

REPORT ON THE SIXTY-SIXTH VALUATION OF  
THE EMPLOYEES' RETIREMENT SYSTEM OF  
THE CITY OF PROVIDENCE  
AS OF JUNE 30, 1993

BUCK  
CONSULTANTS

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THE EMPLOYEES' RETIREMENT SYSTEM OF  
THE CITY OF PROVIDENCE  
AS OF JUNE 30, 1993

IN CITY COUNCIL

AUG 4 1994

READ

WHEREUPON IT IS ORDERED THAT  
THE SAME BE RECEIVED.

*Michael L. Clement* CLERK

**BUCK  
CONSULTANTS**

10 Post Office Square Suite 600N  
Boston, Massachusetts 02109-4603

June 6, 1994

Retirement Board  
Employees' Retirement System of  
the City of Providence  
City Hall  
Providence, Rhode Island 02903

Dear Board Members:

Section 3(8) of the Act provides that the actuary for the Retirement System shall make an annual valuation of the assets and liabilities of the funds of the System. Based on our valuation as of June 30, 1992 we certify the following contributions for the fiscal year beginning July 1, 1993 which were paid on August 30, 1993.

Class A	\$ 6,309,482
Class B	<u>11,788,043</u>
Total	\$ 18,097,525

The above amounts are based on the assumptions, procedures and benefit provisions fully documented in our June 30, 1992 report, except that prospective COLA adjustments were revised to reflect the provisions of the Ordinance approved by the City Council on January 10, 1994.

Very truly yours,



Stephen G. Peterson  
Consulting Actuary

SGP:GHH  
DOC:04238ga

**BUCK  
CONSULTANTS**

10 Post Office Square Suite 600N  
Boston, Massachusetts 02109-4603

December 21, 1993

Retirement Board  
Employees' Retirement System of the  
City of Providence  
City Hall  
Providence, Rhode Island 02903

Dear Board Members:

This report presents the results of the sixty-sixth actuarial valuation of the system, prepared as of June 30, 1993, together with the contribution rate required by the City in the fiscal period July 1, 1994 to June 30, 1995. All adopted benefit improvements are assumed to be funded through the system.

The Table of Contents, which immediately follows, outlines the material contained in the report.

Respectfully submitted,

(Signed) STEPHEN G. PETERSON

Stephen G. Peterson  
Consulting Actuary

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**REPORT ON THE SIXTY-SIXTH VALUATION OF THE  
EMPLOYEES' RETIREMENT SYSTEM OF THE  
CITY OF PROVIDENCE  
AS OF JUNE 30, 1993**

**SECTION I - SUMMARY OF PRINCIPAL RESULTS**

1. For convenience of reference, the principal results of the current and preceding valuations are summarized below:

<b>Valuation Date</b>	<b>6/30/92</b>	<b>6/30/93</b>
Number of active members	2,943*	2,875*
Annual salaries	\$ 78,347,210	\$ 78,199,859
Number of beneficiaries	2,685	2,749
Annual retirement allowances	\$ 28,136,792	\$ 32,150,354
Elected officers receiving special pensions	28	29
Assets for valuation purposes (5 year average)	\$ 266,165,623	\$ 278,543,953
Unfunded accrued liability	\$ 306,796,058	\$ 345,358,282
Contribution rates required		
Class A	21.45%	23.00%
Class B	46.78%	51.07%

\* There are also 7 active Chapter 2101 teachers.

2. Comments on the valuation results as of June 30, 1993 are given in Section IV and the appropriation payable by the City during the fiscal period beginning July 1, 1994 is set out in Section V.
3. The valuation was based on the assumptions as outlined in Schedule B of this report.

4. Schedule D of this report presents a summary of the main provisions of the act governing the system, as interpreted in preparing the actuarial valuation. Those changes to the system which were implemented as a result of the December, 1991 Superior Court decision and became effective on or before June 30, 1993 were reflected in this valuation.

## SECTION II - EMPLOYEE DATA

1. Employee data were furnished by the City Controller.
2. Tables 1 and 2 of Schedule E show the number and annual salaries of active members excluding Chapter 2101 teachers who were included in the valuation, while the remaining tables of Schedule E show the number and annual retirement allowances of beneficiaries on the roll as of June 30, 1993.

## SECTION III - ASSETS

1. The amount of the assets taken into account in the valuation was obtained from information submitted by the Pension Administrator.
2. The market value of the assets of the system as of June 30, 1993 was \$294,480,579 including a receivable of \$24,862,040 appropriated for payment in the fiscal year ended June 30, 1994. Of this amount, \$293,514,252 is attributable to the General Funds, \$751,478 to the School Teacher Funds and \$214,849 to the Elected Officer Funds.
3. The amount of assets used for valuation purposes was determined by the use of a five-year moving average of market values. This procedure produced a value of \$278,758,802. The assets used for valuation purposes consist of \$278,543,953 which excludes Elected

Officers Funds. Schedule C of this report presents the calculation used in the determination of the adjusted value for the valuation.

#### SECTION IV - COMMENTS ON VALUATION

1. Schedule A of this report presents the results of the valuation and shows the present and prospective assets and liabilities of the retirement system excluding the Elected Officer Funds as of June 30, 1993. Actuarial liabilities consist of \$56,464,956, which equals the contributions of active members; plus \$405,790,262, which equals the present value of obligations to retired members and their beneficiaries; plus \$313,097,623, which equals the value of prospective benefits of active members which are to be paid by the City. These amount to \$775,352,841. Against these prospective liabilities the System has assets of \$278,543,953, which includes \$56,464,956 attributable to contributions of active members. The City's contribution consists of a normal contribution which is to cover currently accruing liabilities, and a deficiency contribution which is to cover the liabilities on account of past service. The development of contributions on this basis is shown in Schedule A and indicates the total contribution rate would be 23.00% for Class A members and 51.07% for Class B members. Based on the compensation of active members as of June 30, 1993 the total contribution amounts to \$26,964,454.
2. In addition, the City is to contribute each year an amount sufficient to provide for the payment of the special pensions to elected officers on a pay-as-you-go basis.



