

1601

March 17, 1993

Foster Higgins

Board of Pensions and Retirement
City of Philadelphia
Two Penn Center, 20th Floor
Philadelphia PA 19102

Ladies and Gentlemen:

We respectfully present the results of our July 1, 1992 actuarial valuation of the City of Philadelphia Municipal Retirement System.

The employee data and the financial information used in this report were provided by the City and the Board of Pensions and Retirement. The actuarial valuation report may be used to support contributions to the Retirement System for the fiscal year ending June 30, 1994.

A summary of the results from the actuarial valuation are:

Actuarial Accrued Liability as of July 1, 1992	\$4,425,507,000
Assets as of July 1, 1992 for Valuation Purposes	\$1,981,786,000
Unfunded Actuarial Accrued Liability as of July 1, 1992	\$2,443,721,000

City Normal Cost as a Percent of Payroll for the Year, Assuming Payment is Made at the Beginning of Year:

1967 Plan

Municipal Division	5.837%
Police Division	8.873
Fire Division	8.808

Plan 87

Municipal Division	4.776%
Elected Division	5.121
Police Division	6.476
Fire Division	7.100

Combined Plans

6.600%

The actuarial assumptions underlying these calculations represent the actuary's best estimate of anticipated future experience of the Retirement System and were approved by the Board. There have been no changes in these assumptions since July 1, 1989.

The City's funding policy provides for (i) payment of the normal cost in accordance with the calculations made by the actuary plus (ii) level dollar payments toward amortization of the Dombrowski unfunded actuarial accrued liabilities plus (iii) payments increasing 6.0% per year toward the amortization of the unfunded actuarial accrued liability established on July 1, 1985 plus (iv) level dollar payments toward amortization of any plan changes or actuarial gains and losses which occur after July 1, 1985.

For the year beginning July 1, 1993 and ending June 30, 1994, these requirements provide for the following payments:

**Annual Payment Toward
Unfunded Actuarial Accrued Liability
(Thousands)**

	Payments	
	Beginning of Year	End of Year
Dombrowski Liability	\$ 3,498	\$ 3,813
Initial July 1, 1985 Unfunded Liability		
and Changes Effective July 1, 1985	121,115	132,015
Changes Effective July 1, 1986	(12,275)	(13,380)
Changes Effective July 1, 1987	2,479	2,702
Changes Effective July 1, 1988	12,263	13,367
Changes Effective July 1, 1989	9,706	10,580
Changes Effective July 1, 1990	3,549	3,868
Changes Effective July 1, 1991	(1,037)	(1,130)
Changes Effective July 1, 1992	<u>12,715</u>	<u>13,859</u>
Total Payment	\$152,013	\$165,694

Board of Pensions and Retirement
City of Philadelphia
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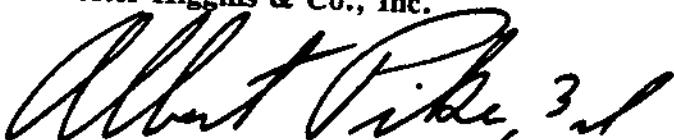
A measure of the funding status is produced from the ratio of the actuarial value of the assets to the actuarial accrued liability. A comparison of this ratio as of July 1, 1991 and July 1, 1992 follows:

	(Thousands)	
	1991	1992
Actuarial Value of Assets	\$1,865,964	\$1,981,786
Actuarial Accrued Liability	\$4,145,396	4,425,507
Funding Ratio	45.0%	44.8%

This report contains supporting data and background material pertinent to the determination of the normal cost and accrued liabilities of the Retirement System.

Respectfully submitted by:

A. Foster Higgins & Co., Inc.



Albert Pike, 3rd, FCA, EA
Principal

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Enclosure

**City of Philadelphia
Municipal Retirement System**

**July 1, 1992
Actuarial Valuation Report**

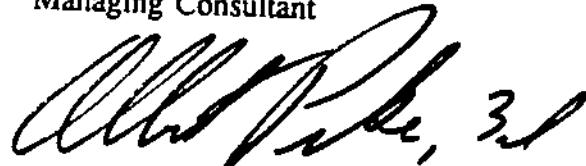
Prepared by:



Lisa A. Beati
Associate



Kenneth A. Kent, ASA, EA
Managing Consultant



Albert Pike, 3rd, FCA, EA
Principal

March 17, 1993
Washington, DC

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1. Summary and Analysis of Findings

This report summarizes the findings of the actuarial valuation and analyzes the change in cost and liabilities as of July 1, 1992 of the City of Philadelphia Municipal Retirement System.

Findings Summary

Table 1 shows actuarial valuation results for all divisions as of July 1, 1992. City contributions for the July 1, 1993 through June 30, 1994 fiscal year will be calculated using these values. The valuation reflects the funding requirements of the Municipal Pension Plan Funding Standard and Recovery Act (Act 205), as amended by Act 189 of 1990.

An arbitration decision dated August 11, 1992 changed plan status for 725 members of District Council 47—Local 2187 from Plan M to Plan J effective on their hire dates. The affected employees must make up the additional employee contributions required for Plan J participation.

The plan amendment increased the unfunded actuarial accrued liability by \$1,082,000 and increased the annual beginning-of-year amortization payment by \$109,000 (\$119,000 end-of-year payment).

Table 1

**July 1, 1992 Actuarial Valuation
(Thousands)**

Participants	
Active	30,687
Retired and Beneficiaries	24,512
Disabled	5,176
Terminated Vested	666
Total	<u>61,041</u>
 Total Annual Salaries	 \$ 993,318
Net Actuarial Accrued Liability	\$ 4,425,507
Assets for Valuation Purposes	\$ 1,981,786
Unfunded Actuarial Accrued Liability	\$ 2,443,721
 City Normal Cost as Percent of Payroll	
<i>Assuming Beginning-of-Year Payment</i>	<i>6.600%</i>
<i>Assuming End-of-Year Payment (with Interest)</i>	<i>7.194%</i>

Section 2 presents more detail on these determinations and contains a comparison of official funding policies and funding standards specified under generally accepted accounting principles, along with the fund's estimated 20-year progress from July 1, 1992 through June 30, 2012.

The report presents the recommended city contribution assuming payment is made at the beginning of the year (July 1, 1993) and, alternatively, at the end of the year (June 30, 1994). The end-of-year payment reflects one year's interest at the valuation rate of 9%. In accordance with our interpretation of Act 189 of 1990, the City is not legally required to pay this interest if the payment is made by June 30, 1994. However, the full year's interest charge must be paid if its contribution is made later than June 30, 1994. This includes interest during the year plus

interest from year-end to date paid. Interest after year-end is the greater of 9% or the 6-month maturity U.S. Treasury Bills discount rate as of June 30, 1994.

If the City contributions are made by June 30, 1994, any interest not paid will be treated as an actuarial loss and be amortized over 15 years.

Change in Normal Cost Rates

Table 2(A) compares the July 1, 1991 valuation and the July 1, 1992 valuation.

Table 2(A)

City Normal Cost Rate Comparison

	<i>July 1, 1991</i>	<i>July 1, 1992</i>	<i>Change</i>
City Normal Cost Rate Assuming Payment at Beginning of Year			
1967 Plan			
Municipal Division	5.843 %	5.837 %	-.006 %
Police Division	8.770	8.873	+.103
Fire Division	8.676	8.808	+.132
Plan 87			
Municipal Division	4.882 %	4.776 %	-.106 %
Elected Officials	5.579	5.121	-.458
Police Division	6.542	6.476	-.066
Fire Division	7.127	7.100	-.027
Total	6.657	6.600 %	-.057 %
Unfunded Actuarial Accrued Liability (Thousands)	\$2,279,432	\$2,443,721	+\$164,289

Normal cost rate changes in Table 2(A) are the result of changes in the covered employees' demographic makeup. The large decrease in the elected officials' normal cost rate is due to a significant change in the employees covered.

In accordance with Act 189 of 1990, to determine the City's normal cost for the year ending June 30, 1994, the July 1, 1992 normal cost rates should be applied to the City's payroll for the year ending June 30, 1993 as estimated when the 1994 fiscal budget is prepared.

Changes in Unfunded Actuarial Accrued Liability

During the period June 30, 1991 through June 30, 1992, the unfunded actuarial accrued liability increased from \$2,279,432,000 to \$2,443,721,000 due to the following reasons:

- ▶ The June 30, 1985 unfunded liability is being amortized with payments increasing 6% per year. Because the payments in earlier years are less than the interest, the schedule results in increases in this unfunded liability each year through 2003, after which it will decrease.
- ▶ The plan amendment changing District Council 47 employees' plan status from Plan M to Plan J increased the unfunded liability by \$1,082,000.
- ▶ Investment return on an adjusted market basis was 7.5%. Because this is less than the assumed 9% rate, there was a loss.
- ▶ Supplemental State aid payments were in addition to required payments, resulting in a gain.
- ▶ Other experience, including a more-than-expected number of retirements among active members and a less-than-expected number of deaths among retired members, was unfavorable, resulting in a loss.

These factors resulted in changes as illustrated in Table 2(B).

Table 2(B)

Unfunded Liability
(Thousands)

1991 Unfunded Liability	\$ 2,279,432
Change due to:	
Payment schedule	61,672
Plan change	1,082
Investment return	29,528
Supplemental State aid	(13,886)
Other actuarial experience	<u>85,893</u>
1992 Unfunded Liability	\$ 2,443,721

Funding Method

Act 205 requires the unfunded actuarial accrued liability be funded in annual level dollar payments. Because the City of Philadelphia is classified as a Distress Level III municipality, it is exempt from this requirement with respect to unfunded liabilities as of July 1, 1985 and amortizes the unfunded actuarial accrued liability as follows: The remaining July 1, 1985 unfunded actuarial accrued liability (net of the Dombrowski class action obligation) is amortized over 40 years ending June 30, 2019 in annual payments increasing 6% per year.

Changes in the actuarial accrued liability realized after July 1, 1985 are amortized in level dollar payments over the years shown:

- Changes in actuarial assumptions – 20 years
- Experience gains and losses – 15 years
- Active members' benefit modifications – 20 years
- Nonactive members' benefit modifications – 10 years.

This valuation determines the City's fiscal year ending June 30, 1994 contribution requirements. The unfunded actuarial accrued liability is adjusted from July 1, 1992 to July 1, 1993 to recognize the one-year delay in report findings. Table 3 summarizes the unfunded actuarial accrued liability payment derivation for the fiscal year ending June 30, 1994.

Table 3

**Total Annual Payment
Toward the Unfunded Actuarial Accrued Liability
for Fiscal Year Ending June 30, 1994
(Thousands)**

	<i>Beginning-of- Year Payments</i>	<i>End-of-Year Payments</i>
1. Expected fiscal 1994 payment based on July 1, 1992 actuarial valuation		
a. Dombrowski	\$ 3,498	\$ 3,813
b. Remaining	<u>135,800</u>	<u>148,022</u>
c. Subtotal	<u>\$139,298</u>	<u>\$ 151,835</u>
2. Changes in payment based on July 1, 1992 actuarial valuation		
a. (Gains)/Losses (15-year amortization)	\$ 12,596	\$ 13,730
b. Plan change (20-year amortization)	<u>119</u>	<u>129</u>
c. Subtotal	<u>\$ 12,715</u>	<u>\$ 13,859</u>
3. Total annual payment for fiscal 1994 based on July 1, 1992 valuation (1c) + (2c)	\$152,013	\$ 165,694

Total Contributions

The resulting estimated City contributions for year ending June 30, 1994 are illustrated in Tables 4(A) and 4(B).

Table 4(A)

1994 City Contributions
(Thousands)

	Beginning of Year	End of Year
Normal cost	\$ 65,559 ^a	\$ 71,459 ^a
Amortization payments	<u>152,013</u>	<u>165,694</u>
Total	\$ 217,572 ^b	\$ 237,153 ^b

- a. Based on July 1, 1992 payroll. Actual normal cost will be based on estimated fiscal year 1993 payroll.
- b. The City may use general State aid and State cost-of-living reimbursements to meet this commitment. For fiscal year 1993, these totaled \$35,082,000. Supplemental State aid (\$6,518,000 in fiscal year 1993) may not be used as part of this commitment.

Table 4(B)

Employee Contribution Rates
Effective July 1, 1993

	Municipal	Elected	Police	Fire
1967 Plan	3.75%	—	6.00%	6.00%
Plan 87	2.05%	7.88%	5.00%	5.00%

- c. 6.00% on wages over the Social Security maximum taxable wagebase — \$57,600 in 1993.

For Plan 87, municipal employees are to contribute 30% of the gross normal cost. Police and firefighters are to contribute 5% of pay, but not less than 30% or more than 50% of gross normal cost. Elected officials will contribute 30% of the municipal plan calculated

gross normal cost plus 100% of the gross normal cost due to additional benefits payable under the elected officials plan. The rates should go into effect July 1, 1993.

Other Report Sections

Section 3 presents supporting tables, including employee age/service scatter charts along with salaries by age and service groupings. In addition, there are tables of current pension amounts by age.

Section 4 summarizes financial information used in the valuation, including a statement of assets at cost and market value and a statement of receipts and disbursements for the fiscal year ending June 30, 1992 as well as the development of the actuarial asset valuation.

Section 5 presents the Retirement System's salient features reflected in the valuation determinations.

Section 6 presents the actuarial cost method, factors, and assumptions used to determine costs and liabilities.

Section 7 presents the actuarial present value of projected benefit obligation according to GASB Statement No. 5. This section reflects a measurement of the accrued benefits for the Retirement System as of July 1, 1992 and compares the value of these accrued benefits to the cost value of the fund.

2. Cost Derivation

This section develops the Retirement System's costs. Cost estimates have been determined using the entry age actuarial cost method. The cost estimates derived in this actuarial valuation will be used as the basis for pension costs for the fiscal year ending June 30, 1994. Pension costs consist of the normal cost and the unfunded actuarial accrued liability amortization payment.

Derivation of Normal Cost

The normal cost is the sum of the individual normal costs determined for each member assuming the plan always existed and the actuarial assumptions underlying the cost determinations are exactly realized. Benefits payable under every circumstance (retirement, death, disability, and termination) are included in the calculations. Anticipated employee contributions to be made during the year are subtracted from this normal cost to determine the City's normal cost. The City's normal cost is divided by total payroll to determine the normal cost as a percent of pay for each division and the entire Retirement System.

Derivation of the Unfunded Actuarial Accrued Liability

The actuarial accrued liability is the sum of the actuarial present value of all normal costs that would have accumulated if the assumed normal cost had always been contributed in the past and the actuarial assumptions had been exactly realized.

The valuation assets are determined as of July 1, 1992 on an actuarial asset method that spreads investment experience over a 5-year period to minimize the investment volatility on the Retirement System's cost. Specifically, the method adopted measures gains or losses against the assumed 9% investment yield, recognizing one-fifth of the gain or loss over 5 years prospectively.

The unfunded actuarial accrued liability is the accrued liability less the fund's assets at valuation date.

Experience gains and losses is the difference between the expected unfunded actuarial accrued liability and the actual unfunded actuarial accrued liability (determined in the preceding paragraphs) calculated at the valuation date.

The portion of the unfunded actuarial accrued liability attributable to the Dombrowski class action suit is amortized in level dollar payments over 40 years ending June 30, 2009. The remaining July 1, 1985 unfunded actuarial accrued liability is amortized over 40 years ending

June 30, 2019 in annual payments increasing 6.0% per year. Changes in the actuarial accrued liability realized after July 1, 1985 are amortized in level dollar payments over the following years according to Act 205:

- Changes in actuarial assumptions – 20 years
- Experience gains and losses – 15 years
- Active members' benefit modifications – 20 years
- Nonactive members' benefit modifications – 10 years

A detailed analysis of the derivation of plan costs is presented in Tables 5 through 15.

Table 16 projects the annual payments to fund the anticipated unfunded actuarial accrued liability through fiscal year ending June 30, 2019.

Table 5

July 1, 1992 Derivation of Normal Cost
(Dollars in Thousands)

	1987 Plan			Plan 87				Total
	Municipal	Police	Fire	Municipal	Elected	Police	Fire	
1. Number of Active Members	20,344	4,867	1,918	1,739	22	1,491	306	30,687
2. Total Normal Cost								
a. Service Retirement	\$ 34,780	\$ 18,722	\$ 7,254	\$ 1,908	\$ 152	\$ 3,042	\$ 649	\$ 66,508
b. Preretirement Death	4,209	1,167	461	275	13	254	58	6,437
c. Disability Retirement	5,834	4,199	1,625	281	11	989	229	13,168
d. Vested Termination	8,654	1,187	491	517	8	947	194	11,998
e. Refund of Nonvested Members' Contributions	4,273	933	395	188	10	288	56	6,142
f. Health Care Benefit	0	26	11	0	0	5	1	.43
g. Administrative Expenses	<u>2,577</u>	<u>906</u>	<u>348</u>	<u>116</u>	<u>1</u>	<u>99</u>	<u>20</u>	<u>4,068</u>
h. Total	\$ 60,326	\$ 27,140	\$ 10,585	\$ 3,286	\$ 195	\$ 5,624	\$ 1,207	\$ 108,363
3. Expected Employee Contributions	\$ 23,513	\$ 10,949	\$ 4,289	\$ 986	\$ 118	\$ 2,450	\$ 499	\$ 42,804
4. City Normal Cost (2h) - (3)	\$ 36,813	\$ 16,191	\$ 6,296	\$ 2,300	\$ 77	\$ 3,174	\$ 708	\$ 65,559
5. Current Total Annual Payroll	\$ 630,711	\$ 182,477	\$ 71,486	\$ 48,158	\$ 1,499	\$ 49,008	\$ 9,979	\$ 993,318
6. City Normal Cost as a Percent of Pay Assuming Payment at Beginning of Year (4) ÷ (5)	5.837%	8.873%	8.808%	4.776%	5.121%	6.476%	7.100%	6.600%
7. City Normal Cost as a Percent of Pay Assuming Payment at End of Year (6) x 1.09	6.362%	9.672%	9.601%	5.206%	5.582%	7.059%	7.739%	7.194%

Note: Numbers may not add due to rounding.

