

***Arizona Public Safety Personnel  
Retirement System***

*Actuarial Valuation as of June 30, 2008*

November 20, 2008

The Fund Manager  
Arizona Public Safety Personnel Retirement System  
Phoenix, Arizona

This report contains the consolidated results of the June 30, 2008 actuarial valuation of the Arizona Public Safety Personnel Retirement System. The valuations determine the 2009-2010 Fiscal Year employer contribution requirements and the June 30, 2008 actuarial present values associated with each unit's participation.

Participant data was provided by your Administrator. This data has been reviewed for reasonableness, but no attempt has been made to audit such information. Financial information was taken from the June 30, 2008 information submitted by your Administrator.

The valuations were based on the provisions of the Arizona Public Safety Personnel Retirement System as amended through June 30, 2008. The valuations were made in accordance with generally accepted actuarial principles and practices.

Respectfully submitted,

A handwritten signature in cursive script that reads "Sandra W. Rodwan".

Sandra W. Rodwan  
Member, American Academy of Actuaries

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***Section One:***  
***Valuation Summary***



## **Purpose of Valuation**

The purpose of the annual actuarial valuation of the Arizona Public Safety Personnel Retirement System as of June 30, 2008 is to:

- ❖ Compute the liabilities associated with benefits likely to be paid on behalf of current retired and active members. This information is contained on page 11.
- ❖ Compare accrued assets with accrued liabilities to assess the funded condition. This information is contained on pages 8, 9 and 18 through 22.
- ❖ Compute the employers' recommended contribution rates for the Fiscal Year beginning July 1, 2009. This information is contained on pages 6 and 12 through 17.

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

## **Liabilities and Funded Condition of Retirement System**

Accrued liabilities of the Retirement System as of June 30, 2008, were computed to be \$7,662,778,641. The funding value of accrued assets was \$5,095,645,042. The ratio of the funding value of accrued assets to accrued liabilities was 66.5%.

## **Funding Value of Assets**

A smoothed market value of assets was used for the June 30, 2008 valuation. This method spreads the difference between actual and expected investment return over seven years. Prior to the June 30, 2003 valuation, the difference was spread over four years.

## **Aggregate Computed Contribution Rate**

Contribution rates are computed individually for each participating unit. In the aggregate, the normal cost contribution rate was computed to be 19.45% of member payroll. Deducting member contributions of 7.65% of payroll resulted in an aggregate employer normal cost of 11.80% of payroll.

The excess of accrued liabilities over accrued assets produced a 28-year amortization payment of 8.97% of payroll.

The aggregate net employer contribution for FY 2009/2010 was therefore computed to be 20.77% of payroll. After the application of the 8.00% minimum contribution required for each unit by Statute (5.00% minimum for employers whose contribution for 06/07 was less than 8%), the aggregate net employer contribution is 20.78% of payroll.

### **Retirement System Experience**

In the aggregate, actuarial gains and losses during the year ending June 30, 2007 were largely offsetting. The net effect was a small increase in the funded percent to 66.5% from 66.4% last year. The smoothed market value of assets used for the valuation spreads the difference between the assumed investment return and actual return over 7 years. The large carry-forward of negative experience from FY 2000/2001 dropped off in this actuarial valuation. This offset the portion of the negative investment experience from FY 2007/2008 which is recognized this year.

The number of members participating in the Deferred Retirement Option Plan (DROP) decreased during the year ended June 30, 2008 to 1,181 from 1,325 and the number of active members increased to 19,912 from 18,264.

### **Benefit Provision Changes**

There were no benefit changes in this valuation.

### **Assumption and Method Changes**

There were no changes in assumptions or actuarial cost methods in this valuation.

### **Participant Data**

	<u>6/30/2008</u>	<u>6/30/2007</u>
Active Members	19,912	18,624
Active Member Payroll	\$1,383,332,020	\$1,228,037,467
Retirees and Beneficiaries	8,241	7,633
DROP participants	1,181	1,325
Annual Pensions	\$404,386,274	\$375,472,203

**Financial Data**

	<u>6/30/2008</u>	<u>6/30/2007</u>
Smoothed Valuation Assets	\$5,595,596,315*	\$5,492,452,536*
Market Value of Assets	\$5,019,280,698	\$5,531,793,708

\* The net smoothed value of assets used for the valuation after deducting the Future Benefit Increase Reserve was \$5,095,645,042 as of 6/30/2008 and \$4,829,521,186 as of 6/30/2007.

## Comments, Recommendations and Conclusion

**Comment 1:** This report contains the consolidated results of the individual actuarial valuations of the 229 units in the Arizona Public Safety Personnel Retirement System as of June 30, 2008. The aggregate results are indicative of the overall condition of the Retirement System. The condition of each unit, however, is dependent upon its particular experience and characteristics.

Of the 229 units, 32 had accrued valuation assets in excess of actuarial accrued liabilities. The amount of this excess was amortized as a level percent of payroll over an open period of 20 years and applied as a temporary credit to the employer normal cost contribution rate. In the remaining 197 units, unfunded actuarial accrued liabilities were amortized as a level percent of payroll over a closed 28 year period and added to the normal cost to produce the total employer contribution rate.

**Comment 2:** The asset valuation method which incorporates 7 year smoothing of the difference between actual and expected return is unchanged from the prior year. Carry-forwards of the FY 2007/2008 investment loss will be recognized annually through FY 2013/2014.

**Comment 3:** The June 30, 2008 annual actuarial valuation includes the Stabilization Reserve Account pursuant to legislation enacted in 2006. One-half of increases (if any) in the excess of accrued assets over accrued liabilities for an employer are allocated to the Stabilization Reserve Account for that employer to be available to offset a portion of any future unfunded actuarial accrued liability. Seventeen units had a Stabilization Reserve Account as of June 30, 2008. The total amount was \$2,106,779. The Stabilization Reserve Accounts were excluded from the computation of the employer contribution rates.

**Conclusion:** The decrease in the computed contribution rates reflects the recognized experience during the year, including the drop-off of the carry-forward of FY 2000/2001 negative investment return and the increase in the number of non-DROP members. It is important to note that in the absence of investment return in excess of the assumed rate or favorable experience in other areas such as rates of salary increase or rates of retirement/DROP, it is likely that employer contribution rates will increase in the future.





***Section Two:***

***Actuarial Calculations –  
Funding***



**Contribution Requirements – 2009/2010 Fiscal Year**

**Member:** 7.65% of covered compensation

**Employer:** The aggregate computed contribution rate before application of the statutory minimum was 20.77% of covered compensation, consisting of 11.80% for normal cost, 8.97% for amortization of unfunded actuarial accrued liability\*.

**Components of Computed Normal Cost**

	<b>Percents of Covered Compensation</b>
Normal cost requirement	
Service pensions	14.71%
Disability pensions	2.44
Survivors of active members	0.97
Refunds of members' accumulated contributions	0.82
Health insurance	<u>0.51</u>
Total normal cost requirement	19.45%
Less member contribution	<u>7.65</u>
Employer normal cost requirement	11.80%

*\*In the aggregate, actuarial accrued liability, \$7,662,778,641, exceeded the funding value of accrued assets, \$5,095,645,042. Of the 229 units, 32 had assets in excess of accrued liabilities and 197 had unfunded accrued liabilities. The excess was amortized as a level percent of payroll over an open period of 20 years and applied as a credit to the employer normal cost. The unfunded actuarial accrued liabilities were amortized as a level percent of payroll over a closed period of 28 years and added to the employer normal cost. The 28 year period is a one year decrease from last year.*

*These contribution rates are prior to the minimum 8.00% rate established for each unit by the State Legislature beginning with the 2007/2008 fiscal year. The total aggregate computed contribution after application of the minimum is 20.78% of payroll (5.00% minimum for employers whose contribution for FY 06/07 was less than 8%).*

**NOTE:** Covered compensation does not include the compensation of any members participating in the Deferred Retirement Option Plan (DROP). No employer or member contributions are made on the compensation of DROP members.

**Computed Employer Contribution Requirements**

<b>Valuation Date:</b>		<b>Unfunded Actuarial</b>	
<b>June 30</b>	<b>Normal Cost</b>	<b>Accrued Liability</b>	<b>Total</b>
1977	11.37%	4.18%	15.55%
1980	9.15	2.71	11.86
1985	7.67	0.00	7.67
1990	8.26	(0.16)	8.10
1995	9.96	(1.85)	8.11
1996	9.94	(3.58)	6.36
1997	9.92	(4.10)	5.82
1998	9.76	(4.47)	5.29
1999	10.89	(5.68)	5.21
2000*	10.86	(6.65)	4.21
2001*	11.21	(7.46)	3.75
2002*	11.61	(3.95)	7.66
2003*	10.32	(0.27)	10.05
2004*	10.29	2.51	12.80
2005**	10.71	6.38	17.09
2005#	9.15	4.68	13.83
2006***	10.08	6.44	16.52
2007 (b)	10.23	8.48	18.71
2007***(a)	12.33	9.38	21.71
<b>2008</b>	<b>11.80</b>	<b>8.97</b>	<b>20.77</b>

\* Computed contribution rates are before application of the 2.00% minimum employer contribution for each participating unit. Minimum rate established by State Legislature in 2000 for fiscal years beginning 2002/2003.

\*\* Computed contribution rates are before application of the 5.00% minimum employer contribution for each participating unit. Minimum rate established by State Legislature in 2004 for fiscal years beginning 2006/2007.

\*\*\* Computed contribution rates are before application of the 8.00% minimum employer contribution for each participating unit. Minimum rate established by State Legislature in 2006 for fiscal years beginning 2007/2008 (5.00% minimum rate for employers whose FY 06/07 contribution was less than 8.00%.

# Revised pursuant to changes enacted by the 2006 Legislature and the PSPRS Fund Manager.

(b) Before changes in actuarial assumptions and methods.

(a) After changes in actuarial assumptions and methods.

**Actuarial Accrued Liability**

The total contribution is made up of two parts, the normal cost and the amortization of the unfunded actuarial accrued liability. For 32 of the participating units, the valuation assets exceed the actuarial accrued liability so they have a credit against the normal cost. The remaining 197 units have a contribution greater than the normal cost to pay for a portion of the past service liability. The Legislature has established a policy of amortizing, or funding, the unfunded actuarial accrued liability over a period of 30 years, 28 years remaining as of June 30, 2008 (20 year open period for valuation assets in excess of actuarial accrued liability).

The actuarial accrued liability exceeded the valuation assets by \$2,567,133,598.

	<u>June 30, 2008</u>	<u>June 30, 2007</u>
Actuarial Accrued Liability		
Retired members and survivors*	\$4,404,386,241	\$4,266,600,730
Former members with vested benefits	13,811,132	11,694,926
Active members	<u>3,244,581,268</u>	<u>2,989,995,829</u>
Total	\$7,662,778,641	\$7,268,291,485
Valuation Assets**	\$5,095,645,042**	\$4,829,521,186**
Unfunded Actuarial Accrued Liability	\$2,567,133,599	\$2,438,770,299
Stabilization Reserve	2,106,779	1,028,469
Net Unfunded Actuarial Accrued Liability	\$2,569,240,378	\$2,439,798,768

\* This amount includes liability for DROP participants of \$985,550,956 (\$1,082,670,018 as of June 30, 2007).

\*\* This amount excludes the \$499,951,273 in investment income reserve held for future pension increases pursuant to state statute (\$662,931,350 as of June 30, 2007).

## History of Assets and Accrued Liabilities

<b>Valuation Date June 30</b>	<b>Valuation Assets</b>	<b>Actuarial Accrued Liabilities</b>	<b>Funded Ratio</b>	<b>Unfunded Actuarial Accrued Liabilities</b>	<b>Financing Period</b>
1977	\$198,449	\$ 252,662	78.5%	\$54,213	40 yrs.
1980	323,768	371,873	87.1	48,105	37
1985	693,159	706,779	98.1	13,620	32
1990	1,297,562	1,322,781	98.1	25,219	27
1995	2,181,351	2,117,732	103.0	-	22
1996	2,487,953	2,328,276	106.9	-	21
1997	2,915,173	2,533,435	115.1	-	20
1998	3,192,627	2,743,998	116.3	-	20
1999	3,709,251	3,082,202	120.3	-	20
2000	4,260,168	3,415,157	124.7	-	20
2001	4,661,941	3,674,758	126.9	-	20
2002	4,684,386	4,144,211	113.0	-	20
2003	4,781,377	4,739,613	100.9	-	20
2004	4,774,313	5,167,333	92.4	393,020	20
2005	4,886,963	5,951,937	82.1	1,064,974	20
2005#	4,886,963	5,872,736	83.2	985,773	30
2006	4,999,911	6,495,012	77.0	1,495,101	30
2007(b)	4,829,521	7,029,372	68.7	2,199,851	29
2007(a)	4,829,521	7,268,291	66.4	2,438,770	29
<b>2008</b>	<b>5,095,645</b>	<b>7,662,779</b>	<b>66.5</b>	<b>2,567,134</b>	<b>28</b>

*Dollar amounts in \$000.*

**Results shown throughout this report for years prior to 2001 were prepared by the previous actuarial firm.**

*# Revised pursuant to changes enacted by the 2006 Legislature and the PSPRS Fund Manager.*

*(b) Before changes in actuarial assumptions and methods.*

*(a) After changes in actuarial assumptions and methods.*

**Aggregate Gain/Loss**

	<b>Year Ended June 30, 2008 (\$+000)</b>
(1) UAAL <sup>a</sup> at start of year	\$2,438,770
(2) Normal cost	245,345
(3) Funding method contributions	330,713
(4) Interest accrual	203,667
(5) Expected UAAL before changes	2,557,069
(6) Change from amendments	None
(7) Change from assumption and method revisions	None
(8) Expected UAAL after changes	2,557,069
(9) Actual UAAL	2,567,134
(10) Gain(Loss)	(10,065)
(11) Percent of AAL <sup>b</sup>	(0.1)%

<sup>a</sup> Unfunded Actuarial Accrued Liability

<sup>b</sup> Actuarial Accrued Liability at beginning of year.

In the aggregate, the experience during the year produced a net loss of \$10,065,000. The following are estimates of some of the gains and losses by source. It is important to note that these are estimates only. The absence of individual identifiers (e.g. social security numbers) in last year's data precluded tracking the actual experience by individual during the year.

Sources of gains/(losses):

	<u>+000</u>
Investment Return	\$(38,636)
Salary Increases	2,836
Other	<u>25,735</u>
Total	\$(10,065)

**Aggregate Actuarial Balance Sheet June 30, 2008****Actuarial Assets**

Accrued Assets		
Member accumulated contributions	\$ 789,565,692	
Employer and benefit payment reserves	4,729,666,278	
Funding value adjustment	<u>76,364,345</u>	
Total accrued assets*		\$5,595,596,315
Prospective assets (computed value)		
Member contributions	1,159,587,984	
Employer normal costs	1,726,541,278	
Employer unfunded actuarial accrued liability	<u>2,567,133,599</u>	
Total prospective assets		<u>5,453,262,861</u>
Total Actuarial Assets		<u><u>\$11,048,859,176</u></u>

\* Includes \$499,951,273 reserve for payment of ad-hoc pension increases. The net funding value of assets is \$5,095,645,042.