SECTION V - APPROPRIATION PAYABLE BY CITY

1. Schedules A gives the basis for determining the appropriation payable by the City during the fiscal period beginning July 1, 1994. In accordance with the law governing the operation of the retirement system, we recommend that contributions be based on the 100% funding basis which requires contribution rates of 23.00% for Class A members and 51.07% for Class B members. These rates include provisions for amortizing the unfunded prior service liability as of June 30, 1993 over a 35 year period from that date assuming that payroll would increase by 5 percent per annum. If these rates are applied to the annual compensation of active members included in the actuarial valuation as of June 30, 1993, contributions are payable by the City for the fiscal year beginning July 1, 1994 as shown on the following page.

Group	Amount
<b>Class A:</b>	
General	\$ 6,321,045
School	2,131,209
School Crossing Guards	206,298
Water	1,427,056
EHOP Program	5,408
JTPA	150,040
North Burial Ground	28,282
Chapter I	161,834
Chapter II	5,936
Special Education	4,225
Indirect Cost	34,950
Other Funds	116,589
Vocational Education	<u>36,303</u>
Total Class A	\$ 10,629,175
<b>Class B:</b>	
Fire	\$ 9,420,411
Police	<u>6,914,868</u>
Total Class B	\$ 16,335,279
<b>Grand Total</b>	<b>\$ 26,964,454</b>

2. An appropriation of \$4,866,407 is being paid by the City in level annual contributions of \$514,238 over a 20 year period beginning June 30, 1981. This is in addition to the amounts shown in the above table.
3. In addition, the City should contribute an amount sufficient to provide for the payment of the special pensions to elected officers on a pay-as-you-go basis. Any deficiency which arises on account of elected officers whereby the contribution paid for a fiscal year is not sufficient to cover the special pensions paid that year to such retired members should be met by a special contribution by the City.

SECTION VI - STATEMENT NO. 5 OF THE GOVERNMENTAL  
ACCOUNTING STANDARDS BOARD

Based on our interpretation of Statement 5 of the Governmental Accounting Standards Board, the pension benefit obligations for the System were \$566,199,000 and \$616,875,000 computed as of June 30, 1992 and June 30, 1993, respectively. The pension benefit obligation exceeded the market value of assets by \$285,591,000 as of June 30, 1992 and by \$322,609,000 as of June 30, 1993 as shown below:

1. Pension benefit obligation	<u>June 30, 1992</u>	<u>June 30, 1993</u>
A. Retirees and beneficiaries currently receiving benefits and terminated employees entitled to benefits but not yet receiving them	\$ 354,586,000	\$ 405,790,000
B. Current employees		
i. Accumulated employee contributions	53,867,000	56,465,000
ii. Employer-financed vested	71,465,000	67,985,000
iii. Employer financed non-vested accrued	29,141,000	30,156,000
iv. additional value of accrued benefits due to future salary increases	57,140,000	56,479,000
C. Total	\$ 566,199,000	\$ 616,875,000
2. Market value of assets including receivable contribution and excluding elected officers fund	\$ 280,608,000	\$ 294,266,000
3. Excess of pension benefit obligation over market value of assets	\$ 285,591,000	\$ 322,609,000
4. Funded ratio (2. ÷ 1C.)	49.6%	47.7%

The above values do not reflect future credited service for active members.  
The following page is a summary of the funded status of the System during the past 7 years.

**Analysis of Funding Progress**  
**(\$,000)**

<b>As of</b>	<b>Net Assets (Market)</b>	<b>Pension Benefit Obligation</b>	<b>Percentage Funded</b>	<b>Unfunded Pension Benefit Obligation</b>	<b>Annual Covered Payroll</b>	<b>Unfunded Benefit Oblig. as a % of Covered Payroll</b>
6/30/93	\$ 294,266	\$ 616,875	47.7%	\$ 322,609	\$ 78,200	413%
6/30/92	280,608	566,199	49.6	285,591	78,347	365
6/30/91	263,829	425,616	62.0	161,787	74,075	218
6/30/90	245,148	385,597	63.6	140,449	75,456	186
6/30/89	222,348	339,833	65.4	117,485	69,996	168
6/30/88	202,465	323,502	62.6	121,037	64,518	188
6/30/87	207,358	307,624	67.4	100,266	60,007	167

SCHEDULE A

**RESULTS OF THE VALUATION AS OF JUNE 30, 1993**  
**(Excluding Elected Officer Funds)**

	<b>Class A</b>	<b>Class B</b>	<b>Total</b>
<b>1. Actuarial Liabilities</b>			
(a) Contributions of active members accumulated to date	\$ 30,522,928	\$ 25,942,028	\$ 56,464,956
(b) Present value of benefits payable to retired members and beneficiaries including benefits payable on death	124,300,342	281,489,920	405,790,262
(c) Present value of benefits to be paid by contributions of the City on account of active members	128,885,204	184,212,419	313,097,623
(d) Total actuarial liabilities	283,708,474	491,644,367	775,352,841
<b>2. Assets of the System for Valuation Purposes</b>	\$ 104,652,897	\$ 173,891,056	\$ 278,543,953
<b>3. Future Employee Contributions</b>	\$ 17,855,661	\$ 32,572,633	\$ 50,428,294
<b>4. Total Prospective Contributions by the City (1(d) minus 2 and 3)</b>	\$ 161,199,916	\$ 285,180,678	\$ 446,380,594
<b>5. Normal Contribution Rates (For Average New Entrant)</b>	10.16%	16.90%	
<b>6. Present Value of Future Salaries of Present Active Members</b>	\$ 390,288,800	\$ 363,130,000	
<b>7. Present Value of Future Normal Contributions By City (5. x 6.)</b>	\$ 39,653,342	\$ 61,368,970	\$ 101,022,312
<b>8. Balance - Unfunded Accrued Liability</b>	\$ 121,546,574	\$ 223,811,708	\$ 345,358,282

