,440,826	1,417,667	(706,267)	(683,108)	196.1%	193.0%
035	Game and Fish Dept.	2,815,742	2,640,361	3,128,615	3,078,327	(488,254)	(437,966)	118.5%	116.6%
036	Sierra Vista Police Dept.	1,247,067	1,169,562	846,719	833,109	322,843	336,453	72.4%	71.2%
037	Benson Police Dept.	107,952	91,206	183,563	180,612	(92,357)	(89,406)	201.3%	198.0%
038	Bisbee Police Dept.	150,147	146,032	157,160	154,634	(11,128)	(8,602)	107.6%	105.9%

Employer		Liability	Liability			Unfunded	Unfunded	Funded	Funded
Number	Employer Name	(PVB)	(AAL)	Assets (AVA)	Assets (MV)	(AAL - AVA)	(AAL - MV)	(AVA/AAL)	(MV/AAL)
039	Pima County Sheriff's Dept.	7,732,928	6,995,957	10,089,395	9,927,222	(3,093,438)	(2,931,265)	144.2%	141.9%
040	Kingman Police Dept.	627,990	564,772	764,040	751,759	(199,268)	(186,987)	135.3%	133.1%
041	ASU Campus Police	909,674	773,023	1,229,674	1,209,909	(456,651)	(436,886)	159.1%	156.5%
042	Lake Havasu City Fire Dept.	1,314,330	1,155,353	1,727,081	1,699,321	(571,728)	(543,968)	149.5%	147.1%
043	Mohave County Sheriff's Dept.	924,986	816,857	1,772,907	1,744,410	(956,050)	(927,553)	217.0%	213.6%
044	Bullhead City Fire Dept.	950,755	822,831	1,690,166	1,662,999	(867,335)	(840,168)	205.4%	202.1%
045	U of A Campus Police	744,931	670,876	780,092	767,553	(109,216)	(96,677)	116.3%	114.4%
046	Cochise County Sheriff's Dept.	1,174,486	1,066,417	1,481,310	1,457,500	(414,893)	(391,083)	138.9%	136.7%
047	Safford Police Dept.	359,021	331,655	381,086	374,961	(49,431)	(43,306)	114.9%	113.1%
049	Drexel Heights Fire District	905,017	750,372	1,142,061	1,123,704	(391,689)	(373,332)	152.2%	149.8%
050	Winslow Police Dept.	185,335	160,352	429,502	422,598	(269,150)	(262,246)	267.8%	263.5%
051	Payson Fire Dept.	476,534	422,113	251,005	246,970	171,108	175,143	59.5%	58.5%
052	Payson Police Dept.	486,673	461,225	290,395	285,727	170,830	175,498	63.0%	61.9%
053	Northern AZ. Consolidated Fire District #1	112,182	99,065	255,919	251,805	(156,854)	(152,740)	258.3%	254.2%
054	Fry Fire District	631,351	532,495	448,782	441,568	83,713	90,927	84.3%	82.9%
055	Fredonia Marshals	0	0	76,895	75,659	(76,895)	(75,659)	100.0%	100.0%
056	NAU Campus Police	271,846	251,242	316,769	311,677	(65,527)	(60,435)	126.1%	124.1%
058	South Tucson Fire Dept.	34,234	34,234	111,967	110,167	(77,733)	(75,933)	327.1%	321.8%
059	Avondale Fire Dept.	772,532	584,093	799,265	786,418	(215,172)	(202,325)	136.8%	134.6%
060	Parker Police Dept.	70,682	54,362	202,319	199,067	(147,957)	(144,705)	372.2%	366.2%
061	Coconino County Sheriff's Dept.	980,834	895,344	622,906	612,894	272,438	282,450	69.6%	68.5%
064	Buckskin Fire District	95,317	79,725	110,875	109,093	(31,150)	(29,368)	139.1%	136.8%
065	Snowflake Police Dept.	94,860	76,804	177,371	174,520	(100,567)	(97,716)	230.9%	227.2%
066	Cottonwood Police Dept.	319,841	268,955	430,005	423,093	(161,050)	(154,138)	159.9%	157.3%
067	Lake Havasu City Police Dept.	1,281,113	1,178,644	1,302,920	1,281,977	(124,276)	(103,333)	110.5%	108.8%
069	South Tucson Police Dept.	122,267	115,302	131,788	129,670	(16,486)	(14,368)	114.3%	112.5%
070	Apache Junction Police Dept.	677,895	578,204	911,860	897,203	(333,656)	(318,999)	157.7%	155.2%
071	Navajo County Sheriff's Dept.	337,823	286,994	815,832	802,719	(528,838)	(515,725)	284.3%	279.7%
072	Mohave Valley Fire District	259,971	219,326	540,703	532,012	(321,377)	(312,686)	246.5%	242.6%
073	Peoria Fire Dept.	2,212,315	1,735,982	2,255,224	2,218,974	(519,242)	(482,992)	129.9%	127.8%
074	Peoria Police Dept.	2,583,068	2,189,792	2,595,239	2,553,524	(405,447)	(363,732)	118.5%	116.6%
076	Paradise Valley Police Dept.	608,941	535,001	542,001	533,289	(7,000)	1,712	101.3%	99.7%
077	Willcox Police Dept.	105,049	88,517	166,128	163,458	(77,611)	(74,941)	187.7%	184.7%
078	Show Low Police Dept.	398,523	353,062	496,829	488,843	(143,767)	(135,781)	140.7%	138.5%
079	Eloy Police Dept.	224,978	179,637	486,075	478,262	(306,438)	(298,625)	270.6%	266.2%
080	Nogales Police Dept.	950,150	894,959	1,100,079	1,082,397	(205,120)	(187,438)	122.9%	120.9%
081	Gilbert Police Dept.	3,101,274	2,572,410	3,153,560	3,102,871	(581,150)	(530,461)	122.6%	120.6%
083	Clifton Police Dept.	28,667	23,492	75,057	73,851	(51,565)	(50,359)	319.5%	314.4%
085	Coolidge Police Dept.	318,629	289,059	417,444	410,734	(128,385)	(121,675)	144.4%	142.1%
086	Holbrook Police Dept.	92,271	84,003	264,554	260,302	(180,551)	(176,299)	314.9%	309.9%
087	Santa Cruz County Sheriff's Dept.	340,491	308,108	558,891	549,908	(250,783)	(241,800)	181.4%	178.5%