**Actuarial Present Values (Liability)**

Pensions in payment status		
Service pensions	\$2,609,681,679	
Disability pensions	407,107,572	
Survivor pensions	282,472,407	
Health insurance	<u>119,573,627</u>	
Total benefit values		\$3,418,835,285
Prospective pension payments and refunds (future retirements)		6,926,236,831
Prospective health insurance payments (future retirements)		201,729,008
Reserve for future pension increases		499,951,273
Stabilization reserve account		<u>2,106,779</u>
Total Actuarial Present Values (Liability)		<u><u>\$11,048,859,176</u></u>

**Employer Contribution Requirements**  
**2009/2010 Fiscal Year**  
**Expressed as Percents of Covered Compensation**

<u>Employer</u>	<u>Normal</u> <u>Cost</u>	<u>Amort. of</u> <u>Unf. Act.</u> <u>Accr.</u> <u>UAAL*</u>	<u>Total</u> <u>Computed</u> <u>Emp. Contrib.</u>	<u>Total Required</u> <u>Emp. Contrib.</u>
Ak Chin Indian Community Fire	10.89%	1.58%	12.47%	12.47%
Ak Chin Indian Community Police	11.90	(0.17)	11.73	11.73
Apache County Sheriffs	11.62	15.88	27.50	27.50
Apache Junction Fire District	11.44	3.73	15.17	15.17
Apache Junction Police	11.24	9.96	21.20	21.20
Arizona Attorney General Investigators	9.51	36.88	46.39	46.39
Arizona Department of Liquor Licenses	9.17	9.85	19.02	19.02
Arizona State Capitol Police	8.52	2.48	11.00	11.00
Arizona State Parks	11.59	5.92	17.51	17.51
ASU Police	13.04	6.92	19.96	19.96
Avondale Fire Fighters	11.15	2.87	14.02	14.02
Avondale Police	9.13	2.92	12.05	12.05
Avra Valley Fire District	9.78	(9.26)	0.52	5.00
Benson Fire Fighters	1.78	(2.45)	0.00	5.00
Benson Police	8.71	5.68	14.39	14.39
Bisbee Fire Fighters	11.82	25.95	37.77	37.77
Bisbee Police	13.30	20.77	34.07	34.07
Black Canyon Fire District	9.72	1.56	11.28	11.28
Buckeye Fire Fighters	8.77	(0.06)	8.71	8.71
Buckeye Police	8.46	1.10	9.56	9.56
Buckeye Valley Fire District	9.33	0.38	9.71	9.71
Buckskin Fire Fighters	10.64	15.73	26.37	26.37
Bullhead City Fire Fighters	12.07	4.44	16.51	16.51
Bullhead City Police	11.19	6.71	17.90	17.90
Camp Verde Fire District	10.64	2.29	12.93	12.93
Camp Verde Marshals	10.33	3.63	13.96	13.96
Casa Grande Fire Fighters	9.78	6.41	16.19	16.19
Casa Grande Police	9.98	10.40	20.38	20.38
Cave Creek Marshals	9.55	2.17	11.72	11.72
Central Arizona College Police	8.88	0.29	9.17	9.17
Central Yavapai Fire Fighters	11.91	7.24	19.15	19.15
Chandler Fire Fighters	11.45	4.90	16.35	16.35
Chandler Police	11.36	6.19	17.55	17.55
Chino Valley Fire District	10.71	3.62	14.33	14.33
Chino Valley Police	10.56	3.21	13.77	13.77
Clarksdale Fire Fighters	7.26	0.07	7.33	7.33
Clarksdale Police	10.95	3.53	14.48	14.48
Clifton Fire Fighters	(7.65)	0.00	0.00	5.00
Clifton Police	5.82	(5.82)	0.00	5.00
Cochise County Sheriffs	10.52	13.93	24.45	24.45
Coconino County Sheriffs	10.97	16.85	27.82	27.82
Coolidge Fire Fighters	7.69	(0.16)	7.53	7.53
Coolidge Police	9.58	5.25	14.83	14.83



Section Two: Actuarial Calculations – Funding

<b><u>Employer</u></b>	<b><u>Normal Cost</u></b>	<b><u>Amort. of Unf. Act. Accr. UAAL*</u></b>	<b><u>Total Computed Emp. Contrib.</u></b>	<b><u>Total Required Emp. Contrib.</u></b>
Corona De Tucson Fire District	11.14%	4.34%	15.48%	15.48%
Cottonwood Fire Fighters	10.39	2.98	13.37	13.37
Cottonwood Police	9.99	10.71	20.70	20.70
D.E.M.A.	10.23	6.23	16.46	16.46
Daisy Mountain Fire District	10.56	1.09	11.65	11.65
Department of Public Safety	12.11	14.84	26.95	26.95
Desert Hills Fire Fighters	7.16	(0.07)	7.09	7.09
Diamond Star Fire Fighters	11.23	1.97	13.20	13.20
Douglas Fire Fighters	12.23	19.03	31.26	31.26
Douglas Police	10.11	14.67	24.78	24.78
Drexel Heights Fire Fighters	10.91	2.99	13.90	13.90
Eagar Police	8.92	3.60	12.52	12.52
El Mirage Fire Fighters	10.28	1.02	11.30	11.30
El Mirage Police	8.10	3.48	11.58	11.58
Eloy Fire District	9.60	3.88	13.48	13.48
Eloy Police	10.24	2.08	12.32	12.32
Flagstaff Fire Fighters	13.11	14.37	27.48	27.48
Flagstaff Police	11.27	10.88	22.15	22.15
Florence Fire Fighters	8.82	(0.55)	8.27	8.27
Florence Police	10.14	(0.52)	9.62	9.62
Fort McDowell Tribal Fire Department	9.14	(4.60)	4.54	5.00
Fort McDowell Tribal Police Department	11.15	(0.87)	10.28	10.28
Fort Mohave Mesa Fire District	10.70	5.90	16.60	16.60
Fort Mojave Tribal Police	8.56	0.15	8.71	8.71
Fredonia Marshals	8.35	(3.67)	4.68	5.00
Fry Fire Fighters	10.81	9.73	20.54	20.54
Game & Fish Department	12.83	24.26	37.09	37.09
Gila County Sheriffs	11.17	8.86	20.03	20.03
Gila River Fire Fighters	10.07	1.85	11.92	11.92
Gila River Police	9.22	0.51	9.73	9.73
Gilbert Fire Fighters	10.19	1.44	11.63	11.63
Gilbert Police	10.40	3.63	14.03	14.03
Glendale Fire Fighters	11.91	6.37	18.28	18.28
Glendale Police	11.14	9.54	20.68	20.68
Globe Fire Fighters	11.76	10.71	22.47	22.47
Globe Police	10.35	11.90	22.25	22.25
Golden Shores Fire District	9.39	(0.50)	8.89	8.89
Golden Valley Fire District	10.76	2.62	13.38	13.38
Golder Ranch Fire District	11.04	2.39	13.43	13.43
Goodyear Fire Fighters	9.69	1.14	10.83	10.83
Goodyear Police	10.27	3.25	13.52	13.52
Graham County Attorney Investigators	(7.65)	0.00	0.00	5.00
Graham County Sheriffs	10.47	6.23	16.70	16.70
Green Valley Fire District	11.78	3.23	15.01	15.01
Greenlee County Attorney Investigators	(7.65)	0.00	0.00	5.00
Greenlee County Sheriffs	9.42	2.36	11.78	11.78
Groom Creek Fire District	7.61	0.93	8.54	8.54

Section Two: Actuarial Calculations – Funding

<b>Employer</b>	<b>Normal Cost</b>	<b>Amort. of Unf. Act. Accr. UAAL*</b>	<b>Total Computed Emp. Contrib.</b>	<b>Total Required Emp. Contrib.</b>
Guadalupe Fire Fighters	10.61%	6.46%	17.07%	17.07%
Harquahala Fire District	7.82	(0.06)	7.76	7.76
Hayden Police	9.41	(3.47)	5.94	5.94
Heber-Overgaard Fire Fighters	12.92	0.40	13.32	13.32
Highlands Fire District	9.60	4.10	13.70	13.70
Holbrook Police	10.19	14.37	24.56	24.56
Hualapai Indian Tribe Police Dept.	8.70	(0.50)	8.20	8.20
Hualapai Valley Fire Fighters	9.75	2.74	12.49	12.49
Jerome Police Department	13.59	0.06	13.65	13.65
Kearny Police	7.50	(2.02)	5.48	5.48
Kingman Fire Fighters	10.50	6.48	16.98	16.98
Kingman Police	10.75	7.46	18.21	18.21
La Paz County Attorney Investigators	9.65	(4.59)	5.06	5.06
La Paz County Sheriffs	11.46	10.92	22.38	22.38
Lake Havasu City Fire Fighters	10.39	9.29	19.68	19.68
Lake Havasu City Police	10.88	7.47	18.35	18.35
Lakeside Fire Fighters	9.80	0.41	10.21	10.21
Linden Fire District	7.48	(1.38)	6.10	6.10
Mammoth Police	12.22	1.32	13.54	13.54
Marana Police	10.30	2.81	13.11	13.11
Maricopa County Attorney Investigators	11.05	14.97	26.02	26.02
Maricopa County Park Rangers	(7.65)	0.00	0.00	5.00
Maricopa County Sheriff	12.70	9.58	22.28	22.28
Maricopa Fire District	7.75	0.05	7.80	7.80
Maricopa Police	5.32	(0.02)	5.30	5.30
Mayer Fire District	10.76	(1.62)	9.14	9.14
Mesa Fire Fighters	12.69	9.19	21.88	21.88
Mesa Police	13.23	8.21	21.44	21.44
Miami Fire Fighters	(7.65)	0.00	0.00	5.00
Miami Police	10.59	5.53	16.12	16.12
Mohave County Sheriffs	11.00	6.86	17.86	17.86
Mohave Valley Fire Fighters	11.00	(1.86)	9.14	9.14
Montezuma/Rimrock Fire Fighters	8.51	3.49	12.00	12.00
Mt. Lemmon Fire District	9.33	0.93	10.26	10.26
NAU Police	9.93	15.43	25.36	25.36
Navajo County Attorney Investigators	(7.65)	0.00	0.00	5.00
Navajo County Sheriffs	10.31	10.80	21.11	21.11
Nogales Fire Fighters	12.17	10.05	22.22	22.22
Nogales Police	11.35	6.24	17.59	17.59
Northwest Fire District	11.53	2.50	14.03	14.03
Oracle Fire Fighters	11.95	2.39	14.34	14.34
Oro Valley Police	10.69	4.19	14.88	14.88
Page Fire Fighters	8.36	1.85	10.21	10.21
Page Police	9.21	2.97	12.18	12.18
Paradise Valley Police	10.57	18.12	28.69	28.69
Parker Police	8.98	0.93	9.91	9.91
Pascua-Yaqui Tribal Fire	11.60	5.40	17.00	17.00

Section Two: Actuarial Calculations – Funding

<u>Employer</u>	<u>Normal Cost</u>	<u>Amort. of Unf. Act. Accr. UAAL*</u>	<u>Total Computed Emp. Contrib.</u>	<u>Total Required Emp. Contrib.</u>
Pascua-Yaqui Tribal Police	11.01%	4.13%	15.14%	15.14%
Patagonia Marshals	(7.65)	0.00	0.00	5.00
Payson Fire Fighters	12.12	4.99	17.11	17.11
Payson Police	11.41	14.24	25.65	25.65
Peoria Fire Fighters	11.39	3.27	14.66	14.66
Peoria Police	10.20	4.96	15.16	15.16
Phoenix Fire Fighters	12.40	12.01	24.41	24.41
Phoenix Police	12.98	11.33	24.31	24.31
Picture Rocks Fire Fighters	10.24	(1.32)	8.92	8.92
Pima Community College Police	11.24	6.63	17.87	17.87
Pima County Attorney Investigators	9.73	12.59	22.32	22.32
Pima County Sheriffs	12.68	10.86	23.54	23.54
Pima Police	8.15	(7.29)	0.86	5.00
Pinal County Sheriffs	11.85	5.36	17.21	17.21
Pine-Strawberry Fire Fighters	10.35	6.22	16.57	16.57
Pinetop Fire Fighters	10.67	4.70	15.37	15.37
Pinetop-Lakeside Police	7.99	8.94	16.93	16.93
Pinewood Fire District	10.02	5.22	15.24	15.24
Prescott Fire Fighters	10.88	15.51	26.39	26.39
Prescott Police	10.69	16.99	27.68	27.68
Prescott Valley Police	10.55	2.90	13.45	13.45
Quartzsite Fire District	10.16	2.69	12.85	12.85
Quartzsite Police Department	9.30	(1.90)	7.40	7.40
Queen Creek Fire Fighters	6.66	(0.04)	6.62	6.62
Rincon Valley Fire District	9.68	1.70	11.38	11.38
Rio Rico Fire District	9.36	0.58	9.94	9.94
Rio Verde Fire District	6.93	2.01	8.94	8.94
Safford Police	10.77	12.72	23.49	23.49
Sahuarita Police	8.31	(0.82)	7.49	7.49
Salt River Pima-Maricopa Fire Fighters	11.58	4.01	15.59	15.59
Salt River Pima-Maricopa Police	9.71	3.12	12.83	12.83
San Carlos Tribal Police	11.39	5.05	16.44	16.44
San Luis Fire Fighters	11.04	0.53	11.57	11.57
San Luis Police	10.46	2.81	13.27	13.27
Santa Cruz County Sheriffs	11.12	9.37	20.49	20.49
Scottsdale Fire	9.22	(0.54)	8.68	8.68
Scottsdale Police	12.72	6.92	19.64	19.64
Sedona Fire District	9.87	3.80	13.67	13.67
Sedona Police	10.10	2.52	12.62	12.62
Show Low Fire Fighters	9.17	0.67	9.84	9.84
Show Low Police	10.06	4.44	14.50	14.50
Sierra Vista Fire Fighters	10.36	4.52	14.88	14.88
Sierra Vista Police	11.01	9.78	20.79	20.79
Snowflake Police	10.68	6.93	17.61	17.61
Somerton Fire Fighters	11.06	2.03	13.09	13.09
Somerton Police	10.86	4.10	14.96	14.96
South Tucson Fire Fighters	11.61	7.06	18.67	18.67

Section Two: Actuarial Calculations – Funding

<b><u>Employer</u></b>	<b><u>Normal Cost</u></b>	<b><u>Amort. of Unf. Act. Accr. UAAL*</u></b>	<b><u>Total Computed Emp. Contrib.</u></b>	<b><u>Total Required Emp. Contrib.</u></b>
South Tucson Police	10.51%	21.66%	32.17%	32.17%
Springerville Police	11.66	1.57	13.23	13.23
St. John's Police	12.59	0.07	12.66	12.66
Summit Fire District	10.05	1.03	11.08	11.08
Sun City Fire Fighters	11.66	12.40	24.06	24.06
Sun City West Fire District	11.16	6.26	17.42	17.42
Sun Lakes Fire District	11.16	2.52	13.68	13.68
Superior Fire	9.37	0.72	10.09	10.09
Superior Police	8.83	0.96	9.79	9.79
Surprise Fire Fighters	9.92	1.23	11.15	11.15
Surprise Police	9.80	2.67	12.47	12.47
Tempe Fire Fighters	12.53	11.54	24.07	24.07
Tempe Police	10.97	11.26	22.23	22.23
Thatcher Police	9.88	12.28	22.16	22.16
Three Points Fire District	10.11	0.33	10.44	10.44
Tohono O'Odham Nation Fire Fighters	10.28	1.63	11.91	11.91
Tohono O'Odham Nation Police	10.89	0.91	11.80	11.80
Tolleson Fire Fighters	11.64	2.30	13.94	13.94
Tolleson Police	9.48	5.44	14.92	14.92
Tombstone Marshals	8.84	(1.91)	6.93	6.93
Tonopah Fire District	9.17	(0.42)	8.75	8.75
Tri-City Fire District	9.67	(0.09)	9.58	9.58
Tubac Fire District	10.11	1.87	11.98	11.98
Tucson Airport Authority Fire Fighters	10.51	19.13	29.64	29.64
Tucson Airport Authority Police	10.06	15.10	25.16	25.16
Tucson Fire Fighters	12.41	14.85	27.26	27.26
Tucson Police	12.72	13.55	26.27	26.27
U of A Police	11.20	8.81	20.01	20.01
Verde Valley Fire District	10.30	0.58	10.88	10.88
Wellton Police	8.63	2.38	11.01	11.01
Wickenburg Fire	7.57	1.43	9.00	9.00
Wickenburg Police	9.43	8.17	17.60	17.60
Willcox Police	11.07	8.74	19.81	19.81
Williams Police	11.94	0.74	12.68	12.68
Williamson Valley Fire District	7.39	(0.51)	6.88	6.88
Winslow Fire Fighters	10.57	(10.57)	0.00	5.00
Winslow Police	10.71	4.39	15.10	15.10
Wittman Fire Fighters	8.57	0.70	9.27	9.27
Yavapai County Attorney Investigators	(7.65)	0.00	0.00	5.00
Yavapai County Sheriffs	11.03	9.57	20.60	20.60
Yavapai Prescott Tribal Police	12.97	0.08	13.05	13.05
Youngtown Police	9.80	2.23	12.03	12.03
Yuma County Sheriffs	12.07	8.01	20.08	20.08

