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**LABORERS' AND RETIREMENT BOARD EMPLOYEES'  
ANNUITY AND BENEFIT FUND OF CHICAGO**

**Actuarial Valuation Report**

**For the Year Ending December 31, 2005**

**April 2006**

**GRS**

Gabriel Roeder Smith & Company

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April 11, 2006

The Retirement Board of the  
Laborers' and Retirement Board Employees'  
Annuity and Benefit Fund of Chicago  
221 North LaSalle Street, Suite 748  
Chicago, Illinois 60601

**Subject: Actuarial Certification**

Dear Members of the Board:

At your request, we have performed an actuarial valuation for the Laborers' and Retirement Board Employees' Annuity and Benefit Fund of Chicago ("the Fund") as of December 31, 2005. An actuarial valuation of the Fund is performed annually. The valuation has been performed to measure the funding status of the Fund. It includes disclosure information required under Governmental Accounting Standards Board (GASB) Statement No. 25 and Statement No. 27. The assumptions and methods used were selected by the actuary and meet the parameters set for the disclosure presented in the financial section by GASB Statement No. 25.

We have provided the supporting schedules for the actuarial section of the comprehensive annual financial report, including:

- Active Member Valuation Data
- Retirements and Beneficiaries Added to and Removed from Rolls
- Solvency (Termination) Test
- Analysis of Financial Experience

We have also provided the following schedules for the financial sections of the report. We relied on information from the prior actuary for years before 1999.

- Schedule of Funding Progress
- Schedule of Employer Contributions

This valuation is based upon:

- a. **Data Relative to the Members of the Fund** - Data utilized for active members and persons receiving benefits from the Fund was provided by the Fund's staff. We have tested this data for reasonableness.
- b. **Asset Values** - The values of assets of the Fund were provided by the Fund's staff. An actuarial value of assets was used to develop actuarial results for GASB Statement No. 25 and Statement No. 27.
- c. **Actuarial Method** - The actuarial method utilized by the Fund is the Entry-Age Normal Actuarial Cost Method. The objective of this method is to recognize the costs of Fund benefits over the entire career of each member as a level percentage of compensation. Any Unfunded Actuarial Accrued Liability (UAAL), under this method is separately amortized. All actuarial gains and losses under this method are reflected in the UAAL.
- d. **Actuarial Assumptions** - The discount rate used to value the liabilities for the health insurance supplement was changed from 8.00 percent to 4.50 percent and the determination of marital status for current retirees was changed from the use of an assumption to full reliance on the status reported in the data. All other actuarial assumptions remain the same.

The funding objective is to provide employer and employee contributions sufficient to provide the benefits of the Fund when due. The provision of State Law establishing the Fund constrains employer contributions to be 1.00 times the employee contribution level in the second prior fiscal year. Thus, with an administrative lag, the employer contribution is designed to match the employee contribution in a 1:1 relationship. Employer contributions for the plan year cease when all actuarial accrued liabilities of the Fund, excluding any cost that arose from the most recent early retirement incentive, are fully funded. The most recent actuarial valuation of the Fund on the State reporting basis indicates that a ratio of 1.23 is needed to adequately finance the Fund; also, it should be noted that there is a non-zero Annual Required Contribution (ARC) for the third year in a row.

The valuation results set forth in this report are based on the data and actuarial techniques described above, and upon the provisions of the Fund as of the valuation date. Based on these items, we certify these results to be true and correct.

Gabriel, Roeder, Smith & Company



Michael R. Kivi, F.S.A.  
Senior Consultant



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Senior Consultant

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## SUMMARY OF ACTUARIAL VALUATION

	<u>December 31, 2004</u>	<u>December 31, 2005</u>	<u>% Change</u>
<b>ACTUARIAL VALUES</b>			
<b>Termination Values</b>			
Liability	\$ 1,268,933,110	\$ 1,248,080,469	(1.64)%
Assets - Actuarial Value	1,649,959,130	1,635,595,437	(0.87)%
Deficiency/(Excess)	(381,026,020)	(387,514,968)	1.70%
<b>Funded Ratio</b>	<b>130.03%</b>	<b>131.05%</b>	<b>0.79%</b>
<b>GASB #25 Values</b>			
Actuarial Liability	\$ 1,674,614,651	\$ 1,742,300,488	4.04%
Assets - Actuarial Value	1,649,959,130	1,635,595,437	(0.87)%
Unfunded Liability (Surplus)	24,655,521	106,705,051	332.78%
<b>Funded Ratio</b>	<b>98.53%</b>	<b>93.88%</b>	<b>(4.72)%</b>
Annual Required Contribution (ARC)	\$ 12,774,103	\$ 21,142,739	65.51%
<b>Market Values</b>			
Actuarial Liability	\$ 1,674,614,651	\$ 1,742,300,488	4.04%
Assets - Market Value	1,637,369,008	1,659,061,366	1.32%
Unfunded Liability	37,245,643	83,239,122	123.49%
<b>Funded Ratio</b>	<b>97.78%</b>	<b>95.22%</b>	<b>(2.61)%</b>
<b>Book Values</b>			
Actuarial Liability	\$ 1,674,614,651	\$ 1,742,300,488	4.04%
Assets - Book Value	1,436,405,492	1,467,631,692	2.17%
Unfunded Liability (Surplus)	238,209,159	274,668,796	15.31%
<b>Funded Ratio</b>	<b>85.78%</b>	<b>84.24%</b>	<b>(1.80)%</b>
<b>Values for Tax Levy Purposes Only</b>			
Actuarial Liability less ERI Cost	\$ 1,618,225,914	\$ 1,698,631,820	4.97%
Assets - Actuarial Value	1,649,959,130	1,635,595,437	(0.87)%
Unfunded Liability (Surplus)	(31,733,216)	63,036,383	(298.64)%
<b>Funded Ratio</b>	<b>101.96%</b>	<b>96.29%</b>	<b>(5.56)%</b>

## SUMMARY OF ACTUARIAL VALUATION (CONT'D)

	<u>December 31, 2004</u>	<u>December 31, 2005</u>	<u>% Change</u>
<b>Assets</b>			
<b>Market Value</b> - Beginning of Year	\$1,552,360,971	\$1,637,369,008	5.48 %
Income			
Investment Income	171,044,279	117,785,265	(31.14)%
Employer Contributions & Misc.	202,684	40,435	(80.05)%
Employee Contributions	22,591,435	16,256,802	(28.04)%
Subtotal	<u>193,838,398</u>	<u>134,082,502</u>	(30.83)%
Outgo (Refunds, Benefits & Expenses)	<u>108,830,361</u>	<u>112,390,144</u>	3.27 %
Net Change	<u>85,008,037</u>	<u>21,692,358</u>	(74.48)%
Market Value - End of Year	\$1,637,369,008	\$1,659,061,366	1.32 %
<b>Book Value</b> - Beginning of Year	\$1,425,774,228	\$1,436,405,492	0.75 %
Income			
Investment Income	96,667,506	127,319,107	31.71 %
Employer Contributions & Misc.	202,684	40,435	(80.05)%
Employee Contributions	22,591,435	16,256,802	(28.04)%
Subtotal	<u>119,461,625</u>	<u>143,616,344</u>	20.22 %
Outgo (Refunds, Benefits & Expenses)	<u>108,830,361</u>	<u>112,390,144</u>	3.27 %
Net Change	<u>10,631,264</u>	<u>31,226,200</u>	193.72 %
Book Value - End of Year	\$1,436,405,492	\$1,467,631,692	2.17 %
<b>Smoothed Value</b> - Beginning of Year	\$1,679,796,167	\$1,649,959,130	(1.78)%
Income			
Investment Income	56,199,205	81,729,214	45.43 %
Employer Contributions & Misc.	202,684	40,435	(80.05)%
Employee Contributions	22,591,435	16,256,802	(28.04)%
Subtotal	<u>78,993,324</u>	<u>98,026,451</u>	24.09 %
Outgo (Refunds, Benefits & Expense)	<u>108,830,361</u>	<u>112,390,144</u>	3.27 %
Net Change	<u>(29,837,037)</u>	<u>(14,363,693)</u>	(51.86)%
Actuarial Value - End of Year	\$1,649,959,130	\$1,635,595,437	(0.87)%

## SUMMARY OF ACTUARIAL VALUATION (CONT'D)

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	<u>December 31, 2004</u>	<u>December 31, 2005</u>	<u>% Change</u>
<b>Members</b>			
Actives <sup>1</sup>	3,135	3,141	<b>0.19 %</b>
Inactives	2,007	1,838	<b>(8.42)%</b>
Retirees	2,836	2,737	<b>(3.49)%</b>
Survivors	1,379	1,367	<b>(0.87)%</b>
Disabilities	155	176	<b>13.55 %</b>
Children	62	52	<b>(16.13)%</b>
<b>Payroll Data</b>			
Valuation Payroll	\$ 171,476,937	\$ 182,809,397	<b>6.61 %</b>
Average Salary	\$ 54,698	\$ 58,201	<b>6.40 %</b>

<sup>1</sup>Active participants include disabled employees.

## **DISCUSSION OF VALUATION RESULTS**

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This report sets forth the results of the actuarial valuation of the Laborers' and Retirement Board Employees' Annuity and Benefit Fund of Chicago ("the Fund") as of December 31, 2005. The purposes of this valuation are:

1. To develop the minimum actuarially determined contribution for 2006.
2. To develop the annual required contribution (ARC) under GASB #25.
3. To develop the annual pension cost under GASB #27.
4. To review the funding status of the Fund.

The funded status in basic terms is a comparison of the Fund's liabilities to assets expressed as either unfunded liability or as a ratio of assets to liabilities. This comparison can be measured in various ways. Fund liabilities are dependent on the actuarial assumptions and actuarial cost method. Fund assets can be measured at market value, book value, or some variation to smooth the fluctuations that invariably occur from year to year.

For Fund and City financial reports, the funding status is measured using liabilities under the Entry Age Normal funding method and the Actuarial Value of Assets. The Actuarial Value of Assets is determined by annually spreading the difference between expected and actual investment earnings over a five-year period.

### **Actuarial Obligations of the Fund**

The value of all future pension payments, calculated using the actuarial assumptions contained in this report, is the sum of payments to two major groups of beneficiaries-the retired lives and the active lives.

#### **1. Retired Lives:**

For those currently receiving known benefits, i.e., current retirees, widows, widowers, and children, the value is determined based on estimated future longevity with the future benefit payment discounted to present time at the assumed investment earnings rate.

#### **2. Active Lives:**

The value of future payments for active employees who will receive benefits in the future is estimated, because the amount of pension is only known at the actual time of retirement. This estimate is made using various assumptions as to future salary increases; probable retirement age; and probability of death, withdrawal, or disablement before retirement. For active employees, the goal is to have enough assets on hand at retirement to pay for all future benefits promised. To provide for an orderly accumulation of these required assets, an actuarial funding method is used. Using the "Entry Age Normal" funding method, assets are allocated as a level amount (expressed as a percentage of salary) over the employee's working lifetime. These allocated costs are called "normal costs" and are sufficient, if set aside each

## DISCUSSION OF VALUATION RESULTS (CONT'D)

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year, to fully fund his or her benefits when and if he or she retires. The actuarial reserve (amount of assets needed now) is then the present value of future benefits less the value of future normal costs to be paid.

The difference between the sum of actuarial reserves for active and retired lives (“the Actuarial Accrued Liability”) and the Actuarial Value of Assets is called the “Unfunded Actuarial Accrued Liability.” If assets exceed the liability, there is a surplus. The unfunded liability depends upon the benefits, the characteristics of the covered group of employees and retirees, the actuarial assumptions, and the actuarial funding method. The unfunded liability can be thought of as the amount of assets that will be needed in future years to provide for all future benefits payable when added to the future normal costs determined by the actuarial funding method.

### 3. Actuarial Balance:

For the pension fund to be in balance (funded ratio of 100 percent), the present value of all benefits payable in the future must equal the sum of present assets plus the present value of all future contributions. If a plan is 100 percent funded, it does not mean that no contributions are ever needed again. It simply means that the plan is where it should be. The assets of the plan are sufficient to provide for future benefits payable based on service to the date of valuation. **Future contributions are still needed** to provide the “normal costs” for service after the date of the valuation in order to have sufficient assets at retirement to provide the future payments of the total projected benefit.

## Summary of Results

The annual required contribution (ARC) under GASB #25 for the year ending December 31, 2006, is \$17.6 million, which is for pension benefits only. This amount is net of employee contributions of \$15.88 million

GASB #43 requires the calculation of a separate ARC for Other Postemployment Benefits (OPEB) beginning with the Fund’s 2006 fiscal year. The ARC for the 2006 fiscal year is determined in this December 31, 2005, actuarial valuation. The OPEB ARC for the fiscal year ending December 31, 2006, is \$3.54 million.

Because of the requirements of GASB #43, there are some differences between the calculation of the ARC for pension benefits and the ARC for OPEB. These differences are summarized below.

	<u>Pension ARC</u>	<u>OPEB ARC</u>
<b>Investment Return</b>	8.00 % per year	4.50% per year
<b>Assets</b>	5-year smoothed market	No assets (Pay-as-you-go)
<b>Amortization Period</b>	40 years	30 years

GASB #43 requires that the investment return assumption (or “discount rate”) used to value OPEB liabilities be based on the estimated long-term yield on the investments expected to be used to finance

## DISCUSSION OF VALUATION RESULTS (CONT'D)

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the payment of benefits. The investment return assumption of 4.50 percent reflects the fact that OPEB liabilities are considered to be funded on a pay-as-you-go basis. That is, the health insurance supplement is financed with current contributions, and no separate healthcare asset account exists to pay the health insurance supplement.

Beginning with the December 31, 2006, actuarial valuation, GASB #25 will require the use of a 30-year amortization period to determine the pension ARC, which is already required for the OPEB ARC beginning with this valuation.

The Unfunded Actuarial Liability increased from \$24.66 million to \$106.71 million during the year, resulting in a change in funding ratio from 98.5 percent to 93.9 percent. The increase in the Unfunded Actuarial Liability is largely attributable to a loss on the Actuarial Value of Assets and to higher than expected salary increases. A more thorough examination of these and other factors can be found in the Reconciliation of Unfunded Actuarial Accrued Liability (gain/loss analysis) in Table 2 and the Reconciliation of Funded Ratio in Table 2A.

Based on the Market Value of Assets, the Unfunded Actuarial Accrued Liability increased from \$37.25 million to \$83.24 million, and the funded ratio decreased from 97.8 percent to 95.2 percent.

As a result of Public Act 93-0654, the City is not required to make a contribution for the plan year if the accrued liabilities excluding the liabilities that arose from the early retirement incentive (ERI) are 100 percent funded by the Actuarial Value of Assets. The liabilities attributable to the ERI for 2005 are equal to \$43,668,668. The actuarial liabilities excluding the ERI liabilities are equal to \$1,698,631,820, and the funded ratio is 96.3 percent. Therefore, the City is required to make a contribution for Fiscal Year 2007. The increase in liabilities from the ERI will diminish over seven years; the projected excess liabilities from the ERI are provided below:

<b>Valuation Date</b>		<b>ERI Liability</b>
<b><u>December 31,</u></b>		
2004	\$	56,388,737
2005		43,668,668
2006		32,187,758
2007		22,459,143
2008		14,286,454
2009		7,716,575
2010		2,581,018
2011		-

## DISCUSSION OF VALUATION RESULTS (CONT'D)

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### Plan Membership

The major characteristics of the data on the members of the Fund are summarized as follows:

	<u>December 31, 2004</u>	<u>December 31, 2005</u>
<b>Active Members<sup>1</sup></b>		
Number	3,135	3,141
Vested	1,936	2,012
Non-vested	1,199	1,129
Average Age	44.8	45.4
Average Service	14.4	15.0
Average Annual Salary	\$54,698	\$58,201
<b>Inactive Members</b>		
Number	2,007	1,838
Average Age	46.2	47.9
Average Service	3.7	3.5
<b>Retirees</b>		
Number	2,836	2,737
Average Age	70.6	70.8
Average Annual Benefit	\$29,177	\$30,492
<b>Surviving Spouse</b>		
Number	1,379	1,367
Average Age	76.1	76.2
Average Annual Benefit	\$10,700	\$10,910
<b>Children</b>	62	52
<b>Total Members</b>	9,419	9,135

<sup>1</sup>Active members include disabled employees.

Total participants receiving benefits under the Fund, including disability, widow, and children, decreased 2.26 percent during 2005 from 4,432 to 4,332. Total expenditures for benefits increased from \$99.3 million in 2004 to \$105.2 million during 2005, or 5.94 percent.