Employer Number	Employer Name	Liability (PVB)	Liability (AAL)	Assets (AVA)	Assets (MV)	Unfunded (AAL - AVA)	Unfunded (AAL - MV)	Funded Percent (AVA/AAL)	Funded Percent (MV/AAL)
088	Prescott Valley Police Dept.	849,479	732,764	842,222	828,684	(109,458)	(95,920)	114.9%	113.1%
089	Eagar Police Dept.	50,695	39,950	177,569	174,715	(137,619)	(134,765)	444.5%	437.3%
090	Tolleson Police Dept.	307,809	258,628	369,523	363,583	(110,895)	(104,955)	142.9%	140.6%
091	Florence Police Dept.	157,915	130,305	318,045	312,933	(187,740)	(182,628)	244.1%	240.2%
092	Springerville Police Dept.	10,270	5,454	159,099	156,542	(153,645)	(151,088)	2917.1%	2870.2%
093	El Mirage Police Dept.	525,401	437,852	484,089	476,308	(46,237)	(38,456)	110.6%	108.8%
094	Superior Police Dept.	34,488	23,223	136,434	134,241	(113,211)	(111,018)	587.5%	578.1%
095	San Luis Police Dept.	281,828	227,243	402,472	396,003	(175,229)	(168,760)	177.1%	174.3%
096	Page Police Dept.	109,163	89,022	585,023	575,620	(496,001)	(486,598)	657.2%	646.6%
097	Page Fire Dept.	84,388	63,178	90,733	89,275	(27,555)	(26,097)	143.6%	141.3%
098	Yavapai County Sheriff's Dept.	1,404,636	1,265,075	1,645,112	1,618,669	(380,037)	(353,594)	130.0%	128.0%
100	Pima Police Dept.	19,400	11,524	38,617	37,996	(27,093)	(26,472)	335.1%	329.7%
101	Apache County Sheriff's Dept.	250,779	229,195	408,357	401,793	(179,162)	(172,598)	178.2%	175.3%
102	Cottonwood Fire Dept.	328,252	277,011	240,207	236,346	36,804	40,665	86.7%	85.3%
103	La Paz County Sheriff's Dept.	176,461	151,101	620,257	610,287	(469,156)	(459,186)	410.5%	403.9%
104	Pinal County Sheriff's Dept.	2,566,570	2,177,568	3,220,433	3,168,669	(1,042,865)	(991,101)	147.9%	145.5%
105	Clarkdale Police Dept.	63,023	52,557	183,389	180,441	(130,832)	(127,884)	348.9%	343.3%
106	Buckeye Police Dept.	915,736	720,459	887,871	873,600	(167,412)	(153,141)	123.2%	121.3%
107	Marana Police Dept.	919,352	747,099	1,080,679	1,063,309	(333,580)	(316,210)	144.7%	142.3%
108	Tolleson Fire Dept.	386,516	316,814	421,833	415,053	(105,019)	(98,239)	133.1%	131.0%
109	Chino Valley Police Dept.	224,060	189,250	316,866	311,773	(127,616)	(122,523)	167.4%	164.7%
110	Surprise Police Dept.	1,500,541	1,212,584	1,545,250	1,520,412	(332,666)	(307,828)	127.4%	125.4%
111	Wellton Police Dept.	23,512	16,731	78,656	77,392	(61,925)	(60,661)	470.1%	462.6%
112	Gila County Sheriff's Dept.	419,803	372,645	783,278	770,688	(410,633)	(398,043)	210.2%	206.8%
113	Pinetop-Lakeside Police Dept.	183,525	175,073	91,045	89,582	84,028	85,491	52.0%	51.2%
114	Bullhead City Police Dept.	921,683	825,151	1,289,336	1,268,612	(464,185)	(443,461)	156.3%	153.7%
115	Williams Police Dept.	92,261	79,501	124,750	122,745	(45,249)	(43,244)	156.9%	154.4%
116	Miami Police Dept.	27,056	25,070	87,167	85,766	(62,097)	(60,696)	347.7%	342.1%
117	Thatcher Police Dept.	161,846	143,913	282,612	278,069	(138,699)	(134,156)	196.4%	193.2%
118	Youngtown Police Dept.	34,600	34,600	55,719	54,823	(21,119)	(20,223)	161.0%	158.4%
119	Dept. of Emer & Military Aff	372,677	308,718	913,237	898,558	(604,519)	(589,840)	295.8%	291.1%
120	Surprise Fire Dept.	1,555,557	1,217,860	1,325,594	1,304,287	(107,734)	(86,427)	108.8%	107.1%
121	Camp Verde Marshals	157,172	141,958	220,244	216,704	(78,286)	(74,746)	155.1%	152.7%
122	Oro Valley Police Dept.	1,232,078	1,062,728	1,617,538	1,591,538	(554,810)	(528,810)	152.2%	149.8%
123	Greenlee County Sheriff's Dept.	134,970	118,541	353,462	347,781	(234,921)	(229,240)	298.2%	293.4%
124	Tucson Airport Authority Fire Dept.	340,439	306,556	361,646	355,833	(55,090)	(49,277)	118.0%	116.1%
125	Tucson Airport Authority Police Dept.	291,431	253,334	338,460	333,020	(85,126)	(79,686)	133.6%	131.5%
126	Wickenburg Police Dept.	118,279	96,158	222,682	219,103	(126,524)	(122,945)	231.6%	227.9%
127	El Mirage Fire Dept.	218,736	138,895	223,147	219,560	(84,252)	(80,665)	160.7%	158.1%
128	Patagonia Marshals	27,449	27,449	16,083	15,824	11,366	11,625	58.6%	57.6%
129	Sedona Police Dept.	292,812	251,890	323,377	318,179	(71,487)	(66,289)	128.4%	126.3%