Table 6

**Derivation of Unfunded Actuarial
Accrued Liability as of July 1, 1992
(Dollars in Thousands)**

	<i>1987 Plan</i>		<i>Plan 87</i>		<i>Total</i>	
	<i>Municipal</i>	<i>Police</i>	<i>Fire</i>	<i>Municipal</i>	<i>Elected</i>	
1. Number of Members						
a. Active				20,344	4,867	
b. Retired				15,614	6,241	30,687
c. Disabled				2,141	2,401	24,512
d. Terminated Vested				564	89	5,176
e. Total				<u>38,663</u>	<u>13,598</u>	<u>666</u>
2. Total Annual Benefits						
a. Retired				\$ 129,876	\$ 76,947	\$ 238,486
b. Disabled				21,285	33,062	63,913
c. Terminated Vested				<u>5,382</u>	<u>787</u>	<u>6,263</u>
d. Total				<u>\$ 156,543</u>	<u>\$ 41,323</u>	<u>\$ 308,682</u>
3. Present Value of Benefits						
a. Active Members						
Service Retirement	\$ 1,164,843	\$ 640,703	\$ 270,100	\$ 24,572	\$ 4,043	\$ 8,939
Prestirement Death	115,034	27,698	11,359	3,604	295	3,587
Disability Retirement	148,249	83,647	33,196	3,892	286	13,887
Vested Termination	200,670	13,054	4,060	7,071	176	13,944
Refund of Nonvested						2,732
Members' Contributions	10,249	947	211	2,049	15	4,019
Health Care Benefit	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Subtotal	<u>\$ 1,639,045</u>	<u>\$ 766,472</u>	<u>\$ 319,106</u>	<u>\$41,189</u>	<u>\$4,815</u>	<u>\$79,540</u>
b. Nonactive Members						
Service Retired	\$1,000,362	\$ 665,557	\$ 255,524	\$ 0	\$ 0	\$ 0
Disabled	157,210	279,534	80,263	0	0	0
Terminated Vested	26,528	6,276	750	0	0	0
Nonvested Members'						33,555
Contributions	779	48	11	0	0	838
Health Care Benefit	<u>0</u>	<u>2,095</u>	<u>435</u>	<u>0</u>	<u>0</u>	<u>2,529</u>
Subtotal	<u>\$1,184,879</u>	<u>\$ 953,510</u>	<u>\$336,982</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$2,475,371</u>
c. Total	<u>\$2,823,924</u>	<u>\$1,719,982</u>	<u>\$656,088</u>	<u>\$41,189</u>	<u>\$4,815</u>	<u>\$79,540</u>
Note:	Numbers may not add due to rounding.					

Table 6 (Continued)

Derivation of Unfunded Actuarial
Accrued Liability as of July 1, 1992
(Thousands)

	1967 Plan		1987 Plan	
	Municipal	Police	Fire	Municipal
	Elected	Police	Fire	Total
4. Present Value of Future Normal Costs				
a. Service Retirement	\$ 301,317	\$ 148,608	\$ 52,746	\$19,067
b. Preretirement Death	38,858	9,240	3,346	2,870
c. Disability Retirement	53,581	33,251	11,813	3,089
d. Vested Termination	85,257	9,345	3,422	5,603
e. Refund of Nonvested Members' Contributions				70
f. Health Care Benefit	38,833	7,002	2,682	1,803
g. Total	<u>\$ 317,846</u>	<u>\$ 202</u>	<u>\$ 78</u>	<u>\$ 0</u>
5. Actuarial Accrued Liability				
(j) - (q)				
b. Active Members				
Service Retirement	\$ 863,525	\$ 492,094	\$ 217,354	\$ 5,506
Preretirement Death	76,176	18,459	8,013	734
Disability Retirement	94,668	50,396	21,382	802
Vested Termination	115,413	3,709	638	1,468
Refund of Nonvested Members' Contributions	(28,583)	(6,055)	(2,471)	246
Health Care Benefit				(56)
Subtotal	<u>\$ 1,121,199</u>	<u>\$ 221</u>	<u>\$ 102</u>	<u>\$ 0</u>
b. Nonactive Members				
Service Retired	\$1,000,362	\$ 665,557	\$ 255,324	\$ 0
Disabled	157,210	279,534	80,263	0
Terminated Vested Nonvested Members'	26,528	6,216	750	0
Contributions				0
Health Care Benefit	779	48	11	0
Subtotal	<u>\$ 1,184,879</u>	<u>\$ 2,093</u>	<u>\$ 435</u>	<u>\$ 0</u>
c. Total	\$2,306,078	\$1,512,334	\$ 582,001	\$ 8,756

Note: Numbers may not add due to rounding.

Table 6 (Continued)

**Derivation of Unfunded Actuarial
Accrued Liability as of July 1, 1992**
(Thousands)

	1987 Plan A			Plan B		
	Municipal	Police	Fire	Municipal	Elected	Police
6. Assets for Valuation Purposes	\$1,083,212	\$ 610,660	\$ 254,787	\$11,205	\$ 683	\$ 17,579
7. Unfunded Actuarial Accrued Liability (Sec. - (6))	\$1,222,866	\$ 901,674	\$ 327,215	\$(2,450)	\$2,537	\$ (6,640)

Note: Numbers may not add due to rounding.

Table 7

**Development of the Expected Unfunded Actuarial
Accrued Liability for Fiscal Year Ending June 30, 1994**
(Thousands)

	1997 Plan			Plan 87		
	Municipal	Police	Fire	Municipal	Elected	Total
1. Expected July 1, 1992 Unfunded Actuarial Accrued Liability based on July 1, 1991 Valuation	\$1,121,524	\$901,733	\$327,104	\$ (3,958)	\$1,701	\$ (5,967)
2. Changes in July 1, 1992 Unfunded Actuarial Accrued Liability Due to						
a. Actuarial Experience	\$ 100,260	\$ (59)	\$ 111	\$ 1,508	\$ 836	\$ (673)
b. Plan Amendment	<u>1,082</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,082</u>
c. Subtotal	\$ 101,343	\$ (59)	\$ 111	\$ 1,508	\$ 836	\$ (673)
3. Actual Unfunded Actuarial Accrued Liability July 1, 1992						
$(1) + (2c)$	\$1,222,866	\$901,674	\$327,215	\$ (2,450)	\$2,537	\$ (6,640)
4. Expected Changes in Unfunded Actuarial Accrued Liability from July 1, 1992 to July 1, 1993:						
a. Interest $.09 \times (2c)$	\$ 9,121	\$ (5)	\$ 10	\$ 136	\$ 75	\$ (61)
b. Increase in Unfunded Actuarial Accrued Liability from July 1, 1992 to July 1, 1993 Accord- ing to Amortization Schedule Per 1992 Valuation Report	<u>40,984</u>	<u>16,762</u>	<u>8,240</u>	<u>155</u>	<u>230</u>	<u>39</u>
c. Subtotal	\$ 50,105	\$ 16,757	\$ 8,250	\$ 291	\$ 1	\$ 169
5. Expected July 1, 1993 Unfunded Actuarial Accrued Liability						
$(3) + (4c)$	\$1,272,971	\$918,431	\$335,465	\$ (2,159)	\$2,538	\$ (6,471)

Note: Numbers may not add due to rounding.

Table 9

**Development of Municipal Division (1967 Plan) Annual End-of-Year Payment Toward the
Unfunded Actuarial Accrued Liability for Fiscal Year Ending June 30, 1994
(Thousands)**

	<i>Oustanding Balance July 1, 1992</i>	<i>Fiscal Year Ending June 30, 1994</i>		<i>Annual End-of-Year Payment*</i>
		<i>Expected Balance July 1, 1993</i>	<i>Amortization Period Remaining</i>	
1.	Expected July 1, 1992 Unfunded Actuarial Accrued Liability based on July 1, 1991 valuation			
a.	Dombrowski	\$ 17,195	\$ 16,730	16 \$ 2,013
b.	Remaining	<u>1,104,328</u>	<u>1,145,778</u>	<u>—</u>
c.	Subtotal	\$ 1,121,524	\$ 1,162,508	<u>61,877*</u>
2.	Changes in Unfunded Actuarial Accrued Liability, July 1, 1992			
a.	(Gains)Losses	\$ 100,260	\$ 109,284	15 \$ 13,558
b.	Plan Change	<u>1,082</u>	<u>1,180</u>	<u>20</u>
c.	Subtotal	\$ 101,343	\$ 110,464	<u>—</u>
3.	Total (1c) + (2c)	\$ 1,222,866	\$ 1,272,971	\$ 77,576

Note: Numbers may not add due to rounding.

- a. Includes interest at 9% to year-end.
- b. Payments towards unfunded liability as of July 1, 1985, increasing at 6% per year. All other payments are level dollar amounts.

Table 9

**Development of Police Division (1967 Plan) Annual End-of-Year Payment Toward the
Unfunded Actuarial Accrued Liability for Fiscal Year Ending June 30, 1994
(Thousands)**

	<i>Oustanding Balance July 1, 1992</i>	<i>Fiscal Year Ending June 30, 1994</i>		<i>Annual End-of-Year Payment^a</i>
		<i>Expected Balance July 1, 1993</i>	<i>Amortization Period Remaining</i>	
1.				
Expected July 1, 1992 Unfunded Actuarial Accrued Liability based on July 1, 1991 valuation				
a.	\$ 11,000	\$ 10,702	16	\$ 1,287
b.	<u>890,734</u>	<u>907,793</u>	—	<u>65,165^b</u>
c.	\$ 901,733	\$ 918,495	—	\$ 66,922
2.				
Changes in Unfunded Actuarial Accrued Liability, July 1, 1992				
a.	\$ (59)	\$ (64)	15	\$ (8)
b.	<u>Plan Change</u>	<u>0</u>	—	<u>0</u>
c.	\$ (59)	\$ (64)	—	\$ (8)
Total (1c) + (2c)	\$ 901,674	\$ 918,431	—	\$ 66,914

Note: Numbers may not add due to rounding.

- a. Includes interest at 9% to year-end.
- b. Payments towards unfunded liability as of July 1, 1985, increasing at 6% per year. All other payments are level dollar amounts.

Table 10

**Development of Fire Division (1967 Plan) Annual End-of-Year Payment Toward the
Unfunded Actuarial Accrued Liability for Fiscal Year Ending June 30, 1994
(Thousands)**

	<i>Oustanding Balance July 1, 1992</i>	<i>Fiscal Year Ending June 30, 1994</i>		<i>Annual End-of-Year Payments</i>
		<i>Expected Balance July 1, 1993</i>	<i>Amortization Period Remaining</i>	
1. Expected July 1, 1992 Unfunded Actuarial Accrued Liability based on July 1, 1991 valuation				
a. Dombrowski	\$ 4,380	\$ 4,262	16	\$ 513
b. Remaining	<u>322,724</u>	<u>331,083</u>	—	<u>21,695^b</u>
c. Subtotal	\$ 327,104	\$ 335,344	—	\$ 22,207
2. Changes in Unfunded Actuarial Accrued Liability, July 1, 1992				
a. (Gains)/Losses*	\$ 111	\$ 121	15	\$ 15
b. Plan Change	<u>0</u>	<u>0</u>	—	<u>0</u>
c. Subtotal	\$ 111	\$ 121	15	\$ 15
3. Total (1c) + (2c)	\$ 327,215	\$ 335,465	—	\$ 22,222

Note: Numbers may not add due to rounding.

- * Includes interest at 9% to year-end.
- b. Payments towards unfunded liability as of July 1, 1985, increasing at 6% per year. All other payments are level dollar amounts.

Table 11

**Development of Municipal Division (Plan 87) Annual End-of-Year Payment Toward the
Unfunded Actuarial Accrued Liability for Fiscal Year Ending June 30, 1994
(Thousands)**

	<i>Outstanding Balance July 1, 1992</i>	<i>Fiscal Year Ending June 30, 1994</i>		<i>Annual End-of-Year Payment*</i>
		<i>Expected Balance July 1, 1993</i>	<i>Annuization Period Remaining</i>	
1. Expected July 1, 1992 Unfunded Actuarial Accrued Liability based on July 1, 1991 valuation	\$ (3,958)	\$ (3,803)	—	\$ (511)
2. Changes in Unfunded Actuarial Accrued Liability, July 1, 1992				
a. (Gains)/Losses	\$ 1,508	\$ 1,644	15	\$ 204
b. Plan Change	— 0	— 0	—	— 0
c. Subtotal	\$ 1,508	\$ 1,644	\$ 204	
3. Total (1) + (2c)	\$ (2,450)	\$ (2,159)	\$ (307)	

Note: Numbers may not add due to rounding.

- a. Includes interest at 9% to year-end.

Table 12

**Development of Elected Division (Plan #7) Annual End-of-Year Payment Toward the
Unfunded Actuarial Accrued Liability for Fiscal Year Ending June 30, 1994
(Thousands)**

	<i>Outstanding Balance</i> <i>July 1, 1992</i>	<i>Fiscal Year Ending June 30, 1994</i>		<i>Annual End-of-Year Payment*</i>
		<i>Expected Balance</i> <i>July 1, 1993</i>	<i>Amortization Period Remaining</i>	
1. Expected July 1, 1992 Unfunded Actuarial Accrued Liability based on July 1, 1991 valuation	\$ 1,701	\$ 1,627	—	\$ 227
2. Changes in Unfunded Actuarial Accrued Liability, July 1, 1992				
a. (Gains)/Losses	\$ 836	\$ 911	15	\$ 113
b. Plan Change	— 0	— 0	—	— 0
c. Subtotal	\$ 836	\$ 911	\$ 113	
3. Total (1) + (2c)	\$ 2,537	\$ 2,538	—	\$ 340

Note: Numbers may not add due to rounding.

- a. Includes interest at 9% to year-end.

Table 13

**Development of Police Division (Plan 87) Annual End-of-Year Payment Toward the
Unfunded Actuarial Accrued Liability for Fiscal Year Ending June 30, 1994
(Thousands)**

	<i>Outstanding Balance July 1, 1992</i>	<u>Fiscal Year Ending June 30, 1994</u>		<i>Annual End-of-Year Payment^a</i>
		<i>Expected Balance July 1, 1993</i>	<i>Amortization Period Remaining</i>	
1. Expected July 1, 1992 Unfunded Actuarial Accrued Liability based on July 1, 1991 valuation	\$ (5,967)	\$ (5,737)	—	\$ (767)
2. Changes in Unfunded Actuarial Accrued Liability, July 1, 1992				
a. (Gains)/Losses	\$ (673)	\$ (734)	15	\$ (91)
b. Plan Change	—	—	—	—
c. Subtotal	\$ (673)	\$ (734)	\$ (91)	
3. Total (1) + (2c)	\$ (6,640)	\$ (6,471)	—	\$ (858)

Note: Numbers may not add due to rounding.

^a Includes interest at 9% to year-end.

Table 14

**Development of Fire Division (Plan #7) Annual End-of-Year Payment Toward the
Unfunded Actuarial Accrued Liability for Fiscal Year Ending June 30, 1994
(Thousands)**

	<i>Oustanding Balance July 1, 1992</i>	<i>Fiscal Year Ending June 30, 1994</i>		<i>Annual End-of-Year Payment^a</i>
		<i>Expected Balance July 1, 1993</i>	<i>Amortization Period Remaining</i>	
1. Expected July 1, 1992 Unfunded Actuarial Accrued Liability based on July 1, 1991 valuation	\$ (1,033)	\$ (993)	—	\$ (133)
2. Changes in Unfunded Actuarial Accrued Liability, July 1, 1992				
a. (Gains)/Losses	\$ (448)	\$ (489)	15	\$ (61)
b. Plan Change	— 0	— 0	—	— 0
c. Subtotal	\$ (448)	\$ (489)	\$ (61)	
3. Total (1) + (2c)	\$ (1,481)	\$ (1,482)	—	\$ (193)

Note: Numbers may not add due to rounding.

- a.* Includes interest at 9% to year-end.

Table 15

**Development of Total Division Annual End-of-Year Payment Toward the
Unfunded Actuarial Accrued Liability for Fiscal Year Ending June 30, 1994
(Thousands)**

	<i>Outstanding Balance July 1, 1992</i>	<i>Fiscal Year Ending June 30, 1994</i>		<i>Annual End-of-Year Payment*</i>
		<i>Expected Balance July 1, 1993</i>	<i>Authorization Period Remaining</i>	
1. Expected July 1, 1992 Unfunded Actuarial Accrued Liability based on July 1, 1991 valuation				
a. Dombrowski	\$ 32,575	\$ 31,694	16	\$ 3,813
b. Remaining	<u>2,308,529</u>	<u>2,375,747</u>	—	<u>148,022^b</u>
c. Subtotal	\$ 2,341,104	\$ 2,407,441	—	\$ 151,835
2. Changes in Unfunded Actuarial Accrued Liability as of July 1, 1992				
a. (Gains)/Losses	\$ 101,535	\$ 110,673	15	\$ 13,730
b. Plan Change	<u>1,082</u>	<u>1,180</u>	20	<u>129</u>
c. Subtotal	\$ 102,617	\$ 111,853		\$ 13,859
3. Total <i>(1c) + (2c)</i>	\$ 2,443,721	\$ 2,519,293	—	\$ 165,694

Note: Numbers may not add due to rounding.

- * Includes interest at 9% to year-end.
- b. Payments towards unfunded liability as of July 1, 1985, increasing at 6% per year. All other payments are level dollar amounts.