## **DISCUSSION OF VALUATION RESULTS (CONT'D)**

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### **Changes in Provisions of the Fund**

**The following Public Acts were passed in 2005 and made the following changes to the Fund Provisions.**

PA 94-0079 was approved June 27, 2005.

Prohibits the investment or deposit from the retirement system or pension fund to certain entities doing business in or with the government of the Republic of the Sudan. Fund managing companies must certify that under Section 1-110.5 of the pension code that they have not loaned to, invested in, or otherwise transferred any of the pension fund assets to a forbidden entity.

PA 94-0471 was approved August 4, 2005.

Provides that, to qualify as an "emerging investment manager", the maximum value of an investment portfolio that a manager manages is \$2,000,000,000 (was \$400,000,000).

PA 94-0657 was approved August 22, 2005.

Provides for various changes in provisions and procedures concerning Qualified Illinois Domestic Relations Orders. Allows for alternate payee's benefit to be based on a percentage of employee's benefit. Effective July 1, 2006.

### **Discussion of Actuarial Assumptions**

Actuarial assumptions are used to project future demographic and economic expectations for purposes of valuing the liabilities of the plan. The assumptions should reflect current patterns. However, their primary orientation is the long-term outlook for each factor affecting the valuation. Thus, while actual experience will fluctuate over the short run, actuarial assumptions are chosen in an attempt to model the future long run experience.

There are two general types of actuarial assumptions:

1. Demographic Assumptions - reflect the flow of participants into and out of a retirement system, and
2. Economic Assumptions - reflect the effect of the economic climate on a retirement system.

Demographic assumptions can be readily studied over recent plan experience. Economic assumptions can be studied against recent experience; however, future experience is more likely to be a result of outside factors than of plan specifics. The most significant demographic assumptions are active turnover, retirement, and post-retirement mortality. The most significant economic assumptions are pay increases, investment return, and inflation. Other actuarial assumptions include disability incidence, active mortality, and percent married.

## DISCUSSION OF VALUATION RESULTS (CONT'D)

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The current actuarial assumptions were first adopted for use with the December 31, 2004, valuation report.

### Changes in Assumptions

- The discount rate for valuing OPEB liabilities was decreased from 8.00 percent to 4.50 percent.
- The determination of marital status for current retirees was changed from the use of an assumption to full reliance on the status reported in the data.

### Experience Analysis

The Fund had an investment loss in 2005 of \$9.4 million relative to the 8.00 percent expected rate of return, on a market value basis. The loss on an actuarial basis relative to the 8.00 percent expected rate of return was \$46.5 million due to the deferred recognition of investment gains and losses.

Individual salary increases varied among plan participants, but the overall increase was slightly greater than anticipated by the actuarial assumptions, resulting in an experience loss of \$14.8 million.

The unfunded actuarial accrued liability decreased by \$3.6 million due to changes in assumptions and methodology. This decrease in the unfunded actuarial liability is the net result of:

- An increase of \$12.0 million from the change in the OPEB discount rate;
- A decrease of \$21.2 million from the change in determination of the retiree marital status; and
- An increase of \$5.6 million from methodology refinements that improved the liability measurement for future widows, future refunds, and inactive non-vested members.

There was an additional loss of \$12.5 million from all other factors, including actual retirement, termination, disability, mortality experience, and data changes. This is about 0.68 percent of the liabilities at December 31, 2005, which is a reasonable variation.

Tables 2 and 2A summarize the experience gains and losses for the year.

## DISCUSSION OF VALUATION RESULTS (CONT'D)

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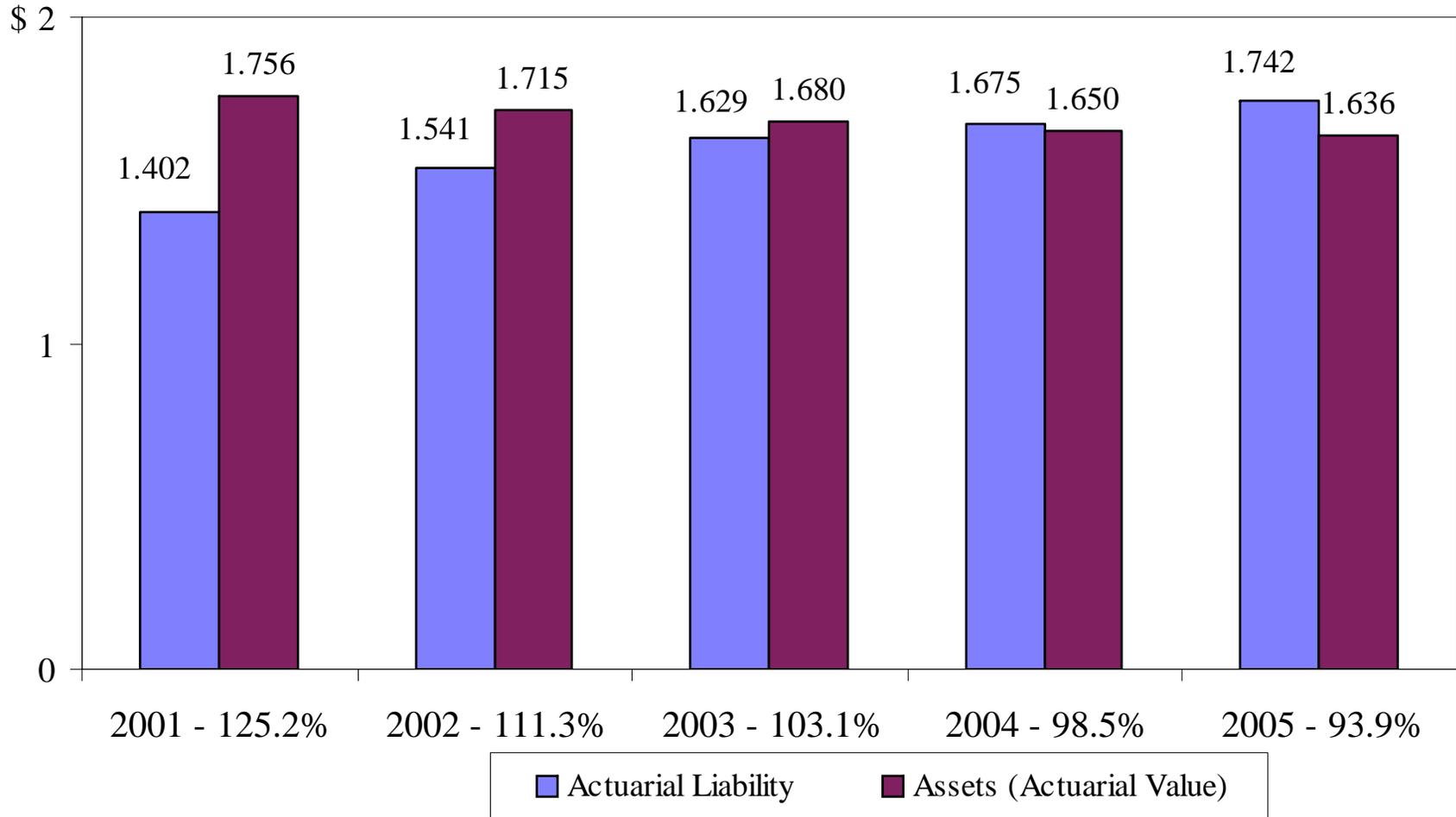
### **Funding Analysis**

The following charts summarize the various measures of benefit security (funded ratio) examined in this valuation and highlight the trends of the measures.

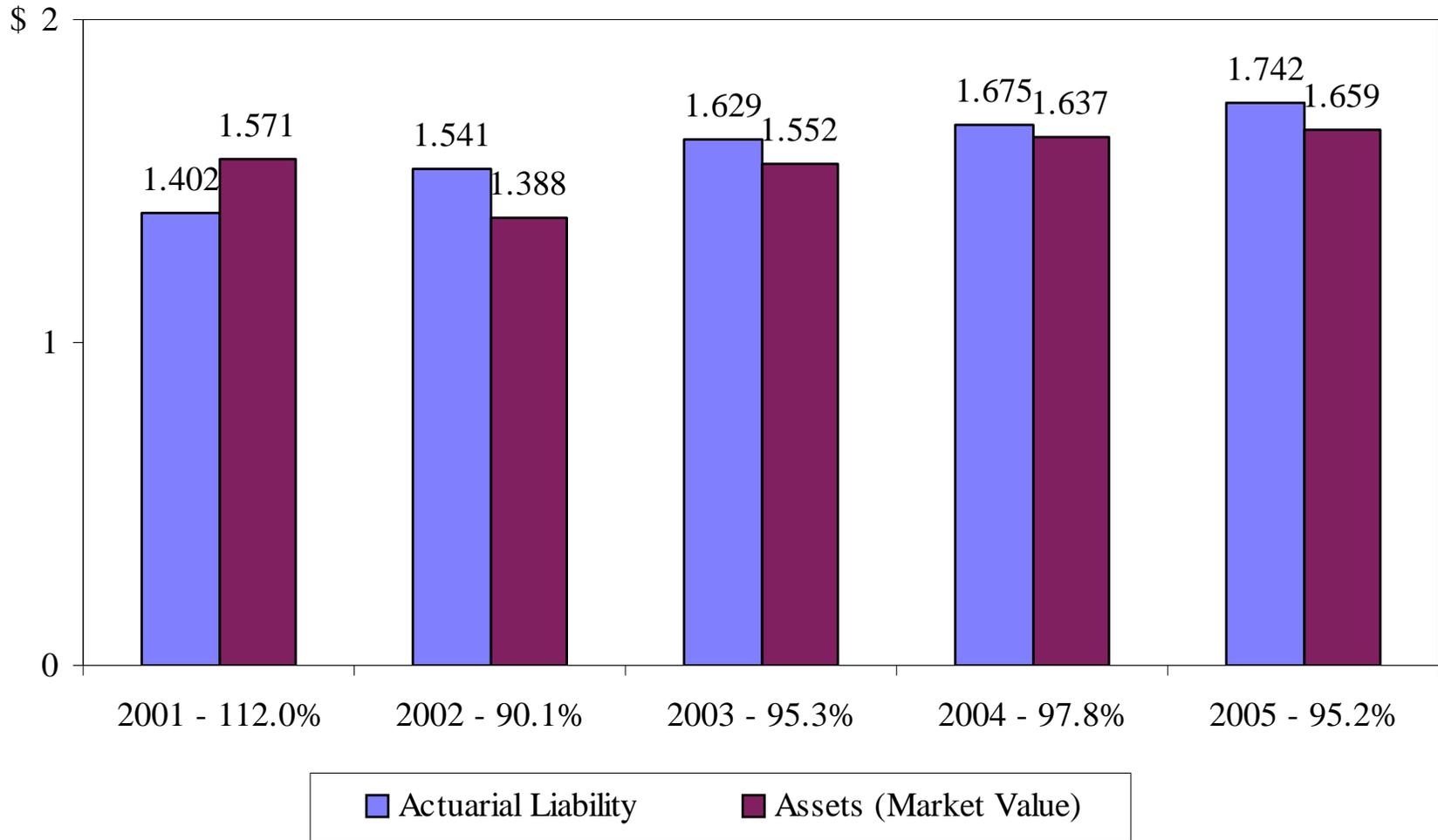
### **Conclusion**

The Fund continues to be reasonably well funded with respect to current benefit liabilities, even after investment losses on the Actuarial Value of Assets. When measured using the Actuarial Value of Assets, which smoothes gains and losses over a five-year period, the funding ratio decreased from 98.5 percent in 2004 to 93.9 percent in 2005.