	Class A	Class B	Total
<b>9. Total Contribution Rates</b>			
(a) Contribution rate to liquidate unfunded accrued liability over 35 years	12.84%	34.17%	
(b) Normal contribution rates	10.16%	16.90%	
(c) Total contribution rates	23.00%	51.07%	
<b>10. Payroll</b>	\$ 46,213,803	\$ 31,986,056	\$ 78,199,859
<b>11. Contribution</b>	\$ 10,629,175	\$ 16,335,279	\$ 26,964,454

SCHEDULE B

## OUTLINE OF ACTUARIAL ASSUMPTIONS AND METHODS

INTEREST RATE:  $8\frac{1}{2}\%$  per annum, compounded annually for General Funds and School Teacher Funds.

SEPARATIONS FROM ACTIVE SERVICE: Representative values of the assumed annual rates of withdrawal and deferred retirement, disability, death and service retirement among members in active service are as follows:

CLASS A

Age	Retirement	Disability	
		Ordinary	Accidental
20		.0005	.0002
25		.0006	.0003
30		.0006	.0003
35		.0010	.0005
40		.0016	.0008
45	.0671	.0025	.0012
50	.0925	.0037	.0018
55	.0859	.0051	.0026
59	.1138	.0074	.0037
60	.1229	.0083	.0042
64	.1741	.0125	.0062
65	.2500	.0136	.0068
70	.2500	.0136	.0068
75	1.0000		

Age	Withdrawal and Deferred Retirement	Death	
		Ordinary	Accidental
20	.1413	.00025	.00001
25	.1206	.00032	.00002
30	.0644	.00040	.00002
35	.0473	.00050	.00003
40	.0389	.00064	.00004
45	.0272	.00099	.00006
50	.0174	.00163	.00010
54	.0101	.00242	.00015
55		.00266	.00016
60		.00382	.00023
65		.00562	.00034
70		.00795	.00048
74		.01051	.00064

**CLASS B**

Age	Withdrawal and Deferred Disability	Disability		Death	
		Ordinary	Accidental	Ordinary	Accidental
20	.0258	.0003	.0008	.0006	.0004
25	.0183	.0005	.0012	.0007	.0004
30	.0104	.0007	.0018	.0008	.0005
35	.0046	.0010	.0024	.0011	.0007
40	.0029	.0014	.0036	.0014	.0010
45	.0024	.0026	.0064	.0018	.0012
50		.0044	.0110	.0026	.0017
55			.0158	.0034	.0023
59			.0206	.0049	.0032

Age	Retirement
40	.07403
45	.07599
50	.08004
55	.08860
59	.10238
60	.25000
64	.25000
65	1.00000

**SALARY INCREASES:** 5% per year.

**DEATHS AFTER RETIREMENT:** According to the tables revised for retirements on and after June 30, 1990 to produce the following life expectancies.

Age	CLASS A				CLASS B	
	Service		Disability		Service	Disability
	Male	Female	Male	Female		
50	26.364	31.257	19.860	21.289	26.364	24.454
55	22.451	27.166	17.325	18.151	22.451	21.475
60	18.747	23.219	14.791	15.136	18.747	18.511
65	15.313	19.468	12.322	12.311	15.313	15.623
70	12.208	15.975	9.989	9.744	12.208	12.878



**VALUATION METHOD:** Projected benefit method with aggregate level entry age normal cost and open-end supplemental liability. Gains and losses are reflected in the period remaining to liquidate the unfunded accrued liability.

**ASSET VALUATION METHOD:** 5-year moving average of market values.

SCHEDULE C

## DETERMINATION OF ADJUSTED ASSET VALUE

The adjusted asset value is determined under a five-year moving average method as follows:

June 30	Market Value	Net Cash Flow During Preceding Year
1993	\$ 294,480,579	\$ 3,708,830 x 4 = \$ 14,835,320
1992	280,607,660	16,199,265 x 3 = 48,597,795
1991	263,828,762	6,471,824 x 2 = 12,943,648
1990	245,147,571	11,004,797 x 1 = 11,004,797
1989	222,347,877	
Total	\$ 1,306,412,449	\$ 87,381,560

Adjusted Asset Value =  $(\$1,306,412,449 \div 5) + (\$87,381,560 \div 5)$  or \$278,758,802

Net cash flow consists of contributions and investment income, excluding capital gains and losses, minus benefit payments and expenses, if any, charged to the trust.

The adjusted net cash flows serve to bring each market value up to the valuation date except for realized and unrealized capital gains and losses.

SCHEDULE D

**SUMMARY OF MAIN PROVISIONS OF RETIREMENT SYSTEM  
AS INTERPRETED FOR VALUATION PURPOSES**

**1 - BENEFITS**

"Final compensation" means the highest base compensation including longevity pay earned by a member during any one year of service as an employee.

"Service" means employment by the City plus any purchased service.

**Service Retirement Allowance**

**Conditions for Allowance**

The minimum age for service retirement for Class A members is age 55 or the age at which 23 years of service are completed if earlier, and for Class B members age 55 or the age at which 20 years of service are completed if earlier.

**Amount of Allowance**

**Provided by Member**

An annuity which is the actuarial equivalent of his accumulated contributions at the time of his retirement, and

**Provided by City**

If the member is a Class A member, a pension which when added to his normal annuity, exclusive of any excess annuity, will give a total retirement allowance of 1/40 of his final compensation for each year of total service credited not in excess of 20 years plus 1/50 of his final compensation for each year of total service credited in excess of 20 years.