Employer Number	Employer Name	Liability (PVB)	Liability (AAL)	Assets (AVA)	Assets (MV)	Unfunded (AAL - AVA)	Unfunded (AAL - MV)	Funded Percent (AVA/AAL)	Funded Percent (MV/AAL)
130	Mammoth Police Dept.	18,715	8,972	53,957	53,090	(44,985)	(44,118)	601.4%	591.7%
131	Globe Police Dept.	302,029	283,920	287,437	282,817	(3,517)	1,103	101.2%	99.6%
132	Tombstone Marshals	23,750	17,796	81,218	79,913	(63,422)	(62,117)	456.4%	449.1%
133	Golder Ranch Fire District	1,986,053	1,484,275	1,693,271	1,666,054	(208,996)	(181,779)	114.1%	112.2%
134	Fort Mojave Mesa Fire District	371,591	328,451	416,956	410,254	(88,505)	(81,803)	126.9%	124.9%
136	Goodyear Fire Dept.	1,110,675	880,714	1,009,047	992,828	(128,333)	(112,114)	114.6%	112.7%
137	Goodyear Police Dept.	1,058,966	800,908	1,247,995	1,227,935	(447,087)	(427,027)	155.8%	153.3%
139	Avondale Police Dept.	1,102,164	849,467	1,164,528	1,145,810	(315,061)	(296,343)	137.1%	134.9%
140	Graham County Sheriff's Dept.	209,098	182,635	324,844	319,623	(142,209)	(136,988)	177.9%	175.0%
142	Golden Valley Fire District	189,176	146,338	253,308	249,236	(106,970)	(102,898)	173.1%	170.3%
143	Daisy Mountain Fire District	1,067,467	845,531	1,097,694	1,080,050	(252,163)	(234,519)	129.8%	127.7%
144	Quartzsite Police Dept.	51,840	43,433	147,494	145,123	(104,061)	(101,690)	339.6%	334.1%
145	Picture Rocks Fire District	81,608	63,264	261,670	257,464	(198,406)	(194,200)	413.6%	407.0%
146	Pima County Comm. College Police	278,670	238,718	492,793	484,872	(254,075)	(246,154)	206.4%	203.1%
147	Northwest Fire District	2,776,597	2,353,326	2,627,369	2,585,138	(274,043)	(231,812)	111.6%	109.9%
148	Superstition Fire and Medical District	1,340,255	1,193,582	1,248,080	1,228,019	(54,498)	(34,437)	104.6%	102.9%
149	Gilbert Fire Dept.	2,382,977	1,927,441	2,226,032	2,190,252	(298,591)	(262,811)	115.5%	113.6%
150	Pine-Strawberry Fire District	195,498	162,941	280,338	275,832	(117,397)	(112,891)	172.0%	169.3%
151	Attorney General Invest.	395,486	354,355	361,588	355,776	(7,233)	(1,421)	102.0%	100.4%
153	St. Johns Police Dept.	67,546	59,666	83,572	82,229	(23,906)	(22,563)	140.1%	137.8%
154	Pima County Attorney Invest.	91,333	86,318	129,380	127,300	(43,062)	(40,982)	149.9%	147.5%
156	Kearny Police Dept.	50,084	40,510	42,703	42,017	(2,193)	(1,507)	105.4%	103.7%
158	Navajo County Attorney Invest.	18,712	18,712	(3,331)	(3,277)	22,043	21,989	-17.8%	-17.5%
162	Avra Valley Fire District	201,092	124,438	252,261	248,206	(127,823)	(123,768)	202.7%	199.5%
163	San Luis Fire Dept.	335,058	263,636	334,752	329,371	(71,116)	(65,735)	127.0%	124.9%
164	AZ Dept. Liq. Lic. & Control Invest.	296,527	272,251	139,867	137,619	132,384	134,632	51.4%	50.5%
165	Maricopa County Attorney Invest.	174,549	157,589	308,087	303,135	(150,498)	(145,546)	195.5%	192.4%
166	Sedona Fire District	1,121,633	947,578	798,865	786,024	148,713	161,554	84.3%	83.0%
167	Guadalupe Fire Dept.	78,086	65,402	64,039	63,010	1,363	2,392	97.9%	96.3%
168	Mayer Fire District	146,127	127,772	144,416	142,095	(16,644)	(14,323)	113.0%	111.2%
169	Somerton Police Dept.	105,598	93,231	298,108	293,316	(204,877)	(200,085)	319.8%	314.6%
171	Somerton Fire Dept.	165,782	134,536	224,389	220,782	(89,853)	(86,246)	166.8%	164.1%
172	Tubac Fire District	185,630	145,787	325,425	320,194	(179,638)	(174,407)	223.2%	219.6%
174	Sahuarita Police Dept.	357,452	279,904	487,437	479,602	(207,533)	(199,698)	174.1%	171.3%
176	Florence Fire Dept.	248,450	186,307	220,569	217,024	(34,262)	(30,717)	118.4%	116.5%
177	Sun City Fire District	1,121,739	989,352	1,042,713	1,025,953	(53,361)	(36,601)	105.4%	103.7%
178	Hayden Police Dept.	31,060	24,065	74,658	73,458	(50,593)	(49,393)	310.2%	305.2%
179	Gila River Fire Dept.	634,459	485,843	709,249	697,849	(223,406)	(212,006)	146.0%	143.6%
180	Gila River Police Dept.	637,845	484,961	1,100,698	1,083,006	(615,737)	(598,045)	227.0%	223.3%