Section Two: Actuarial Calculations – Funding

<u>Employer</u>	<u>Normal Cost</u>	<u>Amort. of Unf. Act. Accr. UAAL*</u>	<u>Total Computed Emp. Contrib.</u>	<u>Total Required Emp. Contrib.</u>
Yuma Fire Fighters	12.92%	13.13%	26.05%	26.05%
Yuma Police	12.28	7.32	19.60	19.60
<b>Totals</b>	<b>11.80%</b>	<b>8.97%</b>	<b>20.77%</b>	<b>20.78%</b>

\* *Twenty-eight years from July 1, 2008 (20 years for credit).*

**Total Actuarial Accrued Liability – Valuation Assets**

<b>Employer</b>	(1)	(2)	(3)	(4)	(5)	<b>(4)/(5)</b>
	<b>Actuarial Value of Assets</b>	<b>Actuarial Acc. Liability</b>	<b>Percent Funded (1)/(2)</b>	<b>Unfunded AAL (2)(1)</b>	<b>Annual Covered Payroll</b>	
Ak Chin Indian Community Fire	\$ 2,027,467	\$2,372,275	85.5%	\$344,808	\$1,052,827	32.8%
Ak Chin Indian Community Police	942,188	904,685	104.1%	(37,503)	608,502	0.0%
Apache County Sheriffs	3,341,532	7,732,433	43.2%	4,390,901	1,338,474	328.1%
Apache Junction Fire District	12,097,905	16,080,288	75.2%	3,982,383	5,155,821	77.2%
Apache Junction Police	10,159,534	17,524,300	58.0%	7,364,766	3,577,632	205.9%
Arizona Attorney General Invest.	7,345,443	12,906,873	56.9%	5,561,430	733,933	757.8%
Arizona Depart. of Liquor Licenses	3,841,788	5,595,183	68.7%	1,753,395	865,776	202.5%
Arizona State Capitol Police	2,865,240	3,462,366	82.8%	597,126	1,161,412	51.4%
Arizona State Parks	8,245,236	10,514,177	78.4%	2,268,941	1,858,998	122.1%
ASU Police	13,474,654	17,728,677	76.0%	4,254,023	2,966,781	143.4%
Avondale Fire Fighters	7,660,574	10,163,152	75.4%	2,502,578	4,218,295	59.3%
Avondale Police	10,060,791	14,110,999	71.3%	4,050,208	6,673,898	60.7%
Avra Valley Fire District	1,739,910	903,521	192.6%	(836,389)	550,342	0.0%
Benson Fire Fighters	225,815	132,636	170.3%	(93,179)	61,822	0.0%
Benson Police	1,451,860	2,367,467	61.3%	915,607	776,761	117.9%
Bisbee Fire Fighters	2,908,099	7,352,504	39.6%	4,444,405	828,688	536.3%
Bisbee Police	2,357,263	6,360,505	37.1%	4,003,242	931,586	429.7%
Black Canyon Fire District	212,729	338,424	62.9%	125,695	388,395	32.4%
Buckeye Fire	4,399,079	4,348,889	101.2%	(50,190)	5,013,326	0.0%
Buckeye Police	7,058,109	8,163,136	86.5%	1,105,027	4,853,432	22.8%
Buckeye Valley Fire District	1,858,974	2,091,837	88.9%	232,863	2,924,432	8.0%
Buckskin Fire Fighters	1,559,839	3,458,979	45.1%	1,899,140	583,145	325.7%
Bullhead City Fire Fighters	16,585,387	21,447,736	77.3%	4,862,349	5,298,898	91.8%
Bullhead City Police	16,404,430	23,815,244	68.9%	7,410,814	5,351,933	138.5%
Camp Verde Fire District	1,867,639	2,520,389	74.1%	652,750	1,371,222	47.6%
Camp Verde Marshals	1,968,768	2,668,810	73.8%	700,042	932,555	75.1%
Casa Grande Fire Fighters	8,171,079	13,456,912	60.7%	5,285,833	3,980,691	132.8%
Casa Grande Police	13,843,134	24,538,371	56.4%	10,695,237	4,958,997	215.7%
Cave Creek Marshals	66,277	126,329	52.5%	60,052	134,692	44.6%
Central Arizona College Police	328,636	344,697	95.3%	16,061	265,870	6.0%
Central Yavapai Fire Fighters	16,413,811	24,494,316	67.0%	8,080,505	5,405,064	149.5%
Chandler Fire Fighters	45,433,395	60,535,366	75.1%	15,101,971	14,906,063	101.3%
Chandler Police	66,242,859	98,373,612	67.3%	32,130,753	25,093,684	128.0%
Chino Valley Fire District	3,929,373	5,546,510	70.8%	1,617,137	2,162,046	74.8%
Chino Valley Police	3,182,973	4,040,485	78.8%	857,512	1,291,162	66.4%
Clarkdale Police	1,500,446	1,837,566	81.7%	337,120	464,836	72.5%
Clarksdale Fire Fighters	107,906	110,790	97.4%	2,884	195,637	1.5%
Clifton Fire Fighters	331,114	305,688	108.3%	(25,426)	0	0.0%
Clifton Police	437,102	207,344	210.8%	(229,758)	65,562	0.0%
Cochise County Sheriffs	13,278,444	24,773,814	53.6%	11,495,370	3,983,864	288.5%

Section Two: Actuarial Calculations – Funding

<b>Employer</b>	<b>(1) Actuarial Value of Assets</b>	<b>(2) Actuarial Acc. Liability</b>	<b>(3) Percent Funded (1)/(2)</b>	<b>(4) Unfunded AAL (2)(1)</b>	<b>(5) Annual Covered Payroll</b>	<b>(4)/(5)</b>
Coconino County Sheriffs	\$12,743,038	\$25,143,572	50.7%	\$12,400,534	\$3,557,390	348.6%
Coolidge Fire Fighters	37,115	28,157	131.8%	(8,958)	189,428	0.0%
Coolidge Police	3,884,227	5,768,579	67.3%	1,884,352	1,734,347	108.6%
Corona De Tucson Fire District	479,967	950,640	50.5%	470,673	522,851	90.0%
Cottonwood Fire Fighters	1,786,146	2,330,188	76.7%	544,042	883,391	61.6%
Cottonwood Police	3,483,360	6,822,459	51.1%	3,339,099	1,504,994	221.9%
D.E.M.A.	6,110,882	8,911,511	68.6%	2,800,629	2,169,066	129.1%
Daisy Mountain Fire District	7,027,542	8,419,590	83.5%	1,392,048	6,125,469	22.7%
Department of Public Safety	454,885,376	702,908,081	64.7%	248,022,705	80,843,196	306.8%
Desert Hills Fire Fighters	136,630	119,895	114.0%	(16,735)	723,854	0.0%
Diamond Star Fire	565,742	739,074	76.5%	173,332	425,904	40.7%
Doney Park Rural Fire District	3,403,281	3,892,392	87.4%	489,111	2,285,754	21.4%
Douglas Fire Fighters	5,042,492	9,668,171	52.2%	4,625,679	1,168,259	395.9%
Douglas Police	6,930,015	11,628,719	59.6%	4,698,704	1,542,544	304.6%
Drexel Heights Fire Fighters	9,618,209	12,602,858	76.3%	2,984,649	4,824,289	61.9%
Eagar Police	1,396,650	1,742,400	80.2%	345,750	463,689	74.6%
El Mirage Fire Fighters	1,750,931	2,008,078	87.2%	257,147	1,209,703	21.3%
El Mirage Police	3,472,380	5,395,103	64.4%	1,922,723	2,667,973	72.1%
Eloy Fire District	738,060	1,661,973	44.4%	923,913	1,146,524	80.6%
Eloy Police	4,253,067	4,962,588	85.7%	709,521	1,648,344	43.0%
Flagstaff Fire Fighters	31,635,600	47,020,905	67.3%	15,385,305	5,176,064	297.2%
Flagstaff Police	21,772,844	38,626,378	56.4%	16,853,534	7,437,160	226.6%
Florence Fire Fighters	863,388	758,722	113.8%	(104,666)	1,143,644	0.0%
Florence Police	2,535,613	2,395,450	105.9%	(140,163)	1,635,384	0.0%
Fort McDowell Tribal Fire Depart.	963,284	546,768	176.2%	(416,516)	551,894	0.0%
Fort McDowell Tribal Police Depart.	2,093,120	1,941,778	107.8%	(151,342)	1,070,535	0.0%
Fort Mojave Mesa Fire District	5,082,972	8,184,779	62.1%	3,101,807	2,544,197	121.9%
Fort Mojave Tribal Police	711,611	731,933	97.2%	20,322	1,182,133	1.7%
Fredonia Marshals	346,254	245,486	141.0%	(100,768)	166,993	0.0%
Fry Fire Fighters	6,594,551	10,993,318	60.0%	4,398,767	2,168,716	202.8%
Game & Fish Department	37,982,131	72,773,092	52.2%	34,790,961	7,012,792	496.1%
Gila County Sheriffs	6,133,620	10,048,150	61.0%	3,914,530	2,138,950	183.0%
Gila River Fire Fighters	4,338,061	6,007,034	72.2%	1,668,973	4,342,082	38.4%
Gila River Police	6,101,683	6,694,927	91.1%	593,244	5,600,978	10.6%
Gilbert Fire Fighters	16,375,873	20,208,030	81.0%	3,832,157	12,853,768	29.8%
Gilbert Police	26,760,106	39,559,233	67.6%	12,799,127	16,984,351	75.4%
Glendale Fire Fighters	63,615,100	88,109,902	72.2%	24,494,802	18,592,150	131.7%
Glendale Police	79,539,627	134,684,461	59.1%	55,144,834	27,904,440	197.6%
Globe Fire Fighters	3,185,126	5,142,838	61.9%	1,957,712	887,571	220.6%
Globe Police	3,177,459	5,671,469	56.0%	2,494,010	1,012,299	246.4%

Section Two: Actuarial Calculations – Funding

<b>Employer</b>	<b>(1) Actuarial Value of Assets</b>	<b>(2) Actuarial Acc. Liability</b>	<b>(3) Percent Funded (1)/(2)</b>	<b>(4) Unfunded AAL (2)(1)</b>	<b>(5) Annual Covered Payroll</b>	<b>(4)/(5)</b>
Golden Shores Fire District	\$428,457	\$380,117	112.7%	\$(48,340)	\$353,971	0.0%
Golden Valley Fire District	1,983,282	2,553,908	77.7%	570,626	1,046,539	54.5%
Golder Ranch Fire District	10,152,081	13,241,945	76.7%	3,089,864	6,218,507	49.7%
Goodyear Fire Fighters	8,177,938	9,802,391	83.4%	1,624,453	6,888,845	23.6%
Goodyear Police	9,709,250	13,873,536	70.0%	4,164,286	6,192,247	67.2%
Graham County Attorney Invest.	46,692	0	0.0%	(46,692)	0	0.0%
Graham County Sheriffs	1,594,202	2,937,775	54.3%	1,343,573	1,039,847	129.2%
Green Valley Fire District	6,743,451	9,270,217	72.7%	2,526,766	3,789,472	66.7%
Greenlee County Attorney Invest.	36,989	0	0.0%	(36,989)	0	0.0%
Greenlee County Sheriffs	2,362,092	2,692,793	87.7%	330,701	677,521	48.8%
Groom Creek Fire District	134,141	191,237	70.1%	57,096	295,528	19.3%
Guadalupe Fire Fighters	509,696	1,117,991	45.6%	608,295	454,750	133.8%
Harquahala Fire District	181,659	177,479	102.4%	(4,180)	411,444	0.0%
Hayden Police	485,520	167,456	289.9%	(318,064)	277,870	0.0%
Heber-Overgaard Fire	579,072	637,593	90.8%	58,521	708,204	8.3%
Highlands Fire District	2,059,259	3,196,638	64.4%	1,137,379	1,337,804	85.0%
Holbrook Police	2,062,707	4,248,929	48.5%	2,186,222	733,647	298.0%
Hualapai Indian Tribe Police Dept.	319,124	266,449	119.8%	(52,675)	637,491	0.0%
Hualapai Valley Fire Fighters	1,802,752	3,001,533	60.1%	1,198,781	2,105,159	56.9%
Jerome Police Department	124,372	125,786	98.9%	1,414	113,451	1.2%
Kearny Police	1,096,509	1,037,273	105.7%	(59,236)	181,228	0.0%
Kingman Fire Fighters	10,509,400	14,681,046	71.6%	4,171,646	3,114,492	133.9%
Kingman Police	9,912,968	14,633,993	67.7%	4,721,025	3,056,903	154.4%
La Paz County Attorney Invest.	203,725	167,827	121.4%	(35,898)	48,373	0.0%
La Paz County Sheriffs	5,788,423	9,875,688	58.6%	4,087,265	1,812,441	225.5%
Lake Havasu City Fire Fighters	20,669,656	30,971,262	66.7%	10,301,606	5,350,345	192.5%
Lake Havasu City Police	16,686,011	26,501,606	63.0%	9,815,595	6,349,025	154.6%
Lakeside Fire Fighters	1,129,462	1,218,791	92.7%	89,329	1,051,816	8.5%
Linden Fire District	371,360	293,396	126.6%	(77,964)	345,636	0.0%
Mammoth Police	271,034	305,705	88.7%	34,671	127,410	27.2%
Marana Police	9,429,944	12,239,677	77.0%	2,809,733	4,822,869	58.3%
Maricopa County Attorney Invest.	4,457,601	7,179,961	62.1%	2,722,360	885,955	307.3%
Maricopa County Park Rangers	742,336	1,637,071	45.3%	894,735	0	0.0%
Maricopa County Sheriffs	176,283,622	271,354,229	65.0%	95,070,607	47,953,146	198.3%
Maricopa Fire District	2,842,540	2,775,384	102.4%	(67,156)	3,926,466	0.0%
Maricopa Police	1,972,504	1,952,414	101.0%	(20,090)	3,203,012	0.0%
Mayer Fire District	1,388,266	1,089,769	127.4%	(298,497)	883,196	0.0%
Mesa Fire Fighters	145,931,808	200,229,549	72.9%	54,297,741	28,607,906	189.8%
Mesa Police	233,493,642	334,132,551	69.9%	100,638,909	59,211,259	170.0%
Miami Fire Fighters	308,885	0	0.0%	(308,885)	0	0.0%



Section Two: Actuarial Calculations – Funding

<b>Employer</b>	<b>(1) Actuarial Value of Assets</b>	<b>(2) Actuarial Acc. Liability</b>	<b>(3) Percent Funded (1)/(2)</b>	<b>(4) Unfunded AAL (2)(1)</b>	<b>(5) Annual Covered Payroll</b>	<b>(4)/(5)</b>
Miami Police	\$618,273	\$936,277	66.0%	\$318,004	\$278,369	114.2%
Mohave County Sheriffs	16,132,055	23,545,103	68.5%	7,413,048	5,215,621	142.1%
Mohave Valley Fire Fighters	3,193,419	2,761,844	115.6%	(431,575)	1,418,432	0.0%
Montezuma/Rimrock	725,788	1,114,548	65.1%	388,760	535,812	72.6%
Mt. Lemmonn Fire District	241,976	317,072	76.3%	75,096	389,215	19.3%
NAU Police	3,627,374	5,867,016	61.8%	2,239,642	700,527	319.7%
Navajo County Attorney Invest.	209,697	287,110	73.0%	77,413	0	0.0%
Navajo County Sheriffs	5,911,599	10,330,422	57.2%	4,418,823	2,033,947	217.3%
Nogales Fire Fighters	6,724,332	11,486,109	58.5%	4,761,777	2,284,185	208.5%
Nogales Police	8,734,927	12,528,381	69.7%	3,793,454	2,931,450	129.4%
Northwest Fire District	21,972,906	28,125,756	78.1%	6,152,850	11,844,679	51.9%
Oracle Fire Fighters	16,891	103,045	16.4%	86,154	173,983	49.5%
Oro Valley Police	13,644,758	18,731,092	72.8%	5,086,334	5,856,015	86.9%
Page Fire Fighters	636,020	966,909	65.8%	330,889	859,242	38.5%
Page Police	3,020,196	3,776,414	80.0%	756,218	1,226,424	61.7%
Paradise Valley Police	9,394,188	18,048,637	52.0%	8,654,449	2,317,615	373.4%
Parker Police	1,527,840	1,631,039	93.7%	103,199	535,743	19.3%
Pascua-Yaqui Tribal Fire	1,007,522	2,228,265	45.2%	1,220,743	1,088,501	112.1%
Pascua-Yaqui Tribal Police	1,458,338	2,570,890	56.7%	1,112,552	1,305,177	85.2%
Patagonia Marshals	355,906	312,109	114.0%	(43,797)	0	0.0%
Payson Fire Fighters	4,014,540	5,683,758	70.6%	1,669,218	1,626,100	102.7%
Payson Police	5,457,588	10,675,328	51.1%	5,217,740	1,768,119	295.1%
Peoria Fire Fighters	25,584,820	31,993,720	80.0%	6,408,900	9,456,091	67.8%
Peoria Police	31,757,979	45,227,523	70.2%	13,469,544	13,106,869	102.8%
Phoenix Fire Fighters	636,119,598	927,330,228	68.6%	291,210,630	117,583,096	247.7%
Phoenix Police	1,089,017,505	1,648,402,297	66.1%	559,384,792	238,513,279	234.5%
Picture Rocks Fire Fighters	2,580,334	2,388,551	108.0%	(191,783)	893,310	0.0%
Pima Community College Police	4,428,970	5,955,498	74.4%	1,526,528	1,116,006	136.8%
Pima County Attorney Investigators	1,871,440	2,797,303	66.9%	925,863	356,286	259.9%
Pima County Sheriffs	133,286,060	206,171,937	64.6%	72,885,877	32,494,817	224.3%
Pima Police	236,513	88,045	268.6%	(148,468)	124,269	0.0%
Pinal County Sheriffs	28,671,541	43,593,896	65.8%	14,922,355	13,560,249	110.0%
Pine-Strawberry Fire Fighters	2,281,170	3,539,481	64.4%	1,258,311	975,879	128.9%
Pinetop Fire Fighters	2,151,592	3,794,356	56.7%	1,642,764	1,684,629	97.5%
Pinetop Lakeside Police	2,116,088	3,343,673	63.3%	1,227,585	662,392	185.3%
Pinewood Fire District	1,079,070	1,975,310	54.6%	896,240	826,478	108.4%
Prescott Fire Fighters	17,937,835	31,784,013	56.4%	13,846,178	4,320,143	320.5%
Prescott Police	12,812,487	27,951,588	45.8%	15,139,101	4,296,379	352.4%
Prescott Valley Police	7,316,481	9,697,998	75.4%	2,381,517	3,966,754	60.0%
Quartzsite Fire District	254,645	462,230	55.1%	207,585	371,561	55.9%