If the member is a Class B member, a pension which when added to his normal annuity, exclusive of any excess annuity, will give a total retirement allowance of 1/40 of his final compensation for each year of total service credited not in excess of 20 years plus

1/50 of his final compensation for each year of total service credited in excess of 20 years but not in excess of 32 years and 6 months.

## Deferred Retirement Allowance

### Conditions for Allowance

A member who has completed at least 10 years of service may retire and receive a deferred retirement allowance commencing at the minimum age for service retirement.

### Amount of Allowance

#### Provided by Member

A deferred annuity which is the actuarial equivalent of his accumulated contributions, and

#### Provided by City

If the member is a Class A member, a deferred pension which when added to his normal annuity, exclusive of any excess annuity, will give a total retirement allowance of 1/40 of his final compensation for each year of total service credited not in excess of 20 years plus 1/50 of his final compensation for each year of total service credited in excess of 20 years.

If the member is a Class B member, a deferred pension which when added to his normal annuity, exclusive of any excess annuity, will give a total retirement allowance of 1/40 of his final compensation for each year of total service credited not in excess of 20 years plus 1/50 of his final compensation for each year of total service credited in excess of 20 years but not in excess of 32 years and 6 months.

## Ordinary Disability Retirement Allowance

### Conditions for Allowance

After 10 years of service, a member under the minimum age for service retirement may be retired for disability upon his own request or upon the request of the head of the department employing him.

Amount of Allowance

Provided by Member

An annuity which is the actuarial equivalent of his accumulated contributions at the time of his retirement, and

Provided by City

If the member is a Class A member, a pension which when added to his normal annuity, exclusive of any excess annuity, will give a total retirement allowance of 9/10 of 1/50 of his final compensation for each year of total service which would have been credited had he continued in service to the minimum age for service retirement, but such retirement allowance, exclusive of any excess annuity, is not to exceed 45% of his final compensation.

If the member is a Class B member, a pension which when added to his normal annuity, exclusive of any excess annuity, will give a total retirement allowance of 9/10 of 1/40 of his final compensation for each year of total service which would have been credited had he continued in service to the minimum age for service retirement, but such retirement allowance, exclusive of any excess annuity, is not to exceed 45% of his final compensation.

Accidental Disability  
Retirement Allowance

Conditions for Allowance

A member may be retired on account of accidental disability occurring in the performance of duty regardless of age or length of service. Any condition or impairment of health of Class B employees who are firefighters caused by any disease of the heart or cardiovascular system or lungs or respiratory tract resulting in total or partial disability shall be presumed to be accidental and suffered in the line of duty unless the contrary be shown by competent evidence.

Amount of Allowance

Provided by Member

An annuity which is the actuarial equivalent of his accumulated contributions at the time of his retirement, and

Provided by City

A pension of 66⅔% of his final compensation, but not less than the service retirement allowance. Upon the death of a member within 5 years after accidental disability retirement as a result of an accident while in the performance of duty a pension of one-half of the member's final compensation is paid to his widow until she dies or remarries, at which point the pension is paid to his child or children until they attain age 19.

Accidental Death Benefit

Conditions for Benefit

An accidental death benefit is payable upon the death of any member due to an accident in the performance of duty. Any condition or impairment of health of Class B employees who are firefighters caused by any disease of the heart or cardiovascular system or the lungs or respiratory tract resulting in death shall be presumed to be accidental and suffered in the line of duty unless the contrary be shown by competent evidence.

Amount of Benefit

A pension of one-half of the member's final compensation is paid to his widow until she dies or remarries, at which point the pension is payable to his child or children until they attain age 19. If there are no other dependents, the pension is payable to his dependent parents. In addition, a lump sum payment of the member's accumulated contributions is made.

Withdrawal or Ordinary  
Death Benefit

A member who withdraws prior to eligibility for retirement receives his accumulated contributions. Should a member die before retirement his accumulated contributions are paid to his estate or beneficiary; provided, however, if he has attained minimum retirement age and has not made an optional election as described below, and is survived by a spouse, such spouse is entitled, in lieu of the return of the member's accumulated contributions, to a benefit equal to that which would have been payable to such spouse upon the death of the member had the member retired on the day of his death and elected to receive a benefit under the provisions of Option 2, as described below, and nominated his spouse as his

designated beneficiary, except that for a Class B member the benefit to the spouse shall not be less than 67½% of the benefit that would have been paid to such retired member without reduction.

**Benefit upon Death  
after Retirement**

**Class A**

Benefits under any option. Also, the excess, if any, of the member's accumulated contributions at retirement over all payments paid out on the member's account.

**Class B**

Upon the death of a Class B pensioner, 67½% of his retirement allowance is paid to his widow until she dies or remarries, at which point the benefit is paid to his dependent children until they attain age 18. Also, the excess, if any, of the member's accumulated contributions at retirement over the total of all payments paid out on the member's account.

**Minimum Benefits**

The minimum monthly retirement allowance is \$600, prorated for members whose credited service at retirement is less than 25.

**Special Privileges  
at Retirement**

At retirement, a member may elect to convert his allowance into a benefit of equivalent actuarial value in accordance with one of the options described below:

Option 1. A reduced retirement allowance payable during the retired member's life, with a provision that in case of death before such payments have equalled the present value of his retirement allowance at the date of retirement, the balance shall be paid to the heirs or assigns; or

Option 2. A reduced retirement allowance payable during the retired member's life, with a provision that after his death it shall be continued during the life of and paid to the person nominated by him by written designation at the time of his retirement; or

Option 3. A reduced retirement allowance payable during the retired member's life, with a provision that after his death an allowance at one-half the rate of his reduced allowance shall be continued during the life of and paid to the person nominated by him by written designation at the time of his retirement; or

Option 4. A reduced retirement allowance payable during the retired member's life, with some other benefit payable after his death, provided that the benefit shall be certified by the actuary and approved by the retirement board.