Employer Number	Employer Name	Liability (PVB)	Liability (AAL)	Assets (AVA)	Assets (MV)	Unfunded (AAL - AVA)	Unfunded (AAL - MV)	Funded Percent (AVA/AAL)	Funded Percent (MV/AAL)
181	Salt River Pima-Maricopa Fire	805,034	627,025	1,056,752	1,039,766	(429,727)	(412,741)	168.5%	165.8%
182	Salt River Pima-Maricopa Police	920,571	690,563	1,109,584	1,091,749	(419,021)	(401,186)	160.7%	158.1%
185	Pinetop Fire District	337,821	284,131	284,360	279,789	(229)	4,342	100.1%	98.5%
187	Yavapai County Attorney Invest.	8,250	8,250	16,804	16,534	(8,554)	(8,284)	203.7%	200.4%
188	Three Points Fire District	194,354	164,785	168,434	165,727	(3,649)	(942)	102.2%	100.6%
190	Buckeye Fire Dept.	942,621	690,098	827,697	814,393	(137,599)	(124,295)	119.9%	118.0%
192	Heber-Overgaard Fire District	102,665	84,211	144,877	142,548	(60,666)	(58,337)	172.0%	169.3%
193	Hellsgate Fire District	71,140	54,392	89,420	87,983	(35,028)	(33,591)	164.4%	161.8%
194	Green Valley Fire District	989,631	837,224	678,926	668,013	158,298	169,211	81.1%	79.8%
195	Summit Fire District	373,634	301,592	475,825	468,177	(174,233)	(166,585)	157.8%	155.2%
197	Fort McDowell Tribal Fire Dept.	62,442	37,873	147,895	145,518	(110,022)	(107,645)	390.5%	384.2%
198	Fort McDowell Tribal Police Dept.	161,341	142,758	302,271	297,412	(159,513)	(154,654)	211.7%	208.3%
199	Highlands Fire District	255,963	204,807	257,731	253,588	(52,924)	(48,781)	125.8%	123.8%
200	Rio Rico Fire District	241,056	185,959	253,774	249,695	(67,815)	(63,736)	136.5%	134.3%
201	Tri-City Fire District	219,943	170,573	201,883	198,638	(31,310)	(28,065)	118.4%	116.5%
202	Maricopa County Park Rangers	4,241	4,241	54,555	53,678	(50,314)	(49,437)	1286.4%	1265.7%
203	Verde Valley Fire District	419,035	341,353	442,120	435,014	(100,767)	(93,661)	129.5%	127.4%
204	AZ. State Park Rangers	476,779	461,993	741,134	729,221	(279,141)	(267,228)	160.4%	157.8%
206	Hualapai Indian Tribe Police Dept.	82,988	61,133	120,263	118,330	(59,130)	(57,197)	196.7%	193.6%
207	Pinewood Fire District	236,123	193,345	112,838	111,024	80,507	82,321	58.4%	57.4%
208	Rincon Valley Fire District	357,167	257,094	318,257	313,141	(61,163)	(56,047)	123.8%	121.8%
210	Jerome Police Dept.	45,046	39,038	41,942	41,268	(2,904)	(2,230)	107.4%	105.7%
211	Fort Mojave Tribal Police Dept.	134,636	106,123	165,322	162,665	(59,199)	(56,542)	155.8%	153.3%
212	Buckeye Valley Fire District	577,098	398,208	530,413	521,887	(132,205)	(123,679)	133.2%	131.1%
213	Eloy Fire District	200,935	138,873	243,824	239,905	(104,951)	(101,032)	175.6%	172.8%
214	Pascua Yaqui Tribe Fire Dept.	234,764	193,745	316,504	311,417	(122,759)	(117,672)	163.4%	160.7%
215	Pascua Yaqui Tribe Police Dept.	263,228	223,080	333,962	328,594	(110,882)	(105,514)	149.7%	147.3%
216	Town of Superior Fire Dept.	64,008	53,226	47,040	46,284	6,186	6,942	88.4%	87.0%
217	Wickenburg Fire Dept.	113,749	88,607	109,118	107,364	(20,511)	(18,757)	123.1%	121.2%
221	Quartzsite Fire District	46,506	30,393	76,212	74,987	(45,819)	(44,594)	250.8%	246.7%
222	Rio Verde Fire District	176,361	152,382	192,369	189,277	(39,987)	(36,895)	126.2%	124.2%
223	Scottsdale Fire Dept.	2,819,767	2,259,348	2,486,190	2,446,228	(226,842)	(186,880)	110.0%	108.3%
224	Ak Chin Indian Comm. Fire Dept.	285,516	214,271	283,813	279,251	(69,542)	(64,980)	132.5%	130.3%
225	Ak Chin Indian Comm. Police Dept.	90,391	67,627	162,905	160,287	(95,278)	(92,660)	240.9%	237.0%
226	Corona De Tucson Fire District	193,068	131,731	171,698	168,938	(39,967)	(37,207)	130.3%	128.2%
227	Golden Shores Fire District	56,177	41,170	56,941	56,026	(15,771)	(14,856)	138.3%	136.1%
228	City of Maricopa Fire Dept.	712,260	575,072	590,355	580,866	(15,283)	(5,794)	102.7%	101.0%
229	Cave Creek Marshals	17,578	15,996	15,511	15,262	485	734	97.0%	95.4%

Employer		Liability	Liability	Assets		Unfunded	Unfunded	Funded	Funded
Number	Employer Name	(PVB)	(AAL)	(AVA)	(MV)	(AAL - AVA)	(AAL - MV)	Percent	Percent
231	San Carlos Tribal Police Dept.	152,402	107,964	223,075	219,489	(115,111)	(111,525)	206.6%	203.3%
232	Groom Creek Fire District	25,360	16,167	42,676	41,990	(26,509)	(25,823)	264.0%	259.7%
233	Mount Lemmon Fire District	57,989	45,779	56,291	55,386	(10,512)	(9,607)	123.0%	121.0%
234	Yavapai Prescott Tribal Police	38,839	28,214	59,197	58,245	(30,983)	(30,031)	209.8%	206.4%
235	Tohono O'odham Nation Fire Dept.	296,677	215,590	396,295	389,925	(180,705)	(174,335)	183.8%	180.9%
236	Tohono O'odham Nation Police Dept.	601,566	497,365	872,472	858,448	(375,107)	(361,083)	175.4%	172.6%
237	Williamson Valley Fire District	89,387	59,975	80,420	79,127	(20,445)	(19,152)	134.1%	131.9%
238	Harquahala Fire District	90,330	61,648	92,446	90,960	(30,798)	(29,312)	150.0%	147.5%
239	Coolidge Fire Dept.	30,986	19,550	33,319	32,783	(13,769)	(13,233)	170.4%	167.7%
242	Central AZ. College Police Dept.	45,605	33,936	53,868	53,002	(19,932)	(19,066)	158.7%	156.2%
243	City of Maricopa Police Dept.	462,440	353,457	448,096	440,893	(94,639)	(87,436)	126.8%	124.7%
244	Oracle Fire District	37,392	25,271	41,204	40,542	(15,933)	(15,271)	163.0%	160.4%
245	Benson Fire Dept.	15,556	15,556	20,369	20,042	(4,813)	(4,486)	130.9%	128.8%
246	Desert Hills Fire Dept.	155,359	87,400	148,436	146,050	(61,036)	(58,650)	169.8%	167.1%
247	Queen Creek Fire Dept.	407,902	233,037	266,684	262,397	(33,647)	(29,360)	114.4%	112.6%
248	Sonoita Elgin Fire Dept.	24,877	14,292	61,095	60,113	(46,803)	(45,821)	427.5%	420.6%
249	Christopher-Kohl's Fire District	43,699	33,980	37,677	37,071	(3,697)	(3,091)	110.9%	109.1%
250	Whetstone Fire District	24,792	12,116	28,552	28,093	(16,436)	(15,977)	235.7%	231.9%
251	Queen Valley Fire District	27,951	22,308	31,997	31,483	(9,689)	(9,175)	143.4%	141.1%
252	Lake Mohave Ranchos Fire District	4,917	2,661	85,975	84,593	(83,314)	(81,932)	3230.9%	3179.0%
253	Huachuca City Police Dept.	43,243	35,422	47,644	46,878	(12,222)	(11,456)	134.5%	132.3%
254	Palominas Fire District	9,653	5,594	47,891	47,121	(42,297)	(41,527)	856.1%	842.3%
255	Sun Sites Pearce Fire District	55,949	47,218	33,419	32,882	13,799	14,336	70.8%	69.6%
256	Ponderosa Fire District	14,676	7,369	18,451	18,154	(11,082)	(10,785)	250.4%	246.4%
257	Timber Mesa Fire and Medical Dist	679,757	514,105	635,060	624,852	(120,955)	(110,747)	123.5%	121.5%
258	Central AZ Fire and Medical	1,808,756	1,579,360	1,677,687	1,650,721	(98,327)	(71,361)	106.2%	104.5%
259	Copper Canyon Fire and Medical	421,786	333,758	387,346	381,120	(53,588)	(47,362)	116.1%	114.2%
261	Beaver Dam/Littlefield Fire Dist.	33,342	30,724	13,463	13,247	17,261	17,477	43.8%	43.1%
262	Blue Ridge Fire District	21,220	12,663	6,717	6,609	5,946	6,054	53.0%	52.2%
263	Arizona Fire & Medical Authority	1,517,145	1,218,692	1,396,261	1,373,818	(177,569)	(155,126)	114.6%	112.7%
264	Taylor Snowlake Fire & Medical	0	0	0	0	0	0	100.0%	100.0%
265	Queen Creek Police Dept.	128,838	10,143	0	0	10,143	10,143	0.0%	0.0%
	Unallocated and Former Employers	0	0	18,145	17,854	(18,145)	(17,854)		
	TOTAL	340,111,143	301,703,073	380,136,214	374,026,053	(78,433,141)	(72,322,980)	126.0%	124.0%