Section Two: Actuarial Calculations – Funding

<b>Employer</b>	<b>(1) Actuarial Value of Assets</b>	<b>(2) Actuarial Acc. Liability</b>	<b>(3) Percent Funded (1)/(2)</b>	<b>(4) Unfunded AAL (2)(1)</b>	<b>(5) Annual Covered Payroll</b>	<b>(4)/(5)</b>
Quartzsite Marshals	\$1,406,509	\$1,164,678	120.8%	\$(241,831)	\$777,912	0.0%
Queen Creek Fire Fighters	147,307	127,090	115.9%	(20,217)	1,628,518	0.0%
Rincon Valley Fire District	1,095,782	1,611,793	68.0%	516,011	1,459,211	35.4%
Rio Rico Fire District	995,399	1,162,033	85.7%	166,634	1,391,199	12.0%
Rio Verde Fire District	1,201,543	1,559,406	77.1%	357,863	1,000,829	35.8%
Safford Police	4,001,216	7,644,929	52.3%	3,643,713	1,385,504	263.0%
Sahuarita Police	2,567,341	2,278,517	112.7%	(288,824)	2,142,910	0.0%
Salt River Pima-Maricopa Fire	8,655,804	12,975,191	66.7%	4,319,387	5,221,020	82.7%
Salt River Pima-Maricopa Police	8,400,457	14,072,347	59.7%	5,671,890	8,753,564	64.8%
San Carlos Tribal Police	255,190	921,037	27.7%	665,847	637,989	104.4%
San Luis Fire Fighters	1,448,527	1,558,485	92.9%	109,958	997,455	11.0%
San Luis Police	3,077,722	4,110,785	74.9%	1,033,063	1,767,348	58.5%
Santa Cruz County Sheriffs	4,414,142	8,505,569	51.9%	4,091,427	2,105,003	194.4%
Scottsdale Fire	15,508,752	12,412,546	124.9%	(3,096,206)	18,162,357	0.0%
Scottsdale Police	111,692,264	159,145,532	70.2%	47,453,268	33,143,487	143.2%
Sedona Fire District	9,655,088	14,161,698	68.2%	4,506,610	5,715,484	78.8%
Sedona Police	3,904,613	4,846,941	80.6%	942,328	1,807,796	52.1%
Show Low Fire Fighters	1,845,261	2,083,051	88.6%	237,790	1,718,260	13.8%
Show Low Police	3,868,452	5,408,831	71.5%	1,540,379	1,674,273	92.0%
Sierra Vista Fire Fighters	11,212,216	13,287,237	84.4%	2,075,021	2,228,096	93.1%
Sierra Vista Police	12,389,111	20,189,575	61.4%	7,800,464	3,853,726	202.4%
Snowflake Police	1,461,209	2,502,334	58.4%	1,041,125	726,624	143.3%
Somerton Fire Fighters	1,285,369	1,645,299	78.1%	359,930	849,603	42.4%
Somerton Police	1,657,343	2,536,827	65.3%	879,484	1,037,512	84.8%
South Tucson Fire Fighters	1,630,547	2,526,199	64.5%	895,652	611,721	146.4%
South Tucson Police	1,087,819	5,373,743	20.2%	4,285,924	958,261	447.3%
Springerville Police	1,134,429	1,257,243	90.2%	122,814	380,779	32.3%
St. John's Police	700,286	706,044	99.2%	5,758	373,933	1.5%
Sun City Fire Fighters	15,002,629	26,851,977	55.9%	11,849,348	4,633,484	255.7%
Sun City West Fire Fighters	8,728,876	13,896,472	62.8%	5,167,596	3,999,154	129.2%
Sun Lakes Fire District	6,520,383	8,015,435	81.3%	1,495,052	2,943,578	50.8%
Superior Fire	151,426	190,792	79.4%	39,366	265,276	14.8%
Superior Police	799,256	866,525	92.2%	67,269	340,615	19.7%
Surprise Fire Fighters	10,809,814	12,781,652	84.6%	1,971,838	7,751,228	25.4%
Surprise Police	11,853,291	16,680,241	71.1%	4,826,950	8,706,843	55.4%
Tempe Fire Fighters	66,550,238	96,229,585	69.2%	29,679,347	12,573,469	236.0%
Tempe Police	87,441,985	152,917,302	57.2%	65,475,317	28,052,053	233.4%
Thatcher Police	2,136,618	3,380,823	63.2%	1,244,205	486,836	255.6%
Three Points Fire Fighters	812,840	866,254	93.8%	53,414	791,132	6.8%
Tohono O'Odham Nation Fire	1,561,401	2,208,731	70.7%	647,330	1,918,568	33.7%

Section Two: Actuarial Calculations – Funding

<b>Employer</b>	<b>(1) Actuarial Value of Assets</b>	<b>(2) Actuarial Acc. Liability</b>	<b>(3) Percent Funded (1)/(2)</b>	<b>(4) Unfunded AAL (2)(1)</b>	<b>(5) Annual Covered Payroll</b>	<b>(4)/(5)</b>
Tohono O'Odham Nation Police	\$7,913,636	\$8,598,366	92.0%	\$684,730	\$3,653,379	18.7%
Tolleson Fire Fighters	3,268,016	4,243,943	77.0%	975,927	2,052,603	47.5%
Tolleson Police	3,472,838	5,396,292	64.4%	1,923,454	1,707,450	112.7%
Tombstone Marshals	476,999	312,526	152.6%	(164,473)	330,559	0.0%
Tonopah Fire District	192,663	175,766	109.6%	(16,897)	245,275	0.0%
Tri-City Fire District	757,483	713,483	106.2%	(44,000)	731,626	0.0%
Tubac Fire Fighters	1,751,137	2,249,447	77.8%	498,310	1,284,643	38.8%
Tucson Airport Authority Fire	6,087,926	9,700,720	62.8%	3,612,794	911,739	396.3%
Tucson Airport Authority Police	4,438,396	9,228,013	48.1%	4,789,617	1,537,319	311.6%
Tucson Fire Fighters	212,973,699	335,435,787	63.5%	122,462,088	39,841,930	307.4%
Tucson Police	335,866,881	523,527,086	64.2%	187,660,205	66,950,074	280.3%
U of A Police	8,876,895	14,537,556	61.1%	5,660,661	3,109,150	182.1%
Verde Valley Fire District	3,333,203	3,524,411	94.6%	191,208	1,599,395	12.0%
Wellton Marshals	200,012	384,208	52.1%	184,196	371,855	49.5%
Wickenburg Fire	185,595	307,505	60.4%	121,910	411,023	29.7%
Wickenburg Police	1,618,227	2,969,186	54.5%	1,350,959	800,188	168.8%
Willcox Police	1,568,725	2,554,418	61.4%	985,693	545,678	180.6%
Williams Police	1,141,587	1,224,596	93.2%	83,009	545,028	15.2%
Williamson Valley Fire District	209,514	195,537	107.1%	(13,977)	167,410	0.0%
Winslow Fire Fighters	4,825,354	1,914,377	252.1%	(2,910,977)	332,263	0.0%
Winslow Police	3,920,883	5,212,901	75.2%	1,292,018	1,424,154	90.7%
Wittman Fire Fighters	51,843	83,028	62.4%	31,185	215,500	14.5%
Yavapai County Attorney Invest.	286,825	635,174	45.2%	348,349	0	0.0%
Yavapai County Sheriffs	16,316,672	30,461,412	53.6%	14,144,740	7,241,743	195.3%
Yavapai Prescott Tribal Police	171,471	177,025	96.9%	5,554	327,646	1.7%
Youngtown Police	1,082,303	1,313,376	82.4%	231,073	500,980	46.1%
Yuma County Sheriffs	12,222,283	18,659,167	65.5%	6,436,884	3,878,518	166.0%
Yuma Fire Fighters	27,991,354	44,521,592	62.9%	16,530,238	6,081,510	271.8%
Yuma Police	40,781,540	55,369,298	73.7%	14,587,758	9,619,242	151.7%
<b>Totals</b>	<b>\$5,095,645,042</b>	<b>\$7,662,778,641</b>	<b>66.5%</b>	<b>\$2,567,133,599</b>	<b>\$1,383,332,020</b>	<b>185.6%</b>

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***Section Three:***

***Retirement System  
Benefit Provisions***



**Summary of Plan Provisions Valued and/or Considered**

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

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

**Normal Retirement:** First day of month following completion of 20 years of service or following 62<sup>nd</sup> birthday and completion of 15 years of service.

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

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

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

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

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

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

<u>Credited Service</u>	<u>Percent of Normal Pension</u>
Less than 7 years	25%
7 - 13 years	50%
14 - 19 years	75%

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

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

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

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

**Survivor pension:** Death while a member employed by an employer or death after retirement. No credited service requirement.

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

**Child's pension:** 1/9 of pension deceased active member would have been paid for accidental disability retirement (equal shares of 3/9 if more than three children); or, in the case of a retired member's pension (pension shares of 3/9 if more than three children). Payable to a dependent child under age 18 (age 23 if a full-time student).



**Guardian’s pension:** Same amount as spouse’s pension. Payable only during periods no spouse is being paid and there is at least one child under age 18 (age 23 if a full-time student).  
 Guaranteed return of accumulated contributions – if aggregate amount of pension payments to member and beneficiaries are less than member’s accumulated contributions, difference is paid to designated contingent refund beneficiary, if living, otherwise to nearest kin as selected by board.

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

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

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

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

**Deferred Retirement Option Plan (DROP):** Members with at least 20 years of credited service may elect to enter the DROP for up to 60 months. During the DROP period, the frozen accrued pension is credited to the member’s DROP account. The account is paid at time of actual retirement. A Reverse DROP was added by the Legislature in 2005.

**Member Contributions:** Members contribute 7.65% of compensation.

**Employer Contributions:** Level percent of payroll normal cost plus 30 year (28 years remaining as of June 30, 2008) amortization of unfunded actuarial accrued liability (20 year amortization for credit).





***Section Four:***

***Actuarial Assumptions  
And Methods***



**Summary of Valuation Assumptions**

***Economic Assumptions***

***Interest Rate:*** 8.50% (net of expenses)

***Salary Increases:*** 5.50% for inflation, plus age-related merit and longevity.

**Sample Annual Rates of Salary Increase**

<b>Age</b>	<b>Across-the-Board</b>	<b>Merit and Longevity</b>	<b>Total</b>
20	5.5%	3.0%	8.50%
25	5.5	3.0	8.50
30	5.5	2.6	8.10
35	5.5	1.1	6.60
40	5.5	0.2	5.70
45	5.5	0.2	5.70
50	5.5	0.2	5.70
55	5.5	0.1	5.60
60	5.5	-	5.50
65	5.5	-	5.50

**Demographic Assumptions**

**Demographic Assumptions**

**Retiree Non-Disability Mortality Rates:** RP 2000 Healthy Annuitant Mortality Table, male table with no adjustment, female table with 1 year set forward (first used for June 30, 2007 valuation).

**Active Member Non-Disability Mortality Rates:** RP 2000 Employees Mortality Table, male table with 1 year set-back, female table with 2 year set-forward (first used for June 30, 2007 valuation).

Sample Ages	Single Life Retirement Values							
	Retirees		Active Members		Retirees		Active Members	
	Present Value of \$100 Monthly For Life		Present Value of \$100 Monthly For Life		Future Life Expectancy (Years)		Future Life Expectancy (Years)	
	Men	Women	Men	Women	Men	Women	Men	Women
20	14,505	14,563	14,557	14,576	59.04	61.54	63.00	64.20
25	14,405	14,477	14,483	14,497	54.15	56.60	58.11	59.26
30	14,257	14,352	14,373	14,384	49.25	51.66	53.22	54.34
35	14,049	14,176	14,218	14,229	44.38	46.76	48.34	49.45
40	13,763	13,930	14,014	14,013	39.57	41.89	43.54	44.60
45	13,358	13,587	13,731	13,720	34.79	37.08	38.77	39.82
50	12,787	13,119	13,343	13,321	30.07	32.35	34.07	35.11
55	12,221	12,518	12,807	12,777	25.86	27.79	29.43	30.49
60	11,413	11,751	12,074	12,048	21.64	23.42	24.88	26.00
65	10,389	10,818	11,098	11,061	17.62	19.33	20.49	21.64
70	9,172	9,699	9,766	9,767	13.92	15.54	16.23	17.54
75	7,786	8,425	8,311	8,692	10.61	12.13	12.65	14.60
80	6,325	7,035	7,066	7,748	7.79	9.16	10.08	12.46
85	4,910	5,616	6,162	7,438	5.54	6.69	8.52	11.69
90	3,711	4,411	6,084	7,403	3.90	4.90	8.30	11.30

**Disability Retiree Mortality Rates:** Non-disability rates set-forward 5 years.

Rates first used for the June 30, 2007 valuation.

**Termination of Employment:** Service-related rates.

**Disability Rates:** Age-related rates.

The sample rates are as follows:

		Percent Terminating Within Next Year				Disability			
		Police Officers		Firefighters		Police Officers		Firefighters	
Sample Ages	Years of Service	Large Groups	Small Groups	Large Groups	Small Groups	Large Groups	Small Groups	Large Groups	Small Groups
ALL	0	12.00%	15.00%	7.00%	7.50%				
	1	4.50	10.00	1.50	6.00				
	2	3.50	9.00	1.00	5.00				
	3	3.00	7.00	1.00	5.00				
	4	2.50	6.00	1.00	5.00				
	5-10	2.40	5.30	1.00	3.00				
	10 Plus	0.50	1.80	0.10	1.00				
25						0.10%	0.15%	0.03%	0.04%
30						0.21	0.29	0.05	0.04
35						0.27	0.35	0.11	0.09
40						0.45	0.57	0.20	0.20
45						0.64	0.79	0.20	0.55
50						0.98	1.30	0.50	0.75
55						1.27	2.00	1.16	1.30
60						1.44	2.00	1.60	1.80

*Rates first used for June 30, 2007 valuation.*

Married assumption: 90%.

Health subsidy utilization assumption: 80%.