Table 16

**Schedule of Annual Payments to Fund the
Anticipated July 1, 1993 Unfunded Actuarial Accrued Liability
(Dollars in Thousands)**

Fiscal Year Ending June 30	Annual End-of-Year Payment						Progress of Unfunded Actuarial Accrued Liability	Annual Payments as a Percent of Payroll			
	1992 Plan	Municipal	Police	Fire	1993 Plan	Municipal	Elected	Police	Fire	Total	
1993	N/A	N/A	N/A	N/A	\$ 2,519,293	\$ 993,318	N/A	N/A	N/A	\$ 2,519,293	15.7%
1994	\$ 77,576	\$ 66,914	\$ 22,222	\$ (307)	\$ 340	\$ (858)	\$ (193)	\$ 165,694	\$ 2,580,335	1,052,917	15.7%
1995	81,749	69,594	23,291	(307)	340	(858)	(193)	173,616	2,638,949	1,116,092	15.6%
1996	86,171	72,434	24,424	(307)	340	(858)	(193)	182,011	2,694,443	1,183,058	15.4%
1997	90,839	75,445	25,625	(307)	340	(858)	(193)	190,911	2,746,032	1,254,041	15.2%
1998	95,389	78,095	26,690	(307)	340	(858)	(193)	199,156	2,794,019	1,329,284	15.0%
1999	100,656	81,477	28,039	(307)	340	(858)	(193)	209,154	2,816,327	1,409,041	14.8%
2000	106,240	83,063	29,469	(307)	340	(858)	(193)	219,754	2,871,842	1,493,583	14.7%
2001	112,158	83,666	28,887	(307)	340	(858)	(193)	223,693	2,905,615	1,583,198	14.1%
2002	118,432	87,695	30,494	(307)	340	(858)	(193)	225,603	2,932,607	1,678,190	14.0%
2003	134,050	95,986	34,326	(307)	340	(858)	(193)	263,344	2,913,198	1,778,881	14.8%
2004	141,050	98,337	35,684	(307)	340	(866)	(212)	274,026	2,923,160	1,885,614	14.5%
2005	141,877	97,102	36,867	(208)	192	(860)	(186)	274,844	2,911,400	1,998,751	13.8%
2006	150,468	98,544	37,698	(139)	203	(752)	(157)	285,865	2,887,561	2,118,676	13.5%
2007	165,184	94,781	38,039	52	204	(239)	(84)	297,937	2,849,504	2,245,797	13.3%
2008	172,425	102,041	40,820	177	109	(94)	(61)	315,417	2,790,542	2,380,544	13.2%
2009	168,300	108,107	43,221	(27)	(4)	(3)	(1)	319,593	2,772,098	2,523,377	12.7%
2010	176,287	113,242	45,270	(27)	(4)	(3)	(1)	334,764	2,632,323	2,674,780	12.5%
2011	187,384	120,265	47,969	0	0	0	0	355,618	2,513,614	2,835,266	12.5%
2012	198,619	127,481	50,847	0	0	0	0	376,947	2,362,892	3,005,382	12.5%
2013	210,528	135,130	53,898	0	0	0	0	399,556	2,175,996	3,185,705	12.5%
2014	223,023	143,238	57,132	0	0	0	0	421,393	1,948,443	3,376,848	12.5%
2015	236,405	151,832	60,560	0	0	0	0	448,797	1,675,006	3,579,459	12.5%
2016	250,589	160,942	64,193	0	0	0	0	475,724	1,350,033	3,794,226	12.5%
2017	265,624	170,599	68,045	0	0	0	0	504,268	967,268	4,021,880	12.5%
2018	281,562	180,834	72,128	0	0	0	0	534,524	519,798	4,263,192	12.5%
2019	298,455	191,685	76,455	0	0	0	0	566,595	0	4,518,984	12.5%

Note: Numbers may not add due to rounding.

GAAP Funding Requirements Comparison

The GAAP specified standards require the unfunded actuarial accrued liability be funded over 40 years in level dollar payments. The City-adopted funding policy requires the July 1, 1985 unfunded actuarial accrued liability be amortized over 40 years ending June 30, 2019 with payments increasing 6.0% per year. Changes in the actuarial accrued liability realized after July 1, 1985 are amortized in level dollar payments in accordance with Act 205 as follows:

- Changes in actuarial assumptions – 20 years
- Experience gains and losses – 15 years
- Active members' benefit modifications – 20 years
- Nonactive members' benefit modifications – 10 years.

The Dombrowski unfunded actuarial accrued liability is amortized in level dollar payments over 40 years ending June 30, 2009, as ordered by the Court of Common Pleas of Philadelphia County.

Table 17 compares the City's funding policy to amortize the unfunded actuarial accrued liability with the GAAP-specified funding standards.

For Table 17, the anticipated July 1, 1981 unfunded actuarial accrued liability was the starting point. Adjustments resulting from benefit modifications, changes in assumptions, funding method, and/or actuarial experience recognized in subsequent valuations are reflected.

Under GAAP standards, adjustments determined under subsequent valuations are amortized over a 40-year period from when first recognized.

Table 17 shows the annual and accumulated *deficit* between the funding policies of the City and those under GAAP. Because the City's funding policy results in the complete amortization of the unfunded actuarial accrued liability, the accumulated deficit between the City's funding policy and GAAP decreases to \$0 at the end of the last 40-year GAAP amortization period.

Table 17

**Comparison of Official Unfunded Accrued Liability Funding
With Funding Under the Provisions of APB No. 8
(Thousands)**

Fiscal Year Ending June 30	Schedule of Annual End-of-Year Payments to Fund the Anticipated July 1, 1993 Unfunded Accrued Liability										Comparison of Official Schedule and 40-Year Amortization Under GAAP			
	Unfunded Accrued Liability 1967 Plan					Unfunded Accrued Liability Plan 87					GAAP 40-Year Amorti- zation	GAAP Deficit	Accumulated Deficit	
	Municipal	Police	Fire	Municipal	Elected	Police	Fire	Total						
1982	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$ 68,257	\$ 136,206	\$ 67,950	\$ 67,950			
1983	N/A	N/A	N/A	N/A	N/A	N/A	N/A	72,118	136,206	64,088	138,153			
1984	N/A	N/A	N/A	N/A	N/A	N/A	N/A	73,696	130,870	57,173	207,761			
1985	N/A	N/A	N/A	N/A	N/A	N/A	N/A	77,912	130,870	52,958	279,417			
1986	N/A	N/A	N/A	N/A	N/A	N/A	N/A	84,717	125,707	40,989	345,554			
1987	N/A	N/A	N/A	N/A	N/A	N/A	N/A	95,276	136,909	41,633	418,287			
1988	N/A	N/A	N/A	N/A	N/A	N/A	N/A	88,533	129,411	40,878	496,810			
1989	N/A	N/A	N/A	N/A	N/A	N/A	N/A	96,819	131,435	34,616	576,139			
1990	N/A	N/A	N/A	N/A	N/A	N/A	N/A	116,105	141,451	25,346	653,338			
1991	N/A	N/A	N/A	N/A	N/A	N/A	N/A	132,959	148,192	15,233	727,372			
1992	N/A	N/A	N/A	N/A	N/A	N/A	N/A	143,477	151,090	7,613	800,448			
1993	N/A	N/A	N/A	N/A	N/A	N/A	N/A	144,362	150,243	5,880	878,369			
1994	\$ 77,576	\$ 66,914	\$ 22,222	\$ (307)	\$ 340	\$ (858)	\$ (193)	165,694	160,641	(5,054)	952,368			
1995	81,749	69,594	23,291	(307)	340	(858)	(193)	173,615	160,641	(12,975)	1,025,107			
1996	86,171	72,434	24,424	(307)	340	(858)	(193)	182,011	160,641	(21,371)	1,095,995			
1997	90,859	75,445	25,625	(307)	340	(858)	(193)	190,911	160,641	(30,271)	1,164,364			
1998	95,389	78,095	26,690	(307)	340	(858)	(193)	199,155	160,641	(38,515)	1,230,642			
1999	100,656	81,477	28,039	(307)	340	(858)	(193)	209,154	160,641	(48,513)	1,292,887			
2000	106,240	85,063	29,469	(307)	340	(858)	(193)	219,754	160,641	(59,113)	1,350,134			
2001	112,158	83,666	28,887	(307)	340	(858)	(193)	223,693	160,641	(63,052)	1,408,594			
2002	118,432	87,695	30,494	(307)	340	(858)	(193)	235,603	160,641	(74,962)	1,460,405			
2003	134,050	95,986	34,326	(307)	340	(858)	(193)	263,344	160,641	(102,704)	1,489,138			
2004	141,050	98,337	35,684	(307)	340	(866)	(212)	274,026	160,641	(113,385)	1,509,775			
2005	141,877	97,102	36,867	(208)	192	(800)	(186)	274,844	160,641	(114,204)	1,531,451			
2006	150,468	98,544	37,698	(139)	203	(752)	(157)	285,866	160,641	(125,226)	1,544,056			
2007	165,184	94,781	38,039	52	204	(239)	(84)	297,937	160,641	(137,296)	1,545,725			
2008	172,425	102,041	40,820	177	109	(94)	(61)	315,415	160,641	(154,775)	1,580,066			
2009	168,300	108,107	43,221	(27)	(4)	(1)	(1)	319,594	160,641	(158,953)	1,508,818			
2010	176,287	113,242	45,270	(27)	(4)	(3)	(1)	334,764	160,641	(174,123)	1,470,489			
2011	187,384	120,265	47,969	0	0	0	0	355,618	160,641	(194,977)	1,407,855			

Table 17 (Continued)

**Comparison of Official Unfunded Accrued Liability Funding
With Funding Under the Provisions of APB No. 8**
(Thousands)

Fiscal Year Ending June 30	Schedule of Annual End-of-Year Payments to Fund the Anticipated July 1, 1993 Unfunded Accrued Liability						Comparison of Official Schedule and 40-Year Amortization Under GAAP			
	Unfunded Accrued Liability 1967 Plan			Unfunded Accrued Liability Plan 87			GAAP Amortization	GAAP Deficit	Accumulated Deficit	
	Municipal	Police	Fire	Municipal	Elected	Police	Fire	Total		
2012	\$ 198,619	\$ 127,481	\$ 50,847	\$ 0	\$ 0	\$ 0	\$ 0	\$ 376,947	\$ 160,641	\$ 216,307
2013	210,528	135,130	53,898	0	0	0	0	399,556	160,641	238,916
2014	223,023	143,238	57,132	0	0	0	0	421,393	160,641	262,752
2015	236,405	151,832	60,560	0	0	0	0	448,796	160,641	288,156
2016	250,589	160,942	64,193	0	0	0	0	475,724	160,641	315,084
2017	265,624	170,599	68,045	0	0	0	0	504,258	160,641	343,627
2018	281,562	180,834	72,128	0	0	0	0	534,524	160,641	373,883
2019	298,455	191,685	76,455	0	0	0	0	566,595	160,641	405,954
2020	0	0	0	0	0	0	0	0	160,641	431,688
2021	0	0	0	0	0	0	0	0	160,641	309,899
2022	0	0	0	0	0	0	0	0	0	177,149
2023	0	0	0	0	0	0	0	0	0	168,658
2024	0	0	0	0	0	0	0	0	0	159,403
2025	0	0	0	0	0	0	0	0	0	143,979
2026	0	0	0	0	0	0	0	0	0	127,166
2027	0	0	0	0	0	0	0	0	0	103,677
2028	0	0	0	0	0	0	0	0	0	89,276
2029	0	0	0	0	0	0	0	0	0	76,823
2030	0	0	0	0	0	0	0	0	0	66,081
2031	0	0	0	0	0	0	0	0	0	57,514
2032	0	0	0	0	0	0	0	0	0	49,539
2033	0	0	0	0	0	0	0	0	0	0

Note: Numbers may not add due to rounding.

Estimated Pension Fund Progress

Table 18 shows the pension fund's estimated progress for fiscal years 1993 through 2012. The July 1, 1992 adjusted market value of fund assets is the starting point. This projection shows the emerging benefit payments of the fund and the concurrent fund growth. The projection is based on the same assumptions used to determine the Retirement System's annual cost and related liabilities.

The City contribution of normal cost plus the scheduled payments toward amortizing the unfunded actuarial accrued liability is used in the projection. The first year of the projection reflects the anticipated City contribution based on the July 1, 1991 valuation. Subsequent contributions are based on the July 1, 1992 valuation. The contribution's normal cost component increases 6.0% annually, reflecting anticipated increases in the aggregate salary. The projected employee contributions also increase annually, reflecting assumed salary increases at 6.0%.

The fund projection is limited to the period ending with the fiscal year ending June 30, 2012. Fluctuations from the figures shown in this 20-year period are to be expected.

The fund's underlying growth trend tends to follow that shown in Table 18, even though the actual numbers vary. The projection shows the City and employee combined fund contributions do not exceed the benefits paid. However, expected contributions combined with expected investment earnings cover the cashflow requirements to meet benefit payments and allow for continued fund growth.

Table 18

**Estimated Progress of City of Philadelphia Municipal Retirement
System Fund for the Period July 1, 1992 Through June 30, 2012**
(Dollars in Thousands)

Fiscal Year Ending June 30	Fund at Beginning of Year	City Contributions ^a	Employee Contributions ^a	Benefit Payments ^a	Investment Income	Net Increase	Fund at End of Year
1993	\$ 1,981,786	\$ 216,439	\$ 42,965	\$ 306,384	\$ 166,507	\$ 119,526	\$ 2,101,312
1994	2,101,312	241,441	48,626	316,056	177,084	151,094	2,252,406
1995	2,252,406	253,907	51,543	327,146	190,314	168,618	2,421,024
1996	2,421,024	267,121	54,636	339,715	205,064	187,105	2,608,129
1997	2,608,129	281,127	57,914	353,203	221,444	207,282	2,815,411
1998	2,815,411	294,784	61,389	367,936	239,592	227,829	3,043,240
1999	3,043,240	310,520	65,072	384,278	259,527	250,841	3,294,081
2000	3,294,081	327,202	68,976	401,028	281,525	276,675	3,570,756
2001	3,570,756	337,588	73,115	417,986	305,849	298,566	3,869,322
2002	3,869,322	356,332	77,502	437,599	332,035	328,270	4,197,591
2003	4,197,591	391,317	82,152	459,116	360,820	375,173	4,572,765
2004	4,572,765	409,677	87,081	481,837	393,785	408,706	4,981,471
2005	4,981,471	418,634	92,306	505,386	429,744	435,298	5,416,768
2006	5,416,768	438,284	97,844	529,219	468,097	475,007	5,891,775
2007	5,891,775	459,499	103,715	552,782	510,052	520,484	6,412,259
2008	6,412,259	486,672	109,938	576,269	556,118	576,459	6,988,718
2009	6,988,718	501,126	116,534	598,902	607,278	626,036	7,614,754
2010	7,614,754	527,188	123,526	620,720	662,954	692,948	8,307,702
2011	8,307,702	559,587	130,938	642,081	724,692	773,136	9,080,838
2012	9,080,838	593,154	138,794	662,370	793,715	863,293	9,944,131

Note: Numbers may not add due to rounding.

a. City contributions are assumed to be made at year-end with interest. Employee contributions and benefit payments are assumed to be made mid-year.

3. Plan Membership

Active, retired, disabled, and terminated vested members data as of July 1, 1992 was provided by the Philadelphia Board of Pensions and Retirement to determine benefit liabilities and annual costs.

The active member data, supplied on tape and list, contained information for all Retirement System members as of July 1, 1992. The data contained basic identifying information on each employee in addition to the annual rate of base compensation, overtime pay, longevity payments, and employee contribution totals. The data was reviewed for consistency and completeness. The data was also verified against the July 1, 1991 data for continued active member coverage. Members in 1991 not active or new nonactive members were analyzed and allocated to the most probable nonactive status.

The nonactive member data, also supplied on tape and list, contained information for all retired, beneficiary, disabled, and terminated vested members as of July 1, 1992.

Table 20 summarizes the changes in plan membership for the period between valuations. Based on the information provided, changes in status due to retirement, disablement, death, and new entrants could be identified. However, information regarding transfers, return to

employment, and data corrections was not available, resulting in *Net Other Terminations* consisting of:

- Active
 - Terminated and left member contributions on deposit
 - Died without a spouse or beneficiary
 - Returned to employment
 - Transferred from one division to another.
- Retired or Disabled
 - Died during the period
 - Returned to employment.
- Terminated Vested
 - Retired or died during the period
 - Returned to employment.

Table 19 illustrates that total plan membership increased during the period.

Table 19
Total Plan Membership Net Change

	<i>Number of Members</i>	<i>Percentage Increase (Decrease)</i>
Active	+ 436	+ 1.4%
Retired	+ 678	+ 4.2
Surviving Spouses	+ 83	+ 1.2
Other Beneficiaries	+ 67	+ 7.3
Disabled	+ 212	+ 4.3
Terminated Vested	+ 165	+32.9

Table 21 breaks down active members' payroll and nonactive members' benefit payments.

Table 20
Reconciliation of Included Members

	1967 Plan			Plan 87				<i>Total</i>
	<i>Municipal</i>	<i>Police</i>	<i>Fire</i>	<i>Municipal</i>	<i>Elected</i>	<i>Police</i>	<i>Fire</i>	
Active Members								
Active, July 1, 1991	19,378	5,207	2,139	1,971	17	1,310	229	30,251
New Entrants and Rehires	+ 2,158	+ 26	+ 3	+ 654	+ 8	+ 221	+ 84	+ 3,154
Transfers In	+ 572	+ 24	+ 12	+ 7	+ 2	0	+ 7	+ 624
Transfers Out	- 45	- 1	- 1	- 570	- 1	- 6	0	- 624
Separations from Active Service								
Refunded Contributions	- 274	- 6	- 1	- 183	0	- 7	- 7	- 478
Terminated Vested	- 22	- 1	0	- 1	0	0	0	- 24
Became Disabled	- 144	- 93	- 48	0	0	- 4	0	- 289
Died	0	- 1	0	0	0	0	0	- 1
Retired	- 700	- 263	- 171	- 3	- 3	0	0	- 1,140
Net Other Terminations ^a	- 579	- 25	- 15	- 136	- 1	- 23	- 7	- 786
Active, July 1, 1992	20,344	4,867	1,918	1,739	22	1,491	306	30,687
Retired Members								
Retired as of July 1, 1991	10,430	4,088	1,585	0	0	0	0	16,103
New Retirees	+ 709	+ 272	+ 171	0	0	0	0	+ 1,152
Net Other Terminations	- 321	- 75	- 78	0	0	0	0	- 474
Retired, July 1, 1992	10,818	4,285	1,678	0	0	0	0	16,781
Surviving Spouses								
Receiving Benefit, July 1, 1991	3,934	1,791	937	0	0	0	0	6,662
New Spouses	+ 10	+ 3	+ 1	0	0	0	0	+ 14
Net Other Terminations	+ 65	0	+ 4	0	0	0	0	+ 69
Receiving Benefit, July 1, 1992	4,009	1,794	942	0	0	0	0	6,745

a. Includes terminations who left employee contributions on deposit, and deaths without continuing benefits to beneficiaries.