**Special Privileges upon  
Attainment of Minimum  
Retirement Age**

Any member who has attained minimum retirement age may elect, in accordance with Option 2, 3, or 4 above, a reduced retirement allowance with provision for benefits to a person having an insurable interest in his life, other than his wife. The benefit is determined as of the member's date of death or retirement, if prior thereto, in accordance with the provisions of the option selected and is in lieu of the return of the member's accumulated contributions if death occurs during the member's continuance in service after attainment of minimum retirement age. Such election is irrevocable after the option becomes effective unless the designated beneficiary predeceases the member prior to his retirement.

**Cost of Living Adjustment**

Annual cost of living adjustments equal 3%, compounded, for Class A pensioners and their beneficiaries and 5%, compounded, for Class B pensioners and their beneficiaries.

**Benefits to Teachers  
under Chapter 2101 of  
the Public Laws of 1948**

Teachers who elected to remain under the provisions of the Providence retirement system had their credits established as of September 30, 1949. These credits, consisting of their own accumulated contributions and their share of the City's contributions, will be used to provide a retirement allowance if the member becomes eligible for service or disability retirement. If



he withdraws or dies before his retirement, he or his estate receives only his own contributions with interest.

**Special Provisions for  
Certain Elective Officers**

Any person who has served as Mayor or City Councilman for at least eight full legislative years is entitled to a retirement allowance on the basis of such service as an elective officer upon attainment of age 52 or the completion of 20 consecutive years as an elective officer, whichever is earlier, or the occurrence of total and permanent disability prior thereto.

Such retirement allowance is currently \$350 for each year of service, provided that no more than 20 years of such service are to be used in determining the allowance.

Upon the death of any such elective officer, benefits are payable in accordance with the Class A provisions of the act.

An elective officer may elect to withdraw his accumulated contributions in lieu of his rights to the allowance based on service as an elective officer.

**2 - CONTRIBUTIONS**

**By Members**

Class A members are required to contribute 8% of their salaries.

Class B members are required to contribute 9½ % of their salaries.

The Mayor and members of the City Council are required to contribute at the rate of \$350 per year.

**By City**

The City makes normal contributions based on members' salaries so that when they are ready to retire reserves will have been accumulated adequate to provide the pensions, other than the special pensions for certain elective officers, and other benefits payable by the City.

The City's contribution consists of a percentage of the salaries of members known as the "normal contribution", and a percentage of the salaries of members known as the "deficiency contribution"; such "deficiency contribution" is equal to the amount required to amortize the unfunded past service liability over 40 years from June 30, 1988 assuming future salaries will increase at 5 per cent per annum.

In addition the City shall contribute from time to time amounts sufficient with the contributions of elective officers to provide the special pensions granted to elective officers.

TABLE 1  
THE NUMBER AND ANNUAL SALARIES  
OF MEMBERS DISTRIBUTED BY 5TH AGE AND SERVICE  
AS OF JUNE 30, 1993

## CLASS A

SERVICE AGE	1	5	10	15	20	25	30	35	40	45	50	TOTAL	
15	0	0	0	0	0	0	0	0	0	0	0	0	NUMBER
	0	0	0	0	0	0	0	0	0	0	0	0	SALARY
	*	*	*	*	*	*	*	*	*	*	*	*	*
20	19	4	0	0	0	0	0	0	0	0	0	23	NUMBER
	330435	85764	0	0	0	0	0	0	0	0	0	416199	SALARY
	*	*	*	*	*	*	*	*	*	*	*	*	*
25	50	68	1	0	0	0	0	0	0	0	0	119	NUMBER
	955973	1493876	22283	0	0	0	0	0	0	0	0	2472132	SALARY
	*	*	*	*	*	*	*	*	*	*	*	*	*
30	50	135	8	2	0	0	0	0	0	0	0	195	NUMBER
	1180309	3137177	220362	33415	0	0	0	0	0	0	0	4571263	SALARY
	*	*	*	*	*	*	*	*	*	*	*	*	*
35	64	106	40	39	12	0	0	0	0	0	0	261	NUMBER
	1413964	2380626	1038692	1010144	335385	0	0	0	0	0	0	6178811	SALARY
	*	*	*	*	*	*	*	*	*	*	*	*	*
40	55	91	37	56	85	3	0	0	0	0	0	327	NUMBER
	1174687	1884006	908961	1529502	2296123	88981	0	0	0	0	0	7882260	SALARY
	*	*	*	*	*	*	*	*	*	*	*	*	*
45	26	73	36	39	72	38	2	0	0	0	0	286	NUMBER
	588449	1610084	921723	931777	2074799	1111709	53786	0	0	0	0	7292327	SALARY
	*	*	*	*	*	*	*	*	*	*	*	*	*
50	24	48	31	29	48	33	11	1	0	0	0	225	NUMBER
	508289	1000760	754084	744173	1215221	943785	317464	21289	0	0	0	5505065	SALARY
	*	*	*	*	*	*	*	*	*	*	*	*	*
55	24	44	22	30	55	32	13	2	1	0	0	223	NUMBER
	599727	942993	566842	616055	1353771	727441	317008	65510	29930	0	0	5219277	SALARY
	*	*	*	*	*	*	*	*	*	*	*	*	*
60	8	26	14	26	35	23	11	1	4	0	0	148	NUMBER
	158423	505713	344038	574505	870031	609549	342347	22660	98284	0	0	3525550	SALARY
	*	*	*	*	*	*	*	*	*	*	*	*	*
63	5	17	8	7	11	6	1	2	1	1	0	59	NUMBER
	96076	511271	165595	180742	274405	146836	42543	59837	32492	20886	0	1530683	SALARY
	*	*	*	*	*	*	*	*	*	*	*	*	*
66	1	1	0	6	5	1	0	0	0	0	0	14	NUMBER
	23036	22861	0	141903	135932	26714	0	0	0	0	0	350446	SALARY
	*	*	*	*	*	*	*	*	*	*	*	*	*