**Retirement Rates:** Service-related rates based on the following schedule:

**Percent of Active Members Retiring/DROPing Within Year  
Following Attainment of Indicated Service**

<b>Service</b>	<b>Police Large</b>	<b>Police Small</b>	<b>Fire Large</b>	<b>Fire Small</b>
20	30%	45%	15%	20%
21	20	35	10	20
22	20	25	10	10
23	10	15	10	10
24	10	10	10	10
25	45	40	30	20
26	45	40	45	30
27	45	30	30	30
28	45	30	45	30
29	45	30	45	30
30	50	30	45	45
31	50	30	50	45
32	80	65	50	45
33	80	65	50	45
34	100	100	100	100

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

These rates were first used for the June 30, 2007 valuations.

The list on the following 2 pages shows each unit's group for purpose of the termination and retirement assumptions.

## Large Groups

ASU Campus Police  
 Dept. of Public Safety  
 Douglas Fire Fighters  
 Flagstaff Fire Fighters  
 Game & Fish Department  
 Glendale Fire Fighters  
 Maricopa Sheriffs

Mesa Fire Fighters  
 Mesa Police  
 Phoenix Fire Fighters  
 Phoenix Police  
 Pima Sheriffs  
 Pinal County Sheriffs  
 Scottsdale Police

Tempe Fire Fighters  
 Tucson Fire Fighters  
 Tucson Police  
 Winslow Fire Fighters  
 Yuma Fire Fighters  
 Yuma Police  
 Yuma Sheriffs

## Small Groups

Ak Chin Indian Community Fire  
 Ak Chin Indian Community Police  
 Apache County Sheriffs  
 Apache Junction Fire District  
 Apache Junction Police  
 Arizona Attorney General Investigators  
 Arizona Department of Liquor Licenses  
 Arizona State Capitol Police  
 Arizona State Parks  
 Avondale Fire Fighters  
 Avondale Police  
 Avra Valley Fire District  
 Benson Fire Fighters  
 Benson Police  
 Bisbee Fire Fighters  
 Bisbee Police  
 Black Canyon Fire District  
 Buckeye Fire Fighters  
 Buckeye Police  
 Buckeye Valley Fire District  
 Buckskin Fire Fighters  
 Bullhead City Fire Fighters  
 Bullhead City Police  
 Camp Verde Fire District  
 Camp Verde Marshals  
 Casa Grande Fire Fighters  
 Casa Grande Police  
 Cave Creek Marshals  
 Central Arizona College Police  
 Central Yavapai Fire Fighters  
 Chandler Fire Fighters  
 Chandler Police  
 Chino Valley Fire District  
 Chino Valley Police  
 Clarksdale Fire Fighters

Clarksdale Police  
 Clifton Fire Fighters  
 Clifton Police  
 Cochise County Sheriffs  
 Coconino County Sheriffs  
 Coolidge Fire Fighters  
 Coolidge Police  
 Corona De Tucson Fire District  
 Cottonwood Fire Fighters  
 Cottonwood Police  
 D.E.M.A.  
 Daisy Mountain Fire District  
 Diamond Star Fire Fighters  
 Douglas Police  
 Drexel Heights Fire Fighters  
 Eagar Police  
 El Mirage Fire Fighters  
 El Mirage Police  
 Eloy Fire District  
 Eloy Police  
 Flagstaff Police  
 Florence Fire Fighters  
 Florence Police  
 Fort McDowell Tribal Fire Depart  
 Fort McDowell Tribal Police Depart  
 Fort Mohave Mesa Fire District  
 Fort Mojave Tribal Police  
 Fredonia Marshals  
 Fry Fire Fighters  
 Gila County Sheriffs  
 Gila River Fire Fighters  
 Gila River Police  
 Gilbert Fire Fighters  
 Gilbert Police  
 Glendale Police

Globe Fire Fighters  
 Globe Police  
 Golden Shores Fire District  
 Golden Valley Fire District  
 Golder Ranch Fire District  
 Goodyear Fire Fighters  
 Goodyear Police  
 Graham County Attorney Investigators  
 Graham County Sheriffs  
 Green Valley Fire District  
 Greenlee County Attorney Investigators  
 Greenlee County Sheriffs  
 Groom Creek Fire District  
 Guadalupe Fire Fighters  
 Harquahala Fire District  
 Hayden Police  
 Heber-Overgaard Fire Fighters  
 Highlands Fire District  
 Holbrook Police  
 Hualapai Indian Tribe Police Dept.  
 Hualapai Valley Fire Fighters  
 Jerome Police Department  
 Kearny Police  
 Kingman Fire Fighters  
 Kingman Police  
 La Paz County Attorney Investigators  
 La Paz County Sheriffs  
 Lake Havasu City Fire Fighters  
 Lake Havasu City Police  
 Lakeside Fire Fighters  
 Linden Fire District  
 Mammoth Police  
 Marana Police  
 Maricopa County Attorney Investigators  
 Maricopa County Park Rangers

**Small Groups (continued)**

Maricopa Fire District	Pinetop-Lakeside Police	Sun City Fire Fighters
Maricopa Police	Pinewood Fire District	Sun City West Fire District
Mayer Fire District	Prescott Fire Fighters	Sun Lakes Fire District
Miami Fire Fighters	Prescott Police	Superior Fire
Miami Police	Prescott Valley Police	Superior Police
Mohave County Sheriffs	Quartzsite Fire District	Surprise Fire Fighters
Mohave Valley Fire Fighters	Queen Creek Fire Fighters	Surprise Police
Montezuma/Rimrock Fire Fighters	Quartzsite Police Department	Tempe Police
Mt. Lemmon Fire District	Rincon Valley Fire District	Thatcher Police
NAU Police	Rio Rico Fire District	Three Points Fire District
Navajo County Attorney Investigators	Rio Verde Fire District	Tohono O'Odham Nation Fire Fighters
Navajo County Sheriffs	Safford Police	Tohono O'Odham Nation Police
Nogales Fire Fighters	Sahuarita Police	Tolleson Fire Fighters
Nogales Police	Salt River Pima-Maricopa Fire	Tolleson Police
Northwest Fire District	Salt River Pima-Maricopa Police	Tombstone Marshals
Oracle Fire Fighters	San Carlos Tribal Police	Tonopah Fire District
Oro Valley Police	San Luis Fire Fighters	Tri-City Fire District
Page Fire Fighters	San Luis Police	Tubac Fire District
Page Police	Santa Cruz County Sheriffs	Tucson Airport Authority Fire Fighters
Paradise Valley Police	Scottsdale Fire	Tucson Airport Authority Police
Parker Police	Sedona Fire District	U of A Police
Pascua-Yaqui Tribal Fire	Sedona Police	Verde Valley Fire District
Pascua-Yaqui Tribal Police	Show Low Fire Fighters	Wellton Police
Patagonia Marshals	Show Low Police	Wickenburg Fire
Payson Fire Fighters	Sierra Vista Fire Fighters	Wickenburg Police
Payson Police	Sierra Vista Police	Willcox Police
Peoria Fire Fighters	Snowflake Police	Williams Police
Peoria Police	Somerton Fire Fighters	Williamson Valley Fire District
Picture Rocks Fire Fighters	Somerton Police	Winslow Fire Fighters
Pima Community College Police	South Tucson Fire Fighters	Winslow Police
Pima County Attorney Investigators	South Tucson Police	Wittman Fire Fighters
Pima Police	Springerville Police	Yavapai County Attorney Investigators
Pine-Strawberry Fire Fighters	St. John's Police	Yavapai County Sheriffs
Pinetop Fire Fighters	Summit Fire District	Yavapai Prescott Tribal Police
		Youngtown Police

## Actuarial Method Used for the Valuation

**Normal Cost.** Normal cost and the actuarial present values between service rendered before and after the valuation date were determined using the projected unit credit actuarial cost method having the following characteristics:

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

**Actuarial Accrued Liability.** The actuarial accrued liability is the portion of actuarial present value allocated to service rendered prior to the valuation date, including experience gains and losses. The actuarial accrued liability was computed using the assumptions summarized in this report. Accrued valuation assets were subtracted from the computed actuarial accrued liability. Any unfunded amount would be amortized as level percent of payroll over a closed period of 28 years. If accrued valuation assets exceeded the actuarial accrued liability, the excess was amortized over an open period of 20 years and applied as a credit to reduce the normal cost which otherwise would be payable.

Active member payroll was assumed to increase 5.5% annually for the purpose of computing the amortization payment (credit) as a level percent of payroll.





***Section Five:***  
***Valuation Data***



## Derivation of Funding Value of Retirement Plan Assets

	Values as of June 30				
	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>
<b>Beginning of Year</b>					
(1) Book Value	\$3,580,672,496	\$3,639,362,740	\$3,820,166,057	\$4,183,883,048	\$4,517,667,333
(2) Market Value	3,832,538,098	4,305,105,991	4,608,041,889	4,906,398,526	5,531,793,708
(3) Funding Value	5,249,502,011	5,342,932,007	5,424,475,960	5,490,626,146	5,492,452,536
<b>End of Year</b>					
(4) Market Value	4,305,105,991	4,608,041,889	4,906,398,526	5,531,793,708	5,019,280,698
(5) Net Addition to Assets, Exc. Inv. Income	(87,052,548)	(83,158,584)	(81,155,442)	(190,129,184)	(103,595,279)
(6) Total Net Investment Income = (4) - (2) - (5)	559,620,441	386,094,482	379,512,079	815,524,366	(408,917,731)
(7) Projected Net Rate of Return	9.00%	8.75%	8.50%	8.50%	8.50%
(8) Projected Investment Income = (7) x [(3) + .5 x (5)]	468,537,816	463,868,363	457,631,350	458,622,732	462,455,666
(9) Investment Income in Excess of Proj.	91,082,625	(77,773,881)	(78,119,271)	356,901,634	(871,373,397)
(10) Excess Investment Income Recognized *					
(10a) From Current Year = (9) / 7 in 2003 and after	13,011,804	(11,110,554)	(11,159,896)	50,985,948	(124,481,914)
(10b) From One Year Prior	(32,500,873)	13,011,804	(11,110,554)	(11,159,896)	50,985,948
(10c) From Two Years Prior	(140,461,123)	(32,500,873)	13,011,804	(11,110,554)	(11,159,896)
(10d) From Three Years Prior	(135,432,464)	(140,461,123)	(32,500,873)	13,011,804	(11,110,554)
(10e) From Four Years Prior	7,327,384	(135,432,464)	(140,461,123)	(32,500,873)	13,011,804
(10f) From Five Years Prior		7,327,384	(135,432,464)	(140,461,123)	(32,500,873)
(10g) From Six Years Prior			7,327,384	(135,432,464)	(140,461,123)
(11) Change in Funding Value =(5) + (8) + (10) [a..g]	93,429,996	81,543,953	66,150,186	1,826,390	103,143,779
<b>End of Year Values</b>					
(12) Book Value	3,639,362,740	3,820,166,057	4,183,883,048	4,517,667,333	5,137,831,607
(4) Market Value	4,305,105,991	4,608,041,889	4,906,398,526	5,531,793,708	5,019,280,698
(13) Preliminary Funding Value (3) + (11)	5,342,932,007	5,424,475,960	5,490,626,146	5,492,452,536	5,595,596,315
(14) Future Benefit Increase Reserve	568,619,029	537,513,325	490,714,741	662,931,350	499,951,273
(15) Funding Value (13) - (14)	4,774,312,978	4,886,962,635	4,999,911,405	4,829,521,186	5,095,645,042
(16) Funding Value Adjustment (15) - (12)	1,134,950,238	1,066,796,578	816,028,357	311,853,853	(42,186,565)

\*Four year recognition through June 30, 2002. Beginning with the June 30, 2003 valuation, seven year recognition was used for the current year. The remaining amount from the prior year is recognized over 6 years, from the second prior year over 5 years, from the third prior year over 4 years, from the fourth prior year over 3 years, from the fifth prior year over 2 years, and from the sixth prior year over 1 year.

## Participant Summary

**Summary of Retired Members and Survivors**  
**June 30, 2008**

<u>Pensions Being Paid*</u>	<u>Number</u>	<u>Annual Pensions</u>	<u>Average Pensions</u>
Retired Members -			
Service Pensions	5,986	\$266,400,617	\$44,504
Disability Pensions	1,195	41,128,660	34,417
Totals	7,181	307,529,277	42,825
Survivors -			
Spouses	1,010	34,338,886	33,999
Children with Guardians**	50	977,588	19,552
Totals	1,060	35,316,474	33,317
<b>Total Pensions being paid</b>	<b>8,241</b>	<b>\$342,845,751</b>	<b>\$41,602</b>

\*Does not include DROP participants totaling 1,181 with annual pensions of \$61,540,523.

\*\*Does not include pensions payable to children whose parent is being paid a survivor pension.

**Averages**

	<u>Average Age</u>	<u>Average Service (yrs.)</u>	<u>Average Age at Retirement (yrs.)</u>
Normal retired members	61.9	23.5	50.6
Disability retired members	55.0	14.4	43.6
Spouse beneficiaries	66.6	18.6	44.2
DROP Participants	53.1	24.5	50.5

**Summaries of Retired Members and Survivors  
June 30, 2008  
Tabulated by Attained Age of Recipient**

Attained Age	Service		Disability		Survivors		Totals	
	No.	Annual Pensions	No.	Annual Pensions	No.	Annual Pensions	No.	Annual Pensions
Children w/Guardians		\$ -		\$ -	50	\$977,588	50	\$977,588
20-24					2	65,449	2	65,449
25-29			3	71,989			3	1,989
30-34			28	718,090	10	414,386	38	1,132,476
35-39	1	30,228	62	1,921,648	17	722,845	80	2,674,721
40-44	77	2,970,229	120	3,740,858	33	1,212,369	230	7,923,456
45-49	370	14,809,598	162	5,365,768	63	2,275,241	595	22,450,607
50-54	846	36,410,840	207	7,116,892	85	3,333,456	1,138	46,861,188
55-59	1,387	64,585,422	219	7,996,100	103	3,716,631	1,709	76,298,153
60-64	1,369	65,203,064	219	7,988,096	129	4,618,665	1,717	77,809,825
65-69	864	39,459,416	91	3,429,860	139	4,688,276	1,094	47,577,552
70-74	530	22,364,536	39	1,305,008	120	3,784,405	689	27,453,949
75-79	329	12,984,664	36	1,198,171	142	4,489,595	507	18,672,430
80-84	148	5,408,004	6	178,909	89	2,700,245	243	8,287,158
90-94	16	486,049	1	29,175	17	495,250	34	1,010,474
95-99	5	150,076			5	141,865	10	291,941
Over 100					1	28,386	1	28,386
<b>Totals</b>	<b>5,986</b>	<b>\$266,400,617</b>	<b>1,195</b>	<b>\$41,128,660</b>	<b>1,060</b>	<b>\$35,316,474</b>	<b>8,241</b>	<b>342,845,751</b>

**Pensions Being Paid  
Historical Schedule**

<b>Valuation Date June 30</b>	<b>No.</b>	<b>Annual Pensions</b>	<b>% Incr. in Annual Pensions</b>	<b>Average Pension</b>	<b>Present Value of Pensions</b>	
					<b>Total</b>	<b>Average</b>
1980	1,198	\$8,921,649	32.3%	\$7,447	\$97,745,828	\$81,591
1985	1,927	21,986,179	18.6	11,410	214,202,673	111,159
1990	2,771	43,514,479	19.9	15,704	419,548,188	151,407
1995	3,959	85,544,676	10.3	21,608	831,141,888	209,937
1996	4,210	94,897,897	10.9	22,541	919,714,550	218,460
1997	4,440	104,374,026	10.0	23,508	1,008,310,914	227,097
1998	4,700	115,542,977	10.7	24,584	1,103,897,830	234,872
1999	5,050	132,364,761	14.6	26,211	1,287,068,837	254,865
2000	5,442	152,227,372	15.0	27,973	1,478,844,686	271,747
2001	5,782	170,281,580	11.9	29,450	1,722,264,280	297,866
2002 (a)	5,989	184,212,972	8.2	30,759	1,905,915,966	318,236
2002 (b)	6,634	215,378,952	26.5	32,466	2,276,159,481	343,105
2003 (a)	6,184	207,616,176	12.7	33,573	2,010,800,672	325,162
2003 (b)	7,195	256,503,012	19.1	35,650	2,794,848,306	388,443
2004 (a)	6,396	224,162,361	8.0	35,047	2,208,872,435	345,352
2004 (b)	7,663	286,346,220	11.6	37,367	2,995,380,537	390,889
2005 (a)	6,688	244,294,740	9.0	36,527	2,566,486,551	383,745
2005 (b)	8,160	317,771,553	11.0	38,943	3,607,372,524	442,080
2006 (a)	6,974	265,826,713	8.8	38,117	2,743,386,680	393,373
2006 (b)	8,720	353,932,939	11.4	40,589	4,028,016,095	461,928
2007 (a)	7,633	307,657,629	15.7	40,306	3,183,930,712	417,127
2007 (b)	8,958	375,472,203	6.1	41,915	4,266,600,730	476,289
<b>2008 (a)</b>	<b>8,241</b>	<b>342,845,751</b>	<b>11.4</b>	<b>41,602</b>	<b>3,418,835,285</b>	<b>414,857</b>
<b>2008 (b)</b>	<b>9,422</b>	<b>404,386,274</b>	<b>7.7</b>	<b>42,919</b>	<b>4,404,386,241</b>	<b>467,458</b>