Table 20 (Continued)

Reconciliation of Included Members

	1987 Plan			Plan 87			Total
	Municipal	Police	Fire	Municipal	Elected	Police	
						Fire	
Other Beneficiaries							
Receiving Benefit, July 1, 1991	734	149	36	0	0	0	919
New Beneficiaries	0	0	0	0	0	0	0
Net Other Terminations	+ 53	+ 13	+ 1	0	0	0	+ 67
Receiving Benefit, July 1, 1992	787	162	37	0	0	0	986
Disabled Members							
Disabled, July 1, 1991	2,039	2,346	579	0	0	0	4,964
New Disabilities	+ 144	+ 97	+ 48	0	0	0	+ 289
Net Other Terminations	- 42	- 42	+ 7	0	0	0	- 77
Disabled, July 1, 1992	2,141	2,401	634	0	0	0	5,176
Terminated Vested Members							
Terminated Vested, July 1, 1991	414	75	12	0	0	0	501
New Vested Terminations	+ 23	+ 1	0	0	0	0	+ 24
Net Other Terminations	+ 127	+ 13	+ 1	0	0	0	+ 141
Terminated Vested, July 1, 1992	564	89	0	0	0	0	666

Table 21

Summary of Annual Payroll and Annual Benefits
(Thousands)

	<u>1987 Plan</u>		<u>1987</u>		<u>Total</u>	
	<u>Municipal</u>	<u>Police</u>	<u>Fire</u>	<u>Municipal</u>	<u>Elected</u>	
Active Members						
Active as of July 1, 1991	\$582,580	\$194,897	\$79,897	\$54,825	\$ 735	\$ 7,575
New Entrants and Pay Increases	<u>48,131</u>	<u>(12,420)</u>	<u>(8,411)</u>	<u>(6,667)</u>	<u>764</u>	<u>6,396</u>
Active as of July 1, 1992	\$630,711	\$182,477	\$71,486	\$48,158	\$1,499	\$49,008
Retired Members						
Retired as of July 1, 1991	\$102,044	\$61,433	\$23,276	\$ 0	\$ 0	\$ 0
Net New Retirees	<u>9,788</u>	<u>5,972</u>	<u>3,831</u>	<u>0</u>	<u>0</u>	<u>0</u>
Retired as of July 1, 1992	\$111,832	\$67,405	\$27,107	\$ 0	\$ 0	\$ 0
Surviving Spouses						
Receiving Benefit as of July 1, 1991	\$14,222	\$ 8,599	\$ 4,293	\$ 0	\$ 0	\$ 27,114
Net New Spouses	<u>964</u>	<u>217</u>	<u>65</u>	<u>0</u>	<u>0</u>	<u>1,246</u>
Receiving Benefit as of July 1, 1992	\$15,186	\$ 8,816	\$ 4,358	\$ 0	\$ 0	\$ 28,360
Other Beneficiaries						
Receiving Benefit as of July 1, 1991	\$ 2,464	\$ 596	\$ 174	\$ 0	\$ 0	\$ 3,234
Net New Beneficiaries	<u>325</u>	<u>130</u>	<u>24</u>	<u>0</u>	<u>0</u>	<u>550</u>
Receiving Benefit as of July 1, 1992	\$ 2,859	\$ 726	\$ 198	\$ 0	\$ 0	\$ 3,784

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Table 21 (Continued)

**Summary of Annual Payroll and Annual Benefits
(Thousands)**

	1987 Plan			Plan 87			Total
	Municipal	Police	Fire	Municipal	Elected	Police	
Disabled Members							

Disabled as of July 1, 1991	\$ 19,201	\$ 31,213	\$ 8,280	\$ 0	\$ 0	\$ 0	\$ 58,694
Net New Disabilities	<u>2,084</u>	<u>1,849</u>	<u>1,285</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>5,219</u>
Disabled as of July 1, 1992	\$ 21,285	\$ 33,062	\$ 9,566	\$ 0	\$ 0	\$ 0	\$ 63,913

Terminated Vested Members

Terminated Vested as of July 1, 1991	\$ 3,620	\$ 610	\$ 82	\$ 0	\$ 0	\$ 0	\$ 4,312
New Vested Terminations	<u>1,762</u>	<u>177</u>	<u>12</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1,951</u>
Terminated Vested as of July 1, 1992	\$ 5,382	\$ 787	\$ 94	\$ 0	\$ 0	\$ 0	\$ 6,263

A distribution of the active employees' annual earnings for each division by age and service group as of July 1, 1992 is presented in Tables 22 through 42.

A distribution of terminated vested members by age and monthly pension is shown in Table 43. Tables 44, 45, and 46 present distributions of the 1967 Plan municipal division retired and disabled members by number of members, total monthly pensions, and the average monthly pension. This information is shown separately for members retiring before and after July 1, 1991. Similarly, Tables 47 through 52 show this information for retired and disabled police and fire members respectively.

Table 22

Municipal (1967 Plan) Annual Earnings by Age Groups
(Dollars in Thousands)

Age Group	Male			Female			All		
	Number of People	Total Annual Earnings	Average Annual Earnings	Number Of People	Total Annual Earnings	Average Annual Earnings	Number Of People	Total Annual Earnings	Average Annual Earnings
0-19	7	122	17	5	82	16	12	204	17
20-24	193	4,833	25	170	3,619	21	363	8,452	23
25-29	702	19,587	28	605	14,604	24	1,307	34,191	26
30-34	1,478	46,229	31	1,093	28,888	26	2,571	75,117	29
35-39	1,924	64,258	33	1,363	36,983	27	3,287	101,242	31
40-44	2,457	86,283	35	1,552	44,211	28	4,009	130,494	33
45-49	1,987	72,783	37	1,393	40,192	29	3,380	112,975	33
50-54	1,478	52,257	35	1,153	31,064	27	2,631	83,322	32
55-59	916	31,898	35	666	17,639	26	1,582	49,537	31
60-64	498	16,614	33	348	8,885	26	846	25,499	30
65-69	115	3,711	32	116	2,806	24	231	6,517	28
70-74	44	1,369	31	39	783	20	83	2,152	26
75-79	17	476	28	12	240	20	29	715	25
80-84	5	195	39	4	56	14	9	251	28
85+	2	10	5	2	33	17	4	44	11
TOTAL	11,823	400,625	34	8,521	230,086	27	20,344	630,711	31

Note: Age represents attained age

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Table 23
Municipal (1967 Plan) Annual Earnings by Service Groups
(Dollars in Thousands)

Male		Female		All	
Service Group	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings
0	371	9,010	24	343	6,465
1	429	10,688	25	245	5,401
2	639	18,398	29	702	15,452
3	559	15,982	29	705	14,710
4	711	21,007	30	568	13,822
5	607	18,695	31	600	15,784
6-10	2,350	76,832	33	1,823	51,073
11-15	1,841	66,323	36	1,042	31,484
16-20	2,159	79,751	37	1,024	30,583
21-25	1,286	48,974	38	788	23,891
26-30	609	24,128	40	377	12,097
31+	262	10,819	41	304	9,325
TOTAL	11,823	400,625	34	8,521	230,086
				27	20,344
				31	630,711

Note: Age represents attained age

Table 24

Municipal (1967 Plan) Service Groups by Age Groups

Age Group	0	1	2	3	Service Groups					OVER	TOTAL
					4	5	6-10	11-15			
Male											
0-19	4	2	0	0	0	1	0	0	0	0	7
20-24	51	38	59	28	8	4	5	0	0	0	193
25-29	65	83	141	107	112	73	110	11	0	0	702
30-34	63	92	136	134	167	167	559	156	4	0	1,478
35-39	63	81	130	96	143	119	540	504	248	0	1,924
40-44	57	57	72	64	111	91	430	457	1,118	0	2,457
45-49	31	34	40	52	76	60	256	297	1,141	0	1,987
50-54	19	26	31	37	44	45	154	176	946	0	1,478
55-59	15	11	18	24	25	24	132	123	544	0	916
60-64	3	3	9	12	14	16	118	84	239	0	498
65-69	0	2	2	4	9	5	28	19	46	0	115
70-74	0	0	0	1	0	2	15	10	16	0	44
75-79	0	0	1	0	0	0	2	3	11	0	17
80-84	0	0	0	0	1	0	0	1	3	0	5
85+	0	0	0	0	1	0	1	0	0	0	2
TOTAL	371	429	639	559	711	607	2,350	1,841	4,316	0	11,823
Female											
0-19	3	2	0	0	0	0	0	0	0	0	5
20-24	46	14	45	41	14	8	2	0	0	0	170
25-29	58	39	124	99	67	81	128	9	0	0	605
30-34	82	48	144	122	116	118	321	134	8	0	1,093
35-39	55	49	136	129	120	128	344	191	211	0	1,363
40-44	40	44	102	116	86	117	348	223	476	0	1,552
45-49	22	18	72	92	71	66	269	158	625	0	1,393
50-54	18	18	41	50	55	31	168	141	631	0	1,153
55-59	11	10	26	32	24	23	129	87	324	0	666
60-64	8	1	9	13	12	24	69	66	146	0	348
65-69	0	1	2	7	2	3	34	20	47	0	116
70-74	0	1	1	2	0	1	7	7	20	0	39
75-79	0	0	0	1	1	0	3	3	4	0	12
80-84	0	0	0	0	0	0	0	3	1	0	4
85+	0	0	0	1	0	0	1	0	0	0	2
TOTAL	343	245	702	705	568	600	1,823	1,042	2,493	0	8,521

Note: Age represents attained age

Table 25

Policer (1967 Plan) Annual Earnings by Age Groups
(Dollars in Thousands)

Age Group	Male		Female		All	
	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings
0-19	0	0	0	0	0	0
20-24	3	95	32	1	34	34
25-29	117	4,083	35	46	1,579	34
30-34	536	19,300	36	158	5,368	35
35-39	843	31,145	37	206	7,346	36
40-44	1,257	47,581	38	170	6,106	36
45-49	950	36,606	39	51	1,853	36
50-54	367	14,470	39	7	267	38
55-59	112	4,618	41	0	0	112
60-64	36	1,522	42	0	0	36
65-69	7	302	43	0	0	7
70-74	0	0	0	0	0	0
75-79	0	0	0	0	0	0
80-84	0	0	0	0	0	0
85+	0	0	0	0	0	0
TOTAL	4,228	159,723	38	639	22,754	36
					4,867	182,477
						37

Note: Age represents attained age

Table 26

Police (1967 Plan) Annual Earnings by Service Groups
(Dollars in Thousands)

Service Group	Number of People	Total Annual Earnings	Male		Female		All	
			Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings
0	2	62	31	1	30	30	3	92
1	1	31	31	1	30	30	2	61
2	9	285	32	3	97	32	12	382
3	14	477	34	11	369	34	25	846
4	108	3,754	35	45	1,544	34	153	5,298
5	190	6,619	35	116	4,028	35	306	10,647
6-10	643	23,034	36	248	8,773	35	891	31,807
11-15	804	29,924	37	123	4,447	36	927	34,372
16-20	885	33,322	38	74	2,792	38	959	36,114
21-25	1,117	43,172	39	15	565	38	1,132	43,737
26-30	372	15,086	41	2	80	40	374	15,166
31+	83	3,956	48	0	0	0	83	3,956
TOTAL	4,228	159,723	38	639	22,754	36	4,867	182,477

Note: Age represents attained age

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Table 27
Police (1967 Plan) Service Groups by Age Groups

Age Group			Service Groups		Male	Over	Total
	0	1	2	3			
0-19	0	0	0	0	0	0	0
20-24	1	0	0	1	0	0	3
25-29	1	1	8	5	22	42	516
30-34	0	0	0	4	50	95	285
35-39	0	0	0	1	24	38	217
40-44	0	0	0	0	10	19	91
45-49	0	0	0	0	0	2	7
50-54	0	0	0	0	0	0	5
55-59	0	0	0	0	0	0	111
60-64	0	0	0	0	0	0	35
65-69	0	0	0	0	0	0	7
70-74	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0
TOTAL	2	1	9	14	108	190	643
Female							
0-19	0	0	0	0	0	0	0
20-24	0	0	0	1	0	0	1
25-29	0	1	3	6	17	16	46
30-34	0	0	5	15	32	82	158
35-39	0	0	1	10	40	83	206
40-44	1	0	2	13	25	59	170
45-49	0	0	0	0	2	8	19
50-54	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0
65-69	0	0	0	0	0	0	0
70-74	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0
TOTAL	1	1	0	0	45	116	248

Note: Age represents attained age

Table 28

Fire (1967 Plan) Annual Earnings by Age Groups
(Dollars in Thousands)

<i>Age Group</i>	<i>M a l e</i>			<i>F e m a l e</i>			<i>A l l</i>		
	<i>Number of People</i>	<i>Total Annual Earnings</i>	<i>Average Annual Earnings</i>	<i>Number of People</i>	<i>Total Annual Earnings</i>	<i>Average Annual Earnings</i>	<i>Number of People</i>	<i>Total Annual Earnings</i>	<i>Average Annual Earnings</i>
0-19	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0
25-29	15	515	34	0	0	0	15	515	34
30-34	157	5,454	35	0	0	0	157	5,454	35
35-39	337	12,251	36	1	35	35	338	12,286	36
40-44	684	25,445	37	0	0	0	684	25,445	37
45-49	501	19,134	38	0	0	0	501	19,134	38
50-54	183	7,100	39	0	0	0	183	7,100	39
55-59	36	1,398	39	0	0	0	36	1,398	39
60-64	3	108	36	0	0	0	3	108	36
65-69	1	46	46	0	0	0	1	46	46
70-74	0	0	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0	0	0
TOTAL	1,917	71,451	37	1	35	35	1,918	71,486	37

Note: Age represents attained age

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Table 29
Fire (1967 Plan) Annual Earnings by Service Groups
(Dollars in Thousands)

Service Group	Male		Female		All	
	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings
0	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	2	67	34	0	0	2
4	30	1,027	34	0	0	30
5	45	1,558	35	0	0	45
6-10	304	10,615	35	1	35	35
11-15	280	10,172	36	0	0	280
16-20	608	22,829	38	0	0	608
21-25	422	16,030	38	0	0	422
26-30	181	7,264	40	0	0	181
31+	45	1,888	42	0	0	45
TOTAL	1,917	71,451	37	1	35	1,918
						71,486
						37

Note: Age represents attained age

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Table 30

Fees (1967 Plan) Service Groups by Age Groups

Age Group	Service Group										Over Total
	0	1	2	3	4	5-10	11-15	Over	Total		
Male											
0-19	0	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	2	7	6	0	15
30-34	0	0	0	0	0	0	0	0	0	0	0
35-39	0	0	0	0	0	0	15	21	117	2	157
40-44	0	0	0	0	0	0	10	15	119	89	103
45-49	0	0	0	0	0	0	3	2	60	1.56	463
50-54	0	0	0	0	0	0	0	0	2	33	466
55-59	0	0	0	0	0	0	0	0	0	0	501
60-64	0	0	0	0	0	0	0	0	0	0	183
65-69	0	0	0	0	0	0	0	0	0	36	36
70-74	0	0	0	0	0	0	0	0	0	3	3
75-79	0	0	0	0	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	2	30	45	104	280	1,256	1,917		
Female											
0-19	0	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	0	0	0	0	0	0	0
35-39	0	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	0	0	0	0	0
50-54	0	0	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0	0	0	0	0
65-69	0	0	0	0	0	0	0	0	0	0	0
70-74	0	0	0	0	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0

Note: Age represents attained age

Table 31

Municipal (Plan 67) Annual Earnings by Age Groups
(Dollars in Thousands)

Age Group	Male		Female		All	
	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings
0-19	0	0	0	0	0	0
20-24	44	992	23	69	1,449	21
25-29	167	4,688	28	218	5,868	27
30-34	154	4,876	32	159	4,445	28
35-39	108	3,700	34	132	3,692	28
40-44	90	3,140	36	108	3,279	30
45-49	58	2,001	35	92	2,618	28
50-54	44	1,842	42	54	1,367	25
55-59	30	891	30	52	869	17
60-64	28	804	29	40	550	14
65-69	14	286	20	28	212	8
70-74	8	141	18	30	123	4
75-79	4	191	48	4	18	5
80-84	0	0	0	4	15	4
85+	0	0	0	0	0	0
TOTAL	749	23,653	32	990	24,505	25
					1,739	1,739
					48,158	28

Note: Age represents attained age

Table 32

Municipal (Plan 87) Annual Earnings by Service Groups
(Dollars in Thousands)

Service Group	Number of People	Age 16 to 19			Age 20 to 24			Age 25 to 29			Age 30 to 34			Age 35 to 39		
		Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People
0	0															
1	173															
2	87	6,480	61.4	138	2,289	37	60	1,090	5,899	110	4,258	26	168	5,155	22	382
3	148															
4																
5	125	3,963	30.9	29	29	224	29	4,594	22	372	3,634	29	2,406	28	197	12,378
6-10	59															
11-15	10	2,251	220	168	5,155	22	177	3,659	23	197	4,258	26	3,634	29	2,406	28
16-20	5	397	79.4	38	4,594	121	40	4,594	22	372	3,634	29	2,406	28	197	12,378
21-25	3															
26-30	0	222	10.7	40	2,154	15	110	44	2,154	26	3,634	29	2,406	28	197	12,378
31+	1															
TOTAL	0	0		37	415	11.0	40	0	1,20	28	1,20	0	0	0	0	0
	749	0		0	1,04	10.4	0	0	1,04	30	1,04	0	0	0	0	0
		23,633		32	0	0	0	0	0	35	0	0	0	0	0	0
					990	0	0	0	0	9	0	0	0	0	0	0
						24,505	0	0	0	1	0	0	0	0	0	0
							23	0	0	0	0	0	0	0	0	0
								1,739	0	0	0	0	0	0	0	0
									48,158	0	0	0	0	0	0	0
										28						

Note: Age represents attained age

Table 33

Municipal (Plan 87) Service Groups by Age Groups

Service Group	0	1	2	3	Service Group	Male	6-10	11-15	Over	Total
	4	5								
Male										
0-19	0	0	0	0	0	0	0	0	0	0
20-24	17	3	11	6	4	0	0	0	0	0
25-29	41	29	35	31	22	2	1	0	0	44
30-34	36	14	38	30	20	14	2	0	0	167
35-39	24	11	17	18	20	13	1	3	1	154
40-44	17	10	14	19	22	5	1	2	0	108
45-49	13	11	8	5	13	6	1	0	1	90
50-54	9	4	9	8	7	6	0	0	1	58
55-59	8	1	6	7	5	2	0	0	1	44
60-64	6	2	6	5	6	1	0	0	1	30
65-69	2	1	1	5	3	2	2	0	0	28
70-74	0	1	2	2	3	0	0	0	0	14
75-79	0	0	1	2	0	1	0	0	0	8
80-84	0	0	0	0	0	0	0	0	0	4
85+	0	0	0	0	0	0	0	0	0	0
TOTAL	173	87	148	138	125	59	10	5	4	749
Female										
0-19	0	0	0	0	0	0	0	0	0	0
20-24	14	10	24	12	4	0	0	0	0	0
25-29	60	36	61	28	25	4	1	0	0	69
30-34	29	17	30	29	35	8	0	0	0	218
35-39	31	12	24	24	25	17	2	0	0	159
40-44	25	7	23	15	23	13	2	1	0	132
45-49	18	5	18	13	22	14	0	0	1	108
50-54	6	4	14	11	13	13	2	0	1	92
55-59	11	5	12	8	9	4	0	2	0	54
60-64	12	5	2	8	7	3	2	1	1	52
65-69	2	7	8	7	3	3	3	0	0	40
70-74	1	2	4	10	11	1	1	0	0	28
75-79	0	0	1	3	0	0	0	0	0	30
80-84	0	0	3	0	0	0	0	0	0	4
85+	0	0	0	0	0	0	1	0	0	4
TOTAL	209	110	224	168	177	80	15	4	3	990

Note: Age represents attained age

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Table 14
Elected (Plan 67) Annual Earnings by Age Groups
(Dollars in Thousands)

	M a t e	F e m a l e	A I I						
Age Group	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings
0-19	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0
30-34	1	65	65	0	0	0	0	0	0
35-39	1	65	65	0	0	0	1	65	65
40-44	4	267	67	0	0	0	1	65	65
45-49	4	315	79	1	65	65	4	267	67
50-54	0	0	0	2	130	65	5	380	76
55-59	1	65	65	4	263	66	2	130	65
60-64	0	0	0	2	135	68	5	328	66
65-69	0	0	0	0	0	0	0	0	0
70-74	1	65	65	0	0	0	0	0	0
75-79	1	65	65	0	0	0	1	65	65
80-84	0	0	0	0	0	0	1	65	65
85+	0	0	0	0	0	0	0	0	0
TOTAL	13	907	70	9	593	66	22	1,499	68

Note: Age represents attained age.