APPENDIX I: SUMMARY OF HEALTH FUNDED STATUS BY EMPLOYER – TIER 3

Employer		Liability	Liability	Assets	Assets	Unfunded	Unfunded	Funded	Funded
Number	Employer Name	(PVB)	(AAL)	(AVA)	(MV)	(AAL - AVA)	(AAL - MV)	Percent (AVA/AAL)	Percent (MV/AAL)
004	Chandler Fire Dept.	165,982	21,025	39,671	39,346	(18,646)	(18,321)	188.7%	187.1%
005	Chandler Police Dept.	199,614	34,332	85,491	84,792	(51,159)	(50,460)	249.0%	247.0%
007	Dept. of Public Safety	527,758	91,083	183,522	182,021	(92,439)	(90,938)	201.5%	199.8%
012	Glendale Fire Dept.	143,139	13,888	17,097	16,957	(3,209)	(3,069)	123.1%	122.1%
013	Glendale Police Dept.	178,959	34,336	78,564	77,921	(44,228)	(43,585)	228.8%	226.9%
016	Maricopa County Sheriff's Office	381,089	62,847	152,981	151,730	(90,134)	(88,883)	243.4%	241.4%
017	Mesa Fire Dept.	370,406	40,711	74,482	73,873	(33,771)	(33,162)	183.0%	181.5%
018	Mesa Police Dept.	530,853	83,144	433,945	430,395	(350,801)	(347,251)	521.9%	517.7%
021	Phoenix Fire Dept.	1,080,762	142,304	190,109	188,554	(47,805)	(46,250)	133.6%	132.5%
022	Phoenix Police Dept.	1,382,826	300,850	606,537	601,575	(305,687)	(300,725)	201.6%	200.0%
025	Scottsdale Police Dept.	182,915	30,218	63,441	62,922	(33,223)	(32,704)	209.9%	208.2%
027	Tempe Fire Dept.	93,193	13,804	22,189	22,007	(8,385)	(8,203)	160.7%	159.4%
028	Tempe Police Dept.	144,755	20,096	81,160	80,496	(61,064)	(60,400)	403.9%	400.6%
029	Tucson Fire	193,567	31,661	80,375	79,717	(48,714)	(48,056)	253.9%	251.8%
030	Tucson Police	364,785	77,844	298,115	295,676	(220,271)	(217,832)	383.0%	379.8%
039	Pima County Sheriff's Dept.	265,295	50,349	92,423	91,667	(42,074)	(41,318)	183.6%	182.1%
179	Gila River Fire Dept.	52,016	10,052	13,556	13,445	(3,504)	(3,393)	134.9%	133.8%
180	Gila River Police Dept.	67,159	16,133	33,524	33,250	(17,391)	(17,117)	207.8%	206.1%
223	Scottsdale Fire Dept.	238,169	31,143	46,189	45,811	(15,046)	(14,668)	148.3%	147.1%
	Risk Sharing	5,807,514	1,075,733	2,281,928	2,263,260	(1,206,195)	(1,187,527)	212.1%	210.4%
	Unallocated	0	0	0	1	0	(1)		
	TOTAL	12,370,756	2,181,553	4,875,299	4,835,416	(2,693,746)	(2,653,863)	223.5%	221.7%