(a) *Excluding DROP participants.*

(b) *Including DROP participants.*

## Retired Members and Survivors – By Employer

<u>Employer</u>	<u>Retired Members</u>				<u>Survivors</u>			<u>Totals</u>		
	<u>No.</u>	<u>Service</u>	<u>No.</u>	<u>Disability</u>	<u>No.</u>	<u>Spouses</u>	<u>Child with Guardians</u>	<u>Annual Pensions</u>	<u>No.</u>	<u>Annual Pensions</u>
		<u>Annual Pensions</u>		<u>Annual Pensions</u>						
Ak Chin Indian Comm. Fire	2	\$61,443	2	\$40,309				\$ -	4	\$101,752
Ak Chin Indian Comm. Police	1	52,283							1	52,283
Apache County Sheriffs	9	306,520	8	187,241	1			44,395	18	538,156
Apache Junction Fire District	2	116,974	4	145,690					6	262,664
Apache Junction Police	18	559,443	6	184,601	2			74,129	26	818,173
Arizona Att. General Invest.	20	709,677	1	27,636	1			40,086	22	777,399
Arizona Depart of Liq. Lic.	4	152,793	6	150,885	1			19,197	11	322,875
Arizona State Capitol Police	3	95,944	2	53,844					5	149,788
Arizona State Parks	3	124,696							3	124,696
ASU Police	20	783,667	2	50,485	5			135,652	27	969,804
Avondale Fire Fighters			3	98,850					3	98,850
Avondale Police	3	138,143	10	270,691			1	29,003	14	437,837
Avra Valley Fire District										
Benson Fire Fighters										
Benson Police	3	102,376			1			31,447	4	133,823
Bisbee Fire Fighters	13	358,259	6	140,771	3			89,417	22	588,447
Bisbee Police	9	266,264	3	74,829	1			28,155	13	369,248
Black Canyon Fire District										
Buckeye Fire Fighters										
Buckeye Police	3	128,357	1	31,126	3			78,235	7	237,718
Buckeye Valley Fire District										
Buckskin Fire Fighters	3	100,718	4	133,293					7	234,011
Bullhead City Fire Fighters	7	266,453	2	66,232	1			23,925	10	356,610
Bullhead City Police	15	462,948	7	212,368					22	675,316
Camp Verde Fire District										
Camp Verde Marshals	1	37,987	1	23,950					2	61,937
Casa Grande Fire Fighters	17	710,304	1	48,156	1			33,245	19	791,705
Casa Grande Police	35	1,036,906	3	95,834	4	1		186,210	43	1,318,950
Cave Creek Marshals										
Central Arizona College Police										
Central Yavapai Fire Fighters	12	456,170	4	120,977	1			36,489	17	613,636
Chandler Fire Fighters	26	1,087,148	4	114,968	3			109,694	33	1,311,810
Chandler Police	50	2,117,103	5	158,073	5	1		248,130	61	2,523,306
Chino Valley Fire District	1	36,331							1	36,331
Chino Valley Police	1	26,923	1	23,737	1			36,181	3	86,841
Clarksdale Fire Fighters										
Clarksdale Police					1			25,326	1	25,326
Clifton Fire Fighters	1	20,570			1			30,076	2	50,646
Clifton Police	1	19,957							1	19,957
Cochise County Sheriffs	35	1,159,582	13	350,554	2			67,686	50	1,577,822
Coconino County Sheriffs	35	1,258,157	4	134,641	3			99,987	42	1,492,785
Coolidge Fire Fighters										
Coolidge Police	5	159,551	3	86,910					8	246,461

<u>Employer</u>	<u>Retired Members</u>				<u>Survivors</u>			<u>Totals</u>	
	<u>Service</u>		<u>Disability</u>		<u>No. Spouses</u>	<u>No. Child with Guardians</u>	<u>Annual Pensions</u>	<u>No.</u>	<u>Annual Pensions</u>
	<u>No.</u>	<u>Annual Pensions</u>	<u>No.</u>	<u>Annual Pensions</u>					
Corona De Tucson Fire Dist.		\$		\$			\$		\$
Cottonwood Fire Fighters	2	63,173						2	63,173
Cottonwood Police	5	215,580	6	136,960	1		29,797	12	382,337
D.E.M.A.	8	247,991	3	85,015				11	333,006
Daisy Mountain Fire District									
Department of Public Safety	778	33,749,927	104	3,576,546	132	4	4,567,125	1,018	41,893,598
Desert Hills Fire Fighters									
Diamond Star Fire Fighters									
Douglas Fire Fighters	18	540,084	2	53,674	3		77,837	23	671,595
Douglas Police	21	635,790	2	64,335	1		47,292	24	747,417
Drexel Heights Fire Fighters	3	89,257	3	49,400				6	138,657
Eagar Police	2	61,523						2	61,523
El Mirage Fire Fighters	1	39,174						1	39,174
El Mirage Police	2	74,105	3	86,899	1		35,131	6	196,135
Eloy Fire District									
Eloy Police	1	29,353	3	71,107				4	100,460
Flagstaff Fire Fighters	43	1,691,008	13	432,424	6	1	252,623	63	2,376,055
Flagstaff Police	44	1,871,536	6	187,666	4	1	146,634	55	2,205,836
Florence Fire Fighters									
Florence Police	2	58,410						2	58,410
Fort McDowell Tribal Fire									
Fort McDowell Tribal Police									
Fort Mohave Mesa Fire Dist.			7	230,240				7	230,240
Fort Mojave Tribal Police									
Fredonia Marshals									
Fry Fire Fighters	14	591,953	3	97,551				17	689,504
Game & Fish Department	109	4,040,700	3	122,806	15	1	488,260	128	4,651,766
Gila County Sheriffs	9	274,138	2	50,567	5	1	131,903	17	456,608
Gila River Fire Fighters			1	23,471		2	24,346	3	47,817
Gila River Police	1	49,311						1	49,311
Gilbert Fire Fighters	1	47,319	1	29,665				2	76,984
Gilbert Police	9	462,534	13	394,179	2		119,355	24	976,068
Glendale Fire Fighters	60	2,574,820	8	257,488	3		86,586	71	,918,894
Glendale Police	102	4,506,157	23	785,097	8	1	308,984	134	5,600,238
Globe Fire Fighters	5	179,558	1	29,505	2		58,905	8	267,968
Globe Police	9	228,130			2		58,592	11	286,722
Golden Shores Fire District									
Golden Valley Fire District	3	61,595	1	20,997				4	82,592
Golder Ranch Fire District					2	1	51,232	3	51,232
Goodyear Fire Fighters									
Goodyear Police	3	164,510	1	26,033	3	1	89,676	8	280,219
Graham Co. Attorney Invest.									
Graham County Sheriffs	3	82,451	2	42,431				5	124,882
Green Valley Fire District									
Greenlee Co. Attorney Invest.									

<u>Employer</u>	<u>Retired Members</u>				<u>Survivors</u>			<u>Totals</u>	
	<u>Service</u>		<u>Disability</u>		<u>No. Spouses</u>	<u>No. Child with Guardians</u>	<u>Annual Pensions</u>	<u>No.</u>	<u>Annual Pensions</u>
	<u>No.</u>	<u>Annual Pensions</u>	<u>No.</u>	<u>Annual Pensions</u>					
Greenlee County Sheriffs	3	\$94,231	1	\$22,075			\$	4	\$116,306
Groom Creek Fire District									
Guadalupe Fire Fighters			1	38,954				1	38,954
Harquahala Fire District									
Hayden Police									
Heber-Overgaard Fire Fighters									
Highlands Fire District	2	64,617						2	64,617
Holbrook Police	6	211,360	2	53,022	1		31,104	9	295,486
Hualapai Indian Tribe Police									
Hualapai Valley Fire Fighters	4	107,067						4	107,067
Jerome Police Department									
Kearny Police	1	24,847	1	32,918				2	57,765
Kingman Fire Fighters	6	246,075	2	65,092	3		95,531	11	406,698
Kingman Police	15	496,364	2	66,420	1		34,259	18	597,043
La Paz County Attorney Invest.									
La Paz County Sheriffs	7	257,410	1	26,768	3		79,276	11	363,454
Lake Havasu City Fire Fighters	27	1,108,889	1	35,705	1		34,969	29	1,179,563
Lake Havasu City Police	22	832,370	3	105,034	2		60,911	27	998,315
Lakeside Fire Fighters									
Linden Fire District									
Mammoth Police									
Marana Police	1	62,573	3	83,213	2		44,189	6	189,975
Maricopa County Att. Invest.	16	528,664			2		63,891	18	592,555
Maricopa County Park Rangers	4	149,198						4	149,198
Maricopa County Sheriff	276	11,346,904	18	583,194	65	1	2,241,508	360	14,171,606
Maricopa Fire District									
Maricopa Police									
Mayer Fire District					1		22,894	1	22,894
Mesa Fire Fighters	103	5,323,090	28	1,045,771	19	2	814,492	152	7,183,353
Mesa Police	171	8,674,728	103	3,993,000	17		650,892	291	13,318,620
Miami Fire Fighters									
Miami Police	2	50,173						2	50,173
Mohave County Sheriffs	12	408,371	6	190,974	10	1	297,334	29	896,679
Mohave Valley Fire Fighters									
Montezuma/Rimrock Fire			1	20,108				1	20,108
Mt. Lemmon Fire District									
NAU Police	11	432,688			1		21,083	12	453,771
Navajo County Att. Invest.	1	26,046						1	26,046
Navajo County Sheriffs	22	655,143	1	16,616	3		104,229	26	775,988
Nogales Fire Fighters	14	453,184				1	34,509	15	487,693
Nogales Police	12	386,893	1	31,637	2		44,458	15	462,988
Northwest Fire District	6	238,667	4	97,229				10	335,896
Oracle Fire Fighters									
Oro Valley Police	7	276,034	5	148,140	2	1	76,028	15	500,202
Page Fire Fighters			1	27,932	1		30,274	2	58,206



<u>Employer</u>	<u>Retired Members</u>				<u>Spouses</u>	<u>Survivors</u>		<u>Totals</u>	
	<u>Service</u>		<u>Disability</u>			<u>No.</u>	<u>Annual</u>	<u>No.</u>	<u>Annual</u>
	<u>No.</u>	<u>Pensions</u>	<u>No.</u>	<u>Pensions</u>		<u>Child with Guardians</u>	<u>Pensions</u>		<u>Pensions</u>
Page Police	7	\$209,012		\$			\$	7	\$209,012
Paradise Valley Police	13	554,485	10	353,019	1		32,889	24	940,393
Parker Police	3	90,037						3	90,037
Pascua-Yaqui Tribal Fire									
Pascua-Yaqui Tribal Police			1	13,630				1	13,630
Patagonia Marshals	1	26,151						1	26,151
Payson Fire Fighters	2	74,576	1	27,956				3	102,532
Payson Police	7	231,910	4	111,314	3		133,170	14	476,394
Peoria Fire Fighters	12	528,462	1	29,897	2		70,654	15	629,013
Peoria Police	22	952,582	10	335,459	5		160,435	37	1,448,476
Phoenix Fire Fighters	595	31,246,778	68	2,981,518	130	4	4,667,260	797	38,895,556
Phoenix Police	1,252	63,404,168	142	5,418,404	222	9	8,111,495	1,625	76,934,067
Picture Rocks Fire Fighters			1	26,746		1	16,323	2	43,069
Pima Comm. College Police	5	186,037			1		7,604	6	193,641
Pima County Attorney Invest.	2	68,869						2	68,869
Pima County Sheriffs	218	8,546,258	54	1,721,180	35		1,136,486	307	11,403,924
Pima Police									
Pinal County Sheriffs	37	1,247,009	10	245,978	17	1	481,241	65	1,974,228
Pine-Strawberry Fire Fighters	2	64,192						2	64,192
Pinetop Fire Fighters	1	56,221	3	61,992	1	1	19,570	6	137,783
Pinetop-Lakeside Police	5	172,800			1		23,551	6	196,351
Pinewood Fire District	2	73,419						2	73,419
Prescott Fire Fighters	30	1,213,094	6	225,661	3		86,715	39	1,525,470
Prescott Police	33	1,339,597	10	311,961	6		181,929	49	1,833,487
Prescott Valley Police	3	111,209	1	30,304				4	141,513
Quartzsite Fire District									
Quartzsite Police Department									
Queen Creek Fire Fighters									
Rincon Valley Fire District									
Rio Rico Fire District									
Rio Verde Fire District									
Safford Police	8	260,521	4	73,917	1		30,910	13	365,348
Sahuarita Police									
Salt River Pima-Maricopa Fire			1	24,866				1	24,866
Salt River Pima-Maricopa Pol.	2	69,590	5	182,271		1	32,357	8	284,218
San Carlos Tribal Police									
San Luis Fire Fighters									
San Luis Police	2	72,190			1		41,122	3	113,312
Santa Cruz County Sheriffs	10	311,975	2	58,067	2		78,778	14	448,820
Scottsdale Fire									
Scottsdale Police	93	4,408,515	42	1,577,934	11	1	467,235	147	6,453,684
Sedona Fire District	3	147,522	5	168,183				8	315,705
Sedona Police	2	69,611	1	29,061				3	98,672
Show Low Fire Fighters	1	36,305						1	36,305
Show Low Police	5	123,991	4	122,126				9	246,117

<u>Employer</u>	<u>Retired Members</u>				<u>Survivors</u>			<u>Totals</u>	
	<u>Service</u>		<u>Disability</u>		<u>No.</u>	<u>Child with</u>	<u>Annual</u>	<u>No.</u>	<u>Annual</u>
	<u>No.</u>	<u>Pensions</u>	<u>No.</u>	<u>Pensions</u>	<u>Spouses</u>	<u>Guardians</u>	<u>Pensions</u>		<u>Pensions</u>
Sierra Vista Fire Fighters	14	\$496,591		\$			\$	14	\$496,591
Sierra Vista Police	22	946,678			3		117,671	25	1,064,349
Snowflake Police	3	96,556	1	32,069				4	128,625
Somerton Fire Fighters						2	22,611	2	22,611
Somerton Police	1	29,311						1	29,311
South Tucson Fire Fighters	3	86,296	1	29,415				4	115,711
South Tucson Police	2	64,169	10	263,008	2		62,003	14	389,180
Springerville Police									
St. John's Police	1	30,228						1	30,228
Summit Fire District	1	29,793						1	29,793
Sun City Fire Fighters	7	363,871	1	40,685				8	404,556
Sun City West Fire District	4	150,965	3	100,039	1		32,529	8	283,533
Sun Lakes Fire District	1	46,257	3	88,792				4	135,049
Superior Fire									
Superior Police	1	27,833	1	20,415				2	48,248
Surprise Fire Fighters					1		15,655	1	15,655
Surprise Police	6	263,256	2	38,709	1		26,248	9	328,213
Tempe Fire Fighters	71	3,221,909	16	695,231	7		239,484	94	4,156,624
Tempe Police	142	6,388,616	11	412,342	10	1	423,456	164	7,224,414
Thatcher Police	5	170,369	2	15,733				7	186,102
Three Points Fire District									
Tohono O'Odham Nation Fire									
Tohono O'Odham Nation Pol.									
Tolleson Fire Fighters			1	37,190				1	37,190
Tolleson Police	5	195,516	3	85,234				8	280,750
Tombstone Marshals									
Tonopah Fire District									
Tri-City Fire District									
Tubac Fire District			2	36,707				2	36,707
Tucson Airport Auth. Fire	9	395,468	1	29,646				10	425,114
Tucson Airport Auth. Police	8	352,536	5	156,901	2		62,642	15	572,079
Tucson Fire Fighters	344	15,151,773	34	1,187,026	54	1	1,750,848	433	18,089,647
Tucson Police	415	17,445,782	161	5,712,565	67	2	2,221,434	645	25,379,781
U of A Police	11	275,818	9	271,840	4		135,256	24	682,914
Verde Valley Fire District	2	74,651						2	74,651
Wellton Police									
Wickenburg Fire									
Wickenburg Police	3	114,698	1	14,416				4	129,114
Willcox Police			2	59,175	3		86,380	5	145,555
Williams Police	1	32,990			1	1	23,274	3	56,264
Williamson Valley Fire Dist.									
Winslow Fire Fighters	1	33,307						1	33,307
Winslow Police	5	164,704			3		86,772	8	251,476
Wittman Fire Fighters									
Yavapai County Att Invest.	2	57,957						2	57,957