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Table 35
Elected (Plan 87) Annual Earnings by Service Groups
(Dollars in Thousands)

Service Group	Male			Female			All		
	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings
0	4	260	65	2	130	65	6	390	65
1	0	0	0	0	0	0	0	0	0
2	1	70	70	0	0	0	1	70	70
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6-10	2	130	65	1	65	65	3	195	65
11-15	4	315	79	4	252	66	8	577	72
16-20	1	67	67	1	68	68	2	135	67
21-25	1	65	65	0	0	0	1	65	65
26-30	0	0	0	0	0	0	0	0	0
31+	0	0	0	0	0	0	0	0	0
TOTAL	13	907	70	9	593	66	22	1,499	68

Note: Age represents attained age

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Table 36

Elected (Plan 87) Service Groups by Age Groups

Age Group	Service Group									
	0	1	2	3	4	5	6-10	11-15	Over	Total
0-19	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0
30-34	1	0	0	0	0	0	0	0	0	1
35-39	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	0	0	0	0
50-54	0	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0	0	0	0
65-69	0	0	0	0	0	0	0	0	0	0
70-74	0	0	0	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0	0	0	0
TOTAL	4	0	0	0	0	0	0	0	0	4
Male										
0-19	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	0	0	0	0	0	0
35-39	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	0	0	0	0
50-54	0	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0	0	0	0
65-69	0	0	0	0	0	0	0	0	0	0
70-74	0	0	0	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0	0	0	0
TOTAL	2	0	0	0	0	0	0	0	0	2
Female										
0-19	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	0	0	0	0	0	0
35-39	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	0	0	0	0
50-54	0	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0	0	0	0
65-69	0	0	0	0	0	0	0	0	0	0
70-74	0	0	0	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0	0	0	0
TOTAL	2	0	0	0	0	0	0	0	0	2
Total										
0-19	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	0	0	0	0	0	0
35-39	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	0	0	0	0
50-54	0	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0	0	0	0
65-69	0	0	0	0	0	0	0	0	0	0
70-74	0	0	0	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0	0	0	0
TOTAL	2	0	0	0	0	0	0	0	0	2
Total										
0-19	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	0	0	0	0	0	0
35-39	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	0	0	0	0
50-54	0	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0	0	0	0
65-69	0	0	0	0	0	0	0	0	0	0
70-74	0	0	0	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0	0	0	0
TOTAL	2	0	0	0	0	0	0	0	0	2

Note: Age represents attained age

Table 37

Police (Plan 87) Annual Earnings by Age Groups
(Dollars in Thousands)

Age Group	Male			Female			All		
	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings
0-19	0	0	0	0	0	0	0	0	0
20-24	294	9,554	32	70	2,270	32	364	11,824	32
25-29	471	15,482	33	130	4,294	33	601	19,776	33
30-34	244	8,055	33	80	2,645	33	324	10,700	33
35-39	98	3,259	33	87	2,880	33	185	6,139	33
40-44	4	133	33	12	401	33	16	533	33
45-49	1	35	35	0	0	0	1	35	35
50-54	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0	0	0
65-69	0	0	0	0	0	0	0	0	0
70-74	0	0	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0	0	0
TOTAL	1,112	36,518	33	379	12,490	33	1,491	49,008	33

Note: Age represents attained age

Table 38

**Policemen (Plan 87) Annual Earnings by Service Groups
(Dollars in Thousands)**

Service Group	Number of People	Male			Female			All		
		Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings	
0	157	4,801	31	48	1,459	30	205	6,259	31	
1	97	3,143	32	39	1,265	32	136	4,408	32	
2	596	19,635	33	171	5,640	33	767	25,280	33	
3	255	8,701	34	117	3,992	34	372	12,688	34	
4	2	67	33	2	67	33	4	134	33	
5	1	33	33	0	0	0	1	33	33	
6-10	2	68	34	2	68	34	4	136	34	
11-15	1	34	34	0	0	0	1	34	34	
16-20	1	35	35	0	0	0	1	35	35	
21-25	0	0	0	0	0	0	0	0	0	
26-30	0	0	0	0	0	0	0	0	0	
31+	0	0	0	0	0	0	0	0	0	
TOTAL	1,112	36,518	33	379	12,490	33	1,491	49,008	33	

Note: Age represents attained age.

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Police (Puna 87) Section 69(1) by Act 69(1)

Note: Age represents attained age

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Table 40

Fire (Plan 87) Annual Earnings by Age Groups
(Dollars in Thousands)

Age Group	Male			Female			All		
	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings
0-19	0	0	0	0	0	0	0	0	0
20-24	22	695	32	0	0	0	22	695	32
25-29	96	3,078	32	6	198	33	102	3,277	32
30-34	105	3,440	33	4	135	34	109	3,575	33
35-39	58	1,923	33	1	33	33	59	1,956	33
40-44	11	370	34	0	0	0	11	370	34
45-49	3	106	35	0	0	0	3	106	35
50-54	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0	0	0
65-69	0	0	0	0	0	0	0	0	0
70-74	0	0	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0	0	0
TOTAL	295	9,613	33	11	367	33	306	9,979	33

Note: Age represents attained age

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Table 41

Fire (Plan 67) Annual Earnings by Service Groups
(Dollars in Thousands)

Service Group	Male		Female		All	
	Number of People	Total Annual Earnings	Average Annual Earnings	Number of People	Total Annual Earnings	Average Annual Earnings
0	78	2,321	30	1	30	79
1	33	1,090	33	2	66	33
2	87	2,893	33	5	169	34
3	93	3,179	34	3	101	34
4	1	30	30	0	0	0
5	1	31	31	0	0	0
6-10	1	35	35	0	0	0
11-15	0	0	0	0	0	0
16-20	1	34	34	0	0	0
21-25	0	0	0	0	0	0
26-30	0	0	0	0	0	0
31+	0	0	0	0	0	0
TOTAL	295	9,613	33	11	367	33
					306	9,979
						33

Note: Age represents stated age

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Table 42

Fire (Plan 87) Service Groups by Age Groups

Age Group	0			1			2			3			Service Group			Male	Female	Total
	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2			
0-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-24	11	8	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25-29	37	13	29	16	1	0	0	0	0	0	0	0	0	0	0	0	22	22
30-34	25	7	34	38	0	0	0	0	0	0	0	0	0	0	0	0	0	96
35-39	5	4	18	29	0	0	0	0	0	0	0	0	0	0	0	0	0	105
40-44	0	0	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	58
45-49	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
55-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	78	33	87	93	1	1	1	0	0	0	0	0	0	0	0	0	295	11
Female																		
0-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25-29	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30-34	0	0	1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
35-39	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
40-44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	2	5	3	0	0	0	0	0	0	0	0	0	0	0	0	11	11

Note: Age represents attained age

Table 43

Terminated Vested (1967 Plan) Members, July 1, 1992

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Age	Municipal Members			Police Members			Fire Members		
	Lives	Monthly Pension	Lives	Monthly Pension	Lives	Monthly Pension	Lives	Monthly Pension	Lives
Under 40	71	\$ 50,327	20	\$14,044	3			\$1,724	
40-44	144	118,454	59	45,834	8			4,802	
45-49	166	146,579	5	2,326	1			833	
50-54	152	121,971	4	2,311	0			0	
55-59	12	5,296	0	0	1			502	
60-64	4	2,643	0	0	0			0	
over 64	15	3,226	1	1,068	0			0	
Total	564	\$448,497	89	\$65,583	13			\$7,882	

Average Monthly Pension

Municipal	\$795
Police	\$737
Fire	\$605

Table 44

Number of Disabled and Retired Municipal (1967 Plan) Members, July 1, 1992

Age	Disabled			Number of Lives			Retired		
	Prior	New	Total	Prior	New	Total	Prior	New	Total
UNDER 45									
45-49	133	42	175	439	34	473	572	76	648
50-54	152	36	188	131	13	144	283	49	332
55-59	248	48	296	235	18	253	483	66	549
60-64	320	21	341	1,094	382	1,476	1,414	403	1,817
65-69	361	0	361	2,390	300	2,690	2,744	302	3,046
70-74	239	0	239	2,767	79	2,846	3,006	79	3,085
75-79	120	0	120	2,071	43	2,114	2,191	43	2,234
80-84	48	0	48	1,408	20	1,428	1,456	20	1,476
OVER 84	17	0	17	1,047	28	1,075	1,064	28	1,092
TOTAL	1,992	149	2,141	14,512	1,102	15,614	16,304	1,251	17,755

Note: Prior indicates lives whose benefit payments began more than one year before the valuation date; New indicates lives whose benefit payments began in the year preceding the valuation date.

Table 45

Total Monthly Pensions of Disabled and Retired Municipal (1967 Plan) Members, July 1, 1992

Age	Disabled			Total Monthly Pension Amounts			Retired			Total		
	Prior	New	Total	Prior	New	Total	Prior	New	Total	Prior	New	Total
UNDER 45	144,979.63	56,050.98	201,030.61	124,968.76	14,871.89	139,840.65	269,948.39	70,922.87	340,871.26			
45-49	160,038.09	45,895.37	205,933.46	51,594.86	10,488.99	62,083.85	211,632.95	56,384.36	268,017.31			
50-54	229,172.26	59,933.50	289,105.76	128,391.32	12,356.18	140,747.50	357,563.58	72,289.68	429,853.26			
55-59	280,981.61	28,589.43	309,571.04	1,135,648.55	552,783.44	1,688,431.99	1,416,630.16	581,372.87	1,998,003.03			
60-64	267,769.24	2,370.08	270,139.32	2,428,054.60	360,975.59	2,789,030.19	2,695,823.84	363,345.67	3,059,169.51			
65-69	249,073.37	0.00	249,073.37	2,388,207.47	162,365.12	2,550,572.59	2,637,280.84	162,365.12	2,799,645.96			
70-74	148,369.33	0.00	148,369.33	1,657,587.12	54,045.41	1,711,632.53	1,805,956.45	54,045.41	1,860,001.86			
75-79	68,838.78	0.00	68,838.78	916,845.38	25,028.49	941,873.87	985,684.16	25,028.49	1,010,712.65			
80-84	25,089.67	0.00	25,089.67	482,178.35	7,541.73	489,720.08	507,268.02	7,541.73	514,809.75			
OVER 84	6,620.35	0.00	6,620.35	300,224.71	8,868.91	309,093.62	306,845.06	8,868.91	315,713.97			
TOTAL	1,580,932.33	192,839.36	1,773,771.69	9,613,701.12	1,209,325.75	10,823,026.87	11,194,633.45	1,402,165.11	12,596,798.56			

Note: Prior indicates lives whose benefit payments began more than one year before the valuation date; New indicates lives whose benefit payments began in the year preceding the valuation date.

Table 46

Average Monthly Pension of Disabled and Retired Municipal (1967 Plan) Member, July 1, 1992

Age	Disabled			Average Monthly Pension Amounts			Retired			Total		
	Prior	New	Total	Prior	New	Total	Prior	New	Total	Prior	New	Total
UNDER 45	1,090.07	1,334.55	1,148.75	284.67	437.41	295.65	471.94	933.20	526.04			
45-49	1,052.88	1,274.87	1,095.39	393.85	806.85	431.14	747.82	1,150.70	807.28			
50-54	924.08	1,248.61	976.71	546.35	686.45	556.31	740.30	1,095.30	782.97			
55-59	878.07	1,361.40	907.83	1,038.07	1,447.08	1,143.92	1,001.86	1,442.61	1,099.62			
60-64	756.41	1,185.04	758.82	1,015.92	1,203.25	1,036.81	982.44	1,203.13	1,004.32			
65-69	689.95	0.00	689.95	815.09	877.65	818.80	801.36	877.65	805.42			
70-74	620.79	0.00	620.79	599.06	684.12	601.42	600.78	684.12	602.92			
75-79	573.66	0.00	573.66	442.71	582.06	445.54	449.88	582.06	452.42			
80-84	522.70	0.00	522.70	342.46	377.09	342.94	348.40	377.09	348.79			
OVER 84	389.43	0.00	389.43	286.75	316.75	287.53	288.39	316.75	289.12			
TOTAL	793.64	1,294.22	828.48	662.47	1,097.39	693.16	678.30	1,120.84	709.48			

Note: Prior indicates lives whose benefit payments commenced more than one year before the valuation date; New indicates lives whose benefit payments began in the year preceding the valuation date.

Table 47

Number of Disabled and Retired Police (1967 Plan) Members, July 1, 1992

Age	Disabled			Retired			Number of Lives		
	Prior	New	Total	Prior	New	Total	Prior	New	Total
UNDER 45	403	57	460	138	9	147	541	66	607
45-49	452	30	482	551	175	726	1,003	205	1,208
50-54	340	6	346	965	89	1,054	1,305	95	1,400
55-59	291	3	294	914	41	955	1,205	44	1,249
60-64	331	3	334	933	21	974	1,284	24	1,308
65-69	268	1	269	622	18	640	890	19	909
70-74	108	0	108	402	5	407	510	5	515
75-79	76	0	76	515	12	527	591	12	603
80-84	22	0	22	363	5	368	385	5	390
OVER 84	10	0	10	434	9	443	444	9	453
TOTAL	2,301	100	2,401	5,857	384	6,241	8,158	484	8,642

Note: Prior indicates lives whose benefit payments began more than one year before the valuation date; New indicates lives whose benefit payments began in the year preceding the valuation date.

Table 48

Total Monthly Pensions of Disabled and Retired Police (1967 Plan) Members, July 1, 1992

Age	Disabled			Retired			Total		
	Prior	New	Total	Prior	New	Total	Prior	New	Total
UNDER 45	631,861.12	106,497.30	738,358.42	71,945.04	8,220.10	80,165.14	703,806.16	114,717.40	818,523.56
45-49	601,239.27	60,661.22	661,900.49	731,955.10	303,517.87	1,035,472.97	1,333,194.37	364,179.09	1,697,373.46
50-54	374,203.44	12,084.88	386,288.32	1,247,622.67	175,208.75	1,422,831.42	1,621,826.11	187,293.63	1,809,119.74
55-59	276,066.44	5,908.24	281,974.68	1,094,840.67	79,134.29	1,173,974.96	1,370,907.11	85,042.53	1,455,949.64
60-64	280,976.20	8,314.08	289,290.28	1,083,818.53	42,954.89	1,126,773.42	1,364,794.73	51,268.97	1,416,063.70
65-69	224,167.77	3,237.53	227,405.30	663,063.86	27,897.72	690,961.58	887,231.63	31,135.25	918,366.88
70-74	87,999.49	0.00	87,999.49	262,548.04	1,968.15	264,516.19	350,547.53	1,968.15	352,515.68
75-79	59,562.73	0.00	59,562.73	281,081.36	4,898.09	285,979.45	340,644.09	4,898.09	345,542.18
80-84	15,346.09	0.00	15,346.09	155,115.12	1,375.00	156,490.12	170,461.21	1,375.00	171,836.21
OVER 84	7,000.00	0.00	7,000.00	171,632.90	3,429.77	175,062.67	178,632.90	3,429.77	182,062.67
TOTAL	2,558,422.55	196,703.25	2,755,125.80	5,763,623.29	648,604.63	6,412,227.92	8,322,045.84	845,307.88	9,167,353.72

Note: Prior indicates lives whose benefit payments began more than one year before the valuation date; New indicates lives whose benefit payments began in the year preceding the valuation date.