APPENDIX J: SUMMARY OF HEALTH CONTRIBUTION BY EMPLOYER – TIERS 1 & 2

Employer Number	Employer Name	ER NC%	UAAL Pmt %	Calculated ER Cont.
001	Bisbee Fire Dept.	0.45%	(0.45%)	0.00%
002	Casa Grande Fire Dept.	0.37%	0.07%	0.44%
003	Casa Grande Police Dept.	0.36%	0.00%	0.36%
004	Chandler Fire Dept.	0.41%	0.00%	0.41%
005	Chandler Police Dept.	0.38%	0.18%	0.56%
006	Clifton Fire Dept.	0.00%	0.00%	0.00%
007	Dept. of Public Safety	0.41%	(0.41%)	0.00%
008	Douglas Fire Dept.	0.44%	(0.44%)	0.00%
009	Douglas Police Dept.	0.43%	(0.43%)	0.00%
010	Flagstaff Fire Dept.	0.40%	(0.40%)	0.00%
011	Flagstaff Police Dept.	0.33%	(0.17%)	0.16%
012	Glendale Fire Dept.	0.38%	(0.38%)	0.00%
013	Glendale Police Dept.	0.39%	0.00%	0.39%
014	Globe Fire Dept.	0.49%	(0.14%)	0.35%
015	Kingman Fire Dept.	0.47%	(0.47%)	0.00%
016	Maricopa County Sheriff's Office	0.44%	(0.44%)	0.00%
017	Mesa Fire Dept.	0.36%	0.24%	0.60%
018	Mesa Police Dept.	0.39%	1.12%	1.51%
020	Nogales Fire Dept.	0.56%	0.55%	1.11%
021	Phoenix Fire Dept.	0.36%	(0.36%)	0.00%
022	Phoenix Police Dept.	0.40%	(0.40%)	0.00%
023	Prescott Fire Dept.	0.41%	(0.39%)	0.02%
024	Prescott Police Dept.	0.39%	0.62%	1.01%
025	Scottsdale Police Dept.	0.37%	(0.37%)	0.00%
026	Sierra Vista Fire Dept.	0.45%	0.74%	1.19%
027	Tempe Fire Dept.	0.32%	(0.11%)	0.21%
028	Tempe Police Dept.	0.38%	0.74%	1.12%
029	Tucson Fire	0.38%	0.07%	0.45%
030	Tucson Police	0.37%	0.40%	0.77%
031	Winslow Fire Dept.	0.42%	(0.42%)	0.00%
032	Yuma Fire Dept.	0.44%	(0.19%)	0.25%
033	Yuma Police Dept.	0.38%	(0.38%)	0.00%
034	Yuma County Sheriff's Dept.	0.37%	(0.37%)	0.00%
035	Game and Fish Dept.	0.51%	(0.40%)	0.11%
036	Sierra Vista Police Dept.	0.41%	0.71%	1.12%
037	Benson Police Dept.	0.40%	(0.40%)	0.00%
038	Bisbee Police Dept.	0.68%	0.00%	0.68%
039	Pima County Sheriff's Dept.	0.49%	(0.49%)	0.00%
040	Kingman Police Dept.	0.46%	(0.46%)	0.00%
041	ASU Campus Police	0.44%	(0.44%)	0.00%
042	Lake Havasu City Fire Dept.	0.42%	(0.42%)	0.00%
043	Mohave County Sheriff's Dept.	0.41%	(0.41%)	0.00%
044	Bullhead City Fire Dept.	0.36%	(0.36%)	0.00%
045	U of A Campus Police	0.43%	(0.12%)	0.31%
046	Cochise County Sheriff's Dept.	0.49%	(0.49%)	0.00%
047	Safford Police Dept.	0.41%	(0.18%)	0.23%
049	Drexel Heights Fire District	0.50%	(0.50%)	0.00%
050	Winslow Police Dept.	0.28%	(0.28%)	0.00%

Employer Number	Employer Name	ER NC%	UAAL Pmt %	Calculated ER Cont.
051	Payson Fire Dept.	0.37%	0.61%	0.98%
052	Payson Police Dept.	0.37%	0.89%	1.26%
053	Northern AZ. Consolidated Fire District #1	0.33%	(0.33%)	0.00%
054	Fry Fire District	0.44%	0.18%	0.62%
055	Fredonia Marshals	0.00%	0.00%	0.00%
056	NAU Campus Police	0.35%	(0.35%)	0.00%
058	South Tucson Fire Dept.	0.00%	0.00%	0.00%
059	Avondale Fire Dept.	0.37%	(0.05%)	0.32%
060	Parker Police Dept.	0.44%	(0.44%)	0.00%
061	Coconino County Sheriff's Dept.	0.36%	0.51%	0.87%
064	Buckskin Fire District	0.29%	(0.23%)	0.06%
065	Snowflake Police Dept.	0.54%	(0.54%)	0.00%
066	Cottonwood Police Dept.	0.43%	(0.43%)	0.00%
067	Lake Havasu City Police Dept.	0.36%	(0.01%)	0.35%
069	South Tucson Police Dept.	0.59%	(0.14%)	0.45%
070	Apache Junction Police Dept.	0.39%	(0.39%)	0.00%
071	Navajo County Sheriff's Dept.	0.43%	(0.43%)	0.00%
072	Mohave Valley Fire District	0.42%	(0.42%)	0.00%
073	Peoria Fire Dept.	0.35%	(0.03%)	0.32%
074	Peoria Police Dept.	0.37%	(0.01%)	0.36%
076	Paradise Valley Police Dept.	0.37%	0.00%	0.37%
077	Willcox Police Dept.	0.42%	(0.42%)	0.00%
078	Show Low Police Dept.	0.37%	(0.37%)	0.00%
079	Eloy Police Dept.	0.43%	(0.43%)	0.00%
080	Nogales Police Dept.	0.55%	(0.55%)	0.00%
081	Gilbert Police Dept.	0.39%	(0.02%)	0.37%
083	Clifton Police Dept.	0.32%	(0.32%)	0.00%
085	Coolidge Police Dept.	0.46%	(0.46%)	0.00%
086	Holbrook Police Dept.	0.48%	(0.48%)	0.00%
087	Santa Cruz County Sheriff's Dept.	0.43%	(0.43%)	0.00%
088	Prescott Valley Police Dept.	0.42%	0.00%	0.42%
089	Eagar Police Dept.	0.45%	(0.45%)	0.00%
090	Tolleson Police Dept.	0.41%	(0.31%)	0.10%
091	Florence Police Dept.	0.44%	(0.44%)	0.00%
092	Springerville Police Dept.	0.34%	(0.34%)	0.00%
093	El Mirage Police Dept.	0.40%	0.00%	0.40%
094	Superior Police Dept.	0.52%	(0.52%)	0.00%
095	San Luis Police Dept.	0.37%	(0.37%)	0.00%
096	Page Police Dept.	0.38%	(0.38%)	0.00%
097	Page Fire Dept.	0.34%	(0.07%)	0.27%
098	Yavapai County Sheriff's Dept.	0.43%	(0.38%)	0.05%
100	Pima Police Dept.	0.31%	(0.31%)	0.00%
101	Apache County Sheriff's Dept.	0.45%	(0.45%)	0.00%
102	Cottonwood Fire Dept.	0.49%	0.22%	0.71%
103	La Paz County Sheriff's Dept.	0.43%	(0.43%)	0.00%
104	Pinal County Sheriff's Dept.	0.38%	(0.38%)	0.00%
105	Clarkdale Police Dept.	0.38%	(0.38%)	0.00%
106	Buckeye Police Dept.	0.41%	0.00%	0.41%
107	Marana Police Dept.	0.42%	(0.30%)	0.12%
108	Tolleson Fire Dept.	0.45%	(0.19%)	0.26%
109	Chino Valley Police Dept.	0.49%	(0.49%)	0.00%
110	Surprise Police Dept.	0.36%	(0.04%)	0.32%
111	Wellton Police Dept.	0.41%	(0.41%)	0.00%