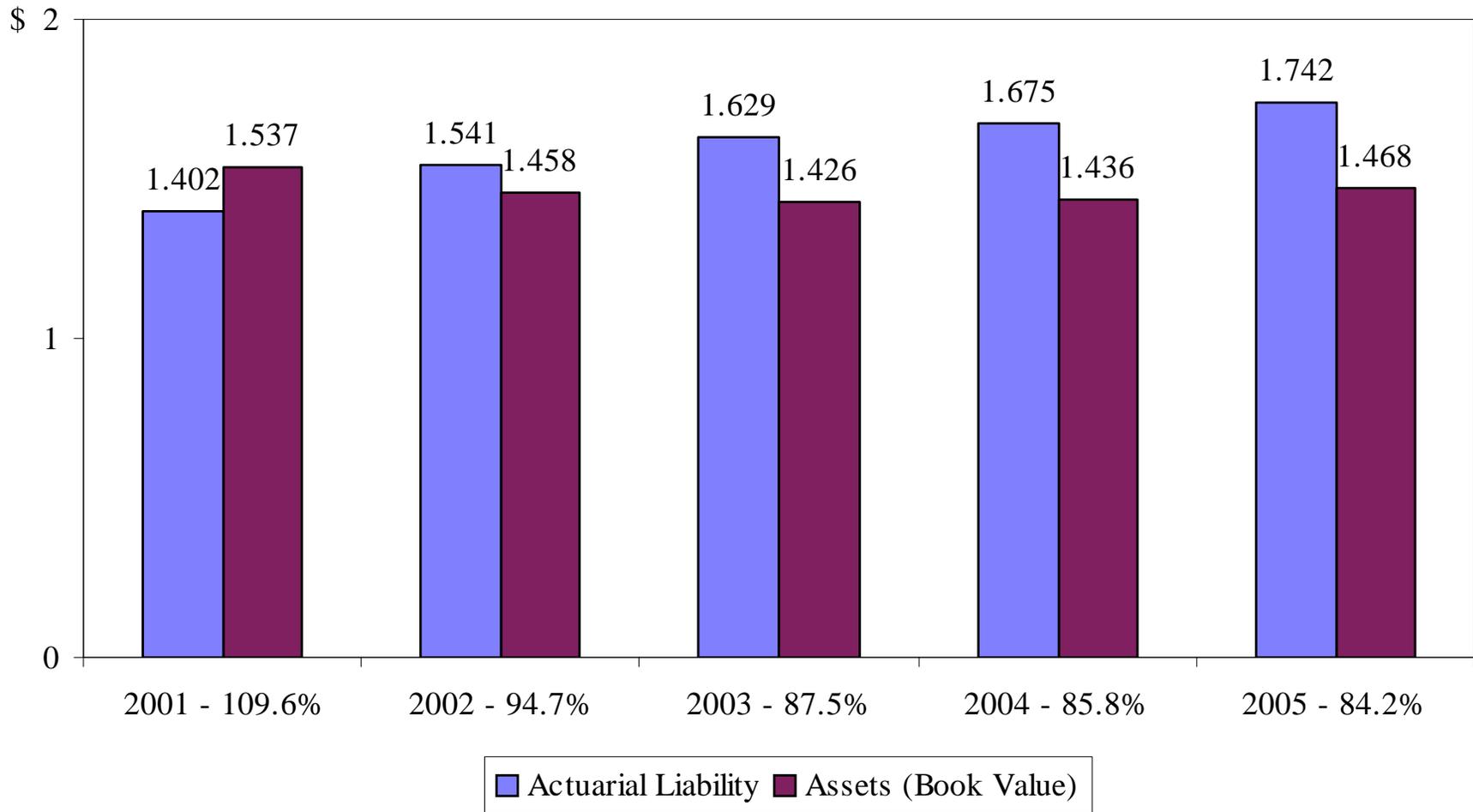
**COMPONENTS OF FUNDING RATIO  
GASB #25/STATE REPORTING  
(\$ IN BILLIONS)**



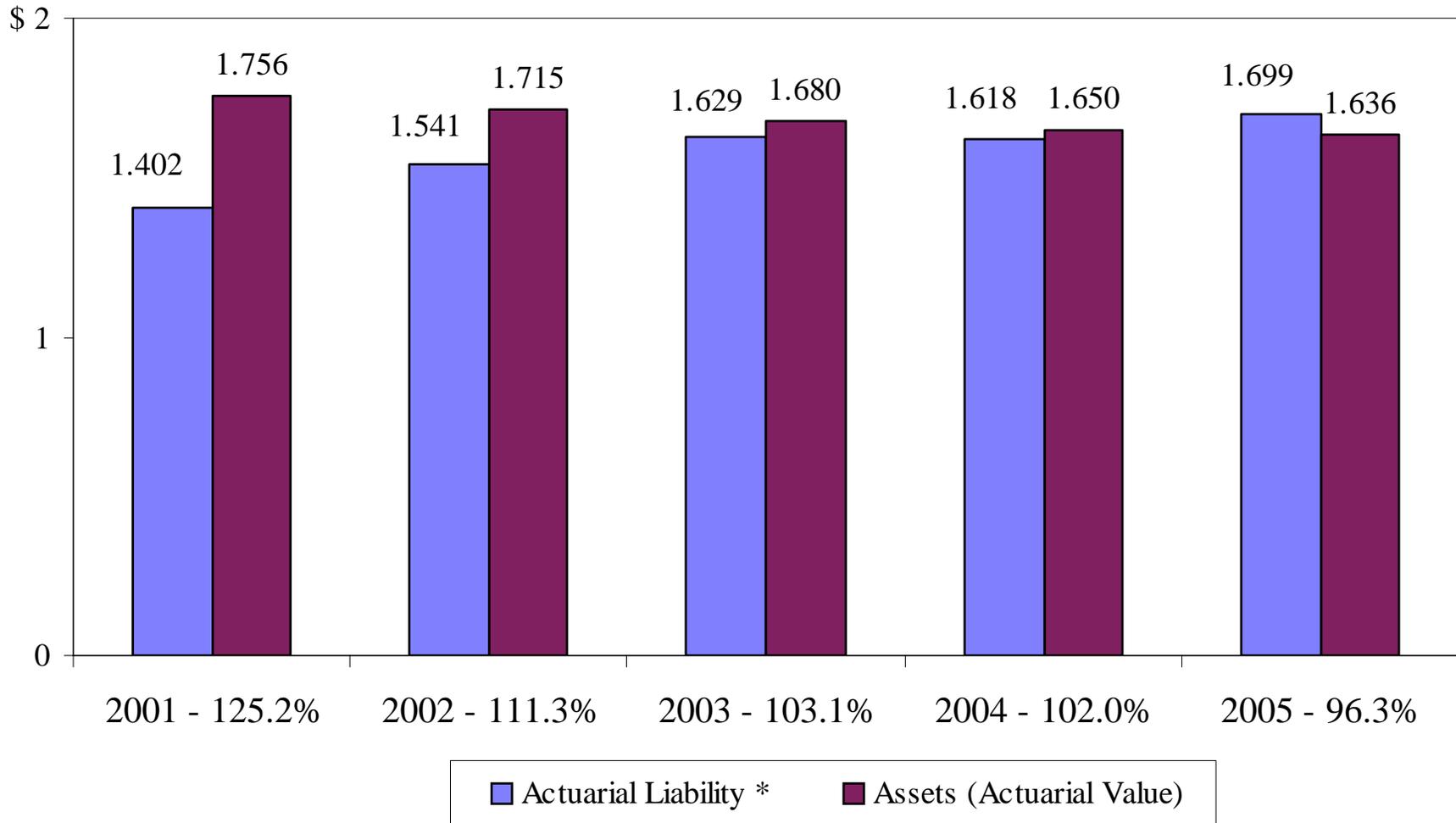
**COMPONENTS OF FUNDING RATIO  
BASED ON MARKET VALUE  
(\$ IN BILLIONS)**



**COMPONENTS OF FUNDING RATIO  
BASED ON BOOK VALUE  
(\$ IN BILLIONS)**

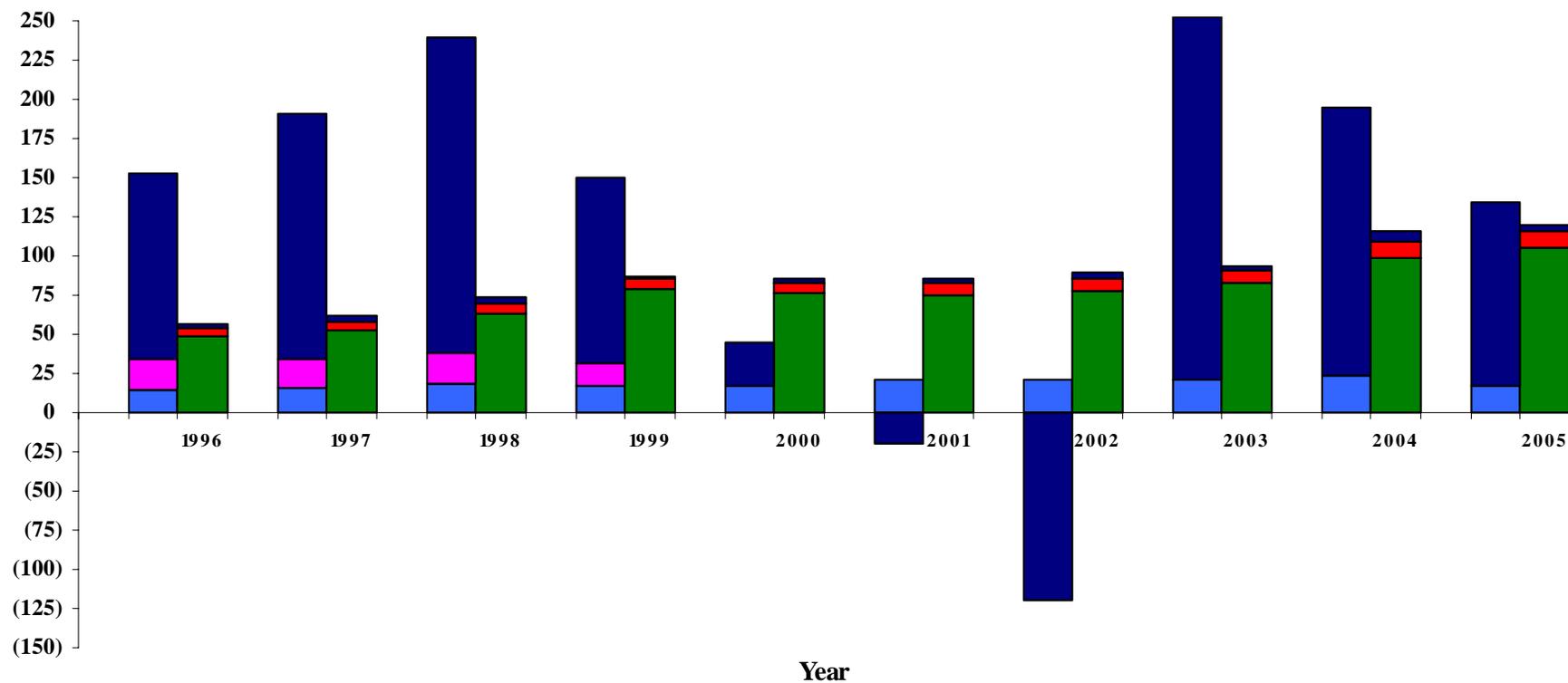


**COMPONENTS OF FUNDING RATIO  
CITY TAX LEVY DETERMINATION  
(\$ IN BILLIONS)**



\* Excludes ERI liability established in 2004

## SUMMARY OF INCOME AND DISBURSEMENTS (\$ IN MILLIONS)



INCOME	DISBURSEMENTS
Employee Contributions	Benefits
Employer Contributions	Expenses
Investment Income	Refunds

# Actuarial Computations



**TABLE 1**  
**DEVELOPMENT OF ANNUAL REQUIRED CONTRIBUTION**  
**UNDER GASB #25 AND GASB #43 FOR 2006**

	<u>2005</u>	<u>2006</u> <sup>1,2</sup>
(1) Normal Cost	\$ 24,764,145	\$ 28,139,032
(2) Actuarial Accrued Liability (AAL)	1,674,614,651	1,742,300,488
(3) Unfunded AAL (UAAL)		
(a) Actuarial Value of Assets	1,649,959,130	1,635,595,437
(b) UAAL [2-3(a)]	24,655,521	106,705,051
(4) Amortization (Level \$) Payable at BOY	1,914,459	7,500,549
(5) Minimum Actuarially Calculated Contribution		
(a) Interest Adjustment for Semimonthly Payment	995,379	1,387,733
(b) Total Minimum Contribution [1+4+5(a); but not less than zero]	27,673,983	37,027,314
(c) Total Minimum Contribution (Percent of Pay)	16.14%	20.25%
(6) Estimated Member Contributions	14,899,880	15,884,575
(7) Annual Required Contribution (ARC)		
(a) Annual Required Contribution [5(b)-6]	\$ 12,774,103	\$ 21,142,739
(b) Annual Required Contribution (Percent of Pay)	7.45%	11.57%
(8) Estimated City Contribution (after 4% loss)		
(a) Statutory Required City Contribution (After 4% loss)	18,212,098	16,505,724
(b) Less City Adjustment Due to Funding Status	(18,212,098)	(16,505,724)
(c) Tax Levied by City [(a)+(b)]	-	-
(9) City Contribution Deficiency/(Excess)		
(a) in Dollars [(7(a)-8(c)]	12,774,103	21,142,739
(b) as a Percentage of Pay	7.45%	11.57 %
(10) Combined City/Member Contributions Deficiency/(Excess)		
(a) in Dollars [5(b)-6-8(c)]	\$ 12,774,103	\$ 21,142,739
(b) as a Percentage of Pay	7.45 %	11.57 %

<sup>1</sup> The normal cost and actuarial accrued liabilities for the health insurance supplement are based on a discount rate of 4.50 percent.

<sup>2</sup> Amortization period of 40 years for pension and 30 years for the health insurance supplement. The amortization period for pension will reduce to 30 years in the calculation of the 2007 ARC. The amortization factor for health insurance supplement is based on an interest rate of 4.50 percent.

**TABLE 1A**  
**DEVELOPMENT OF ANNUAL REQUIRED CONTRIBUTION**  
**FOR PENSION AND HEALTHCARE**  
**UNDER GASB #25 AND GASB #43 FOR 2006**

	<u>Pension</u>	<u>Health Ins. Supplement<sup>1</sup></u>	<u>Total</u>
(1) Normal Cost	\$ 27,115,824	\$ 1,023,208	\$ 28,139,032
(2) Actuarial Accrued Liability (AAL)	1,700,771,430	41,529,058	1,742,300,488
(3) Unfunded AAL (UAAL)			
(a) Actuarial Value of Assets	1,635,595,437	-	1,635,595,437
(b) UAAL [2-3(a)]	65,175,993	41,529,058	106,705,051
(4) Amortization (Level \$) Payable at BOY <sup>2</sup>	5,060,805	2,439,744	7,500,549
(5) Minimum Actuarially Calculated Contribution			
(a) Interest Adjustment for Semimonthly Payment	1,307,712	80,021	1,387,733
(b) Total Minimum Contribution [1+4+5(a)]; but not less than zero	33,484,341	3,542,973	37,027,314
(c) Total Minimum Contribution (Percent of Pay)	18.31%	1.94%	20.25%
(6) Estimated Member Contributions	15,884,575	-	15,884,575
(7) Annual Required Contribution (ARC)			
(a) Annual Required Contribution [5(b)-6]	\$ 17,599,766	\$ 3,542,973	\$ 21,142,739
(b) Annual Required Contribution (Percent of Pay)	9.63%	1.94%	11.57%
(8) Estimated City Contribution	-	-	-
(9) City Contribution Deficiency/(Excess)			
(a) in Dollars [(7(a))-8]	17,599,766	3,542,973	21,142,739
(b) as a Percentage of Pay	9.63%	1.94%	11.57%
(10) Combined City/Member Contributions Deficiency/(Excess)			
(a) in Dollars [5(b)-6-8]	\$ 17,599,766	\$ 3,542,973	\$ 21,142,739
(b) as a Percentage of Pay	9.63%	1.94%	11.57%

<sup>1</sup> The normal cost and liabilities for the health insurance supplement are based on a discount rate of 4.50 percent.

<sup>2</sup> Amortization periods of 40 years for pension and 30 years for the health insurance supplement. The amortization period for pension will reduce to 30 years in the calculation of the 2007 ARC. The amortization factor for the health insurance supplement is based on an interest rate of 4.50 percent.

**TABLE 1B**  
**DEVELOPMENT OF CITY CONTRIBUTION REQUIREMENTS**

	<b>Fiscal Year 2006</b>	<b>Fiscal Year 2007</b>
Preliminary Determination of City Contribution		
Applicable Members' Contribution, Two Years Prior	\$ 17,193,400	\$ 15,459,100
Statutory Contribution Multiple	1.00	1.00
Statutory City Contribution	17,193,400	15,459,100
Actuarial Liability at Valuation Date	1,674,614,651	1,742,300,488
ERI Cost at Valuation Date	56,388,737	43,668,668
Actuarial Liability Excluding ERI Cost	1,618,225,914	1,698,631,820
Actuarial Value of Assets at Valuation Date	1,649,959,130	1,635,595,437
Funded Ratio - Including ERI Liabilities	98.53%	93.88%
Funded Ratio - Without ERI Liabilities	101.96%	96.29%
Statutory City Contribution*	Not Required	Required

<b>Valuation Date</b>		<b>ERI Liability</b>
<b><u>December 31,</u></b>		
2004	\$	56,388,737
2005		43,668,668
2006		32,187,758
2007		22,459,143
2008		14,286,454
2009		7,716,575
2010		2,581,018
2011		-

\*Public Act 93-0654 provides for the ERI cost to be excluded from the liability used to determine if a contribution by the City is required. If, as of the applicable Valuation Date, the funded ratio excluding the ERI cost is greater than 100 percent, then no contribution by the City is required.

**TABLE 2**  
**RECONCILIATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY**  
**(GAIN/LOSS ANALYSIS)**

	2005	2004	2003	2002	2001
Unfunded (Overfunded) Actuarial Accrued Liability (UAAL)					
Beginning of Year	\$24,655,521	\$(51,233,134)	\$(174,468,677)	\$(353,941,671)	\$(440,057,229)
(Gains) Losses During the Year Attributable to:					
Contributions Less Than (in Excess of) Normal Cost plus Interest	11,781,133	8,944,477	(3,077,858)	(20,170,796)	(31,104,979)
(Gain) Loss on Investment Return	46,497,745	74,809,245	102,530,567	115,844,320	59,627,970
(Gain) Loss from Salary Changes	14,848,509	(18,649,117)	(17,028,927)	(7,862,789)	43,312,402
(Gain) Loss from Retirement, Termination, & Mortality	12,543,768	22,774,401	34,444,569	18,691,501	14,280,165
(Gain) Loss from Data Corrections	-	-	-	-	-
Change in Methodology	5,593,808	-	-	-	-
Change in Assumptions	(9,215,433)	(82,523,758)	-	-	-
Plan Amendments	-	70,533,407	6,367,192	72,970,758	-
Net Increase (Decrease) in UAAL	82,049,530	75,888,655	123,235,543	179,472,994	86,115,558
Unfunded (Overfunded) Actuarial Accrued Liability (UAAL)					
End of Year	\$106,705,051	\$24,655,521	\$(51,233,134)	\$(174,468,677)	\$(353,941,671)

**TABLE 2A**  
**RECONCILIATION OF FUNDED RATIO**

	<b>2005</b>
Funded Ratio Beginning of Year	<b>98.53%</b>
Expected Increase If All Assumptions Realized	<b>0.04%</b>
Expected Funded Ratio	<b>98.57%</b>
Gains (Losses) During the Year Attributable to:	
Contributions in Excess of (Less Than) Normal Cost plus Interest	-0.69%
Gain (Loss) on Investment Return	-2.71%
Gain (Loss) from Salary Changes	-0.81%
Gain (Loss) from Retirement, Termination, & Mortality	-0.68%
Gain (Loss) from Data Corrections	0.00%
Change in Methodology	-0.30%
Change in Assumptions	0.50%
Plan Amendments	0.00%
Total Gains (Losses) During the Year	<b>-4.69%</b>
Funded Ratio End of Year	<b>93.88%</b>

**TABLE 3**  
**SUMMARY OF BASIC ACTUARIAL VALUES**

	<b>APV of Projected Benefits</b>	<b>2006 Normal Cost</b>
(1) Values for Active and Inactive Members		
(a) Retirement	\$ 753,966,256	\$ 14,844,510
(b) Termination - Vested	73,068,262	3,738,493
(c) Termination - Non Vested	5,554,385	2,271,709
(d) Death	11,527,271	533,678
(e) Inactive Vested and Non-Vested <sup>1</sup>	35,833,290	-
(f) Health Insurance	25,832,467	1,023,208
(g) Disability	-	2,742,141
(h) Expenses of Administration	-	2,985,293
Total for Active and Inactive Members	\$ 905,781,931	\$ 28,139,032
(2) Values for Members in Payment Status	\$ 1,023,899,580	\$ -
(3) Grand Totals	\$ 1,929,681,511	\$ 28,139,032
Actuarial Present Value of Future Compensation		\$ 1,507,897,791

<sup>1</sup>Inactive vested liability was included in "Values for Members in Payment Status" last year.