Table 58

**Allocation of Assets for Valuation Purposes between
Divisions as of June 30, 1992
(Thousands)**

	1967 Plan			Plan 87				Total
	Municipal	Police	Fire	Municipal	Elected	Police	Fire	
1. Assets for Valuation Purposes as of June 30, 1991	\$ 1,021,326	\$ 577,177	\$ 240,856	\$ 12,761	\$ 350	\$ 11,123	\$ 2,370	\$ 1,865,964
2. Transactions During Period July 1, 1991 - June 30, 1992:								
a. Contributions Commonwealth and City Employees	\$ 99,730 23,833 4,757	\$ 86,387 11,864 0	\$ 29,967 4,845 0	\$ 3,382 1,407 0	\$ 233 122 0	\$ 3,322 2,316 0	\$ 673 449 0	\$ 223,693 44,836 4,757
b. Quasi-Public Agencies Transfer and Employee Contributions Receivable ^a	7,669	0	0	(6,632)	0	0	0	1,037
c. Miscellaneous Income and Expenses	311	115	32	0	1	0	0	458
d. Pension Benefits	144,589	105,087	37,948	21	59	85	9	287,798
e. Withdrawals	3,120	1,657	460	421	0	40	25	5,723
f. Administrative Expenses ^b	2,533	937	363	135	1	90	16	4,074
f. Net Transactions (a) + (b) - (c) - (d) - (e)	\$ (13,942)	\$ (9,315)	\$ (3,927)	\$ (2,420)	\$ 296	\$ 5,422	\$ 1,072	\$ (22,814)
3. Mean Fund Balance Prior to Allocation of Realized and Unrealized Income (1) + (1/2 x (2))	\$ 1,014,356	\$ 572,519	\$ 238,892	\$ 11,552	\$ 498	\$ 13,834	\$ 2,906	\$ 1,854,557
4. Realized and Unrealized Income for Period July 1, 1991 - June 30, 1992 (allocated in proportion to (3))	\$ 75,827	\$ 42,798	\$ 17,858	\$ 864	\$ 37	\$ 1,034	\$ 217	\$ 138,636
5. Assets for Valuation Purposes as of June 30, 1992 (1) + (2) + (4)	\$ 1,083,212	\$ 610,660	\$ 254,787	\$ 11,205	\$ 683	\$ 17,579	\$ 3,659	\$ 1,981,786

Note: Numbers may not add due to rounding.

Note: Numbers may not add due to rounding.

Note: Numbers may not add due to rounding.

a. Includes asset transfer of \$6,632,000 (from Plan M to Plan I) and \$1,037,000 in employee contributions receivable because of plan amendment changing District Council 47 employees from

Plan M to Plan J.

b. Allocated in proportion to the number of active and nonactive members in each division as of July 1, 1991.

5. Salient Features of the Retirement System

	1967 PLAN	
	<i>MUNICIPAL (PLAN J)</i>	<i>UNIFORMED (PLANS D AND X)</i>
Participation	Full-time employees participate on their date of employment. Temporary employees participate after completing six months employment. Participation is limited to employees hired before January 8, 1987. District Council 33 members continue to be Plan participants regardless of hire date. Current District Council 47 members hired after January 8, 1987 were switched from Plan 87 to 1967 Plan effective on their hire dates.	Same as municipal.
Credited Service	Credited service means the period of employment with the City during which the employee makes contributions to the Retirement System. Certain leaves of absence may also be credited.	Same as municipal.
Total Compensation	<p>Total compensation means:</p> <ul style="list-style-type: none"> • For members represented by AFSCME District Council 33, AFL-CIO or District Council 47, AFL-CIO or employees of the Common Pleas Court, the base rate of pay, longevity payments, and overtime received during a 12-month period • For members who hold an elected office, exempt position or other position not represented by a union, the base rate of pay and longevity payments received during 12-month period. 	<p>Total compensation means the base rate of pay and longevity payments received during a 12-month period.</p>
Final Compensation	Final compensation means the greater of the annual base rate of pay at the time of termination and the total compensation received during the 12 months immediately preceding termination.	Same as municipal.
Average Final Compensation	Average final compensation means:	Average final compensation means the highest of:

1967 PLAN

	MUNICIPAL (PLAN J)	UNIFORMED (PLANS D AND X)
	<ul style="list-style-type: none"> • For members represented by AFSCME District Council 33, AFL-CIO or District Council 47, AFL-CIO or employees of the Common Pleas Court, Municipal Court, or Traffic Court, the arithmetic average of the total compensation received during the three calendar or anniversary years that produces the highest average • For members who hold an elected office, exempt position or other positions not represented by a union, the arithmetic average of the total compensation received during the three calendar or anniversary years that produces the highest average. 	<ul style="list-style-type: none"> • The total compensation received during the 12-month period; or • The annual base rate of pay, excluding longevity payments, calculated from the final pay period; or • The arithmetic average of the total compensation received during five calendar years of employment.
Employee Contributions	Each employee who participates in the Social Security System, contributes 3-3/4% of his total compensation up to the taxable wage base (\$55,500 in 1992 and \$57,600 in 1993) and 6% of his total compensation above the taxable wage base to the Retirement System. Each employee who does not participate in the Social Security System contributes 6% of his total compensation to the Retirement System.	Same as municipal.
Service Retirement		
<i>Eligibility</i>	Each municipal employee is eligible to retire and receive a service pension at age 55.	Each uniformed employee is eligible to retire and receive a service pension at age 45.
<i>Benefit Amount</i>	The service pension equals 2-1/4% of the employee's average final compensation multiplied by his years credited service to a maximum of 20 years plus 2% of the employee's average final compensation multiplied by his years credited service in excess of 20, such sum limited to 80% of the employee's average final compensation.	The service pension equals a 2-1/4% of the employee's average final compensation multiplied by his years credited service, subject to a maximum of 100% of average final compensation.
Deferred Vested Retirement		
<i>Eligibility</i>	A terminating employee who has completed 10 or more years credited service is eligible for a deferred vested retirement benefit.	Same as municipal.

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	Ordinary Death
Benefit Amount	
Sertice-Connected Death	
Eligibility	
Same as municipal.	The beneficiary of each active employee who dies totally from the performance of duties of his employee's position with the City is eligible for an immediate death benefit.
Withdrawable Benefit	
Benefit Amount	The annual deferred vested benefit is determined the same as service pensions, based on average final compensation and credited service to termination. This benefit begins at his service requirement date. If the member dies before beginning his deferred vested benefit, an ordinary death benefit is payable (see Ordinary Death below).
MUNICIPAL (PLAN 1)	
1967 PLAN	
Sertice-Connected Death	
Eligibility	
Same as municipal.	The death benefit equals the sum of the total employee contributions paid to the benefit plan by his employer (without interest).
Withdrawable Benefit	
Benefit Amount	Altermatively, the terminating employee may request any time before benefit commencement to receive a refund of employee contributions (without interest) in an amount less than 10 years credited completed less than 10 years credited service will receive a withdrawable benefit equal to his employee contributions (without interest).
Sertice-Connected Death	
Eligibility	
Same as municipal.	The death benefit of each active employee who dies totally from the performance of duties of his employee's position with the City is eligible for an immediate death benefit.
Withdrawable Benefit	
Benefit Amount	The death benefit is payable (see Ordinary Death below).
Sertice-Connected Death	
Eligibility	
Same as municipal.	The death benefit is payable under the Workers' Compensation Act.
Withdrawable Benefit	
Benefit Amount	The death benefit equals the sum of the total employee contributions paid to the benefit plan by his employer (without interest).
Sertice-Connected Death	
Eligibility	
Same as municipal.	This benefit is payable for each dependent child (up to two children) until the child reaches age 18, if there is no spouse or remarried, each dependent child (up to three children) is eligible for a 25% of final compensation for each dependent child (up to two children) until the child reaches age 18. If there is no spouse or remarried, each dependent child (up to three children) is eligible for a 25% of final compensation for each dependent child (up to two children) until the child reaches age 18. The spouse is entitled to an additional yearly payment of 10% of final benefit. The spouse is entitled to an additional yearly payment of 10% of final benefit.
Withdrawable Benefit	
Benefit Amount	This benefit is payable to the spouse until remarriage, whichever occurs first. This benefit is payable to the spouse until remarriage, whichever occurs first.
Sertice-Connected Death	
Eligibility	
Same as municipal.	The death benefit is payable for each dependent child (up to two children) until the child reaches age 18, if there is no spouse or remarried, each dependent child (up to three children) is eligible for a 25% of final compensation for each dependent child (up to two children) until the child reaches age 18. The spouse is entitled to an additional yearly payment of 10% of final benefit. The spouse is entitled to an additional yearly payment of 10% of final benefit.
Withdrawable Benefit	
Benefit Amount	This benefit is payable for each dependent child (up to two children) until the child reaches age 18, if there is no spouse or remarried, each dependent child (up to three children) is eligible for a 25% of final compensation for each dependent child (up to two children) until the child reaches age 18. The spouse is entitled to an additional yearly payment of 10% of final benefit. The spouse is entitled to an additional yearly payment of 10% of final benefit.

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Eligibility	Annual Pension	Lump Sum Payment	Service-Connected Disability	Eligibility	Same as Municipal.	Benefit Amount
The beneficiary of an active employee (or a terminated vested employee who did not terminate severally employed (or a terminated vested employee who did not withdraw his employment contract) is eligible for a lump sum payment, whichever the beneficiary chooses.	The beneficiary may be any relative by blood or marriage.	The beneficiary may be any relative by blood or marriage.	The lump sum payment is eligible for service before completing 10 years credited.	The lump sum payment is equal to 10% of the deceased employee's average final compensation (see survival Benefit below).	An active employee found by the Board of Penitentiaries and Reformation to be mentally or physically permanently incapacitated from any further performance of duties due solely to the result of the performance of his duties in eligible for an immediate survivor benefit.	The service-connected disability benefit is equal to the employee's regular pension system plus a yearly benefit of 7% of contributions paid by any disability benefits payable under the Workers' Compensation Act.
The annual ordinary death pension, payable while severally employed, is eligible for a lump sum payment, whichever the beneficiary chooses.	The annual ordinary death pension, payable while severally employed, is eligible for a lump sum payment.	The annual ordinary death pension, payable while severally employed, is eligible for a lump sum payment.	The annual ordinary death pension, payable while severally employed, is eligible for a lump sum payment.	The lump sum payment is equal to a lump sum pension, whichever the beneficiary chooses.	The lump sum payment is equal to a lump sum pension, whichever the beneficiary chooses.	The lump sum payment is equal to a lump sum pension, whichever the beneficiary chooses.
The beneficiary of an active employee (or a terminated vested employee who did not terminate severally employed (or a terminated vested employee who did not withdraw his employment contract) is eligible for a lump sum payment, whichever the beneficiary chooses.	The beneficiary of an active employee (or a terminated vested employee who did not terminate severally employed (or a terminated vested employee who did not withdraw his employment contract) is eligible for a lump sum payment, whichever the beneficiary chooses.	The beneficiary of an active employee (or a terminated vested employee who did not terminate severally employed (or a terminated vested employee who did not withdraw his employment contract) is eligible for a lump sum payment, whichever the beneficiary chooses.	The beneficiary of an active employee (or a terminated vested employee who did not terminate severally employed (or a terminated vested employee who did not withdraw his employment contract) is eligible for a lump sum payment, whichever the beneficiary chooses.	The lump sum payment is equal to a lump sum pension, whichever the beneficiary chooses.	The lump sum payment is equal to a lump sum pension, whichever the beneficiary chooses.	The lump sum payment is equal to a lump sum pension, whichever the beneficiary chooses.

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Description	Option 1 - A benefit is payable to the employee with the provision that upon his death, the beneficiary will receive a lump sum equal to the excess, if any, of the employee's contributions over the sum paid by the employer.	Option 2 - A reduced benefit payable to the employee which the provision that 100% of the reduced benefit will be paid to the employee.	Option 3 - Same as option 2 except only 50% of the reduced benefit is continued to the designated beneficiary.
Survivor Benefit	Service pensions, deferred vested benefits, service-connected disability benefits (if under 40 years old or left on deposit), and ordinary disability benefits available under 4 options. Options 1, 2, and 3 provide benefits terminally equivalent to a lifetime only pension while option 4 has no reduction.	Employee contributions over the sum paid by the employer.	Employee contributions over the sum paid by the employer.
Emergency Amount	The annual ordinary disability benefit is equal to the benefit determined under the compensation formula using average final service pension and credited service as of the date of disability.	The annual ordinary disability benefit is equal to the benefit determined under the compensation formula using average final service pension and credited service as of the date of disability.	The annual ordinary disability benefit is equal to the benefit determined under the compensation formula using average final service pension and credited service as of the date of disability.
Eligibility	An active employee found by the Board to be mentally or physically permanently incapacitated from the further performance of duties due to an accident or illness not caused by the performance of duties in eligible for immediate ordinary disability benefit provided he has completed at least 10 years credited service.	An active employee found by the Board to be mentally or physically permanently incapacitated from the further performance of duties due to an accident or illness not caused by the performance of duties in eligible for immediate ordinary disability benefit provided he has completed at least 10 years credited service.	An active employee found by the Board to be mentally or physically permanently incapacitated from the further performance of duties due to an accident or illness not caused by the performance of duties in eligible for immediate ordinary disability benefit provided he has completed at least 10 years credited service.
Ordinary Disability	An active employee found by the Board to be mentally or physically permanently incapacitated from the further performance of duties due to an accident or illness not caused by the performance of duties in eligible for immediate ordinary disability benefit provided he has completed at least 10 years credited service.	An active employee found by the Board to be mentally or physically permanently incapacitated from the further performance of duties due to an accident or illness not caused by the performance of duties in eligible for immediate ordinary disability benefit provided he has completed at least 10 years credited service.	An active employee found by the Board to be mentally or physically permanently incapacitated from the further performance of duties due to an accident or illness not caused by the performance of duties in eligible for immediate ordinary disability benefit provided he has completed at least 10 years credited service.

MUNICIPAL (PLAN 1)	UNIFORMED PLANS AND X	1967 PLAN
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Option 4 - Upon the employee's death,	50% of the benefit will continue to be paid to the surviving spouse for the remainder of her life, unless provided that the employee and his spouse were married for 2 years before marriage. If there is no eligible spouse at the time the employee dies, or if her children until age 18, or if no dependent children, pensioner 4 provides for a additional, option 4 provides for a pensioner for the remainder of their lives. In addition, pensioner 4 provides for a combination return of employee contributions as described in option 1 above.	Minimum Pension	Waiver of Benefit	Service-Connected Health Care Benefit
The monthly maximum pension to pensioners is \$500. The monthly minimum pension to a service-connected pensioner is \$400 providing such pension will increase to \$500 at the time the pensioner reaches age 60.	The monthly maximum pension to a service-connected pensioner is equal to \$25 multiplied by the number of the pensioner's completed years of credited service, to a 10 year maximum, plus less than 3 but more than 1 year credited service, may waive his right to receive a monthly benefit and in lieu thereof, receive a lump sum payment without notice his employee contributions without receiving a monthly benefit.	Any employee at service retirement age with less than 3 but more than 1 year credited service, may waive his right to receive a monthly benefit and in lieu thereof, receive a lump sum payment without notice his employee contributions without receiving a monthly benefit.	Not applicable.	If a uniformed employee dies from the performance of his duties, a service-connected pension will be payable to his surviving spouse and connected health care benefit may be payable to his dependant children. Regular payments will be made of the appropriate cost of maintaining medical, dental, optical and pharmaceutical prescription benefits as well as life insurance coverage and to dependent children at death. Payments to the spouse cease upon remarriage and to dependent children at death.
Same as municipal.	Same as municipal.	With less than 3 but more than 1 year credited service, may waive his right to receive a monthly benefit and in lieu thereof, receive a lump sum payment without notice his employee contributions without receiving a monthly benefit.	Not applicable.	If age 18 (age 22 if full-time student), payments to the spouse cease upon remarriage and to dependent children at death.
50% of the benefit will continue to be paid to the surviving spouse for the remainder of her life, unless provided that the employee and his spouse were married for 2 years before marriage. If there is no eligible spouse at the time the employee dies, or if her children until age 18, or if no dependent children, pensioner 4 provides for a additional, option 4 provides for a pensioner for the remainder of their lives. In addition, pensioner 4 provides for a combination return of employee contributions as described in option 1 above.	50% of the benefit will continue to be paid to the surviving spouse for the remainder of her life, unless provided that the employee and his spouse were married for 2 years before marriage. If there is no eligible spouse at the time the employee dies, or if her children until age 18, or if no dependent children, pensioner 4 provides for a additional, option 4 provides for a pensioner for the remainder of their lives. In addition, pensioner 4 provides for a combination return of employee contributions as described in option 1 above.	With less than 3 but more than 1 year credited service, may waive his right to receive a monthly benefit and in lieu thereof, receive a lump sum payment without notice his employee contributions without receiving a monthly benefit.	With less than 3 but more than 1 year credited service, may waive his right to receive a monthly benefit and in lieu thereof, receive a lump sum payment without notice his employee contributions without receiving a monthly benefit.	With less than 3 but more than 1 year credited service, may waive his right to receive a monthly benefit and in lieu thereof, receive a lump sum payment without notice his employee contributions without receiving a monthly benefit.

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	MUNICIPAL (PLAN M)	UNIFORMED PLANS A AND J
Participation	Full-time employees participate on their date of employment. Temporary employees participate after completing 6 months service/participate after completing 6 months employment. Participation is limited to employees hired on or after January 8, 1987. Any members do not participate in this Plan.	Same as municipal.
Credited Service	Employees make contributions to the employee benefit system. Contributions to the employee benefit system go to the Bureau of Pay at the time of termination, rate of pay and longevity pay premium received during a 12-month period.	Same as municipal.
Total Compensation	Total compensation means the base rate of pay and longevity pay premium received during a 12-month period.	Same as municipal.
Final Compensation	Final compensation means the annual base rate of pay at the time of termination, including supplemental Civil Service Regulation received under Civil Service Regulation No. 32.	Same as municipal.
Average Final Compensation	Average final compensation means the arithmetic average of the total compensation received during the two calendar or anniversary years producing the highest average.	Same as municipal.
Employee Contributions	Total employee contributions equal 30% of the gross normal cost for all members in the municipal division.	Same as municipal.
Service Retirement	The service pension equals the sum of 2% of the employee's average final compensation multiplied by his years credited service to date if he has 10 or more years credited service. Alternatively, a member is eligible if he has 33 years credited service, regardless of age.	Same as municipal.
Eligibility	Each municipal employee is eligible to retire and receive a reduced service credit if he is age 40. Alternatively, a member is eligible if he has 25 years credited service, regardless of age.	Same as municipal.
Early Retirement	Each municipal employee is eligible to retire and receive a reduced service credit if he has 33 years credited service. Alternatively, a member is eligible if he has 10 or more years credited service to age 57 if he has 10 or more years credited service.	Same as municipal.
Benefit Amount	The service pension equals the sum of 2% of the employee's average final compensation multiplied by his years credited service.	Same as municipal.
Eligibility	Each municipal employee is eligible to retire and receive a reduced service credit if he has 10 or more years of credited service.	Same as municipal.
Early Retirement	Each municipal employee is eligible to retire and receive a reduced service credit if he has 33 years of credited service.	Same as municipal.
Benefit Amount	The service pension equals the sum of 2% of the employee's average final compensation multiplied by his years of credited service.	Same as municipal.