Employer		ER NC%	UAAL Pmt %	Calculated ER Cont.
Number	Employer Name			
112	Gila County Sheriff's Dept.	0.44%	(0.44%)	0.00%
113	Pinetop-Lakeside Police Dept.	0.40%	0.77%	1.17%
114	Bullhead City Police Dept.	0.37%	(0.37%)	0.00%
115	Williams Police Dept.	0.58%	(0.58%)	0.00%
116	Miami Police Dept.	0.39%	(0.39%)	0.00%
117	Thatcher Police Dept.	0.44%	(0.44%)	0.00%
118	Youngtown Police Dept.	0.00%	0.00%	0.00%
119	Dept. of Emer & Military Aff	0.53%	(0.53%)	0.00%
120	Surprise Fire Dept.	0.33%	0.00%	0.33%
121	Camp Verde Marshals	0.46%	(0.46%)	0.00%
122	Oro Valley Police Dept.	0.41%	(0.41%)	0.00%
123	Greenlee County Sheriff's Dept.	0.44%	(0.44%)	0.00%
124	Tucson Airport Authority Fire Dept.	0.41%	(0.22%)	0.19%
125	Tucson Airport Authority Police Dept.	0.35%	(0.35%)	0.00%
126	Wickenburg Police Dept.	0.36%	(0.36%)	0.00%
127	El Mirage Fire Dept.	0.39%	(0.02%)	0.37%
128	Patagonia Marshals	0.00%	0.00%	0.00%
129	Sedona Police Dept.	0.41%	(0.20%)	0.21%
130	Mammoth Police Dept.	0.62%	(0.62%)	0.00%
131	Globe Police Dept.	0.37%	0.03%	0.40%
132	Tombstone Marshals	0.36%	(0.36%)	0.00%
133	Golder Ranch Fire District	0.42%	0.00%	0.42%
134	Fort Mojave Mesa Fire District	0.42%	(0.26%)	0.16%
136	Goodyear Fire Dept.	0.34%	0.00%	0.34%
137	Goodyear Police Dept.	0.35%	(0.21%)	0.14%
139	Avondale Police Dept.	0.40%	(0.07%)	0.33%
140	Graham County Sheriff's Dept.	0.52%	(0.52%)	0.00%
142	Golden Valley Fire District	0.49%	(0.49%)	0.00%
143	Daisy Mountain Fire District	0.43%	(0.04%)	0.39%
144	Quartzsite Police Dept.	0.46%	(0.46%)	0.00%
145	Picture Rocks Fire District	0.45%	(0.45%)	0.00%
146	Pima County Comm. College Police	0.44%	(0.44%)	0.00%
147	Northwest Fire District	0.43%	0.00%	0.43%
148	Superstition Fire and Medical District	0.35%	0.00%	0.35%
149	Gilbert Fire Dept.	0.35%	0.00%	0.35%
150	Pine-Strawberry Fire District	0.39%	(0.39%)	0.00%
151	Attorney General Invest.	0.36%	0.00%	0.36%
153	St. Johns Police Dept.	0.50%	(0.50%)	0.00%
154	Pima County Attorney Invest.	0.49%	(0.49%)	0.00%
156	Kearny Police Dept.	0.73%	0.00%	0.73%
158	Navajo County Attorney Invest.	0.00%	0.00%	0.00%
162	Avra Valley Fire District	0.62%	(0.31%)	0.31%
163	San Luis Fire Dept.	0.54%	0.00%	0.54%
164	AZ Dept. Liq. Lic. & Control Invest.	0.64%	1.50%	2.14%
165	Maricopa County Attorney Invest.	0.61%	(0.61%)	0.00%
166	Sedona Fire District	0.37%	0.18%	0.55%
167	Guadalupe Fire Dept.	0.36%	0.03%	0.39%
168	Mayer Fire District	0.37%	0.00%	0.37%
169	Somerton Police Dept.	0.53%	(0.53%)	0.00%
171	Somerton Fire Dept.	0.60%	(0.58%)	0.02%
172	Tubac Fire District	0.47%	(0.47%)	0.00%
174	Sahuarita Police Dept.	0.34%	(0.34%)	0.00%
176	Florence Fire Dept.	0.46%	0.00%	0.46%