TABLE 1  
THE NUMBER AND ANNUAL SALARIES  
OF MEMBERS DISTRIBUTED BY 5TH AGE AND SERVICE  
AS OF JUNE 30, 1993

## CLASS A

SERVICE AGE	1	5	10	15	20	25	30	35	40	45	50	TOTAL	
67	2 52290	3 104253	0 0	0 0	2 49084	0 0	0 0	0 0	0 0	1 6822	0 0	8 212449	NUMBER SALARY
68	0 0	1 26124	1 22535	1 12705	4 97252	2 56698	1 13599	1 26714	0 0	0 0	0 0	11 255627	NUMBER SALARY
69	0 0	2 28818	0 0	1 16412	2 58354	0 0	1 13599	0 0	0 0	0 0	0 0	6 117183	NUMBER SALARY
70	1 10534	1 11126	1 10997	0 0	1 34302	0 0	0 0	0 0	0 0	1 27404	0 0	5 94363	NUMBER SALARY
71	0 0	1 32491	0 0	1 28752	1 22470	0 0	0 0	0 0	0 0	0 0	0 0	3 83713	NUMBER SALARY
72	0 0	1 21842	0 0	0 0	1 21289	0 0	0 0	1 20268	0 0	0 0	0 0	3 63399	NUMBER SALARY
73	0 0	2 30785	0 0	1 12705	0 0	2 34485	0 0	1 24400	0 0	0 0	0 0	6 102375	NUMBER SALARY
74	0 0	0 0	1 20973	1 20000	1 22179	0 0	1 40520	1 13599	0 0	0 0	0 0	5 117271	NUMBER SALARY
75	0 0	0 0	1 20000	1 31364	0 0	0 0	0 0	0 0	0 0	0 0	1 30716	3 82080	NUMBER SALARY
76	0 0	2 23341	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 23341	NUMBER SALARY
77	1 42499	1 26173	0 0	0 0	0 0	1 20000	0 0	0 0	0 0	0 0	0 0	3 88672	NUMBER SALARY
78	1 29317	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 29317	NUMBER SALARY
TOTAL	331 7164008	201 5017085	335 8860597	41 1140866	6 160706	1 30716	1 30716	3 55112	1936 46213803				NUMBER SALARY
	627 13880084	240 5884154	141 3766198	10 254277	3 55112								NUMBER SALARY

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CONSULTANTS

TABLE 2  
THE NUMBER AND ANNUAL SALARIES  
OF MEMBERS DISTRIBUTED BY 5TH AGE AND SERVICE  
AS OF JUNE 30, 1993

## CLASS B

SERVICE AGE	1	5	10	15	20	25	30	35	40	45	50	TOTAL	
15	0	0	0	0	0	0	0	0	0	0	0	0	NUMBER
	0	0	0	0	0	0	0	0	0	0	0	0	SALARY
20	11	0	0	0	0	0	0	0	0	0	0	11	NUMBER
	358090	0	0	0	0	0	0	0	0	0	0	358090	SALARY
25	50	37	0	0	0	0	0	0	0	0	0	87	NUMBER
	1620748	1193771	0	0	0	0	0	0	0	0	0	2814519	SALARY
30	58	142	28	0	0	0	0	0	0	0	0	228	NUMBER
	1864946	4482755	900236	0	0	0	0	0	0	0	0	7247937	SALARY
35	20	73	71	56	0	0	0	0	0	0	0	220	NUMBER
	644994	2298630	2377283	1966689	0	0	0	0	0	0	0	7287596	SALARY
40	8	15	20	81	49	2	0	0	0	0	0	175	NUMBER
	253879	498334	650506	2879817	1762356	72268	0	0	0	0	0	6117160	SALARY
45	0	5	6	22	48	43	2	0	0	0	0	126	NUMBER
	0	162142	205657	764374	1726219	1661565	63693	0	0	0	0	4583650	SALARY
50	0	1	0	1	4	37	17	0	0	0	0	60	NUMBER
	0	32169	0	22901	135675	1442989	651266	0	0	0	0	2285000	SALARY
55	0	2	1	0	0	5	8	6	0	0	0	22	NUMBER
	0	62990	31524	0	0	162048	336182	247920	0	0	0	840664	SALARY
60	0	0	1	0	0	0	0	6	2	0	0	9	NUMBER
	0	0	30311	0	0	0	0	271540	129589	0	0	431440	SALARY
63	0	0	0	0	0	0	0	0	0	0	0	0	NUMBER
	0	0	0	0	0	0	0	0	0	0	0	0	SALARY
65	0	0	0	0	0	0	0	0	0	1	0	1	NUMBER
	0	0	0	0	0	0	0	0	0	20000	0	20000	SALARY
TOTAL	147	127	101	27	2	0	0	0	0	0	0	0	NUMBER
	4742657	4195517	3624250	1051141	129589	0	0	0	0	0	0	0	SALARY
70	275	160	87	12	1	939							NUMBER
	8730791	5633781	3338870	519460	20000	31986056							SALARY

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TABLE 3  
 THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES  
 OF BENEFICIARIES DISTRIBUTED BY  
 AGE AS OF JUNE 30, 1993