**TABLE 4**  
**TERMINATION LIABILITIES**

	<u>2004</u>	<u>2005</u>
Liability for Retired Annuitants, Widows/Widowers, and Spouses of Annuitants <sup>1</sup>	\$ 1,055,408,468	\$ 1,023,899,580
Salary Deductions Contributed by Active and Inactive Fund Members (with Interest)	213,524,642	224,180,889
Total	<u>\$ 1,268,933,110</u>	<u>\$ 1,248,080,469</u>
Actuarial Asset Value	1,649,959,130	1,635,595,437
Excess Upon Termination	<u>\$ 381,026,020</u>	<u>\$ 387,514,968</u>
Percent Funded	130.03%	131.05%

<sup>1</sup>Before 2005, inactive vested member liability was included with the retired annuitants. Beginning in 2005, the inactive vested member liability is included with active members.

**TABLE 5**  
**ACTUARIAL ACCRUED LIABILITY PRIORITIZED**  
**SOLVENCY TEST**

Valuation Date 12/31	(1)	(2)	(3)	Actuarial Value of Assets	Portion (%) of Present Value Covered		
	Active and Inactive Member Contribution	Retirees and Beneficiaries <sup>4</sup>	Active and Inactive Members (ER Financed Portion)		(1)	(2)	(3)
1996	\$187,040,430	\$405,010,948	\$344,572,341	\$1,172,316,925	100.00%	100.00%	100.00%
1997 <sup>1,2</sup>	199,007,766	455,856,814	385,785,954	1,328,085,799	100.00%	100.00%	100.00%
1998 <sup>1,2</sup>	177,746,739	771,214,483	343,650,489	1,530,395,014	100.00%	100.00%	100.00%
1999 <sup>2,3</sup>	193,754,190	701,998,792	414,019,359	1,690,749,716	100.00%	100.00%	100.00%
2000	205,361,994	641,573,414	450,978,472	1,737,971,109	100.00%	100.00%	100.00%
2001	213,887,422	638,327,325	549,923,873	1,756,080,291	100.00%	100.00%	100.00%
2002 <sup>1</sup>	238,225,175	676,418,854	625,960,732	1,715,073,438	100.00%	100.00%	100.00%
2003 <sup>1</sup>	246,529,315	721,917,308	660,116,410	1,679,796,167	100.00%	100.00%	100.00%
2004 <sup>1,2</sup>	213,524,642	1,055,408,468	405,681,541	1,649,959,130	100.00%	100.00%	93.92%
2005 <sup>2</sup>	224,180,889	1,023,899,580	494,220,019	1,635,595,437	100.00%	100.00%	78.41%

<sup>1</sup> Change in benefits

<sup>2</sup> Change in actuarial assumptions

<sup>3</sup> Change in actuary

<sup>4</sup> Before 2005, inactive vested member liability was included with the retirees and beneficiaries

The prioritized solvency test is another means of checking a system's progress under its funding program, based on the Actuarial Accrued Liability. In this test the plan's present assets (cash and investments) are compared with obligations in order of priority: (1) active and inactive member contributions on deposit; (2) the present value of future benefits to present retired lives; (3) the employer financed portion for present active and inactive members. In a system that has been following the discipline of financing, the obligation for active and inactive member contributions on deposit (present value 1) and the present value of future benefits to present retired lives (present value 2) will be fully covered by present assets (except in rare circumstances). In addition, the Actuarial Accrued Liability for present active and inactive members (present value 3) is covered by the remainder of present assets. Generally, if the system has been following a system of amortizing the Unfunded Liability, the funded portion of present value (3) will increase over time.

**TABLE 6**  
**STATUTORY RESERVES AS OF DECEMBER 31, 2005**

	New in 2005			Continuing from 2004			Total		
	Annuity Payment Fund	Prior Service Fund	Total	Annuity Payment Fund	Prior Service Fund	Total	Annuity Payment Fund	Prior Service Fund	Total
<b>Statutory Reserve <sup>1</sup></b>									
Retirees	\$ 8,991,010	\$ 28,230,816	\$ 37,221,826	\$ 206,040,058	\$ 744,008,303	\$ 950,048,361	\$ 215,031,068	\$ 772,239,119	\$ 987,270,187
Future Surviving Spouses	\$ 2,083,116	\$ 1910,088	\$ 3,993,204	\$ 52,955,077	\$ 66,172,419	\$ 119,127,496	\$ 55,038,193	\$ 68,082,507	\$ 123,120,700
Spouses	\$ 5,222,279	\$ 3,655,758	\$ 8,878,037	\$ 43,111,830	\$ 49,207,278	\$ 92,319,108	\$ 48,334,109	\$ 52,863,036	\$ 101,197,145
<b>Annual Benefits</b>									
Retirees	\$ 685,181	\$ 1,426,472	\$ 2,111,653	\$ 22,737,916	\$ 58,607,698	\$ 81,345,614	\$ 23,423,097	\$ 60,034,170	\$ 83,457,267
Future Surviving Spouses	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Spouses	\$ 574,231	\$ 488,912	\$ 1,063,143	\$ 5,844,265	\$ 8,006,075	\$ 13,850,340	\$ 6,418,496	\$ 8,494,987	\$ 14,913,483

<sup>1</sup>As required by State statutes, calculated using the Combined Annuity Mortality Table with interest at 3.00 percent per annum, except for employees and spouses of employees who were participants on or before January 1, 1952, for whom the American Experience Table of Mortality with interest at 4.00 percent per annum is used.

**TABLE 7**  
**DEPARTMENT OF INSURANCE DISCLOSURE**

	<u>2004</u>	<u>2005</u>
APV of Credited Projected Benefits		
Payable to Retirees and Beneficiaries <sup>1</sup>	\$ 1,055,408,468	\$ 1,023,899,580
Current Active and Inactive Employees:		
Accumulated Employee Contributions	213,524,642	224,180,889
Payable to Vested and Non-Vested Employees	<u>179,680,131</u>	<u>233,133,710</u>
Total APV	<u>\$ 1,448,613,241</u>	<u>\$ 1,481,214,179</u>
Net Assets Available for Benefits, Actuarial Value	<u>\$ 1,649,959,130</u>	<u>\$ 1,635,595,437</u>
Unfunded AAL (AAL in excess of assets)	\$ (201,345,889)	\$ (154,381,258)
Percent Funded	113.90%	110.42%
Unfunded AAL as Percent of Payroll	(117.42)%	(84.45)%
Payroll	\$ 171,476,937	\$ 182,809,397

<sup>1</sup>Before 2005, inactive vested member liability was included with the retirees and beneficiaries. Beginning in 2005, the inactive vested member liability is included with active members.

**TABLE 8**  
**ACTUARIAL RESERVE LIABILITIES**  
**FOR THE FISCAL YEAR ENDED DECEMBER 31, 2005**

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Accrued Liabilities for Active and Inactive Participants <sup>1</sup>	\$ 718,400,908
<b>Reserves For:</b>	
Service Retirement Pension	\$ 815,924,581
Future Widows of Current Retirees	78,981,288
Surviving Spouse Pension	103,744,956
Health Insurance Supplement	24,811,561
Children Annuitants	437,194
	<hr/>
<b>Total Accrued Liabilities</b>	<b>\$ 1,742,300,488</b>
<b>Unfunded Actuarial Liabilities (Surplus)</b>	<b>106,705,051</b>
<b>Actuarial Net Assets</b>	<b>\$ 1,635,595,437</b>

<sup>1</sup> *Accrued liabilities for active participants includes retirement liability for members in ordinary or duty disabled status. Liability for disability benefits is recognized as a one-year term cost of 1.50 percent of pay added to the normal cost.*

# Assets of the Plan



## ASSETS OF THE PLAN

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The book value of plan assets, net of accounts payable, increased from \$1.44 billion as of December 31, 2004, to \$1.47 billion as of December 31, 2005, and the market value of plan assets increased from \$1.64 billion as of December 31, 2004, to \$1.66 billion as of December 31, 2005. Table 9 details the development of asset values during 2005 and Table 10 shows the development of the actuarial value of assets as of December 31, 2005.

**TABLE 9**  
**RECONCILIATION OF ASSET VALUES**  
**AS OF DECEMBER 31, 2005**

	<u>Market Value</u>	<u>Book Value</u>
(1) Value of Assets as of 12/31/2004	\$ 1,637,369,008	\$ 1,436,405,492
(2) Income for Plan Year:		
(a) Member Contributions	\$ 16,256,802	\$ 16,256,802
(b) City Contributions & Miscellaneous	40,435	40,435
(c) Investment Income Net of Expenses	117,785,265	127,319,107
(d) Total Income	<u>\$ 134,082,502</u>	<u>\$ 143,616,344</u>
(3) Disbursements for Plan Year:		
(a) Benefit Payments - Pension	\$ 102,871,709	\$ 102,871,709
(b) Benefit Payments - Health Insurance Supplement	2,293,118	2,293,118
(c) Refunds and Rollovers	4,240,024	4,240,024
(d) Administration	2,985,293	2,985,293
(e) Total Disbursements	<u>\$ 112,390,144</u>	<u>\$ 112,390,144</u>
(4) Value of Assets as of 12/31/2005	\$ 1,659,061,366	\$ 1,467,631,692
(5) Estimated Rate of Return in 2005:		
(a) Gross (Investment Expense of \$7,057,650)	7.86%	9.68%
(b) Net of Investment Expense	7.41%	9.17%

**TABLE 10**  
**DEVELOPMENT OF ACTUARIAL VALUE OF ASSETS**  
**AS OF DECEMBER 31, 2005**

<b>(1) Expected Return on Market Value of Assets for Prior Year</b>				
(a) Market Value of Assets as of 12/31/2004				\$1,637,369,008
(b) Actual Income and Disbursements in Prior Year Weighted for Timing				
	<b>Item</b>	<b>Amount</b>	<b>Weight for Timing</b>	<b>Weighted Amount</b>
i)	Member Contributions	\$ 16,256,802	50.0%	\$ 8,128,401
ii)	City Contributions & Misc.	40,435	50.0%	20,218
iii)	Benefit Payments	(105,164,827)	50.0%	(52,582,414)
iv)	Refunds	(4,240,024)	50.0%	(2,120,012)
v)	Administration	(2,985,293)	50.0%	(1,492,647)
vi)	Total			<u>\$ (48,046,454)</u>
(c) Market Value of Assets Adj. for Actual Income and Disbursements [(a) + (b)(vi)]				\$1,589,322,554
(d) Assumed Rate of Return on Plan Assets for the Year				8.00%
(e) Expected Return [(c) * (d)]				\$ 127,145,804
<b>(2) Actual Return on Market Value of Assets for Prior Year</b>				
(a) Market Value of Assets as of 12/31/2004				\$1,637,369,008
(b) Income (less investment income) for Prior Plan Year				16,297,237
(c) Disbursements Paid in Prior Year				112,390,144
(d) Market Value of Assets as of 12/31/2005				<u>1,659,061,366</u>
(e) Actual Return [(d) + (c) - (b) - (a)]				\$ 117,785,265
<b>(3) Investment Gain/(Loss) for Prior Year [2(e) - 1(e)]</b>				(\$9,360,539)
<b>(4) Actuarial Value of Assets as of 12/31/2005</b>				
(a) Market Value of Assets as of 12/31/2005				\$1,659,061,366
(b) Deferred Investment Gains and (Losses) for Last 5 Years				
	<b>Plan Year</b>	<b>Gain/(Loss)</b>	<b>Weight for Timing</b>	<b>Deferred Amount</b>
i)	2001	\$ (148,671,218)	0.00%	\$ -
ii)	2002	(242,577,321)	20.00%	(48,515,464)
iii)	2003	123,229,282	40.00%	49,291,713
iv)	2004	50,296,851	60.00%	30,178,111
v)	2005	(9,360,539)	80.00%	(7,488,431)
vi)	Total	<u>\$ (227,082,945)</u>		<u>\$ 23,465,929</u>
(c) Actuarial Value of Assets				\$1,635,595,437
The calculated value is determined by adjusting the market value of assets to reflect the investment gains and losses (the difference between the actual investment return and the expected investment return) during each of the last 5 years at the rate of 20 percent per year.				

## Plan Members Data



**EXHIBIT A 1**  
**SUMMARY OF CHANGES IN ACTIVE PARTICIPANTS**  
**FOR THE YEAR ENDING DECEMBER 31, 2005**

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Number of Active Members at Beginning of Year <sup>1</sup>	2,703	432	3,135
Increases:			
Reclassification of Gender	(1)	1	-
Members Added During the Year	12	5	17
Members Returning From Inactive	171	21	192
	<u>182</u>	<u>27</u>	<u>209</u>
Totals	2,885	459	3,344
Decreases:			
Terminations During Year	181	22	203
Number of Active Members at End of Year	2,704	437	3,141
Terminations			
To Inactive Status	102	13	115
Withdrawal (With Refunds)	34	4	38
Refund in Lieu of an Annuity	-	-	-
Retirements	39	3	42
Transfer to Another Fund	1	-	1
Deaths	5	2	7
Closed for Misc. Reasons	-	-	-
Totals	<u>181</u>	<u>22</u>	<u>203</u>

<sup>1</sup>All employees receiving ordinary and duty disability benefits are included in the active count.

**EXHIBIT A 2**  
**SUMMARY OF CHANGES IN INACTIVE PARTICIPANTS**  
**FOR THE YEAR ENDING DECEMBER 31, 2005**

	<u>Male</u>	<u>Female</u>	<u>Total</u>
Number of Inactive Members at Beginning of Year	1,822	185	2,007
Increases:			
Reclassification of Gender	(1)	1	-
Members Added During the Year	8	-	8
Members Transferring from Active	102	13	115
	<u>109</u>	<u>14</u>	<u>123</u>
Totals	1,931	199	2,130
Decreases:			
Terminations During Year	265	27	292
Number of Inactive Members at End of Year	1,666	172	1,838
Terminations			
Withdrawal (With Refunds)	69	5	74
To Active Status	143	19	162
To Duty Disabled	25	1	26
To Ordinary Disabled	3	1	4
Transfer Payment to Another Fund	1	-	1
Retirements	13	-	13
Closed for Misc. Reasons	4	-	4
Deaths	7	1	8
	<u>265</u>	<u>27</u>	<u>292</u>
Totals	265	27	292

**EXHIBIT B**  
**SUMMARY OF CHANGES IN ANNUITANTS AND BENEFICIARIES**  
**FOR THE YEAR ENDING DECEMBER 31, 2005**

	<b>Number at Beginning of Year</b>	<b>Additions During Year</b>	<b>Terminations During Year</b>	<b>Number at End of Year</b>
Employee Annuitants	2,836	55	154	2,737
Surviving Spouse Annuitants	1,379	84	96	1,367
Child Annuitants	62	6	16	52
Ordinary Disability Benefit	63	130	137	56
Duty Disability Benefit	92	326	298	120
<b>Totals</b>	<b>4,432</b>	<b>601</b>	<b>701</b>	<b>4,332</b>

## EXHIBIT C

### PART I – TOTAL LIVES AND ANNUAL SALARIES OF ACTIVE MALE PARTICIPANTS CLASSIFIED BY AGE AND YEARS OF SERVICE AS OF DECEMBER 31, 2005

Attained Age	Completed Years of Service										Total
	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 & Over		
Under 20	-	-	-	-	-	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20-24	1	4	8	-	-	-	-	-	-	-	13
	\$ 33,717	\$ 163,413	\$ 443,349	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 640,479
25-29	4	18	85	6	-	-	-	-	-	-	113
	\$ 131,040	\$ 808,829	\$ 4,756,120	\$ 371,113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,067,102
30-34	1	21	143	68	6	-	-	-	-	-	239
	\$ 33,717	\$ 881,721	\$ 7,737,985	\$ 4,175,089	\$ 369,782	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,198,294
35-39	1	37	142	114	53	1	-	-	-	-	348
	\$ 32,760	\$ 1,727,773	\$ 7,870,476	\$ 6,960,506	\$ 3,052,423	\$ 69,160	\$ -	\$ -	\$ -	\$ -	\$ 19,713,098
40-44	1	19	125	109	109	76	33	1	-	-	473
	\$ 33,717	\$ 934,276	\$ 6,742,072	\$ 6,481,634	\$ 6,579,264	\$ 4,916,898	\$ 2,257,456	\$ 153,882	\$ -	\$ -	\$ 28,099,199
45-49	1	21	102	89	84	108	222	44	-	-	671
	\$ 32,760	\$ 944,967	\$ 5,523,469	\$ 5,549,684	\$ 4,894,537	\$ 6,812,890	\$ 14,675,541	\$ 3,034,485	\$ -	\$ -	\$ 41,468,333
50-54	1	11	59	67	65	72	118	69	2	-	464
	\$ 33,717	\$ 528,425	\$ 3,142,589	\$ 3,947,213	\$ 3,617,163	\$ 4,639,373	\$ 7,503,117	\$ 4,754,206	\$ 128,794	\$ -	\$ 28,294,597
55-59	-	8	34	34	30	32	37	25	9	-	209
	\$ -	\$ 408,123	\$ 1,846,771	\$ 1,985,393	\$ 1,679,038	\$ 1,875,736	\$ 2,318,192	\$ 1,557,542	\$ 609,388	\$ -	\$ 12,280,183
60-64	-	3	21	23	16	20	16	8	6	-	113
	\$ -	\$ 133,499	\$ 1,072,050	\$ 1,331,761	\$ 863,991	\$ 1,212,055	\$ 994,875	\$ 528,318	\$ 476,642	\$ -	\$ 6,613,191
65-70	-	1	7	8	8	6	6	4	4	-	44
	\$ -	\$ 33,155	\$ 325,505	\$ 430,957	\$ 458,224	\$ 349,228	\$ 363,835	\$ 207,547	\$ 299,042	\$ -	\$ 2,467,493
70 & Over	-	-	1	2	2	3	3	1	5	-	17
	\$ -	\$ -	\$ 62,712	\$ 127,296	\$ 107,868	\$ 214,172	\$ 210,850	\$ 74,110	\$ 286,590	\$ -	\$ 1,083,598
<b>Total</b>	<b>10</b>	<b>143</b>	<b>727</b>	<b>520</b>	<b>373</b>	<b>318</b>	<b>435</b>	<b>152</b>	<b>26</b>	<b>-</b>	<b>2,704</b>
	<b>\$ 331,428</b>	<b>\$ 6,564,181</b>	<b>\$ 39,523,098</b>	<b>\$ 31,360,646</b>	<b>\$ 21,622,290</b>	<b>\$ 20,089,512</b>	<b>\$ 28,323,866</b>	<b>\$ 10,310,090</b>	<b>\$ 1,800,456</b>	<b>\$ -</b>	<b>\$ 159,925,567</b>