Employer Number	Employer Name	ER NC%	UAAL Pmt %	Calculated ER Cont.
177	Sun City Fire District	0.39%	0.00%	0.39%
178	Hayden Police Dept.	0.53%	(0.53%)	0.00%
179	Gila River Fire Dept.	0.46%	(0.18%)	0.28%
180	Gila River Police Dept.	0.38%	(0.38%)	0.00%
181	Salt River Pima-Maricopa Fire	0.31%	(0.31%)	0.00%
182	Salt River Pima-Maricopa Police	0.34%	(0.23%)	0.11%
185	Pinetop Fire District	0.42%	0.00%	0.42%
187	Yavapai County Attorney Invest.	0.00%	0.00%	0.00%
188	Three Points Fire District	0.68%	0.01%	0.69%
190	Buckeye Fire Dept.	0.38%	0.00%	0.38%
192	Heber-Overgaard Fire District	0.35%	(0.35%)	0.00%
193	Hellsgate Fire District	0.34%	(0.34%)	0.00%
194	Green Valley Fire District	0.40%	0.22%	0.62%
195	Summit Fire District	0.55%	(0.55%)	0.00%
197	Fort McDowell Tribal Fire Dept.	0.56%	(0.56%)	0.00%
198	Fort McDowell Tribal Police Dept.	0.50%	(0.50%)	0.00%
199	Highlands Fire District	0.35%	(0.01%)	0.34%
200	Rio Rico Fire District	0.46%	(0.08%)	0.38%
201	Tri-City Fire District	0.54%	0.00%	0.54%
202	Maricopa County Park Rangers	0.00%	0.00%	0.00%
203	Verde Valley Fire District	0.40%	(0.11%)	0.29%
204	AZ. State Park Rangers	0.52%	(0.52%)	0.00%
206	Hualapai Indian Tribe Police Dept.	0.43%	(0.43%)	0.00%
207	Pinewood Fire District	0.35%	0.46%	0.81%
208	Rincon Valley Fire District	0.48%	0.00%	0.48%
210	Jerome Police Dept.	0.71%	0.00%	0.71%
211	Fort Mojave Tribal Police Dept.	0.33%	(0.29%)	0.04%
212	Buckeye Valley Fire District	0.45%	0.00%	0.45%
213	Eloy Fire District	0.37%	(0.24%)	0.13%
214	Pascua Yaqui Tribe Fire Dept.	0.45%	(0.45%)	0.00%
215	Pascua Yaqui Tribe Police Dept.	0.30%	(0.30%)	0.00%
216	Town of Superior Fire Dept.	0.73%	0.23%	0.96%
217	Wickenburg Fire Dept.	0.49%	0.00%	0.49%
221	Quartzsite Fire District	0.32%	(0.32%)	0.00%
222	Rio Verde Fire District	0.40%	(0.13%)	0.27%
223	Scottsdale Fire Dept.	0.34%	0.00%	0.34%
224	Ak Chin Indian Comm. Fire Dept.	0.48%	0.00%	0.48%
225	Ak Chin Indian Comm. Police Dept.	0.36%	(0.36%)	0.00%
226	Corona De Tucson Fire District	0.46%	0.00%	0.46%
227	Golden Shores Fire District	0.41%	(0.02%)	0.39%
228	City of Maricopa Fire Dept.	0.37%	0.00%	0.37%
229	Cave Creek Marshals	0.41%	0.05%	0.46%
231	San Carlos Tribal Police Dept.	0.27%	(0.27%)	0.00%
232	Groom Creek Fire District	0.53%	(0.53%)	0.00%
233	Mount Lemmon Fire District	0.65%	0.00%	0.65%
234	Yavapai Prescott Tribal Police	0.51%	(0.45%)	0.06%
235	Tohono O'odham Nation Fire Dept.	0.56%	(0.54%)	0.02%
236	Tohono O'odham Nation Police Dept.	0.45%	(0.45%)	0.00%
237	Williamson Valley Fire District	0.38%	0.00%	0.38%
238	Harquahala Fire District	0.43%	(0.04%)	0.39%
239	Coolidge Fire Dept.	0.54%	(0.06%)	0.48%
242	Central AZ. College Police Dept.	0.41%	(0.15%)	0.26%
243	City of Maricopa Police Dept.	0.33%	0.00%	0.33%

Employer		ER NC%	UAAL Pmt %	Calculated ER Cont.
Number	Employer Name			
244	Oracle Fire District	0.50%	(0.11%)	0.39%
245	Benson Fire Dept.	0.00%	0.00%	0.00%
246	Desert Hills Fire Dept.	0.62%	0.00%	0.62%
247	Queen Creek Fire Dept.	0.28%	0.00%	0.28%
248	Sonoma Elgin Fire Dept.	0.85%	(0.85%)	0.00%
249	Christopher-Kohl's Fire District	0.38%	0.00%	0.38%
250	Whetstone Fire District	0.28%	(0.07%)	0.21%
251	Queen Valley Fire District	0.89%	(0.53%)	0.36%
252	Lake Mohave Ranchos Fire District	0.28%	(0.28%)	0.00%
253	Huachuca City Police Dept.	0.65%	(0.21%)	0.44%
254	Palominas Fire District	0.24%	(0.24%)	0.00%
255	Sun Sites Pearce Fire District	0.38%	0.64%	1.02%
256	Ponderosa Fire District	0.35%	(0.09%)	0.26%
257	Timber Mesa Fire and Medical Dist	0.43%	0.00%	0.43%
258	Central AZ Fire and Medical	0.38%	0.00%	0.38%
259	Copper Canyon Fire and Medical	0.41%	0.00%	0.41%
261	Beaver Dam/Littlefield Fire Dist.	0.52%	0.56%	1.08%
262	Blue Ridge Fire District	0.44%	0.25%	0.69%
263	Arizona Fire & Medical Authority	0.39%	0.00%	0.39%
264	Taylor Snowlake Fire & Medical	0.00%	0.00%	0.00%
265	Queen Creek Police Dept.	0.33%	0.02%	0.35%
	TOTAL	0.39%	(0.12%)	0.27%

APPENDIX K: SUMMARY OF HEALTH CONTRIBUTION BY EMPLOYER – TIER 3

Employer		UAAL	Total	EE	ER	
Number	Employer Name	NC%	Pmt %	Cont. %	Cont. %	Cont. %
004	Chandler Fire Dept.	0.25%	0.00%	0.25%	0.13%	0.13%
005	Chandler Police Dept.	0.21%	0.00%	0.21%	0.11%	0.11%
007	Dept. of Public Safety	0.21%	0.00%	0.21%	0.11%	0.11%
012	Glendale Fire Dept.	0.26%	0.00%	0.26%	0.13%	0.13%
013	Glendale Police Dept.	0.18%	0.00%	0.18%	0.09%	0.09%
016	Maricopa County Sheriff's Office	0.22%	0.00%	0.22%	0.11%	0.11%
017	Mesa Fire Dept.	0.27%	0.00%	0.27%	0.14%	0.14%
018	Mesa Police Dept.	0.19%	0.00%	0.19%	0.10%	0.10%
021	Phoenix Fire Dept.	0.26%	0.00%	0.26%	0.13%	0.13%
022	Phoenix Police Dept.	0.21%	0.00%	0.21%	0.11%	0.11%
025	Scottsdale Police Dept.	0.18%	0.00%	0.18%	0.09%	0.09%
027	Tempe Fire Dept.	0.19%	0.00%	0.19%	0.10%	0.10%
028	Tempe Police Dept.	0.19%	0.00%	0.19%	0.10%	0.10%
029	Tucson Fire	0.25%	0.00%	0.25%	0.13%	0.13%
030	Tucson Police	0.21%	0.00%	0.21%	0.11%	0.11%
039	Pima County Sheriff's Dept.	0.23%	0.00%	0.23%	0.12%	0.12%
179	Gila River Fire Dept.	0.33%	0.00%	0.33%	0.17%	0.17%
180	Gila River Police Dept.	0.24%	0.00%	0.24%	0.12%	0.12%
223	Scottsdale Fire Dept.	0.28%	0.00%	0.28%	0.14%	0.14%
	Risk Sharing	0.24%	0.00%	0.24%	0.12%	0.12%
	TOTAL	0.23%	0.00%	0.23%	0.12%	0.12%