## SERVICE RETIREMENTS

## CLASS A

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
43			1 \$	12,674
44	1 \$	14,248	1	17,139
45	1	13,599		
46	1	13,976	1	15,012
47	2	36,779		
48	6	89,026	1	16,192
49	2	32,753		
50	3	53,924	2	19,190
51	2	31,876		
52	1	21,546	1	15,562
53			1	11,032
54	2	54,576	4	65,421
55	3	40,480	2	25,485
56	10	106,997	8	76,931
57	3	21,394	5	49,487
58	18	236,051	4	40,527
59	15	172,616	7	65,790
60	18	242,419	18	204,129
61	23	318,416	19	209,000
62	25	265,438	19	249,999
63	32	347,462	22	256,769
64	25	311,124	28	317,569
65	32	299,483	17	204,533
66	33	328,284	16	168,964
67	25	307,342	26	208,606
68	33	317,096	18	166,722
69	45	434,689	18	154,939
70	23	163,146	21	158,275
71	19	180,125	19	143,583
72	31	303,862	25	159,461
73	22	218,677	28	182,521
74	27	186,700	11	68,282
75	38	285,113	18	116,511
76	24	203,921	22	158,361
77	23	150,884	24	129,317
78	26	148,043	15	106,957
79	12	73,070	19	101,028

TABLE 3  
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES  
OF BENEFICIARIES DISTRIBUTED BY  
AGE AS OF JUNE 30, 1993

SERVICE RETIREMENTS

CLASS A

CONTINUED

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
80	17 \$	93,049	6 \$	19,504
81	22	122,392	14	52,283
82	11	57,904	9	33,330
83	17	92,533	7	31,646
84	11	56,065	9	45,142
85	19	100,431	9	35,800
86	11	57,864	9	44,595
87	10	47,103	12	55,176
88	3	16,908	1	1,483
89	6	37,721	6	32,266
90	4	19,501	7	24,236
91	8	50,131		
92	7	43,695	2	2,076
93	1	2,966	1	7,416
94	2	9,789		
95	1	3,263		
96	1	7,416		
97			3	13,646
98			1	3,560
101	1	7,416		
TOTAL	758 \$	6,851,282	537 \$	4,298,127

SUMMARY

NO OPTION	258 \$	2,039,499	305 \$	2,100,213
OPTION 1	84	615,621	44	241,998
OPTION 2	134	1,256,953	16	156,308
OPTION 3	107	968,340	24	238,928
OPTION 4	175	1,970,869	148	1,560,680

IN ADDITION THERE ARE 22 RETIRED CHAPTER 2101  
TEACHERS RECEIVING ANNUAL SERVICE RETIREMENT  
ALLOWANCES OF \$159,835

TABLE 4  
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES  
OF BENEFICIARIES DISTRIBUTED BY  
AGE AS OF JUNE 30, 1993

SERVICE RETIREMENTS

CLASS B

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
36	1	\$ 20,853		
41	1	16,874		
42	1	14,980		
43	1	16,041		
45	5	81,587		
46	13	209,029		
47	13	210,889		
48	5	73,873		
49	5	61,039		
50	5	57,202		
51	3	53,626		
52	6	73,759		
53	9	133,963		
54	5	78,180		
55	10	130,821		
56	11	184,419		
57	15	219,457		
58	11	152,055		
59	8	99,512		
60	11	226,481		
61	24	333,456		
62	19	277,952		
63	21	310,032		
64	18	254,452		
65	17	252,616		
66	23	349,420		
67	12	196,244		
68	25	279,281		
69	27	309,736		
70	25	366,279		



TABLE 4  
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES  
OF BENEFICIARIES DISTRIBUTED BY  
AGE AS OF JUNE 30, 1993

SERVICE RETIREMENTS

CLASS B

CONTINUED

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
71	19	\$ 266,830		
72	19	240,752		
73	17	192,498		
74	8	77,485		
75	12	119,231		
76	11	113,633		
77	3	22,680		
78	2	19,236		
79	4	31,602		
80	6	54,616		
81	7	68,127		
82	9	81,305		
83	3	22,680		
84	6	45,360	1	\$ 9,768
85	3	29,947		
86	2	15,120		
87	1	7,560		
88	4	34,285		
89	1	7,560		
90	3	19,866		
92	1	7,560		
TOTAL	491	\$ 6,522,041	1	\$ 9,768
SUMMARY				
NO OPTION	38	\$ 608,312		
OPTION 2	1	17,413		
OPTION 4	452	5,896,316	1	\$ 9,768

TABLE 5  
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES  
OF BENEFICIARIES DISTRIBUTED BY  
AGE AS OF JUNE 30, 1993  
ELECTED OFFICERS AND DEPENDENTS  
OF ELECTED OFFICERS

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
53	1 \$	3,879		
54	1	3,950		
55	1	3,500		
62	1	5,600		
63	2	18,465		
64	1	7,000		
65	1	7,000		
66	1	7,525		
67	1	3,821	1 \$	4,200
70	1	3,500	1	1,940
73	1	8,750		
74	1	7,175		
75	1	2,785		
76	2	2,675		
77	1	4,667		
82	1	1,000		
83	2	6,693		
84	2	3,389		
86	2	2,391		
87	1	4,067		
90	1	1,000		
92	1	2,475		
TOTAL	27 \$	111,307	2 \$	6,140
SUMMARY				
NO OPTION	17 \$	71,273	2 \$	6,140
OPTION 1	2	2,456		
OPTION 2	7	33,699		
OPTION 4	1	3,879		

SPECIAL PENSIONS ONLY WHICH ARE FINANCED ON  
PAY-AS-YOU GO BASIS

TABLE 6  
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES  
OF BENEFICIARIES DISTRIBUTED BY  
AGE AS OF JUNE 30, 1993

ORDINARY AND ACCIDENTAL  
DISABILITY RETIREMENTS

CLASS A

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
38	1 \$	17,737		
39	1	8,670		
40	2	41,196	1 \$	4,973
41	2	20,070		
43	1	22,106	1	8,917
44	1	15,301		
45	2	33,151	2	21,530
46			1	4,087
47	2	34,260		
48	2	34,655		
49	1	9,162		
50	3	49,694		
51	2	28,194	1	3,085
52			2	8,164
53	2	19,098		
54	5	58,953	1	6,113
56	2	10,418	1	6,404
57	2	7,294	1	12,552
58	3	53,192	1	3,856
59	2	28,345	1	14,331
60	2	21,152	1	5,852
62	2	18,727		
63	3	50,948	2	25,109
64	3	48,339	1	14,129
65	2	29,769		
66	1	9,536		