## EXHIBIT C

### PART II – TOTAL LIVES AND ANNUAL SALARIES OF ACTIVE FEMALE PARTICIPANTS CLASSIFIED BY AGE AND YEARS OF SERVICE AS OF DECEMBER 31, 2005

Attained Age	Completed Years of Service									Total	
	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 & Over		
Under 20	-	-	-	-	-	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20-24	-	-	-	-	-	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25-29	1	8	27	-	-	-	-	-	-	-	36
	\$ 32,760	\$ 355,536	\$ 1,394,640	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1,782,936
30-34	-	11	36	11	1	-	-	-	-	-	59
	\$ -	\$ 405,888	\$ 1,866,943	\$ 582,418	\$ 43,668	\$ -	\$ -	\$ -	\$ -	\$ -	2,898,917
35-39	1	10	39	9	15	-	-	-	-	-	74
	\$ 32,760	\$ 472,082	\$ 2,081,446	\$ 473,700	\$ 831,411	\$ -	\$ -	\$ -	\$ -	\$ -	3,891,399
40-44	-	6	38	16	22	4	-	-	-	-	86
	\$ -	\$ 203,016	\$ 1,963,614	\$ 974,653	\$ 1,305,914	\$ 238,976	\$ -	\$ -	\$ -	\$ -	4,686,173
45-49	-	4	30	14	21	7	-	-	-	-	76
	\$ -	\$ 177,171	\$ 1,487,372	\$ 760,595	\$ 1,132,690	\$ 493,907	\$ -	\$ -	\$ -	\$ -	4,051,735
50-54	-	5	14	11	21	5	-	-	-	-	56
	\$ -	\$ 229,320	\$ 767,043	\$ 586,989	\$ 1,163,041	\$ 263,574	\$ -	\$ -	\$ -	\$ -	3,009,967
55-59	-	1	11	6	10	2	1	1	-	-	32
	\$ -	\$ 41,700	\$ 582,712	\$ 347,744	\$ 554,840	\$ 123,192	\$ 62,712	\$ 72,768	\$ -	\$ -	1,785,668
60-64	-	-	6	1	5	-	-	-	-	1	13
	\$ -	\$ -	\$ 305,801	\$ 54,600	\$ 206,278	\$ -	\$ -	\$ -	\$ -	\$ 12,241	578,920
65-70	-	-	1	1	-	-	1	-	-	-	3
	\$ -	\$ -	\$ 38,004	\$ 54,600	\$ -	\$ -	\$ 62,712	\$ -	\$ -	\$ -	155,316
70 & Over	-	-	-	-	-	-	-	-	2	-	2
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,799	\$ -	42,799
<b>Total</b>	<b>2</b>	<b>45</b>	<b>202</b>	<b>69</b>	<b>95</b>	<b>18</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>437</b>	
	\$ 65,520	\$ 1,884,713	\$ 10,487,575	\$ 3,835,299	\$ 5,237,842	\$ 1,119,649	\$ 125,424	\$ 72,768	\$ 55,040	\$ -	22,883,830

**EXHIBIT C**  
**PART III – TOTAL LIVES AND ANNUAL SALARIES OF ALL ACTIVE PARTICIPANTS CLASSIFIED BY AGE**  
**AND YEARS OF SERVICE AS OF DECEMBER 31, 2005**

Attained Age	Completed Years of Service									Total	
	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35 & Over		
Under 20	-	-	-	-	-	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20-24	1	4	8	-	-	-	-	-	-	-	13
	\$ 33,717	\$ 163,413	\$ 443,349	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 640,479
25-29	5	26	112	6	-	-	-	-	-	-	149
	\$ 163,800	\$ 1,164,365	\$ 6,150,760	\$ 371,113	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,850,038
30-34	1	32	179	79	7	-	-	-	-	-	298
	\$ 33,717	\$ 1,287,609	\$ 9,604,928	\$ 4,757,507	\$ 413,450	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,097,211
35-39	2	47	181	123	68	1	-	-	-	-	422
	\$ 65,520	\$ 2,199,855	\$ 9,951,922	\$ 7,434,206	\$ 3,883,834	\$ 69,160	\$ -	\$ -	\$ -	\$ -	\$ 23,604,497
40-44	1	25	163	125	131	80	33	1	-	-	559
	\$ 33,717	\$ 1,137,292	\$ 8,705,686	\$ 7,456,287	\$ 7,885,178	\$ 5,155,874	\$ 2,257,456	\$ 153,882	\$ -	\$ -	\$ 32,785,372
45-49	1	25	132	103	105	115	222	44	-	-	747
	\$ 32,760	\$ 1,122,138	\$ 7,010,841	\$ 6,310,279	\$ 6,027,227	\$ 7,306,797	\$ 14,675,541	\$ 3,034,485	\$ -	\$ -	\$ 45,520,068
50-54	1	16	73	78	86	77	118	69	2	-	520
	\$ 33,717	\$ 757,745	\$ 3,909,632	\$ 4,534,202	\$ 4,780,204	\$ 4,902,947	\$ 7,503,117	\$ 4,754,206	\$ 128,794	\$ -	\$ 31,304,564
55-59	-	9	45	40	40	34	38	26	9	-	241
	\$ -	\$ 449,823	\$ 2,429,483	\$ 2,333,137	\$ 2,233,878	\$ 1,998,928	\$ 2,380,904	\$ 1,630,310	\$ 609,388	\$ -	\$ 14,065,851
60-64	-	3	27	24	21	20	16	8	7	-	126
	\$ -	\$ 133,499	\$ 1,377,851	\$ 1,386,361	\$ 1,070,269	\$ 1,212,055	\$ 994,875	\$ 528,318	\$ 488,883	\$ -	\$ 7,192,111
65-70	-	1	8	9	8	6	7	4	4	-	47
	\$ -	\$ 33,155	\$ 363,509	\$ 485,557	\$ 458,224	\$ 349,228	\$ 426,547	\$ 207,547	\$ 299,042	\$ -	\$ 2,622,809
70 & Over	-	-	1	2	2	3	3	1	7	-	19
	\$ -	\$ -	\$ 62,712	\$ 127,296	\$ 107,868	\$ 214,172	\$ 210,850	\$ 74,110	\$ 329,389	\$ -	\$ 1,126,397
<b>Total</b>	<b>12</b>	<b>188</b>	<b>929</b>	<b>589</b>	<b>468</b>	<b>336</b>	<b>437</b>	<b>153</b>	<b>29</b>	<b>29</b>	<b>3,141</b>
	\$ <b>396,948</b>	\$ <b>8,448,894</b>	\$ <b>50,010,673</b>	\$ <b>35,195,945</b>	\$ <b>26,860,132</b>	\$ <b>21,209,161</b>	\$ <b>28,449,290</b>	\$ <b>10,382,858</b>	\$ <b>1,855,496</b>	\$ <b>1,855,496</b>	\$ <b>182,809,397</b>

**EXHIBIT D**  
**AGE AND SERVICE DISTRIBUTION FOR INACTIVES**  
**AS OF DECEMBER 31, 2005**

(Males and Females Combined)

Attained Age	Years of Service									Total
	0	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35+	
Under 20	1	-	-	-	-	-	-	-	-	1
20-24	-	30	5	-	-	-	-	-	-	35
25-29	29	59	34	-	-	-	-	-	-	122
30-34	48	58	31	8	-	-	-	-	-	145
35-39	50	53	43	12	2	-	-	-	-	160
40-44	181	49	28	11	8	6	3	-	-	286
45-49	241	68	40	8	15	14	11	1	-	398
50-54	146	68	29	12	13	11	6	1	-	286
55-59	66	42	15	11	3	3	1	2	-	143
60-64	34	21	7	4	6	1	1	-	-	74
65-69	21	15	8	2	1	-	-	-	-	47
70 & Over	62	42	10	9	4	3	4	-	-	134
w/o DOB	4	3	-	-	-	-	-	-	-	7
<b>Total</b>	<b>883</b>	<b>508</b>	<b>250</b>	<b>77</b>	<b>52</b>	<b>38</b>	<b>26</b>	<b>4</b>	<b>-</b>	<b>1,838</b>
<b>Average Age</b>										<b>47.91</b>
<b>Average Service</b>										<b>3.47</b>

**EXHIBIT E**  
**STATISTICS ON EMPLOYEE ANNUITIES**  
**CLASSIFIED BY AGE AS OF DECEMBER 31, 2005**

Age	Male		Female	
	No.	Annual Payments	No.	Annual Payments
Under 50	5	\$ 34,574	1	\$ 1,485
50	10	390,639	-	-
51	13	583,202	1	1,200
52	65	2,690,596	-	-
53	65	2,737,580	1	35,559
54	58	2,619,053	1	31,858
55	79	3,058,278	-	-
56	57	2,395,860	3	64,822
57	69	2,663,521	2	59,239
58	79	3,084,232	-	-
59	66	2,611,873	1	22,662
60	64	2,335,409	2	22,960
61	59	2,152,503	-	-
62	64	2,386,010	2	34,612
63	79	2,674,977	4	43,818
64	69	2,558,882	3	98,557
65	79	2,838,956	4	74,040
66	81	2,974,389	4	82,937
67	91	3,132,995	5	89,872
68	64	2,138,484	4	97,786
69	78	2,448,027	8	150,779
70	77	2,412,927	3	52,687
71	73	2,224,188	5	135,167
72	64	1,823,683	7	120,648
73	48	1,366,353	7	141,203
74	82	2,686,710	9	184,533
75	65	1,877,177	9	124,427
76	61	2,011,416	12	240,826
77	66	1,822,593	9	148,548
78	71	2,147,212	14	204,136
79	61	1,737,235	9	136,941
80	52	1,393,187	16	285,479
81	52	1,251,990	17	244,297
82	45	1,115,736	19	239,499
83	42	952,641	23	350,679
84	48	1,137,660	14	184,899
85 & over	145	3,028,746	172	2,251,618
<b>Totals</b>	<b>2,346</b>	<b>\$ 77,499,494</b>	<b>391</b>	<b>\$ 5,957,773</b>

**EXHIBIT F**  
**STATISTICS ON SURVIVING SPOUSE ANNUITIES**  
**CLASSIFIED BY AGE AS OF DECEMBER 31, 2005**

Age	Male		Female	
	No.	Annual Payments	No.	Annual Payments
Under 30	-	\$ -	1	\$ 1,200
30	-	-	1	9,600
31	-	-	-	-
32	-	-	-	-
33	-	-	-	-
34	-	-	-	-
35	-	-	-	-
36	-	-	-	-
37	-	-	1	9,600
38	-	-	-	-
39	1	1,200	1	9,600
40	-	-	1	13,549
41	-	-	2	19,200
42	-	-	2	19,200
43	-	-	2	27,379
44	1	7,581	4	42,922
45	-	-	3	20,400
46	1	9,600	6	81,617
47	-	-	6	78,706
48	-	-	7	71,697
49	-	-	4	38,974
50	-	-	4	38,400
51	-	-	4	45,255
52	-	-	14	181,536
53	1	9,600	7	136,875
54	-	-	9	119,826
55	-	-	10	125,171
56	-	-	6	104,009
57	-	-	12	134,741
58	-	-	12	133,897
59	1	10,070	13	139,685
60	-	-	18	194,018
61	-	-	16	182,207
62	-	-	16	216,763
63	-	-	20	219,308
64	-	-	21	259,156
65	-	-	12	146,103
66	-	-	31	410,553
67	1	9,600	43	524,709
68	1	9,600	25	292,371
69	-	-	25	316,708

**EXHIBIT F**  
**STATISTICS ON SURVIVING SPOUSE ANNUITIES**  
**CLASSIFIED BY AGE AS OF DECEMBER 31, 2005**  
**(CONTINUED)**

<u>Age</u>	<u>Male</u>		<u>Female</u>	
	<u>No.</u>	<u>Annual Payments</u>	<u>No.</u>	<u>Annual Payments</u>
70	1	\$ 9,600	36	\$ 459,461
71	-	-	21	241,099
72	-	-	30	351,863
73	-	-	36	423,056
74	2	19,200	33	372,810
75	-	-	43	468,954
76	-	-	44	476,086
77	2	10,313	60	636,061
78	-	-	42	465,053
79	3	25,224	52	551,884
80	5	48,000	57	607,594
81	3	28,800	57	618,426
82	1	9,600	56	584,535
83	1	9,600	38	393,365
84	1	9,600	49	488,177
85 & over	16	153,600	312	3,029,336
<b>Totals</b>	<b>42</b>	<b>\$ 380,788</b>	<b>1,325</b>	<b>\$ 14,532,695</b>

**EXHIBIT G**  
**PART I – NUMBER OF REFUND PAYMENTS MADE DURING 2005**  
**TO MALE EMPLOYEES**

Age at Date of Valuation	Length of Service at Date of Refund						Total
	Under 1 Year	Between 1 and 2	Between 2 and 3	Between 3 and 4	Between 4 and 5	Between 5 and Over	
Under 20	-	-	-	-	-	-	-
20 to 24	-	2	4	5	1	2	14
25 to 29	-	1	1	2	3	6	13
30 to 34	-	-	2	-	3	7	12
35 to 39	-	2	-	-	2	17	21
40 to 44	-	2	-	1	-	15	18
45 to 49	-	-	2	1	-	12	15
50 to 54	-	-	-	2	-	6	8
55 to 59	1	-	-	-	-	1	2
60 & Over	-	-	-	-	-	-	-
<b>Totals</b>	<b>1</b>	<b>7</b>	<b>9</b>	<b>11</b>	<b>9</b>	<b>66</b>	<b>103</b>

**PART II – NUMBER OF REFUND PAYMENTS MADE DURING 2005**  
**TO FEMALE EMPLOYEES**

Age at Date of Valuation	Length of Service at Date of Refund						Total
	Under 1 Year	Between 1 and 2	Between 2 and 3	Between 3 and 4	Between 4 and 5	Between 5 and Over	
Under 20	-	-	-	-	-	-	-
20 to 24	-	-	-	-	-	1	1
25 to 29	-	-	-	-	-	2	2
30 to 34	1	-	-	-	-	-	1
35 to 39	-	-	-	-	-	2	2
40 to 44	-	1	-	-	-	-	1
45 to 49	-	-	-	-	-	1	1
50 to 54	-	-	-	-	-	-	-
55 to 59	-	-	-	-	-	1	1
60 & Over	-	-	-	-	-	-	-
<b>Totals</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7</b>	<b>9</b>