PLAN 87

	MUNICIPAL (PLAN M)	UNIFORMED (PLANS A AND J)
<i>Benefit Amounts</i>	The annual amount is calculated the same as service retirement, reduced by $\frac{1}{2}$ of 1% for each month the employee is younger than his minimum retirement age. Benefits are not reduced if the employee has 33 or more years of credited service.	The annual amount is calculated the same as service retirement, reduced by $\frac{1}{2}$ of 1% for each month the employee is younger than his minimum retirement age. Benefits are not reduced if the employee has 25 or more years of credited service.
Deferred Vested Retirement		
<i>Eligibility</i>	A terminating employee who completed 10 or more years credited service is eligible for a deferred vested retirement benefit provided he has not withdrawn his contributions.	Same as municipal.
<i>Benefit Amount</i>	The annual deferred vested benefit is determined the same as service pensions, based on average final compensation and credited service at termination. This benefit begins at his service retirement date. If the member dies before his deferred vested benefit begins, an ordinary death benefit is payable (see Ordinary Death below). Alternatively, the terminating employee may request at any time before benefits begin a return of employee contributions (without interest) in lieu of the deferred vested benefit.	
Withdrawal Benefit	Each terminating employee who has completed less than 10 years credited service will receive a withdrawal benefit equal to his employee contributions (without interest).	Same as municipal.
Service-Connected Death		
<i>Eligibility</i>	The beneficiary of each active employee who dies solely from the performance of duties of the employee's position with the City is eligible for an immediate death benefit.	Same as municipal.
<i>Benefit Amount</i>	The death benefit equals the sum of the total employee contributions paid to the Retirement System (without interest), plus a yearly payment of 60% of the employee's final compensation reduced by any death benefits payable under the Workers' Compensation Act.	Same as municipal.
	This benefit is payable to the spouse until her death or remarriage, whichever occurs first. The spouse is entitled to an additional 10% of final compensation yearly payment for each dependent child (up to two children) until the child reaches age 18. This total benefit shall not exceed 80% of final compensation.	

PLAN 87

MUNICIPAL (PLAN M)

UNIFORMED (PLANS A AND J)

If there is no spouse, or if the spouse dies or remarries, each dependent child (up to three children) is eligible for a yearly payment of 25% of final compensation until the child reaches age 18. If there is no spouse or dependent children, each dependent parent is entitled to a 15% of final compensation yearly payment for the remainder of his lifetime.

Ordinary Death

Eligibility

The beneficiary of an active employee (or a terminated vested employee who did not withdraw his employee contributions) who dies after completing 10 years credited service or who has reached 60 is eligible for an immediate death benefit equal to an annual pension or a lump sum payment, whichever the beneficiary chooses.

The beneficiary of an active employee who dies before completing 10 years credited service or reaching age 60 is eligible for a lump sum payment.

The beneficiary may be any relative by blood or marriage.

Annual Pension

The annual ordinary death pension, payable for life, is equal to the regular service pension the employee would have received had he been eligible to retire on the day before he died and had elected option 2, joint and 100% contingent annuitant (see Ordinary Disability below).

The beneficiary of any employee who dies while actively employed (or a terminated vested employee who did not withdraw his employee contributions) is eligible for a death benefit equal to an annual pension or a lump sum payment, whichever the beneficiary chooses.

The beneficiary may be any relative by blood or marriage.

The annual ordinary death pension, payable for life, is equal to the regular service pension the employee would have received (based on a minimum of 10 years service) had he been eligible to retire on the day before he died and had elected option 2, joint and 100% contingent annuitant (see Ordinary Disability below).

Same as municipal.

Lump Sum Payment

The lump sum payment is equal to 10% of the deceased employee's average final compensation multiplied by his years credited service to a maximum of 10, plus the deceased employee's contributions to the Retirement System (without interest), minus the total amount of the deceased employee's life insurance which was paid by the City.

Service-Connected Disability

Eligibility

An active employee found by the Board of Pensions and Retirement to be mentally or physically permanently incapacitated from any further performance of duties due solely to the result of the performance of duties is eligible for an immediate service-connected disability pension. The application for benefit must be made within one year after termination of employment.

Same as municipal.

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An active employee found by the Board to be mentally or physically permanently incapacitated from the further performance of duties due to an accident or illness not caused by the performance of duties is compensated for an indefinite ordinary disability benefit provided to him within one year after termination.

A same as municipal, except each eligible employee must be made within one year after termination.

The annual ordinary disability benefit is same as municipal, except each eligible employee is automatically credited with a minimum of 10 years service to calculate the annual benefit.

The application for benefit must be made within one year after termination. The application for benefit must be made within one year after termination. The application for benefit must be made within one year after termination. The application for benefit must be made within one year after termination. The application for benefit must be made within one year after termination. The application for benefit must be made within one year after termination.

The service-connected disability benefit is equal to the employee's contributions to the Retirement System; plus a yearly benefit of 70% of the employee's final compensation under the Workers' Compensation Act, reduced by any disability benefit payable under the Workers' Compensation Act.

Same as municipal.

Ordinary Disability

Benefits Amount

Eligibility

Benefits Amount

Survivor Benefits

The annual ordinary disability benefit is equal to the benefit credited to the employee during his employment under 3 optional forms, Options 2 and 3 ordinary disability benefits are payable under service-connected disability benefits, and service pensions, deferred vested benefits, received during his employment under 3 optional forms, Options 2 and 3 ordinary disability benefits are payable to the employee providing on his death, the employee is payable to the employee over the sum of the payments received to the excess, if any, of the employee's benefit will continue to be paid to the employee providing 100% of the reduced benefit will be deducted only 50% of the reduced benefit is continued to the designated beneficiary for life after the death of the employee.

Option 2 — a reduced benefit payable to the employee providing 100% of the reduced benefit will continue to be paid to the employee providing 100% of the reduced benefit will receive a lump sum equal to the excess, if any, of the employee's benefit will be deducted only 50% of the reduced benefit is continued to the death of the employee.

Option 3 — the same as option 2 except only 50% of the reduced benefit is continued to the death of the employee.

The same as municipal.

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Service-Connected Health Care Benefit	Not Available	In the event of the death of a uniformed employee resulting from the performance of his duties, a service-connected health care benefit may be payable to the surviving spouse and dependents of children.
Service-Connected Health Care Benefit	Not applicable.	Not applicable. In the event of the death of a uniformed employee resulting from the performance of his duties, a service-connected health care benefit may be payable to the dependents of children. Regular payments will be made of the appropriate cost of maintaining medical, dental, optical and pharmaceutical prescriptions benefits in force at the time of the employee's death. Premiums to the spouse cease upon remarriage and to dependent children at age 18 (age 22 if full-time student).

PLAN 87

Elected Plan

Participation	Any City employee elected on or after January 8, 1987, in any general, municipal, or special election, participates in this Plan.
Credited Service	Credited service means the period of employment with the City during which the employee makes contributions to the Retirement Systems. Certain leaves of absence may also be credited.
Total Compensation	Total compensation means the base rate of pay and longevity payments received during a 12-month period.
Final Compensation	Final compensation means the annual base rate of pay at the time of termination, including supplementary compensation received under Civil Service Regulation No. 32.
Average Final Compensation	Average final compensation means the arithmetic average of the total compensation received during the three calendar or anniversary years that produce the highest average.
Employee Contributions	Total employee contributions equal 30% of the gross normal cost for all members in the elected division calculated under the municipal plan plus 100% of the gross normal cost that exceeds the cost for the municipal plan.
Service Retirement	
Eligibility	Each elected official is eligible to retire and receive a service pension at age 55 if he has 10 or more years credited service.
Benefit Amounts	The service pension equals 3.5% of the employee's average final compensation multiplied by his years credited service.
Early Retirement	
Eligibility	Each elected official is eligible to retire if he has 33 years credited service, regardless of age.
Benefit Amounts	Benefits are not reduced if the employee has 33 or more years credited service.
Deferred Vested Retirement	
Eligibility	A terminating employee who has completed 10 or more years credited service is eligible for a deferred vested retirement benefit provided he has not withdrawn his contributions.
Benefit Amounts	The annual deferred vested benefit is determined in the same manner as service pensions, based on average final compensation and credited service at the time of termination. This benefit begins at the service retirement date. If the member dies before beginning his deferred vested benefit, an ordinary death benefit is payable (see Ordinary Death below).
	Alternatively, the terminating employee may request at any time before beginning benefits to receive a return of employee contributions (without interest) in lieu of the deferred vested benefit.
Withdrawal Benefit	Each terminating employee who completed less than 10 years credited service will receive a withdrawal benefit equal to his employee contributions (without interest).
Service-Connected Death	
Eligibility	The beneficiary of each active employee who dies solely from performing duties of the employee's position with the City is eligible for an immediate death benefit.

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Benefit Amount	Service-Connected Disability	Annual Pension	Eligibility	Ordinary Death	Benefit Amount
Disability benefit payable under the Workers' Compensation Act.	An active employee found by the Board of Pensions and Retirement to be mentally or physically permanently incapacitated from any further performance of duties due solely to the cessation of service(s) connected disability pension.	The lump sum payment is equal to 10% of the deceased employee's average final compensation multiplied by his years of service(s) which was paid by the City.	The beneficiary may be any relative by blood or marriage.	If there is no spouse, or if the spouse dies before completing 10 years credited service or reaching age 55 is eligible for a lump sum payment.	The beneficiary of an active employee who dies before completing 10 years credited service or reaching age 55 is eligible for a lump sum payment.
Disability benefit payable under the Workers' Compensation Act.	The beneficiary may be any relative by blood or marriage.	The lump sum payment is equal to 10% of the deceased employee's average final compensation multiplied by his years of service(s) which was paid by the City.	The beneficiary may be any relative by blood or marriage.	If there is no spouse, or if the spouse dies before completing 10 years credited service or reaching age 55 is eligible for a lump sum payment.	The beneficiary of an active employee who dies before completing 10 years credited service or reaching age 55 is eligible for a lump sum payment.
Disability benefit payable under the Workers' Compensation Act.	The beneficiary may be any relative by blood or marriage.	The lump sum payment is equal to 10% of the deceased employee's average final compensation multiplied by his years of service(s) which was paid by the City.	The beneficiary may be any relative by blood or marriage.	If there is no spouse, or if the spouse dies before completing 10 years credited service or reaching age 55 is eligible for a lump sum payment.	The beneficiary of an active employee who dies before completing 10 years credited service or reaching age 55 is eligible for a lump sum payment.
Disability benefit payable under the Workers' Compensation Act.	The beneficiary may be any relative by blood or marriage.	The lump sum payment is equal to 10% of the deceased employee's average final compensation multiplied by his years of service(s) which was paid by the City.	The beneficiary may be any relative by blood or marriage.	If there is no spouse, or if the spouse dies before completing 10 years credited service or reaching age 55 is eligible for a lump sum payment.	The beneficiary of an active employee who dies before completing 10 years credited service or reaching age 55 is eligible for a lump sum payment.

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PLAN 87	Eligibility	Ordinary Disability	Survivor Benefits	Service-Connected Health Care Benefit
An active employee found by the Board to be mentally or physically permanently incapacitated from the regular performance of duties due to an accident or illness not caused by the performance of duties is eligible for immediate ordinary disability benefit provided he has completed at least 10 years creditable service.	The annual ordinary disability benefit is equal to the benefit compensation and credited service as of the date of disbursement determined under the service pension formula using average final compensation and credited service as of the date of disbursement.	Disability benefits are payable under the service pension formula using average final compensation and credited service.	Benefits are payable under the service pension formula using average final compensation and credited service.	Benefit is equivalent to a lifetime ordinary pension while option 1 has no reduction.
An active employee found by the Board to be mentally or physically permanently incapacitated from the regular performance of duties due to an accident or illness not caused by the performance of duties is eligible for immediate ordinary disability benefit provided he has completed at least 10 years creditable service.	The annual ordinary disability benefit is equal to the benefit compensation and credited service as of the date of disbursement determined under the service pension formula using average final compensation and credited service.	Disability benefit payable under the service pension formula using average final compensation and credited service.	Benefits are payable under the service pension formula using average final compensation and credited service.	Benefit is equivalent to a lifetime ordinary pension while option 1 has no reduction.
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Benefit is equivalent to the reduced benefit to the employee.

6. Actuarial Cost Method, Factors, and Assumptions Used in Cost Determinations

The actuarial cost method, factors, and assumptions used in determining cost estimates are presented below.

Member Data: The member data used to determine cost estimates is pertinent information on active, retired, disabled, and deferred vested municipal and uniformed members of the City of Philadelphia Municipal Retirement System as supplied by the Philadelphia Board of Pensions and Retirement to the actuary.

Valuation Date: July 1, 1992.

Actuarial Cost Method: The costs of the System have been determined according to the individual entry age actuarial cost method. The Dombrowski unfunded actuarial accrued liability is amortized in level dollar payments over 40 years ending June 30, 2009 as ordered by the Court of Common Pleas of Philadelphia County. The remaining July 1, 1985 unfunded actuarial accrued liability is amortized over 40 years ending June 30, 2019 with payments increasing 6.0% per year. Changes in the actuarial accrued liability realized after July 1, 1985 are amortized in level dollar payments:

- Changes in actuarial assumptions – 20 years
- Experience gains and losses – 15 years
- Active members' benefit modifications – 20 years
- Nonactive members' benefit modifications – 10 years

Annual Rate of Withdrawal Prior to Retirement: The assumed annual rates of withdrawal may best be illustrated by the probabilities at quinquennial ages in Table 59:

Table 59
Withdrawal Probabilities at Quinquennial Ages

<i>Attained Age</i>	<i>Municipal and Elected Officials</i>		<i>Uniformed Unisex</i>
	<i>Males</i>	<i>Females</i>	
20	.180033	.164561	.042000
25	.135489	.150758	.040600
30	.083265	.109685	.033088
35	.048320	.074256	.019696
40	.034625	.053585	.011184
45	.027264	.042840	.000000
50	.021953	.034613	.000000
55	.000000	.000000	.000000

In addition, it is assumed a vested terminating employee (with 10 years service) will elect an employee contributions refund unless his age plus years of service at termination equal 55 or more (rule of 55), in which event he will be assumed to elect a deferred pension beginning at service retirement age.

Annual Rate of Disability Prior to Retirement: The assumed annual disability rates may best be illustrated by the probabilities at quinquennial ages in Table 60.

Table 60
Disability Probabilities at Quinquennial Ages

Attained Age	<i>Municipal and Elected Officials</i>		<i>Uniformed Unisex</i>
	<i>Males</i>	<i>Females</i>	
20	.000009	.000010	.000795
25	.000025	.000043	.000976
30	.000305	.000184	.001812
35	.001023	.000482	.003686
40	.002395	.001138	.006934
45	.005166	.002630	.012991
50	.009635	.005799	.016000
55	.012774	.008360	.016000
60	.013500	.009000	.016000
65	.000000	.000000	.000000

In addition, it is assumed 85% of all disabilities among municipal and elected members are ordinary (15% are service-connected) and 65% of all disabilities among uniformed members are ordinary (35% are service-connected).

Annual Rate of Mortality Prior to Retirement: It is assumed deaths among active municipal and elected male members may be represented by 80% of the UP-84 Mortality Table with ages set forward one year. Deaths among municipal and elected female members are assumed to be represented by 80% of the UP-84 Mortality Table with ages set back four years. In addition, it is assumed 97.5% of all deaths among active municipal and elected members are ordinary (2.5% are service-connected).

It is assumed deaths among active uniformed male members may be represented by 80% of the UP-84 Mortality Table with ages set forward one year. Deaths among uniformed female members are assumed to be represented by 80% of the UP-84 Mortality Table with ages set back four years. In addition, it is assumed 95% of all deaths among active uniformed members are ordinary (5% are service-connected).

Service Retirement: It is assumed active members in the 1967 Plan will retire according to the rates in Table 61.

Table 61
1967 Plan Service Retirement Rates

<i>Age</i>	<i>Municipal and Elected Officials</i>		<i>Uniformed Unisex</i>
	<i>Males</i>	<i>Females</i>	
45	—	—	.160
46	—	—	.110
47	—	—	.110
48	—	—	.120
49	—	—	.120
50	—	—	.120
51	—	—	.125
52	—	—	.145
53	—	—	.160
54	—	—	.160
55	.190	.150	.170
56	.120	.090	.200
57	.120	.110	.200
58	.100	.110	.200
59	.110	.100	.240
60	.110	.115	.240
61	.130	.115	.240
62	.300	.250	.280
63	.180	.180	.280
64	.210	.180	.320
65	.320	.280	.350
66	.200	.230	.350
67	.250	.230	.350
68	.200	.230	.350
69	.200	.250	.350
70+	1.000	1.000	1.000

The corresponding rates for members under Plan 87 are in Table 62.

Table 62
Plan 87 Service Retirement Rates

Age	Municipal and Elected Officials			Uniformed		
	Reduced Benefits	Full Benefits		Reduced Benefits	Full Benefits	
		First Year Eligible ^a	Subsequent Years		First Year Eligible ^a	Subsequent Years
40	-	-	-	.040	.500	.125
41	-	-	-	.040	.500	.125
42	-	-	-	.040	.500	.125
43	-	-	-	.040	.500	.125
44	-	-	-	.040	.500	.125
45	-	-	-	.040	.500	.125
46	-	-	-	.040	.480	.125
47	-	-	-	.040	.460	.125
48	-	-	-	.040	.440	.125
49	-	-	-	.040	.420	.125
50	-	-	-	.040	.400	.125
51	-	-	-	.040	.400	.125
52	.033	.450	.060	.040	.400	.125
53	.033	.420	.060	.040	.400	.140
54	.033	.390	.060	.040	.400	.150
55	.033	.360	.060	.040	.400	.170
56	.033	.330	.060	.040	.400	.190
57	.033	.300	.060	.040	.400	.215
58	.033	.300	.060	.040	.400	.225
59	.033	.300	.080	.040	.400	.225
60	.033	.300	.100	.040	.400	.230
61	.033	.350	.150	.040	.400	.230
62	.033	.430	.200	.040	.400	.245
63	.033	.500	.187	.040	.400	.295
64	.033	.500	.199	.040	.400	.265
65	.033	.600	.309	1.000	.400	1.000
66	.033	.600	.232	-	-	-
67	.033	.600	.214	-	-	-
68	.033	.600	.214	-	-	-
69	.033	.600	.238	-	-	-
70	1.000	.600	1.000	-	-	-

a. Earlier of age 60 and 10 years service, or 33 years service for municipal; earlier of age 50 and 10 years service, or 25 years service for police and fire; and 33 years service for elected officials.