TABLE 6  
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES  
OF BENEFICIARIES DISTRIBUTED BY  
AGE AS OF JUNE 30, 1993

ORDINARY AND ACCIDENTAL  
DISABILITY RETIREMENTS

CLASS A

CONTINUED

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
67	3 \$	26,928	2 \$	28,227
68	2	16,905	1	3,560
69	2	10,882		
70	2	13,861		
71	3	17,948	1	5,925
72	1	3,263	1	3,445
73	2	8,809	1	7,401
74			1	3,856
76	2	12,014		
79			1	3,560
80	1	10,019	1	7,416
90	1	3,744		
91	1	2,744		
TOTAL	69 \$	797,084	26 \$	202,492
SUMMARY				
NO OPTION	32 \$	244,864	12 \$	73,826
OPTION 1	2	19,780	2	7,036
OPTION 2	4	61,840		
OPTION 3	3	52,538	1	7,401
OPTION 4	28	418,062	11	114,229

TABLE 7  
 THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES  
 OF BENEFICIARIES DISTRIBUTED BY  
 AGE AS OF JUNE 30, 1993

ORDINARY AND ACCIDENTAL  
 DISABILITY RETIREMENTS

CLASS B

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
25	1	\$ 20,096		
32	1	25,965		
33	1	22,636	1	\$ 23,088
34	2	50,020		
35	3	76,659	1	27,484
36	3	72,958		
37	2	47,298	1	25,208
39	7	174,170		
40			1	20,599
41	5	129,447		
42	10	227,275		
43	16	349,789		
44	13	302,785	1	18,541
45	15	356,170		
46	25	532,991		
47	15	341,217		
48	19	411,850	1	23,339
49	11	321,071		
50	14	346,986		
51	16	376,734		
52	12	257,309		
53	15	389,537		
54	18	520,921	1	23,339
55	9	241,101		
56	9	227,734		
57	10	299,158	1	65,049
58	6	172,243		
59	11	298,952		
60	16	457,572		
61	15	470,077	1	26,775
62	11	341,457		
63	13	287,940		
64	11	286,544		
65	7	168,585		
66	11	273,251		
67	8	163,748		
68	13	289,482		
69	5	80,515		

TABLE 7  
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES  
OF BENEFICIARIES DISTRIBUTED BY  
AGE AS OF JUNE 30, 1993

ORDINARY AND ACCIDENTAL  
DISABILITY RETIREMENTS

CLASS B

CONTINUED

	MEN		WOMEN	
AGE	NUMBER	AMOUNT	NUMBER	AMOUNT
70	2 \$	38,859		
71	4	55,980		
72			1 \$	7,560
73			1	8,211
74	2	17,977		
75	2	32,090		
76	1	10,965		
78	1	10,091		
79	2	15,120		
83	2	16,269		
85	1	7,560		
86	4	32,332		
88	1	7,560		
90	1	7,560		
TOTAL	402 \$	9,664,606	11 \$	269,193
SUMMARY				
NO OPTION	65 \$	1,959,680	4 \$	103,908
OPTION 1	2	72,859		
OPTION 4	335	7,632,067	7	165,285

TABLE 8  
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES  
OF BENEFICIARIES DISTRIBUTED BY  
AGE AS OF JUNE 30, 1993  
  
BENEFICIARIES OF DECEASED  
ACTIVE AND RETIRED MEMBERS

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
24			2	\$ 23,700
39			1	21,072
40			1	5,128
41			2	27,808
42			1	2,796
43			1	17,010
45	1	\$ 9,745	1	4,940
46			1	7,814
47			1	15,479
48			4	62,987
49			2	23,618
50			1	11,578
51			2	16,310
52			4	63,388
53			1	31,254
54			1	13,547
55			4	33,259
56	1	19,507	3	24,416
57			5	35,187
58			6	48,849
59			1	7,560
60			8	68,008
61			3	26,758
62			4	33,729
63			4	60,872
64			6	57,635
65	1	6,773	6	45,160
66			12	78,688
67			16	160,669
68			11	114,108
69	1	8,280	9	77,049
70			11	85,668
71			9	63,026
72	1	11,370	11	86,386
73			14	96,581
74			13	78,103
75	1	3,186	17	115,124

TABLE 8  
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES  
OF BENEFICIARIES DISTRIBUTED BY  
AGE AS OF JUNE 30, 1993

BENEFICIARIES OF DECEASED  
ACTIVE AND RETIRED MEMBERS

CONTINUED

AGE	MEN		WOMEN	
	NUMBER	AMOUNT	NUMBER	AMOUNT
76			13 \$	86,227
77			17	106,865
78	1 \$	2,144	12	83,132
79	2	8,528	15	98,062
80			17	110,562
81			13	92,691
82			14	96,206
83			17	122,865
84			18	114,985
85			16	112,136
86			13	94,882
87			15	112,281
88			9	63,262
89			5	38,496
90			7	52,776
91			8	60,480
92			7	52,776
93			3	22,680
94			1	7,560
96			2	17,085
97			2	15,120
TOTAL	9 \$	69,533	423 \$	3,306,393



IN CITY COUNCIL  
JUN 2 1994  
FIRST READING  
REFERRED TO COMMITTEE ON  
FINANCE  
Jean M. Argelone CLERK

THE COMMITTEE ON  
FINANCE  
Recommends to refer to City Council to  
be received  
Clare Brock-Hart Clerk  
JUL 27 1994