*Includes those who took a refund from both active and inactive status.*

**EXHIBIT H**  
**HEALTH INSURANCE COVERAGE**  
**CLASSIFIED BY AGE AS OF DECEMBER 31, 2005**

<u>Age</u>	<u>Single Coverage</u>	<u>Family Coverage</u>	<u>Total Coverage</u>	<u>Total Not Covered</u>	<u>Total Annuitants</u>	<u>% Covered Annuitants</u>
<b>Employee Annuitants</b>						
30-39	1	-	1	-	1	100.00%
40-49	3	1	4	1	5	80.00%
50-59	191	306	497	73	570	87.19%
60-69	246	376	622	142	764	81.41%
70-79	284	292	576	176	752	76.60%
80-89	241	125	366	177	543	67.40%
Over 90	52	5	57	45	102	55.88%
<b>Total</b>	<b>1,018</b>	<b>1,105</b>	<b>2,123</b>	<b>614</b>	<b>2,737</b>	<b>77.57%</b>
<b>Spouse Annuitants</b>						
Under 30	-	-	-	1	1	0.00%
30-39	-	2	2	2	4	50.00%
40-49	7	13	20	19	39	51.28%
50-59	35	7	42	51	93	45.16%
60-69	117	3	120	109	229	52.40%
70-79	241	1	242	163	405	59.75%
80-89	253	2	255	225	480	53.13%
Over 90	47	-	47	69	116	40.52%
<b>Total</b>	<b>700</b>	<b>28</b>	<b>728</b>	<b>639</b>	<b>1,367</b>	<b>53.26%</b>

**EXHIBIT I**  
**PART I – MALE PARTICIPANTS RECEIVING DUTY DISABILITY**  
**CLASSIFIED BY AGE AND LENGTH OF SERVICE AS OF DECEMBER 31, 2005**

<b>Service:</b>	<b>Under 1 Year</b>		<b>1 to 4</b>		<b>5 to 9</b>		<b>10 to 14</b>		<b>15 to 19</b>		<b>20 &amp; Over</b>		<b>Total</b>	
<b>Attained</b>	<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>	
<b>Age</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>
Under 30	-	\$ -	-	\$ -	1	\$ 38,409	1	\$ 43,680	-	\$ -	-	\$ -	2	\$ 82,089
30 to 34	-	-	1	41,574	6	247,672	2	83,228	-	-	-	-	9	372,474
35 to 39	-	-	3	125,769	5	211,446	5	218,961	1	44,227	-	-	14	600,403
40 to 44	-	-	2	87,360	4	149,545	7	318,197	3	120,498	2	61,433	18	737,033
45 to 49	-	-	3	126,999	4	130,006	5	227,528	1	43,680	15	633,941	28	1,162,154
50 to 54	-	-	-	-	4	164,178	3	136,299	3	69,029	7	301,524	17	671,030
55 to 59	-	-	1	23,042	2	81,666	2	71,219	1	38,409	2	59,874	8	274,210
60 & Over	-	-	-	-	5	205,332	2	67,547	-	-	2	73,869	9	346,748
<b>Totals</b>	<b>-</b>	<b>\$ -</b>	<b>10</b>	<b>\$ 404,744</b>	<b>31</b>	<b>\$1,228,254</b>	<b>27</b>	<b>\$ 1,166,659</b>	<b>9</b>	<b>\$ 315,843</b>	<b>28</b>	<b>\$1,130,641</b>	<b>105</b>	<b>\$ 4,246,141</b>

**PART II – FEMALE PARTICIPANTS RECEIVING DUTY DISABILITY**  
**CLASSIFIED BY AGE AND LENGTH OF SERVICE AS OF DECEMBER 31, 2005**

<b>Service:</b>	<b>Under 1 Year</b>		<b>1 to 4</b>		<b>5 to 9</b>		<b>10 to 14</b>		<b>15 to 19</b>		<b>20 &amp; Over</b>		<b>Total</b>	
<b>Attained</b>	<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>	
<b>Age</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>
Under 30	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -
30 to 34	-	-	-	-	2	73,307	1	43,680	-	-	-	-	3	116,987
35 to 39	-	-	1	23,042	2	76,818	-	-	1	38,409	-	-	4	138,269
40 to 44	-	-	-	-	1	39,548	1	41,574	-	-	-	-	2	81,122
45 to 49	-	-	1	43,680	-	-	-	-	-	-	-	-	1	43,680
50 to 54	-	-	-	-	1	25,630	1	38,409	-	-	-	-	2	64,039
55 to 59	-	-	-	-	-	-	1	30,342	-	-	1	44,928	2	75,270
60 & Over	-	-	-	-	1	38,409	-	-	-	-	-	-	1	38,409
<b>Totals</b>	<b>-</b>	<b>\$ -</b>	<b>2</b>	<b>\$ 66,722</b>	<b>7</b>	<b>\$ 253,712</b>	<b>4</b>	<b>\$ 154,005</b>	<b>1</b>	<b>\$ 38,409</b>	<b>1</b>	<b>\$ 44,928</b>	<b>15</b>	<b>\$ 557,776</b>

*Benefit payments are annual amount before Workers' Compensation offset.*

**EXHIBIT I (CONT'D)**  
**PART III – MALE PARTICIPANTS RECEIVING ORDINARY DISABILITY**  
**CLASSIFIED BY AGE AND LENGTH OF SERVICE AS OF DECEMBER 31, 2005**

<b>Service:</b>	<b>Under 1 Year</b>		<b>1 to 4</b>		<b>5 to 9</b>		<b>10 to 14</b>		<b>15 to 19</b>		<b>20 &amp; Over</b>		<b>Total</b>	
<b>Attained</b>	<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>	
<b>Age</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>
Under 30	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -	-	\$ -
30 to 34	-	-	-	-	-	-	1	31,357	-	-	-	-	1	31,357
35 to 39	-	-	-	-	-	-	1	29,120	-	-	-	-	1	29,120
40 to 44	-	-	-	-	1	29,120	1	29,120	1	29,120	2	47,848	5	135,208
45 to 49	-	-	1	15,363	-	-	1	29,120	-	-	14	383,408	16	427,891
50 to 54	-	-	1	25,605	3	90,951	1	33,157	3	76,815	7	203,787	15	430,315
55 to 59	-	-	-	-	-	-	-	-	1	26,937	1	24,940	2	51,877
60 & Over	-	-	-	-	2	51,210	-	-	2	54,725	1	25,605	5	131,540
<b>Totals</b>	<b>-</b>	<b>\$ -</b>	<b>2</b>	<b>\$ 40,968</b>	<b>6</b>	<b>\$ 171,281</b>	<b>5</b>	<b>\$ 151,874</b>	<b>7</b>	<b>\$ 187,597</b>	<b>25</b>	<b>\$ 685,588</b>	<b>45</b>	<b>\$ 1,237,308</b>

**PART IV – FEMALE PARTICIPANTS RECEIVING ORDINARY DISABILITY**  
**CLASSIFIED BY AGE AND LENGTH OF SERVICE AS OF DECEMBER 31, 2005**

<b>Service:</b>	<b>Under 1 Year</b>		<b>1 to 4</b>		<b>5 to 9</b>		<b>10 to 14</b>		<b>15 to 19</b>		<b>20 &amp; Over</b>		<b>Total</b>	
<b>Attained</b>	<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>		<b>Annual</b>	
<b>Age</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>	<b>No.</b>	<b>Payments</b>
Under 30	-	\$ -	-	\$ -	2	\$ 51,210	-	\$ -	-	\$ -	-	\$ -	2	\$ 51,210
30 to 34	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35 to 39	-	-	-	-	-	-	-	-	1	25,605	-	-	1	25,605
40 to 44	-	-	-	-	-	-	1	29,120	1	25,605	-	-	2	54,725
45 to 49	-	-	-	-	1	17,903	-	-	1	23,265	-	-	2	41,168
50 to 54	-	-	-	-	1	27,718	-	-	1	28,477	1	25,605	3	81,800
55 to 59	-	-	-	-	-	-	1	29,120	-	-	-	-	1	29,120
60 & Over	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Totals</b>	<b>-</b>	<b>\$ -</b>	<b>-</b>	<b>\$ -</b>	<b>4</b>	<b>\$ 96,831</b>	<b>2</b>	<b>\$ 58,240</b>	<b>4</b>	<b>\$ 102,952</b>	<b>1</b>	<b>\$ 25,605</b>	<b>11</b>	<b>\$ 283,628</b>

**EXHIBIT J**  
**HISTORY OF AVERAGE ANNUAL SALARIES**

<b>Year End</b>	<b>Members in Service</b>	<b>Percent Increase</b>	<b>Annual Salaries</b>	<b>Percent Increase</b>	<b>Average Salary</b>	<b>Percent Increase</b>	<b>Actuarial Salary Assumption</b>	<b>CPI Chicago</b>
1996	3,785	(1.23)%	\$162,276,840	6.07 %	\$42,874	7.38 %	6.00%	2.70 %
1997	3,876	2.40 %	171,175,944	5.48 %	44,163	3.01 %	5.00%	2.70 %
1998	3,753	(3.17)%	170,627,112	(0.32)%	45,464	2.95 %	5.00%	2.01 %
1999	3,855	2.72 %	175,914,112	3.10 %	45,633	0.37 %	5.00%	2.57 %
2000	4,070	5.58 %	185,051,048	5.19 %	45,467	(0.36)%	5.00%	4.03 %
2001	4,074	0.10 %	211,203,088	14.13 %	51,842	14.02 %	5.00%	0.82 %
2002	3,828	(6.04)%	207,403,973	(1.80)%	54,181	4.51 %	5.00%	2.50 %
2003	3,719	(2.85)%	205,691,917	(0.83)%	55,308	2.08 %	5.00%	1.70 %
2004	3,135	(15.70)%	171,476,937	(16.63)%	54,698	(1.10)%	4.50%	2.21 %
2005	3,141	0.19 %	182,809,397	6.61 %	58,201	6.41 %	4.50%	3.59 %
Average Increase (Decrease) for the Last Five Years								
		(4.86)%			0.30 %	5.18%	4.80%	2.16%

**EXHIBIT K**  
**NEW ANNUITIES GRANTED DURING 2005**

	Male Annuitants	Female Annuitants	Spouse of Deceased Employees	Spouse of Deceased Annuitants <sup>2</sup>
Number Retired/Deceased <sup>1</sup>	51	3	11	69
Average Age Attained	56.6	63.8	53.9	73.1
Average Length of Service	30.3	32.3	18.2	N/A
Total Annual Final Salary	\$ 3,102,210	\$ 95,708	\$ 574,370	N/A
Average Annual Final Salary	\$ 60,828	\$ 31,903	\$ 52,215	N/A
Total Annual Annuity	\$ 2,073,032	\$ 38,622	\$ 145,162	\$ 911,957
Average Annual Annuity	\$ 40,648	\$ 12,874	\$ 13,197	\$ 13,217
Total Actuarial Liability	\$ 28,251,758	\$ 461,446	\$ 1,454,534	\$ 6,898,926
Average Actuarial Liability	\$ 553,956	\$ 153,815	\$ 132,230	\$ 99,984
Total Contributed by EE <sup>3</sup>	\$ 3,840,240	\$ 83,554	\$ 550,041	N/A
Average Investment	\$ 75,299	\$ 27,851	\$ 50,004	N/A
Liability/Contributions	7.36	5.52	2.64	N/A
Liability/Final Pay	9.11	4.82	2.53	N/A
Expected Future Lifetime (yrs.)	23.24	20.97	29.33	14.53
Payback Period (yrs.)	1.8525	2.1634	3.7890	N/A
Replacement Ratio	66.82 %	40.35 %	25.27 %	N/A

<sup>1</sup> Does not include one employee annuitant and three new widows who were no longer on annuity at the end of the year.

<sup>2</sup> Does not include one reversionary annuitant who is not also a surviving spouse.

<sup>3</sup> Includes "Pickup"

**EXHIBIT L**  
**NEW RECIPROCAL ANNUITIES GRANTED DURING 2005**

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	<b>Reciprocal</b>	
	<b>Male Annuitants</b>	<b>Female Annuitants</b>
Number Retired	8	-
Average Age Attained	55.8	N/A
Number with Spouses	4	N/A
Average Spouse Age	57.7	N/A
Percentage with Spouse	50.00%	N/A
Total Annual Annuity	\$ 198,814	N/A
Average Annual Annuity	\$ 24,852	N/A
Total Liability (8% 1994 GAM)	\$ 2,692,132	N/A
Average Liability	\$ 336,517	N/A

**EXHIBIT M**  
**RETIRES AND BENEFICIARIES BY TYPE OF BENEFIT**

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Years	Annuitants			Disability		Compensation Annuitants <sup>1</sup>	Reciprocal	
	Employee	Spouse	Child	Ordinary	Duty		Employee	Spouse
1996	2,378	1,388	74	38	109	-	159	43
1997	2,296	1,374	73	54	91	-	161	48
1998	2,628	1,365	83	35	77	-	180	49
1999	2,507	1,345	76	38	82	-	180	52
2000	2,384	1,350	67	57	100	-	185	56
2001	2,299	1,345	59	46	108	-	182	60
2002	2,273	1,359	65	59	144	-	188	63
2003	2,270	1,334	67	74	106	-	202	61
2004	2,589	1,314	62	63	92	1	247	65
2005	2,489	1,301	52	56	120	1	248	66

<sup>1</sup> Compensation Annuitant is also included as a Spouse Annuitant.

**EXHIBIT N**  
**AVERAGE EMPLOYEE RETIREMENT BENEFITS PAYABLE**

<b>Years Ended</b>	<b>Average Annual Benefit</b>	<b>Average Current Age of Retirees</b>	<b>Average Annual Benefit at Retirement Current Year</b>	<b>Average Age at Retirement Current Year</b>	<b>Average Years Service at Retirement Current Year</b>
1996	\$15,476	73.3	\$21,109	61.4	25.90
1997	16,634	72.8	18,339	62.6	24.10
1998 <sup>1</sup>	20,530	71.2	30,889	60.6	32.00
1999	21,157	72.8	18,366	61.9	18.30
2000	21,872	73.3	20,938	61.1	19.96
2001	22,750	73.6	24,126	61.2	20.80
2002	24,082	73.3	31,865	60.6	27.56
2003	25,576	73.0	34,201	58.6	25.21
2004 <sup>1</sup>	29,177	70.6	40,825	57.3	30.87
2005	30,492	70.8	39,105	57.0	30.44

<sup>1</sup>Early retirement incentive offered to employees.

**EXHIBIT O**  
**SURVIVING SPOUSES RECEIVING BENEFITS AS OF DECEMBER 31, 2005**  
**BY AGE AND YEARS IN PAY STATUS**

<b>Attained Age</b>	<b>Under 1</b>	<b>1 to 4</b>	<b>5 to 9</b>	<b>10 to 14</b>	<b>15 to 19</b>	<b>20 &amp; Over</b>	<b>Total</b>
Under 30	-	-	1	-	-	-	1
30 to 34	-	-	1	-	-	-	1
35 to 39	-	2	-	1	-	-	3
40 to 44	3	5	2	2	-	-	12
45 to 49	4	9	8	3	1	2	27
50 to 54	4	18	11	2	2	2	39
55 to 59	6	16	18	7	2	5	54
60 & Over	57	207	242	231	172	321	1,230
<b>Totals</b>	<b>74</b>	<b>257</b>	<b>283</b>	<b>246</b>	<b>177</b>	<b>330</b>	<b>1,367</b>

**EXHIBIT P**  
**HISTORY OF ANNUITIES 1996 – 2005**

<b>Employee Annuitants (Male and Female)</b>			
<b>Year End</b>	<b>Number of Annuitants</b>	<b>Total Annuities</b>	<b>Average Annuities</b>
1996	2,537	\$ 39,261,371	\$ 15,476
1997	2,457	40,869,959	16,634
1998	2,808	57,648,658	20,530
1999	2,687	56,848,916	21,157
2000	2,569	56,189,051	21,872
2001	2,481	56,443,854	22,750
2002	2,461	59,265,907	24,082
2003	2,472	63,224,248	25,576
2004	2,836	82,746,720	29,177
2005	2,737	83,457,267	30,492
<b>Surviving Spouse Annuities</b>			
<b>Year End</b>	<b>Number of Annuitants</b>	<b>Total Annuities</b>	<b>Average Annuities</b>
1996	1,417	\$ 6,777,664	\$ 4,783
1997	1,413	9,439,234	6,680
1998	1,414	13,878,195	9,815
1999	1,397	13,817,326	9,891
2000	1,406	13,996,111	9,955
2001	1,405	14,116,356	10,047
2002	1,422	14,613,052	10,276
2003	1,395	14,573,819	10,447
2004	1,379	14,755,032	10,700
2005	1,367	14,913,483	10,910

**EXHIBIT Q**  
**SCHEDULE OF RETIRED MEMBERS**  
**BY TYPE OF BENEFIT AS OF DECEMBER 31, 2005**

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Amount of Monthly Benefit	Number of Employee Annuitants	Number of Spouse Annuitants	Number of Child Annuitants	Total Number of Annuitants
\$ 1 - 250	46	19	52	117
251 - 500	31	4	-	35
501 - 750	19	11	-	30
751 - 1000	66	1,100	-	1,166
1,001 - 1250	427	89	-	516
1,251 - 1500	125	67	-	192
1,501 - 1750	118	36	-	154
1,751 - 2000	149	18	-	167
2,001 - 2250	157	10	-	167
2,251 - 2500	147	5	-	152
2,501 - 2750	178	2	-	180
2,751 - 3000	217	2	-	219
3,001 - 3250	222	-	-	222
3,251 - 3500	245	-	-	245
3,501 - 3750	175	1	-	176
3,751 - 4000	134	-	-	134
4,001 - 4250	66	2	-	68
4,251 - 4500	65	1	-	66
4,501 - 4750	50	-	-	50
4,751 - 5000	30	-	-	30
Over \$5,000	70	-	-	70
<b>Totals</b>	<b>2,737</b>	<b>1,367</b>	<b>52</b>	<b>4,156</b>

**Actuarial Methods and Assumptions  
as of December 31, 2005**



# ACTUARIAL METHODS AND ASSUMPTIONS AS OF DECEMBER 31, 2005

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## ACTUARIAL COST METHOD

An Actuarial Cost Method is a set of techniques used by the actuary to develop contribution levels under a retirement plan. The principal Actuarial Cost Method used in this valuation is the Entry Age Normal Actuarial Cost Method. Under this Method, a Normal Cost is developed by spreading the actuarial value of benefits expected to be received by each active participant over the total working lifetime of that participant, from hire to termination, as a level percentage of pay.