<u>Employer</u>	<u>Retired Members</u>				<u>Survivors</u>		<u>Totals</u>		
	<u>Service</u>		<u>Disability</u>		<u>No. Spouses</u>	<u>No. Child with Guardians</u>	<u>Annual Pensions</u>	<u>No.</u>	<u>Annual Pensions</u>
	<u>No.</u>	<u>Annual Pensions</u>	<u>No.</u>	<u>Annual Pensions</u>					
Yavapai County Sheriffs	22	\$760,824	19	\$544,849	5		\$144,551	46	\$1,450,224
Yavapai Prescott Tribal Pol.									
Youngtown Police	1	34,300			1		26,525	2	60,825
Yuma County Sheriffs	15	504,069	7	219,143	15		463,869	37	1,187,081
Yuma Fire Fighters	56	2,361,920	1	30,701	10	1	356,155	68	2,748,776
Yuma Police	57	2,135,200	10	310,876	11	2	416,613	80	2,862,689
<b>Totals</b>	<b>5,986</b>	<b>\$266,400,617</b>	<b>1,195</b>	<b>\$1,128,660</b>	<b>1,010</b>	<b>50</b>	<b>\$35,316,474</b>	<b>8,241</b>	<b>\$342,845,751</b>

*\*In addition, there were 1,181 DROP participants with annual pensions totaling \$61,540,523.*

## Active Members Included in Valuation

## Historical Schedule

Valuation Date	Partic. Units	Active Members	Valuation Payroll (+000)	Average Age (Yrs.)	Average Service (Yrs.)	Pay	% Increase in Avg. Pay
6-30-77	54	6,405	\$ 97,177	33.9	7.6	\$15,172	0.0%
6-30-80	71	7,264	144,371	34.1	7.9	19,875	8.2
6-30-85	106	8,536	244,094	35.2	8.7	28,596	5.9
6-30-90	130	10,125	371,950	36.6	9.8	36,736	4.7
6-30-95	155	11,971	496,063	37.4	10.3	41,439	3.8
6-30-96	162	12,477	541,231	37.6	10.3	43,378	4.7
6-30-97	161	13,901	579,341	37.6	10.3	44,194	1.9
6-30-98	167	13,635	625,222	37.8	10.3	45,854	3.8
6-30-99	171	14,128	682,184	37.8	10.3	48,286	5.3
6-30-00	181	14,886	751,280	37.7	10.0	50,469	4.5
6-30-01	186	15,473	826,740	37.2	10.0	53,431	5.9
6-30-02*	194	15,557	854,249	36.9	9.4	54,911	2.8
6-30-03*	195	15,530	881,285	37.0	9.5	56,747	3.3
6-30-04*	199	15,852	911,718	37.1	9.5	57,517	1.4
6-30-05*	210	16,317	974,863	37.6	9.5	59,745	3.9
6-30-06*	212	17,324	1,073,685	37.4	9.0	61,977	3.7
6-30-07*	221	18,624	1,228,037	37.3	8.9	65,938	6.4
<b>6-30-08*</b>	<b>229</b>	<b>19,912</b>	<b>1,383,332</b>	<b>37.3</b>	<b>8.9</b>	<b>69,472</b>	<b>5.4</b>

\* Excluding DROP participants. There were 1,181 DROP participants as of 6/30/2008 and 1,325 as of 6/30/2007.

## Active Members as of June 30, 2008

Attained Age	Service							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Payroll
Under 20	4							4	\$141,979
20-24	1,280	3						1,283	61,789,835
25-29	2,663	532	1					3,196	175,459,625
30-34	1,783	1,714	391					3,888	248,340,190
35-39	1,064	1,446	1,541	298				4,349	312,786,248
40-44	468	602	977	986	278	6		3,317	261,070,115
45-49	235	289	424	612	600	203		2,363	197,729,950
50-54	84	112	146	259	239	199	33	1,072	91,623,340
55-59	34	29	48	99	70	43	19	342	27,404,886
60	8	6	8	11		1		34	2,316,936
61	1	2	7	12	6		1	29	2,185,984
62		2		8			1	11	723,220
63	1		1	2		2		6	534,869
64		1	1	4		1		7	491,931
65		2	1	1				4	238,459
66	1		1	1				3	219,802
67				1				1	71,905
68	1							1	119,737
69	1							1	40,998
71	1							1	42,011
<b>Totals</b>	<b>7,629</b>	<b>4,740</b>	<b>3,547</b>	<b>2,294</b>	<b>1,193</b>	<b>455</b>	<b>54</b>	<b>19,912</b>	<b>\$1,383,332,020</b>

## Group Averages:

Age: 37.3 years  
Service: 8.9 years  
Annual Pay: \$69,472

**Inactive Members as of June 30, 2008**

<b>Attained Age</b>	<b>Service</b>						<b>Total</b>
	<b>0-4</b>	<b>5-9</b>	<b>10-14</b>	<b>15-19</b>	<b>20-24</b>	<b>25-29</b>	
20-24	101						101
25-29	256	6					262
30-34	211	35	3				249
35-39	153	26	26	1			206
40-44	93	22	18	4	2		139
45-49	47	8	11	13			79
50-54	18	6	10	3			37
55-59	8		7	2			17
60-64	6	1	7	1		1	16
65-69	2						2
<b>Totals</b>	<b>895</b>	<b>104</b>	<b>82</b>	<b>24</b>	<b>2</b>	<b>1</b>	<b>1,108</b>

## Active Members - By Employer

<u>Employer</u>	<u>No.</u>	<u>Annual Compensation</u>	<u>Average Compensation</u>		<u>Average</u>	
			<u>Amount</u>	<u>% Change</u>	<u>Age</u> <u>(Yrs.)</u>	<u>Service</u> <u>(Yrs.)</u>
Ak Chin Indian Community Fire	19	\$1,052,827	\$55,412	8.2	39.5	4.8
Ak Chin Indian Community Police	9	608,502	67,611	21.8	35.1	2.5
Apache County Sheriffs	29	1,338,474	46,154	4.0	40.8	7.6
Apache Junction Fire District	75	5,155,821	68,744	(0.4)	38.0	9.5
Apache Junction Police	51	3,577,632	70,150	19.2	39.3	8.5
Arizona Attorney General Investigators	12	733,933	61,161	1.1	48.2	12.8
Arizona Department of Liquor Licenses	15	865,776	57,718	7.0	42.3	10.8
Arizona State Capitol Police	24	1,161,412	48,392	(2.3)	37.3	5.4
Arizona State Parks	42	1,858,998	44,262	3.1	43.5	11.8
ASU Police	56	2,966,781	52,978	(8.3)	36.3	7.7
Avondale Fire Fighters	53	4,218,295	79,590	1.0	37.5	7.8
Avondale Police	97	6,673,898	68,803	6.5	33.4	5.2
Avra Valley Fire District	14	550,342	39,310	(6.9)	36.1	4.1
Benson Fire Fighters	1	61,822	61,822		40.4	19.8
Benson Police	14	776,761	55,483	15.2	35.3	6.0
Bisbee Fire Fighters	20	828,688	41,434	(0.5)	38.1	8.5
Bisbee Police	13	931,586	71,660	21.7	37.1	10.5
Black Canyon Fire District	9	388,395	43,155	0.2	39.0	3.8
Buckeye Fire Fighters	78	5,013,326	64,273	14.9	33.2	4.4
Buckeye Police	62	4,853,432	78,281	14.4	36.1	5.9
Buckeye Valley Fire District	61	2,924,432	47,942	(0.6)	34.0	3.0
Buckskin Fire Fighters	9	583,145	64,794	16.9	36.7	7.4
Bullhead City Fire Fighters	79	5,298,898	67,075	8.4	37.2	10.8
Bullhead City Police	79	5,351,933	67,746	3.0	40.0	9.7
Camp Verde Fire District	24	1,371,222	57,134	6.8	34.3	7.8
Camp Verde Marshals	19	932,555	49,082	0.5	37.3	7.8
Casa Grande Fire Fighters	60	3,980,691	66,345	(9.1)	36.6	5.6
Casa Grande Police	75	4,958,997	66,120	5.4	36.4	7.2
Cave Creek Marshals	2	134,692	67,346	11.6	38.7	5.1
Central Arizona College Police	6	265,870	44,312		38.9	5.4
Central Yavapai Fire Fighters	73	5,405,064	74,042	2.0	40.2	11.0
Chandler Fire Fighters	193	14,906,063	77,233	4.4	38.1	9.9
Chandler Police	316	25,093,684	79,410	7.3	37.5	9.7
Chino Valley Fire District	34	2,162,046	63,590	10.8	38.8	8.9
Chino Valley Police	24	1,291,162	53,798	3.2	37.6	7.4
Clarksdale Fire Fighters	5	195,637	39,127		33.8	3.1
Clarksdale Police	10	464,836	46,484	15.2	44.7	12.3
Clifton Fire Fighters						
Clifton Police	2	65,562	32,781	(32.1)	35.3	4.2
Cochise County Sheriffs	78	3,983,864	51,075	12.0	37.7	8.2
Coconino County Sheriffs	60	3,557,390	59,290	11.1	39.2	10.3
Coolidge Fire Fighters	4	189,428	47,357	2.3	31.7	1.0
Coolidge Police	31	1,734,347	55,947	5.2	38.5	6.3

<b>Employer</b>	<b>No.</b>	<b>Annual Compensation</b>	<b>Average Compensation</b>		<b>Average</b>	<b>Service</b>
			<b>Amount</b>	<b>% Change</b>	<b>Age (Yrs.)</b>	<b>(Yrs.)</b>
Corona De Tucson Fire District	14	\$522,851	\$37,346	(5.6)	37.3	6.4
Cottonwood Fire Fighters	15	883,391	58,893	14.1	37.5	7.7
Cottonwood Police	27	1,504,994	55,741	8.3	36.5	7.6
D.E.M.A.	39	2,169,066	55,617	15.0	36.5	8.1
Daisy Mountain Fire District	88	6,125,469	69,608	4.1	34.4	6.1
Department of Public Safety	1,151	80,843,196	70,237	8.3	38.7	10.7
Desert Hills Fire Fighters	17	723,854	42,580		30.2	0.7
Diamond Star Fire Fighters	8	425,904	53,238	(15.1)	37.3	6.9
Douglas Fire Fighters	22	1,168,259	53,103	8.7	33.5	6.7
Douglas Police	28	1,542,544	55,091	11.5	34.9	8.6
Drexel Heights Fire Fighters	87	4,824,289	55,452	4.3	37.0	7.8
Eagar Police	9	463,689	51,521	2.2	37.4	8.1
El Mirage Fire Fighters	18	1,209,703	67,206	(13.1)	33.2	4.7
El Mirage Police	37	2,667,973	72,107	29.1	36.4	6.6
Eloy Fire District	22	1,146,524	52,115	3.4	34.4	5.2
Eloy Police	30	1,648,344	54,945	(0.8)	37.4	8.2
Flagstaff Fire Fighters	77	5,176,064	67,222	5.7	38.4	10.8
Flagstaff Police	114	7,437,160	65,238	(5.5)	32.8	7.1
Florence Fire Fighters	22	1,143,644	51,984	9.3	34.2	2.9
Florence Police	29	1,635,384	56,393	1.7	38.1	5.1
Fort McDowell Tribal Fire Department	14	551,894	39,421	(1.5)	33.8	4.3
Fort McDowell Tribal Police Depart.	19	1,070,535	56,344	1.5	39.6	7.3
Fort Mohave Mesa Fire District	34	2,544,197	74,829	16.0	38.1	8.3
Fort Mojave Tribal Police	18	1,182,133	65,674	11.2	33.1	2.9
Fredonia Marshals	4	166,993	41,748	4.0	34.2	7.2
Fry Fire Fighters	42	2,168,716	51,636	7.9	31.1	5.7
Game & Fish Department	124	7,012,792	56,555	7.5	41.1	13.4
Gila County Sheriffs	43	2,138,950	49,743	15.1	40.9	7.9
Gila River Fire Fighters	64	4,342,082	67,845	(5.7)	34.3	5.6
Gila River Police	85	5,600,978	65,894	4.2	37.0	5.5
Gilbert Fire Fighters	173	12,853,768	74,299	3.8	35.6	6.5
Gilbert Police	231	16,984,351	73,525	6.2	35.0	6.8
Glendale Fire Fighters	225	18,592,150	82,632	5.7	38.0	10.0
Glendale Police	397	27,904,440	70,288	1.7	35.9	8.2
Globe Fire Fighters	18	887,571	49,309	13.1	44.1	12.4
Globe Police	22	1,012,299	46,014	1.3	37.5	10.1
Golden Shores Fire District	6	353,971	58,995	11.4	33.4	6.0
Golden Valley Fire District	23	1,046,539	45,502	6.7	32.5	5.6
Golder Ranch Fire District	109	6,218,507	57,051	4.8	34.7	7.2
Goodyear Fire Fighters	93	6,888,845	74,074	(1.2)	34.9	5.7
Goodyear Police	88	6,192,247	70,366	4.1	36.1	6.6
Graham County Attorney Investigators						
Graham County Sheriffs	21	1,039,847	49,517	9.3	36.7	7.6
Green Valley Fire District	56	3,789,472	67,669	8.3	41.2	10.4
Greenlee County Attorney Investigators						
Greenlee County Sheriffs	15	677,521	45,168	(0.9)	38.9	7.2
Groom Creek Fire District	5	295,528	59,106	13.5	33.5	2.8
Guadalupe Fire Fighters	6	454,750	75,792	2.9	37.4	7.2



<b>Employer</b>	<b>No.</b>	<b>Annual Compensation</b>	<b>Average Compensation</b>		<b>Average</b>	<b>Service</b>
			<b>Amount</b>	<b>% Change</b>	<b>Age (Yrs.)</b>	<b>(Yrs.)</b>
Harquahala Fire District	11	\$411,444	\$37,404	(3.8)	34.2	2.1
Hayden Police	5	277,870	55,574	16.8	41.3	3.3
Heber-Overgaard Fire Fighters	13	708,204	54,477	9.3	47.3	3.9
Highlands Fire District	23	1,337,804	58,165	2.2	36.6	5.4
Holbrook Police	16	733,647	45,853	9.6	36.5	7.3
Hualapai Indian Tribe Police Dept.	12	637,491	53,124	(19.8)	32.7	1.9
Hualapai Valley Fire Fighters	46	2,105,159	45,764	1.1	33.8	2.8
Jerome Police Department	3	113,451	37,817	17.7	53.5	5.1
Kearny Police	4	181,228	45,307	0.0	47.3	12.2
Kingman Fire Fighters	50	3,114,492	62,290	6.8	39.8	12.1
Kingman Police	51	3,056,903	59,939	(1.0)	36.9	8.5
La Paz County Attorney Investigators	1	48,373	48,373	(1.8)	55.8	18.6
La Paz County Sheriffs	33	1,812,441	54,922	15.5	40.4	9.0
Lake Havasu City Fire Fighters	74	5,350,345	72,302	21.9	35.5	7.4
Lake Havasu City Police	90	6,349,025	70,545	2.0	36.8	8.3
Lakeside Fire Fighters	19	1,051,816	55,359	6.1	37.4	5.6
Linden Fire District	8	345,636	43,204	28.7	34.8	5.1
Mammoth Police	4	127,410	31,853	3.4	40.8	8.3
Marana Police	82	4,822,869	58,815	5.3	36.8	6.8
Maricopa County Attorney Investigators	14	885,955	63,282	27.0	49.6	6.2
Maricopa County Park Rangers						
Maricopa County Sheriff	737	47,953,146	65,065	(0.8)	38.2	9.1
Maricopa Fire District	60	3,926,466	65,441	34.5	34.6	4.2
Maricopa Police	48	3,203,012	66,729		36.9	3.8
Mayer Fire District	16	883,196	55,200	6.9	40.2	5.0
Mesa Fire Fighters	346	28,607,906	82,682	6.5	38.9	11.5
Mesa Police	762	59,211,259	77,705	9.7	37.1	9.7
Miami Fire Fighters						
Miami Police	7	278,369	39,767	(0.3)	40.0	5.4
Mohave County Sheriffs	88	5,215,621	59,268	(0.1)	37.6	7.8
Mohave Valley Fire Fighters	34	1,418,432	41,719	(15.0)	36.5	7.1
Montezuma/Rimrock Fire Fighters	11	535,812	48,710	17.5	34.5	4.0
Mt. Lemmon Fire District	10	389,215	38,922	(0.5)	33.9	4.0
NAU Police	14	700,527	50,038	18.0	36.3	7.9
Navajo County Attorney Investigators						
Navajo County Sheriffs	48	2,033,947	42,374	(2.5)	38.9	6.8
Nogales Fire Fighters	43	2,284,185	53,121	(1.3)	35.8	10.3
Nogales Police	57	2,931,450	51,429	4.6	35.2	9.2
Northwest Fire District	187	11,844,679	63,341	10.6	35.1	8.1
Oracle Fire Fighters	5	173,983	34,797		38.1	2.9
Oro Valley Police	94	5,856,015	62,298	5.7	36.7	8.3
Page Fire Fighters	17	859,242	50,544	10.0	33.5	2.1
Page Police	21	1,226,424	58,401	(1.8)	35.3	6.2
Paradise Valley Police	29	2,317,615	79,918	13.8	41.4	8.8
Parker Police	11	535,743	48,704	18.0	37.3	6.6