Annual Rate of Mortality After Retirement: Postretirement mortality has been assumed to follow 110% of the UP-84 Mortality Table with ages set forward one year for males and to follow 110% of the UP-84 Mortality Table with ages set back four years for females. Post-disablement mortality has been assumed to follow the above-mentioned tables with the adjustment factors in Table 63 applied at each age.

Table 63
Mortality Adjustment Factors

Age	Adjustment Factor		Age	Adjustment Factor	
	Male	Female		Male	Female
47 and Earlier	5.40	6.90	62	1.57	2.00
48	4.59	5.87	63	1.51	1.93
49	4.10	5.24	64	1.46	1.86
50	3.78	4.83	65	1.40	1.79
51	3.46	4.42	66	1.35	1.73
52	3.19	4.07	67	1.32	1.68
53	2.86	3.66	68	1.30	1.66
54	2.59	3.31	69	1.30	1.66
55	2.38	3.04	70	1.24	1.59
56	2.16	2.76	71	1.19	1.52
57	1.94	2.48	72	1.19	1.52
58	1.84	2.35	73	1.13	1.45
59	1.73	2.21	74	1.10	1.41
60	1.67	2.14	75 and Later		1.08
61	1.62	2.07			1.38

Salary Scale: It is assumed salaries, including longevity and overtime, will increase at a compound annual rate of 6.0% per year.

Rate of Investment Return: It is assumed the assets of the fund will accumulate at a compound annual rate of 9% per year, net of the annual expenses incurred in the investment of the fund's assets by the equity and debt money managers contracted by the Board of Pensions and Retirement.

Expenses: The administrative expenses of servicing the Retirement System are based on the estimated operating budget of the Board of Pensions and Retirement for fiscal year 1992 excluding the costs of the money managers contracted to invest the fund's assets.

Value of Investments: Assets held by the fund are valued at market value as reported by the City. The difference between the market value of the assets reported and last year's assets projected forward at the rate of investment return is determined and four-fifths of this difference is deferred and recognized over the next four years one-fifth at a time.

Family Composition: It is assumed 70% of all active members and 60% of all nonactive members will be survived by a spouse and female (male) spouses are four years younger (older) than members.

Form of Annuity: It is assumed all members will elect Option 4 unless otherwise indicated in the participant's data.

Rate of Covered Payroll Growth: It is assumed the annual rate of growth of total covered payroll is 6% per year. This is supported by the actuarial experience study for the five year period ending June 30, 1989 that showed the adjusted growth rate of covered payroll averaged 5.8% for the period of the study.

7. Statement of Actuarial Present Value of Accrued Benefits Under GASB Statement No. 5

The Governmental Accounting Standards Board (GASB) Statement No. 5 relates to the disclosure of pension liabilities on a public employer's financial statements. Beginning in 1987, GASB Statement No. 5 must be followed by any public employee retirement system following generally accepted accounting principles (GAAP).

The disclosures required by GASB Statement No. 5 provide users with information to assess the funding status of retirement systems on a going-concern basis, progress made in accumulating assets to pay benefits when due, and whether employers are making actuarially determined contributions to plans.

Footnote disclosures required by GASB Statement No. 5 include a description of the plan, a summary of significant accounting policies and actuarial assumptions, the plan's funding status using a standardized measure of pension obligation, and contributions required and contributions made during the period. The standardized measure of the pension obligation is the actuarial present value of credited projected benefits prorated on service. 10-year historical trend information is to be included as required supplementary information. This historical information need not be supplied retroactively if information is not available.

It has been our interpretation of GASB No. 5 that vested liabilities do not include liabilities for future salary increases. Therefore, all liabilities for salary increases for vested members are included in nonvested liabilities.

Pension liabilities under GASB No. 5 are in Table 64.

Table 64

**GASB Statement No. 5, Disclosure Information
as of July 1, 1992
(Thousands)**

Current Employees

Employee Contributions	\$ 354,341
Employer-Financed Vested	1,075,865
Employer-Financed Non-Vested	330,432

Nonactive Participants

Retirees and Beneficiaries Currently Receiving Benefits and Terminated Employees Not Yet Receiving Benefits	<u>2,475,371</u>
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Total Pension Benefit Obligation	\$4,236,009
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Assets at Cost Value (Market Value = \$1,961,513)	<u>1,848,182</u>
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Unfunded Pension Benefit Obligation	\$2,387,827
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Table 49

Average Monthly Pension of Disabled and Retired Police (1967 Plan) Members, July 1, 1992

Age	Average Monthly Pension Amounts						Total		
	Disabled			Retired					
	Prior	New	Total	Prior	New	Total	Prior	New	Total
UNDER 45	1,567.89	1,868.37	1,605.13	521.34	913.34	545.34	1,300.94	1,738.14	1,348.47
45-49	1,330.18	2,022.04	1,373.24	1,328.41	1,714.39	1,426.27	1,329.21	1,776.48	1,405.11
50-54	1,100.60	2,014.15	1,116.44	1,292.87	1,968.64	1,349.93	1,242.78	1,971.51	1,292.23
55-59	948.68	1,969.41	959.10	1,197.86	1,930.10	1,229.29	1,137.68	1,932.78	1,165.69
60-64	848.87	2,771.36	866.14	1,137.27	2,045.47	1,456.85	1,062.92	2,136.21	1,082.62
65-69	836.45	3,237.53	845.37	1,066.02	1,549.87	1,079.63	996.89	1,638.70	1,010.30
70-74	814.81	0.00	814.81	653.10	391.63	649.92	687.35	393.63	684.50
75-79	783.72	0.00	783.72	545.79	408.17	542.66	576.39	408.17	573.04
80-84	697.55	0.00	697.55	427.31	275.00	425.24	442.76	275.00	440.61
OVER 84	700.00	0.00	700.00	395.47	381.09	395.18	402.33	381.09	401.90
TOTAL	1,111.87	1,967.03	1,147.49	984.06	1,689.07	1,027.44	1,020.11	1,746.50	1,060.79

Note: Prior indicates lives whose benefit payments began more than one year before the valuation date; New indicates lives whose benefit payments began in the year preceding the valuation date.

Table 50

Number of Disabled and Retired Five (1967 Plan) Members, July 1, 1992

Age	Disabled			Number of Lives			Retired			Total		
	Prior		Total	Prior		New	Total	Prior		New	Total	
	Prior	New	Total	Prior	New	Total	Prior	New	Total	Prior	New	Total
UNDER 45	52	33	85	37	1	38	89	34	34	123		
45-49	111	10	121	129	80	209	240	90	90	330		
50-54	115	3	118	195	60	255	310	63	63	373		
55-59	60	2	62	248	29	277	308	31	31	339		
60-64	50	0	50	217	12	229	267	12	12	279		
65-69	67	0	67	330	4	334	397	4	4	401		
70-74	76	0	76	431	13	444	507	13	13	520		
75-79	27	0	27	444	9	453	471	9	9	480		
80-84	24	0	24	269	6	275	293	6	6	299		
OVER 84	4	0	4	138	5	143	142	5	5	147		
TOTAL	586	48	634	2,438	219	2,657	3,024	267	267	3,291		

Note: Prior indicates lives whose benefit payments began more than one year before the valuation date; New indicates lives whose benefit payments began in the year preceding the valuation date.

Table 51
Total Monthly Pensions of Disabled and Retired Fire (1967 Plan) Members, July 1, 1992

<i>Age</i>	<i>Disabled</i>			<i>Retired</i>			<i>Total</i>		
	<i>Prior</i>	<i>New</i>	<i>Total</i>	<i>Prior</i>	<i>New</i>	<i>Total</i>	<i>Prior</i>	<i>New</i>	<i>Total</i>
UNDER 45	70,347.17	62,222.38	132,569.55	20,967.92	719.21	21,687.13	91,315.09	62,941.59	154,256.68
45-49	148,092.29	20,775.07	168,867.36	170,830.79	154,559.90	325,390.69	318,923.08	175,334.97	494,258.05
50-54	162,203.85	6,805.35	169,009.20	291,610.52	144,224.33	435,834.85	453,814.37	151,029.68	604,844.05
55-59	84,181.55	6,203.93	90,385.48	347,541.01	73,890.58	421,431.59	431,722.56	80,094.51	511,817.07
60-64	59,662.96	0.00	59,662.96	251,321.60	29,110.27	280,431.87	310,984.56	29,110.27	340,094.83
65-69	65,733.31	0.00	65,733.31	335,205.13	2,838.74	338,043.87	400,938.44	2,838.74	403,777.18
70-74	67,717.12	0.00	67,717.12	329,140.74	4,242.99	333,383.73	396,857.86	4,242.99	401,100.85
75-79	22,042.70	0.00	22,042.70	270,061.28	2,741.55	272,802.83	292,103.98	2,741.55	294,845.53
80-84	18,290.08	0.00	18,290.08	151,453.89	1,823.81	153,277.70	169,743.97	1,823.81	171,567.78
OVER 84	2,900.00	0.00	2,900.00	53,343.80	3,004.68	56,348.48	56,243.80	3,004.68	59,248.48
TOTAL	701,171.03	96,006.73	797,177.76	2,221,476.68	417,156.06	2,638,632.74	2,922,647.71	513,162.79	3,435,810.50

Note: *Prior* indicates lives whose benefit payments began more than one year before the valuation date; *New* indicates lives whose benefit payments began in the year preceding the valuation date.

Table 52

Average Monthly Pension of Disabled and Retired Five (1967 Plan) Members, July 1, 1992

Age	Disabled			Average Monthly Pension Amounts			Retired			Total		
	Prior	New	Total	Prior	New	Total	Prior	New	Total	Prior	New	Total
UNDER 45	1,352.83	1,885.53	1,559.64	566.70	719.21	570.71	1,026.01	1,851.22	1,254.12			
45-49	1,334.16	2,077.51	1,395.60	1,324.27	1,932.00	1,556.89	1,328.85	1,948.17	1,497.75			
50-54	1,410.47	2,268.45	1,432.28	1,495.44	2,403.74	1,709.16	1,453.92	2,397.30	1,621.57			
55-59	1,403.03	3,101.97	1,457.83	1,401.38	2,547.95	1,521.41	1,401.70	2,581.69	1,509.78			
60-64	1,193.26	0.00	1,193.26	1,158.16	2,425.86	1,224.59	1,164.74	2,425.86	1,218.98			
65-69	981.09	0.00	981.09	1,015.77	709.68	1,012.11	1,009.92	709.68	1,006.93			
70-74	891.01	0.00	891.01	763.67	326.38	750.86	782.76	326.38	771.35			
75-79	816.40	0.00	816.40	608.25	304.62	602.21	620.18	304.62	614.26			
80-84	762.09	0.00	762.09	563.03	303.97	557.37	579.33	303.97	573.81			
OVER 84	725.00	0.00	725.00	386.55	600.94	394.05	386.08	600.94	403.05			
TOTAL	1,196.54	2,000.14	1,257.38	911.19	1,904.82	993.09	966.48	1,921.96	1,044.00			

Note: Prior indicates lives whose benefit payments began more than one year before the valuation date; New indicates lives whose benefit payments began in the year preceding the valuation date.

4. Financial Experience of Fund

The July 1, 1992 Retirement System assets are \$1,961,512,646 on a market value basis and \$1,848,181,829 on a cost value basis. A summary of the asset holdings is in Table 53. The receipts and disbursements statement is in Table 54. Table 55 itemizes City contributions for the year ending June 30, 1992 and Table 56 summarizes 1992 fiscal year administrative expenses. Table 57 shows July 1, 1992 adjusted market value of assets under the 5-year spread gain asset valuation method. Table 58 shows the July 1, 1992 allocation of the adjusted assets between all divisions.

Table 54 showing the fund's receipts and disbursements during the fiscal year ending June 30, 1992 also shows employee, City, and State contributions are approximately 57% of the yearly receipts. On the disbursement side, benefit payments were approximately 95% of all disbursements, on a market value basis.

Below is a summary of the approximate rates of return for the year compared to last year.

Rates of Return Comparison

	<i>Fiscal Year Ending</i>	
	<i>June 30, 1991</i>	<i>June 30, 1992</i>
Cost Value	3.3%	11.9%
Market Value	4.3%	10.0%
Adjusted Market Value	7.7%	7.5%

Table 57 derives the adjusted market value of assets used in the cost calculations. All assets are valued each year at market value and compared to the expected value of assets based on a 9% return assumption. The difference is spread equally over the current year and the next 4 years.

Table 58 shows the July 1, 1992 asset allocation used for valuation purposes between all divisions. As required under Act 205, experience gains and losses and changes in the unfunded actuarial accrued liability due to plan amendments and/or changes in actuarial assumptions must be reported separately for each participating division. For the valuation, assets must be allocated between the divisions; however, this allocation does not constitute a legal separation of the assets.

The table begins with July 1, 1991 valuation assets. These assets were allocated by the actuarial accrued liability as of July 1, 1985. The noninvestment transactions (item 2, Table 58), other than administrative expenses attributable to each division, were provided by the City of Philadelphia's Finance Department. Administrative expenses were allocated based on

the member count of each division as of the beginning of the fiscal year. Investment income (net of investment expenses) was allocated in proportion to the mean fund balance as of the valuation date before recognizing fund earnings.

Table 53

Statement of Assets and Liabilities
(Fiscal Year Ending June 30, 1992)

	<i>Cost Value</i>	<i>Market Value</i>
Assets		
Cash	\$ 43,956,990	\$ 43,956,990
Investment Accounts	1,789,065,071	1,902,395,888
Due from Other Funds	1,792,758	1,792,758
Accounts Receivable*	5,559,160	5,559,160
Interest and Dividends Receivable	12,490,135	12,490,135
Due from Other Governmental Units	1,436,104	1,436,104
Other Assets	<u>11,220</u>	<u>11,220</u>
Total Assets	\$ 1,854,311,438	\$ 1,967,642,255
Liabilities		
Vouchers Payable	\$ 175,243	\$ 175,243
Accounts Payable	1,700,609	1,700,609
Salaries and Wages Payable	42,988	42,988
Accrued Expenses	1,231,810	1,231,810
Due to Other Funds	1,819	1,819
Funds Held in Escrow	3,066	3,066
Deferred Revenue	2,750,117	2,750,117
Other Liabilities	<u>223,957</u>	<u>223,957</u>
Total Liabilities	\$ 6,129,609	\$ 6,129,609
Fund Balance	\$ 1,848,181,829	\$ 1,961,512,646

a. Includes employee contributions receivable of \$1,037,281 because of plan amendment changing District Council 47 employees' plan status.

Table 54
Statement of Receipts and Disbursements

	<i>Cost Value</i>	<i>Market Value</i>
Balance as of July 1, 1991	\$ 1,673,670,258	\$ 1,804,078,797
Receipts		
Contributions:		
Commonwealth of Pennsylvania		
<i>Supplemental State Aid (Act 205)</i>	\$ 13,885,656	\$ 13,885,656
City of Philadelphia*	209,807,358	209,807,358
Employees ^b	45,873,248	45,873,248
Quasi-Public Agencies	4,756,635	4,756,635
Interest and Dividends	73,509,220	73,509,220
Gain from Sale of Investments	129,959,778	129,959,778
Miscellaneous Operating Revenues	<u>684,756</u>	<u>684,756</u>
Total Receipts	\$ 478,476,651	\$ 478,476,651
Disbursements		
Withdrawals	\$ 5,723,196	\$ 5,723,196
Benefit Payments	287,797,557	287,797,557
Administrative Expenses	4,073,894	4,073,894
Investment Manager Fees	<u>6,370,433</u>	<u>6,370,433</u>
Total Disbursements	\$ 303,965,080	\$ 303,965,080
Change in Unrealized Appreciation/ Depreciation	—	\$ (17,077,722)
Balance as of July 1, 1992	\$ 1,848,181,829	\$ 1,961,512,646
Approximate Return on Investments During Year	11.9 %	10.0 %

- a. Includes Commonwealth of Pennsylvania general state aid and COLA reimbursement.
- b. Includes \$1,037,281 in employee contributions receivable because of plan amendment changing District Council 47 employees' plan status.

Table 55
Fiscal 1992 City Contributions

<i>Date</i>	<i>Amount</i>
April 15, 1992	\$ 8,000,000
May 15, 1992	23,000,000
June 16, 1992	167,720,533
June 23, 1992	8,500,000
Various	4,756,635*
Accrued	<u>2,586,826</u>
Total	\$ 214,563,994

a. Quasi-public agencies.

Table 56

Statement of Administrative Expenses
for Year Ending June 30, 1992

Personal Services	\$1,505,181
Purchase of Services	1,628,932
Materials and Supplies	50,478
Employer's Share of Fringe Benefits	741,604
Miscellaneous	<u>147,699</u>
Total	\$4,073,894

Table 57

Derivation of Assets for Valuation Purposes

as of July 1, 1992

5-Year Spread Gain Method

<i>July 1 Total Gain or (Loss)</i>						<i>Unrecognized Amount</i>
	<i>1988</i>	<i>1989</i>	<i>1990</i>	<i>1991</i>	<i>1992</i>	
1988	\$ (119,614,517)	\$ (23,922,904)	\$ (23,922,903)	\$ (23,922,903)	\$ (23,922,903)	\$ 0
1989	66,836,337	—	13,367,268	13,367,268	13,367,267	13,367,267
1990	1,084,726	—	—	216,945	216,945	433,890
1991	(81,684,057)	—	—	(16,336,811)	(16,336,811)	(49,010,435)
1992	18,670,166	—	—	—	3,734,034	14,936,132
Total						\$ (20,273,146)
1. July 1, 1992 Market Value						\$1,961,512,646
2. Unrecognized Gain/(Loss)						<u>(20,273,146)</u>
3. July 1, 1992 Adjusted Market (1) - (2)						\$1,981,785,792