To the extent that current assets and future Normal Costs do not support participants' expected future benefits, an Unfunded Actuarial Accrued Liability ("UAAL") develops. The UAAL is generally amortized over a defined period of time (e.g., 40 years). The total contribution developed under this method is the sum of the Normal Cost and the payment toward the UAAL.

## CURRENT ACTUARIAL ASSUMPTIONS

### *Demographic Assumptions*

Mortality: 1994 Group Annuity Mortality sex distinct Tables set forward two years.

Disability: Disability cost valued as a term cost of 1.50 percent of payroll.

**ACTUARIAL METHODS AND ASSUMPTIONS  
AS OF DECEMBER 31, 2005 (CONT'D)**

**RATE OF RETIREMENT:**

Attained Age	<u>Age-and-Service-Based Rates of Retirement</u>														
	<u>Years of Service</u>														
	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
55	-	-	-	-	-	-	-	-	-	-	4%	4%	4%	4%	4%
56	-	-	-	-	-	-	-	-	-	-	4	3	3	3	3
57	-	-	-	-	-	-	-	-	-	-	4	3	3	3	3
58	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3
59	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3
60	20%	13%	14%	14%	14%	14%	13%	13%	13%	12%	21	20	20	12	13
61	20	4	5	6	7	8	9	9	10	11	11	12	12	13	13
62	20	4	5	6	7	8	9	10	11	11	12	12	13	13	14
63	20	4	6	7	8	9	10	10	11	12	12	13	13	14	15
64	20	4	6	7	8	9	10	11	11	12	13	13	14	15	15
65	20	29	31	32	33	34	35	36	37	38	38	39	39	40	41
66	20	4	6	7	9	10	11	11	12	13	14	14	15	16	16
67	20	4	6	8	9	10	11	12	13	13	14	15	15	16	17
68	20	5	6	8	9	10	11	12	13	14	14	15	16	17	17
69	20	5	7	8	9	11	12	12	13	14	15	16	16	17	18
70	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

**ACTUARIAL METHODS AND ASSUMPTIONS  
AS OF DECEMBER 31, 2005 (CONT'D)**

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**RATE OF RETIREMENT (CONT'D):**

		<u>Age-and-Service-Based Rates of Retirement</u>													
		<u>Years of Service</u>													
Attained Age		25	26	27	28	29	30	31	32	33	34	35	36	37	38
50		-	-	-	-	-	25%	25%	25%	25%	30%	29%	29%	29%	100%
51		-	-	-	-	-	25	15	15	15	30	30	30	29	100
52		-	-	-	-	-	27	17	12	22	30	30	30	30	100
53		-	-	-	-	-	28	19	14	24	30	30	30	30	100
54		-	-	-	-	-	30	20	15	25	31	30	30	30	100
55		24%	25%	25%	25%	26%	31	21	16	27	31	31	31	30	100
56		10	11	11	11	12	12	12	12	28	31	31	31	31	100
57		11	11	12	12	12	13	13	13	29	31	31	31	31	100
58		12	12	13	13	13	14	14	14	30	31	31	31	31	100
59		13	13	13	14	14	14	15	15	31	32	32	32	31	100
60		13	14	14	14	15	15	16	16	31	32	32	32	32	100
61		14	14	15	15	16	16	16	17	32	32	32	32	32	100
62		14	15	15	16	16	17	17	18	33	32	32	32	32	100
63		15	16	16	17	17	17	18	18	34	32	32	32	32	100
64		16	16	17	17	18	18	19	19	34	32	32	32	32	100
65		41	42	42	43	43	44	44	45	45	58	58	58	58	100
66		17	17	18	18	19	19	20	20	36	33	33	33	33	100
67		17	18	18	19	19	20	20	21	36	33	33	33	33	100
68		18	18	19	19	20	20	21	21	37	33	33	33	33	100
69		18	19	19	20	21	21	22	22	38	33	33	33	33	100
70		100	100	100	100	100	100	100	100	100	100	100	100	100	100

**ACTUARIAL METHODS AND ASSUMPTIONS  
AS OF DECEMBER 31, 2005 (CONT'D)**

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**RATE OF TERMINATION:**

**Service-Based Rates of Termination**

<u>Service</u>	<u>Rate</u>
0	12.00%
1	10.00
2	8.00
3	7.00
4	6.00
5	5.00
6	5.00
7	5.00
8	5.00
9	5.00
10	5.00
11	5.00
12	5.00
13	5.00
14	5.00
15	5.00
16	5.00
17	5.00
18	5.00
19	3.00
20	3.00
21	3.00
22	3.00
23	3.00
24	3.00
25	3.00
26	3.00
27	3.00
28	3.00
29	3.00
30	3.00
31 & Over	0.00

## ACTUARIAL METHODS AND ASSUMPTIONS AS OF DECEMBER 31, 2005 (CONT'D)

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### *Economic Assumptions*

Investment Return Rate and Discount Rate: 8.00 percent per annum (net of investment expense) for pensions and 4.50 percent per annum for OPEB. This assumption contains a 3.00 percent inflation assumption and a 5.00 percent real rate of return assumption for pension. Pension investment return and discount rate adopted 1999 and OPEB discount rate adopted 2005.

Future Salary Increases: The assumed base rate of individual salary increase is 4.50 percent per year, plus a service based increase in the first five years.

<b>Service</b>	<b>Additional Increase</b>	<b>Total Increase</b>
0	4.50 %	9.00 %
1	3.50	8.00
2	2.50	7.00
3	1.50	6.00
4	0.50	5.00
5 & Over	0.00	4.50

Asset Value: The Actuarial Value of Assets is smoothed by using a five-year phase-in of each year's unexpected investment gains and losses.

### *Other Assumptions*

Marital Status: It is assumed that 85 percent of active members have an eligible spouse. The male spouse is assumed four years older than the female spouse. No assumption is made about other dependents.

Group Health Insurance: It is assumed for valuation purposes that the health insurance supplement in effect as of June 30, 2013, will continue for life for all employee annuitants (and their future surviving spouses). The amount of the Fund paid health insurance from July 1, 2003, until June 30, 2008, is \$85.00 per month for each annuitant (employees and surviving spouses) not qualified to receive Medicare benefits, and \$55.00 if qualified. The amount of the Fund paid health insurance from July 1, 2008, until June 30, 2013, is \$95.00 per month for each annuitant (employees and surviving spouses) not qualified to receive Medicare benefits, and \$65.00 if qualified. It is assumed that all annuitants age 65 and older will be eligible for Medicare and all annuitants less than age 65 will not be eligible for Medicare. Future surviving spouses of retirees are assumed to be eligible for Medicare, as well as surviving spouse annuitants that are currently receiving a health insurance supplement.

## **ACTUARIAL METHODS AND ASSUMPTIONS AS OF DECEMBER 31, 2005 (CONT'D)**

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Required Ultimate  
Multiple:

Is based on the actuarial requirements (adjusted for tax levy loss) less expected employee contributions divided by the actual employee contributions made in the second prior year.

Loss in Tax Levy:

4.00 percent overall loss on tax levy is assumed.

### **THREE METHODS OF FINANCING UNFUNDED LIABILITY**

Normal Cost

Plus Interest Method:

This is the method of valuation that was used in reports prior to 1997. It is intended to continue the current provisions of the Article governing the Plan in full force and effect on a permanent basis and in the amount required each year to keep the unfunded liability from increasing if all assumptions are realized.

The normal cost plus interest only method of funding is that recommended by the former Illinois Public Employees' Pension Laws Commission. It was also the minimum required for private pension plans for IRS qualification before ERISA.

Normal Cost Plus  
40 Year Amortization  
Method:

GASB #25 now requires an amortization of the unfunded liability, as does ERISA's minimum funding standards for private pension plans which require the initial unfunded liability existing on January 1, 1976, be amortized over a 40 year period. We have calculated the cost of amortizing the existing unfunded liability. The amortization period is decreasing to 30 years beginning with the fiscal year ending December 31, 2007. (GASB #43 requires 30-year amortization of the OPEB unfunded liability, beginning with the fiscal year ending December 31, 2006.)

Both of these cost methods, the normal cost plus interest method and the normal cost plus 40 year amortization method (30 years for OPEB benefits), express the past service costs as a level annual dollar amount. It assumes that there will be a stable membership with a growing payroll. Consequently, as the total payroll increases in the future, the level annual amount becomes a decreasing percent of the total payroll.

Under both methods, level dollar amounts represent a greater percent of payroll initially and a decreasing percent of payroll as future payrolls increase.

## ACTUARIAL METHODS AND ASSUMPTIONS AS OF DECEMBER 31, 2005 (CONT'D)

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### THREE METHODS OF FINANCING UNFUNDED LIABILITY (CONT'D)

Level Annual Percent  
of Payroll Method:

An alternative method for funding that is receiving increased attention for public employee pension plans is a method that sets the funding standard cost objective as a level annual percent of payroll rather than as a level annual amount. This method will result in increasingly greater dollar amounts each year as payrolls increase.

This constant percent of payroll method is not an acceptable method under ERISA, but is permitted under GASB #25 and GASB #43. It may be more acceptable in the future in view of the presumably permanent nature of public retirement systems with a constant flow of new entrants and the desire to place a relatively constant tax burden (as percentage of salary) on future generations of taxpayers. Please note that if this amount is recomputed each year with the same "open" amortization period, the unfunded liability will never be amortized.

For the Retirement Board's guidance, we have estimated the financial effects of different amortization methods. The costs under these funding methods are contingent upon all actuarial assumptions being met and continued active membership at the same level. These three methods meet the requirements set forth in Illinois Compiled Statutes, Chapter 40, and Section 5/1A-102.

<b>Actuarial Assets with Various Amortization Methods</b>	<b>Required 2005 Tax Levy</b>	<b>Required Multiple</b>	<b>Unfunded Liability Will</b>	<b>Portion Applicable to Unfunded Liability</b>
1. Normal Cost Plus Interest Only	N/A	1.18	Remain Constant	\$6,616,184
2. Normal Cost Plus 40-Year Level Dollar Amortization	N/A	1.23	Decrease	\$7,500,549
3. Normal Cost Plus 40-Year Level % of Payroll	N/A	0.99	Increase	\$4,268,747
4. Present Law	\$0	1.00		

In determining funding policy, it is essential to provide a margin of safety for unfavorable operating experience such as salaries over anticipated salaries, decreasing age of retirement, increasing longevity, and declining fund membership.

**Summary of Provisions of the Fund  
as of December 31, 2005**

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**SUMMARY OF  
PRINCIPAL ELIGIBILITY AND BENEFIT PROVISIONS  
AS OF DECEMBER 31, 2005**

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**PLAN DESCRIPTION**

Any employee of the City of Chicago or the Board of Education employed under the provisions of the municipal personnel ordinance as labor service or any person employed by a retirement board of any annuity and benefit fund in the city is covered by the Laborers' and Retirement Board Employees' Annuity and Benefit Fund of Chicago (Laborers' Plan) which is a defined benefit single employer pension plan with a money purchase minimum. Although this is a single employer plan, the defined benefits, as well as the employer and employee contribution levels, are mandated in Illinois Compiled Statutes (Chapter 40, Pensions, Article 5/11) and may be amended only by the Illinois legislature. The City of Chicago accounts for the plan as a pension trust fund. The City of Chicago payroll for employees covered by the Laborers' Plan for the year ended December 31, 2005, was \$182,809,397. At December 31, 2005, the Laborers' Plan membership consisted of:

Retiree, surviving spouse, and child annuitants currently receiving benefits	4,156
Terminated inactive employees entitled to benefits or a refund of contributions but not yet receiving them	1,838
Current employees (includes 176 disabilities)	3,141

The Laborers' Fund provides retirement benefits as well as death and disability benefits. Employees age 55 or more with at least 10 years of service are entitled to receive a money purchase annuity with partial city contributions if under age 60 with less than 20 years of service. Employees age 55 or more with at least 20 years of service or age 50 or more with at least 30 years of service are entitled to receive a minimum formula annuity of 2.4 percent per year of service times the final average salary (highest average annual salary for any 4 consecutive years within the last 10 years of service immediately preceding the date of retirement). If the employee retires prior to age 60, the annuity shall be reduced by  $\frac{1}{4}$  of 1.00 percent for each month the employee is under age 60, unless the employee is 50 or over with at least 30 years of service or 55 or over with at least 25 years of service. The original annuity is limited to 80 percent of the highest average annual salary. Beginning January 1, 1999, there is a 10 year deferred vested benefit payable at age 60. Employees who retire at age 60 or over with at least 10 years of service are entitled to a minimum of \$850 per month.

The monthly annuity is increased by 3.00 percent in January of the year of the first payment date following the later of age 60 or the first anniversary of retirement, and by 3.00 percent annually thereafter; except that for an employee retiring prior to age 60 the first increase will occur no later than January of the year of the first payment date following the later of (1) the third anniversary of retirement or (2) the attainment of age 53.

**SUMMARY OF  
PRINCIPAL ELIGIBILITY AND BENEFIT PROVISIONS  
AS OF DECEMBER 31, 2005 (CONT'D)**

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**PLAN DESCRIPTION (CONT'D)**

Covered employees are required to contribute 8.50 percent of their salary to the Laborers' Plan. If an employee leaves covered employment without qualifying for an annuity, accumulated contributions are refunded with interest (3.00 percent or 4.00 percent depending on when an employee became a participant).

The City of Chicago is required by state statutes to contribute the remaining amounts necessary to finance the requirements of the Fund. It is required to levy a tax at a rate not more than an amount equal to the total amount of contributions by the employees to the Fund made in the calendar year two years prior to the year for which the annual applicable tax is levied, multiplied by 1.00 annually. The total amount of contributions by the employees for purposes of establishing the tax levy amount shall not include contributions for service credit purchases under the Early Retirement Incentive provided for in Section 11-133.3 of the Illinois Pension Code.

**SUMMARY OF  
PRINCIPAL ELIGIBILITY AND BENEFIT PROVISIONS  
AS OF DECEMBER 31, 2005 (CONT'D)**

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**DEFINITIONS**

These terms are defined in Article 1A of the Illinois Pension Code *Regulation of Public Pensions*.

“Accrued liability” means the actuarial present value of future benefit payments and appropriate administrative expenses under a plan, reduced by the actuarial present value of all future normal costs (including any participant contributions) with respect to the participant included in the actuarial valuation of the plan.

“Actuarial present value” means the single amount, as of a given valuation date, that results from applying actuarial assumptions to an amount or series of amounts payable or receivable at various times.

“Actuarial value of assets” means the value assigned by the actuary to the assets of a plan for the purposes of an actuarial valuation.

“Beneficiary” means a person eligible for or receiving benefits from the pension fund.

“Credited projected benefit” means that portion of a participant’s projected benefit based on an allocation taking into account service to date determined in accordance with the terms of the plan based on anticipated future compensation.

“Current value” means the fair market value when available; otherwise, the fair value as determined in good faith by a trustee, assuming an orderly liquidation at the time of the determination.

“Normal cost” means that part of the actuarial present value of all future benefit payments and appropriate administrative expenses assigned to the current year under the actuarial valuation method used by the plan (excluding any amortization of the unfunded accrued liability).

“Participant” means a participating member or deferred pensioner or annuitant of the pension fund, or a beneficiary thereof.