<u>Employer</u>	<u>No.</u>	<u>Annual Compensation</u>	<u>Average Compensation</u>		<u>Average</u>	<u>Service</u>
			<u>Amount</u>	<u>% Change</u>	<u>Age (Yrs.)</u>	<u>(Yrs.)</u>
Pascua-Yaqui Tribal Fire	23	\$1,088,501	\$47,326	(3.8)	34.4	8.4
Pascua-Yaqui Tribal Police	24	1,305,177	54,382	(5.2)	40.4	7.9
Patagonia Marshals						
Payson Fire Fighters	23	1,626,100	70,700	6.2	46.1	10.2
Payson Police	26	1,768,119	68,005	2.6	35.6	8.6
Peoria Fire Fighters	137	9,456,091	69,023	0.8	36.7	9.6
Peoria Police	178	13,106,869	73,634	5.8	36.8	8.5
Phoenix Fire Fighters	1,518	117,583,096	77,459	5.6	38.3	11.1
Phoenix Police	3,174	238,513,279	75,146	4.0	36.6	9.6
Picture Rocks Fire Fighters	20	893,310	44,666	2.6	42.1	10.1
Pima Community College Police	23	1,116,006	48,522	2.5	42.1	7.8
Pima County Attorney Investigators	7	356,286	50,898	3.3	42.3	7.6
Pima County Sheriffs	526	32,494,817	61,777	3.9	37.2	8.3
Pima Police	3	124,269	41,423	8.5	33.1	3.7
Pinal County Sheriffs	209	13,560,249	64,882	14.4	37.0	7.7
Pine-Strawberry Fire Fighters	17	975,879	57,405	(7.8)	37.8	6.6
Pinetop Fire Fighters	31	1,684,629	54,343	6.4	35.6	5.1
Pinetop-Lakeside Police	13	662,392	50,953	7.4	38.5	7.1
Pinewood Fire District	14	826,478	59,034	4.0	35.5	5.4
Prescott Fire Fighters	62	4,320,143	69,680	7.1	38.1	10.1
Prescott Police	68	4,296,379	63,182	1.5	36.0	7.2
Prescott Valley Police	62	3,966,754	63,980	10.0	36.4	8.6
Quartzsite Fire District	8	371,561	46,445	(4.3)	34.6	5.2
Quartzsite Police Department	13	777,912	59,839	4.9	38.4	7.8
Queen Creek Fire Fighters	28	1,628,518	58,161		32.9	0.5
Rincon Valley Fire District	32	1,459,211	45,600	3.1	34.6	4.4
Rio Rico Fire District	28	1,391,199	49,686	4.2	34.4	4.0
Rio Verde Fire District	16	1,000,829	62,552	(1.6)	42.6	9.9
Safford Police	20	1,385,504	69,275	13.6	39.0	11.7
Sahuarita Police	35	2,142,910	61,226	8.5	36.0	5.9
Salt River Pima-Maricopa Fire Fighters	58	5,221,020	90,018	11.0	40.0	10.9
Salt River Pima-Maricopa Police	112	8,753,564	78,157	3.8	35.8	5.5
San Carlos Tribal Police	17	637,989	37,529	2.2	38.8	6.7
San Luis Fire Fighters	21	997,455	47,498	3.9	34.5	6.9
San Luis Police	33	1,767,348	53,556	6.8	34.3	7.2
Santa Cruz County Sheriffs	38	2,105,003	55,395	18.1	36.2	8.1
Scottsdale Fire	234	18,162,357	77,617	6.6	39.7	3.6
Scottsdale Police	399	33,143,487	83,066	8.0	36.6	8.6
Sedona Fire District	75	5,715,484	76,206	1.7	36.5	7.8
Sedona Police	30	1,807,796	60,260	4.0	36.3	7.6
Show Low Fire Fighters	28	1,718,260	61,366	13.4	33.3	4.5
Show Low Police	29	1,674,273	57,734	6.2	35.9	8.5
Sierra Vista Fire Fighters	37	2,228,096	60,219	6.8	39.7	11.0
Sierra Vista Police	60	3,853,726	64,229	6.8	38.1	7.8
Snowflake Police	16	726,624	45,414	11.6	38.9	7.4

Section Five: Valuation Data

Somerton Fire Fighters	18	849,603	47,200	8.7	35.1	8.1
Somerton Police	23	1,037,512	45,109	5.4	38.0	7.6
South Tucson Fire Fighters	12	611,721	50,977	8.4	34.7	8.2

<u>Employer</u>	<u>No.</u>	<u>Annual Compensation</u>	<u>Average Compensation</u>		<u>Average</u>	<u>Service</u>
			<u>Amount</u>	<u>% Change</u>	<u>Age (Yrs.)</u>	<u>(Yrs.)</u>
South Tucson Police	18	\$958,261	\$53,237	14.0	40.0	7.5
Springerville Police	7	380,779	54,397	14.4	46.3	14.0
St. John's Police	9	373,933	41,548	3.8	38.3	3.7
Summit Fire District	46	2,285,754	49,690	5.8	34.7	6.3
Sun City Fire Fighters	63	4,633,484	73,547	4.0	39.4	10.4
Sun City West Fire District	53	3,999,154	75,456	5.9	38.6	10.6
Sun Lakes Fire District	36	2,943,578	81,766	7.4	37.2	8.8
Superior Fire	7	265,276	37,897	6.3	39.1	3.1
Superior Police	8	340,615	42,577	13.6	42.3	4.9
Surprise Fire Fighters	103	7,751,228	75,255	3.4	34.4	6.8
Surprise Police	127	8,706,843	68,558	5.2	35.1	5.7
Tempe Fire Fighters	141	12,573,469	89,174	3.0	38.6	12.2
Tempe Police	322	28,052,053	87,118	14.4	35.5	8.7
Thatcher Police	9	486,836	54,093	16.5	35.2	8.0
Three Points Fire District	17	791,132	46,537	(0.2)	40.5	5.1
Tohono O'Odham Nation Fire Fighters	34	1,918,568	56,428	22.4	36.1	5.8
Tohono O'Odham Nation Police	63	3,653,379	57,990	2.9	40.1	9.8
Tolleson Fire Fighters	29	2,052,603	70,779	3.0	41.3	8.1
Tolleson Police	28	1,707,450	60,980	6.1	37.1	7.4
Tombstone Marshals	8	330,559	41,320	6.0	40.9	4.7
Tonopah Fire District	7	245,275	35,039	14.3	40.0	3.5
Tri-City Fire District	16	731,626	45,727	5.6	32.7	4.1
Tubac Fire District	25	1,284,643	51,386	9.7	37.0	6.6
Tucson Airport Authority Fire Fighters	16	911,739	56,984	(6.1)	37.0	9.6
Tucson Airport Authority Police	23	1,537,319	66,840	13.6	41.1	7.7
Tucson Fire Fighters	602	39,841,930	66,183	5.6	37.1	9.5
Tucson Police	943	66,950,074	70,997	3.9	37.7	9.8
U of A Police	50	3,109,150	62,183	0.1	38.9	9.6
Verde Valley Fire District	27	1,599,395	59,237	12.8	41.0	7.8
Wellton Police	6	371,855	61,976	45.8	32.2	5.5
Wickenburg Fire	10	411,023	41,102	2.9	37.9	4.0
Wickenburg Police	14	800,188	57,156	8.2	39.4	8.4
Willcox Police	11	545,678	49,607	2.8	39.7	8.7
Williams Police	11	545,028	49,548	0.4	45.8	4.1
Williamson Valley Fire District	4	167,410	41,852	7.6	42.6	6.6
Winslow Fire Fighters	6	332,263	55,377	12.4	47.6	18.7
Winslow Police	27	1,424,154	52,746	8.1	39.0	8.5
Wittman Fire Fighters	7	215,500	30,786		37.4	2.1
Yavapai County Attorney Investigators						
Yavapai County Sheriffs	126	7,241,743	57,474	3.7	38.7	8.1
Yavapai Prescott Tribal Police	6	327,646	54,608	3.6	50.5	1.7
Youngtown Police	10	500,980	50,098	5.5	39.6	6.4
Yuma County Sheriffs	66	3,878,518	58,765	9.6	37.7	7.7
Yuma Fire Fighters	104	6,081,510	58,476	(0.4)	37.3	10.7

*Section Five: Valuation Data*

Yuma Police	159	9,619,242	60,498	2.5	36.5	8.2
<b>Totals</b>	<b>19,912</b>	<b>\$1,383,332,020</b>	<b>\$69,472</b>	<b>5.4</b>	<b>37.3</b>	<b>8.9</b>

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***Section Six:***  
***Accounting Disclosures***



**GASB Statement No. 25 Supplementary Information**

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

Valuation Date:	June 30, 2008
Actuarial Cost Method:	Projected Unit Credit
Amortization method:	Level percent closed
Remaining amortization period:	28 years closed for unfunded actuarial accrued liability, 20 years open for excess.
Asset valuation method:	Smoothed market value
Actuarial assumptions:	
Investment rate of return	8.50%
Projected salary increases*	5.50% - 9.00%
* Includes inflation at	5.50%

Membership data as of June 30, 2008, is indicated in Section Five of this report.

**Note:** GASB Statement No. 25 Supplementary Information is shown individually in the separate reports for each participating unit.

**Analysis of Funding Progress**  
**Excluding Health Insurance Subsidy Beginning June 30, 2008**  
 (see GASB 45 Statement No. 45 Information)

<b>Valuation Date <u>June 30</u></b>	<b>(1) Valuation Value of <u>Assets</u></b>	<b>(2) Actuarial Accrued <u>Liability</u></b>	<b>(3) Percent Funded <u>(1)/(2)</u></b>	<b>(4) Unfunded AAL <u>(2)-(1)</u></b>	<b>(5) Annual Covered <u>Payroll</u></b>	<b>(6) UAAL As a % of <u>Covered Payroll</u></b>
1998	\$3,192,626,934	\$2,743,998,240	116.3%	\$(448,628,694)	\$625,221,566	-
1999	3,709,250,860	3,082,201,971	120.3	(627,048,889)	682,184,396	-
2000	4,260,167,698	3,415,157,151	124.7	(845,010,547)	751,279,788	-
2001	4,661,941,486	3,674,758,173	126.9	(987,183,313)	826,739,742	-
2002	4,684,386,470	4,144,211,267	113.0	(540,175,203)	854,248,911	-
2003	4,781,376,659	4,739,612,765	100.9	(41,763,894)	881,284,717	-
2004	4,774,312,978	5,167,332,630	92.4	393,019,652	911,718,122	43.1
2005	4,886,962,635	5,951,937,046	82.1	1,064,974,411	974,862,717	109.2
2006	4,999,911,405	6,495,012,333	77.0	1,495,100,928	1,073,685,222	139.2
2007	4,829,521,186	7,268,291,485	66.4	2,438,770,299	1,228,037,467	198.6
<b>2008</b>	<b>5,095,645,042</b>	<b>7,405,397,175</b>	<b>68.8</b>	<b>2,309,752,133</b>	<b>1,383,332,020</b>	<b>167.0</b>

**Note:** This information is shown individually in the separate reports for each participating unit.

**Required Supplementary Information  
Schedule of Employer Contributions**

<b>Fiscal Year Ended June 30</b>	<b>Annual Required Contribution</b>	<b>Percent Contributed</b>
1992	\$35,813,576	100.0
1993	41,332,044	100.0
1994	41,197,876	100.0
1995	40,455,946	100.0
1996	46,369,942	100.0
1997	52,469,969	100.0
1998	45,320,932	100.0
1999	44,384,344	100.0
2000	46,890,892	100.0
2001	51,391,526	100.0
2002	51,983,407	100.0
2003	50,800,669	100.0
2004	79,000,130	100.0
2005	104,497,150	100.0
2006	127,218,686	100.0
2007	177,587,507	100.0
2008	233,556,049	100.0
<b>2009</b>	<b>320,213,514</b>	

*Actual required contribution dollar amount will be based on the recommended contribution rate and the actual pensionable payroll for the period.*

*Includes insurance premium tax, where applicable*



## Trend Information

<b>Fiscal Year Ended June 30</b>	<b>Annual Pension Cost</b>	<b><u>Percent Contributed</u></b>	<b><u>Net Pension Obligation</u></b>
1995	\$40,455,946	100.0%	0
1996	46,369,942	100.0	0
1997	52,469,969	100.0	0
1998	45,320,932,	100.0	0
1999	44,384,344,	100.0	0
2000	46,890,892	100.0	0
2001	51,391,526	100.0	0
2002	51,983,407	100.0	0
2003	50,800,669	100.0	0
2004	79,000,130	100.0	0
2005	104,497,150	100.0	0
2006	127,218,686	100.0	0
2007	177,587,507	100.0	0
<b>2008</b>	<b>233,556,049</b>	<b>100.0</b>	<b>0</b>

**GASB Statement 45 Supplementary Information**

The following information is presented concerning the post-retirement health insurance subsidy.

The liabilities and computed contribution for the post-retirement health insurance subsidy were based on the same assumptions and actuarial cost methods as indicated for GASB Statement 25.

**Actuarial Accrued Liability**

<b>Valuation Date <u>June 30</u></b>	<b>(1) Valuation Value of <u>Assets</u></b>	<b>(2) Actuarial Accrued <u>Liability</u></b>	<b>(3) Percent Funded <u>(1)/(2)</u></b>	<b>(4) Unfunded AAL <u>(2)-(1)</u></b>	<b>(5) Annual Covered <u>Payroll*</u></b>	<b>(6) UAAL As a % Of <u>Covered Payroll</u></b>
2006	\$0	\$232,878,379	0.00%	\$232,878,379	\$1,073,685,222	21.69%
2007	0	256,905,578	0.00%	256,905,578	1,228,037,467	20.92
2008	0	257,381,466	0.00%	257,381,466	1,383,332,020	18.61

**Annual Required Contribution**

<b>Fiscal Year Ended <u>June 30</u></b>	<b>Valuation Date <u>June 30</u></b>	<b>(1) Normal <u>Cost</u></b>	<b>(2) Actuarial Accrued <u>Liability</u></b>	<b>(3) Total <u>(1) + (2)</u></b>	<b>(4) <u>Dollar Amount</u></b>
2007	2005	0.53%	1.17%	1.70%	\$21,797,745
2008	2006	0.51	1.00	1.51	\$20,888,314

\*Does not include payroll of members participating in the Deferred Retirement Option Plan (if any).

**Health Insurance Subsidy Payments Reported for FY 07/08:** \$11,823,457.

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