“Pension Fund” or “Fund” means the Laborers’ and Retirement Board Employees’ Annuity and Benefit Fund of Chicago established under Article 11 of the Illinois Pension Code.

“Plan year” means the calendar year for which the records of a given plan are kept.

“Projected Benefits” means benefit amounts which are expected to be paid at various future times under a particular set of actuarial assumptions, taking into account, as applicable, the effect of advancement in age and past and anticipated future compensation and service credits.

**SUMMARY OF  
PRINCIPAL ELIGIBILITY AND BENEFIT PROVISIONS  
AS OF DECEMBER 31, 2005 (CONT'D)**

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**DEFINITIONS (CONT'D)**

“Supplemental annual cost” means that portion of the unfunded accrued liability assigned to the current year under one of the following bases:

1. interest only on the unfunded accrued liability;
2. the level annual amount required to amortize the unfunded accrued liability over a period not exceeding 40 years;
3. the amount required for the current year to amortize the unfunded accrued liability over a period not exceeding 40 years as a level percentage of payroll.

“Total annual cost” means the sum of the normal cost plus the supplemental annual cost.

“Unfunded accrued liability” means the excess of the accrued liability over the actuarial value of the assets of a plan.

“Vested pension benefit” means an interest obtained by a participant or beneficiary in that part of an immediate or deferred benefit under a plan which arises from the participant’s service and is not conditional upon the participant’s continued service for an employer any of whose employees are covered under the plan, and which has been forfeited under the terms of the plan.

**PARTICIPANTS**

Any person employed by the City or the Board of Education in a position classified as labor service of the employer, any person employed by the Board, and any person employed by the Retirement Board of any other Annuity and Benefit Fund which is in operation for the employer.

**SERVICE**

For all purposes except minimum annuity and ordinary disability credit, service in four months in any calendar year constitutes one year of service credit.

For minimum annuity, one half-year credit is given for one complete month of service and a full year credit is given for one complete month of service plus service in at least 5 other months. For Ordinary Disability credit, the exact number of days, months and years is used.

**RETIREMENT ANNUITY**

***Money Purchase Formula***

Maximum is 60 percent of highest salary. Applies in cases where an employee is age 55 or older and has a minimum of 10 years of service. If employee is age 55 to 60 with service less than 20 years, the annuity is based on all employee deductions plus 1/10th of the City contributions for each year over 10. In the case of withdrawal before age 55 and application after age 55, the annuity is based on employee deductions plus 1/10th of the City contributions for each year over 10, with interest to date of application or age 55, whichever is later. The age factor for age 55 is used.

**SUMMARY OF  
PRINCIPAL ELIGIBILITY AND BENEFIT PROVISIONS  
AS OF DECEMBER 31, 2005 (CONT'D)**

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The annuity is based on all employee deductions and City contributions in cases where the employee is (a) age 55 to 60 with 20 or more years of service; (b) age 60 or older; or (c) resigning at the time of disability credit expiration.

***Minimum Annuity Formula***

Maximum is 80 percent of final average salary.

- An employee age 60 or older with at least 10 years of service, or an employee age 55 or older, with at least 20 years of service, or an employee age 50 or older with at least 30 years of service, is entitled to an annuity equal to 2.40 percent, for each year of service of the final average salary during the four highest consecutive years within the last 10 years of service prior to retirement. If the employee withdraws from service before age 60 with less than 20 years of service, he can begin to receive an annuity no earlier than age 60. For an employee who is eligible to begin receiving an annuity before age 60, the annuity is discounted 0.25 percent for each month the employee is younger than age 60, unless he has at least 30 years of service and is age 50 or over, or has at least 25 years of service and is age 55 or over.
- The employee will receive a minimum annuity of \$850 per month if the employee withdraws from service at age 60 or older with at least 10 years of service.

***Reversionary Annuity***

An employee may elect to reduce his or her annuity by an amount less than or equal to \$400 to provide a reversionary annuity for a spouse, parent, child, brother, or sister, to begin upon the employee's death. The election must be made before retirement and have been in effect one year prior to death. The one-year requirement is waived if the beneficiary is the employee's spouse. The death of the employee before retirement voids this election. The reversionary annuity cannot exceed 100 percent of the employee's reduced annuity. If the employee resigns after June 30, 1983, the 3.00 percent automatic annual increase in the annuity will be computed on the original, not the reduced, annuity; if the beneficiary dies before the employee annuitant, the full annuity is restored for annuities granted after June 30, 1983. The amount of the monthly reversionary annuity is determined by multiplying the amount of the monthly reduction in the employee's annuity by a factor based on the age of the employee and the difference between the ages of the employee and the reversionary annuitant at the starting date of the employee's annuity.

***Reciprocal Annuity***

Under reciprocal retirement, an employee can receive an annuity based on combined service credits in two or more governmental units in Illinois to whose pension funds he or she has contributed.

**SUMMARY OF  
PRINCIPAL ELIGIBILITY AND BENEFIT PROVISIONS  
AS OF DECEMBER 31, 2005 (CONT'D)**

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***Automatic Increase in Annuity***

An employee annuitant is entitled to receive an increase of 3.00 percent of the currently payable annuity. This increase begins in January of the year of the first payment date following the earlier of:

- 1.) the later of the third anniversary of retirement and age 53, and
- 2.) the later of the first anniversary of retirement and age 60.

Increases apply only to life annuities.

**SPOUSE ANNUITY**

The surviving spouse annuity is the greater of the annuity under the money purchase formula or the minimum annuity formula. Surviving spouses who remarry on or after September 4, 2000, will not have their annuities terminated.

***Money Purchase Formula***

When an employee retires, the spouse's annuity is fixed, based on employee deductions and City contributions made for spouses' annuity purposes and a joint life age factor. (If the employee is a female, these are deductions accumulated since October 1974.)

If the employee dies in service, the spouse's annuity is based on all sums accumulated to their credit.

For 3.00 percent annuities fixed on or after August 1, 1983, the "Combined Annuity Mortality Table" shall continue to be used; however, surviving spouse's single life annuities and reversionary annuities shall be computed using the best factor (the factor producing the highest annuity), without regard to gender.

***Spouses' Minimum Annuity Formula***

If the employee retires or dies in service and is at least age 55 with 20 or more years of service, or is at least age 50 with 30 or more years of service, the spouse's annuity is equal to half the amount of annuity the employee was entitled to receive at the time of retirement or death in service. This annuity must then be discounted 0.25 percent for each month the spouse is under age 55 (or age 50 if the employee had at least 25 years of service) at the time the employee retires or dies in service.

If the employee dies while receiving a retirement annuity, the spouse is eligible for an annuity of one-half of the employee's annuity at death. This annuity is discounted for his/her age under 55 at the time of the employee's death, unless the employee had at least 25 years of service and withdrew from service on or after June 27, 1997, in which case the spouse annuity would be discounted for spouse age under 50 at the time of the employee's death.

**SUMMARY OF  
PRINCIPAL ELIGIBILITY AND BENEFIT PROVISIONS  
AS OF DECEMBER 31, 2005 (CONT'D)**

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If the employee dies in service on or after January 1, 2002, with at least 10 years of service, the spouse is entitled to an annuity of half of the minimum formula annuity earned and accrued to the credit of the employee at the date of death. For the purposes of this benefit, the minimum formula annuity earned and accrued to the credit of the employee is equal to 2.40 percent for each year of service of the highest average annual salary for any four consecutive years within the last 10 years of service immediately preceding the date of death, up to a maximum of 80 percent of the highest average annual salary. This annuity is not reduced due to the age of the employee or spouse. The spouse is eligible for this annuity only if the marriage was in effect for 10 full years or more.

The spouse will receive a minimum annuity of \$800 per month if the employee retires with at least 10 years of service or dies in service with at least five years of service.

***Child's Annuity***

A child's annuity is provided for unmarried children of a deceased employee who are under the age of 18, if the child was conceived or born before the withdrawal from service, or legally adopted at least one year before the child's annuity becomes payable. The annuity is \$220 per month while the spouse of the deceased employee is alive and \$250 per month if the spouse is deceased.

***Family Maximum***

Non-Duty Death: 60 percent of final monthly salary.

Duty Death: 70 percent of final monthly salary.

**DISABILITIES**

***Duty Disability Benefits***

Any employee who becomes disabled as the result of an injury incurred in the performance of any act of duty shall have a right to receive a duty disability benefit in the amount of 75 percent of salary at date of injury, plus \$10 a month for each unmarried child (the issue of the employee) less than age 18. Child's duty disability benefit is limited to 15 percent of the employee's salary as of the date of injury. Duty disability benefits begin one day after the later of the last day worked or the last day paid.

If the disability has resulted from any mental disorder, physical defect or disease which existed at the time such injury was sustained, the duty disability benefit shall be 50 percent of salary at date of injury. Disablement because of heart attacks, strokes, or any disablement due to heart disease shall not be considered the result of an accident suffered in the performance of duty. However, the employee will receive service credit and the City will contribute salary deductions for annuity purposes if the employee is receiving Workers' Compensation.

**SUMMARY OF  
PRINCIPAL ELIGIBILITY AND BENEFIT PROVISIONS  
AS OF DECEMBER 31, 2005 (CONT'D)**

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A duty disability benefit is payable to age 65 if the disability benefits begin before age 60. For an employee who begins disability on or after age 60, disability will continue for five years. A duty disability benefit which continues for more than five years and which starts before the employee's age 60, will be increased by 10 percent on January 1<sup>st</sup> of the sixth year. The City contributes salary deductions for annuity purposes for the duty disability benefit. Such amounts contributed by the City after December 31, 1983, while the employee is receiving duty disability benefits, are not refundable to the employee and will be used for annuity purposes only.

***Ordinary Disability Benefit***

This benefit is granted for disability incurred other than in performance of an act of duty and is 50 percent of salary as of the last day worked. The first payment shall be made one month after the disablement occurs. Disability is payable until age 65 and limited to a maximum of 25 percent of the employee's total service or five years, whichever occurs first.

For ordinary disability benefits paid on or after January 1, 2001, the Fund credits amounts equal to the amounts ordinarily contributed by an employee for annuity purposes for any period during which the employee receives ordinary disability. These amounts are used for annuity purposes but are not credited for refund purposes.

**GROUP HEALTH HOSPITAL AND SURGICAL INSURANCE PREMIUMS**

The pension fund shall provide payments in the amount of \$85 per month for non-Medicare eligible city annuitants (defined in section 160.1 of Article 11 of the Illinois Pension Code as persons receiving an age and service annuity, a widow's annuity, a child's annuity, or a minimum annuity as a direct result of previous employment by the City of Chicago) and \$55 per month for Medicare eligible city annuitants from July 1, 2003, through June 30, 2008. Thereafter, the pension fund shall provide payments in the amount of \$95 per month for non-Medicare eligible city annuitants and \$65 per month for Medicare eligible city annuitants from July 1, 2008, through June 30, 2013.

The city health care plans referred to above and the pension fund's payments to the city for such plans are not and shall not be construed to be pension or retirement benefits for the purposes of Section 5 of Article XIII of the Illinois Constitution of 1970.

Should the Board of Education continue to sponsor a retiree health plan, the pension fund is authorized to provide payments to the Board of Education, on behalf of each eligible annuitant who chooses to participate in the Board of Education retiree health benefit plan, in the amount of \$85 per month for non-Medicare eligible participants and \$55 per month for Medicare eligible participants from July 1, 2003, through June 30, 2008. Thereafter, the pension fund is authorized to provide payments to the Board of Education, on behalf of each eligible annuitant who chooses to participate in the Board of Education retiree health benefit plan, in the amount of \$95 per month for non-Medicare eligible participants and \$65 per month for Medicare eligible participants from July 1, 2008, through June 30, 2013.

**SUMMARY OF  
PRINCIPAL ELIGIBILITY AND BENEFIT PROVISIONS  
AS OF DECEMBER 31, 2005 (CONT'D)**

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The Board of Education health benefit plan referred to above and the pension fund's payments to the Board of Education for such plan are not and shall not be construed to be pension or retirement benefits for the purposes of Section 5 of Article XIII of the Illinois Constitution of 1970.

**REFUNDS**

*To Employees*

An employee who resigns before age 55, or before age 60 with less than 10 years of service, is entitled to all salary deductions for retirement annuity and spouse annuity accumulated with interest to date of resignation, plus the 0.50 percent deducted for annuity increase purposes without interest.

If the annuity of an employee is less than \$800 a month, the employee may elect to receive a refund, as above, in lieu of an annuity.

Spouse's annuity deductions are payable to the employee if not married when he retires.

*To Spouses*

The spouse may choose a refund in lieu of annuity if the annuity would be less than \$800 per month.

*Remaining Amounts*

Amounts contributed by the employee excluding 0.50 percent deductions for annuity increases, and which have not yet been paid out as annuity, are refundable to his estate with interest to his retirement or death if the employee died in service.

**DEDUCTIONS AND CONTRIBUTIONS**

Members are required to contribute 8.50 percent of their salary to the pension fund.

The City shall annually levy a tax which, when added to the amounts deducted from the salaries of the employees, or otherwise contributed by them, will be sufficient for the requirements of the Fund. The tax will produce an amount that does not exceed the amount of contributions by the employees to the Fund made in the calendar year two years prior to the year for which the annual applicable tax is levied, multiplied by 1.00 for the year 1999 and each year thereafter. The total amount of contributions by the employees shall not include contributions for service credit purchases under Section 11-133.3 for purposes of establishing the tax levy amount.

When the balance of the prior service reserve equals its liabilities (including in addition to all other liabilities, the present value of all annuities, present or prospective, according to the applicable mortality tables and rates of interest), the City shall cease to contribute the amounts to provide prior service annuities and other annuities and benefits. All liabilities attributable to the cost of the Early Retirement Incentive created by Public Act 93-0654 are to be excluded from the determination of a required City contribution.

**SUMMARY OF  
PRINCIPAL ELIGIBILITY AND BENEFIT PROVISIONS  
AS OF DECEMBER 31, 2005 (CONT'D)**

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**TAX SHELTER OF EMPLOYEE SALARY DEDUCTIONS**

Beginning January 1, 1982, the City employee salary deductions were designated for income tax purposes to be made by the employer. The W-2 salary is therefore reduced by the amount of contributions. For pension purposes the salary remains unchanged. Income tax will be paid when a refund or annuity is granted. For the purposes of benefits, refunds, or financing, these contributions are treated as employee contributions. Effective January 16, 2004, the Fund may allow the employee to designate any optional contribution amounts that he has elected to pay to the Fund as employer contributions for income tax purposes. The contributions shall be made by the employer through a reduction in payroll to the employee and the election to have the employer make the optional contributions is irrevocable. For the purposes of benefits, refunds, or financing, these contributions are treated as employee contributions.

Beginning September 1, 1981, the Board of Education paid contributions in the amount of 7.00 percent of the employee's salary. The 1985 amendments contained a provision whereby the amount of pick-up, if any, is included in the pensionable salary for contributions and benefits. Such provision was retroactive to September 1, 1981. Beginning May 28, 2000, the remainder of contributions due for Board of Education employee salary deductions was designated for income tax purposes to be made by the employer and treated in the same manner as City employee salary deductions.

## **Historic Information**



## EXHIBIT R

### LEGISLATIVE CHANGES 1984 THROUGH 2005

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#### 1984 Session

- Direct deposit.
- Illinois Public Employees' Pension Laws Commission abolished.

#### 1985 Session

##### *HB 398*

- 1.80, 2.00, 2.20, 2.40 percent benefit accrual rate for those born before January 1, 1936, and retiring after August 16, 1985.
- Reduction in age discount factor (employee and widow) from 0.50 percent to 0.25 percent for employees born before January 1, 1936, and retiring or dying in service after August 16, 1985.
- Health insurance supplement up to \$25 per month if the employee is age 65 or older with at least 15 years of service (for each employee annuitant in receipt of annuity and for each employee who retires on annuity in the future).
- Disability provisions extended to age 70 in certain cases.
- Unisex money purchase factors for widows/widowers.
- Membership provisions extended to age 70.
- Board of Education employee contribution "pick up" included in the definition of salary for contribution and benefit purposes.

#### 1986 Session

##### *HB 2630*

- Cap removed on spouse maximum annuity.
- Automatic post-retirement increase to begin on first anniversary of retirement following attainment at age 60.

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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### 1987 Session

#### *HB 2715*

- 1.80, 2.00, 2.20, 2.40 percent benefit accrual rate for those born on or after January 1, 1936, and retiring on or after January 1, 1988.
- Reduction in age discount factor (employee and widow) from 0.50 percent to 0.25 percent for employees born on or after January 1, 1936, and retiring or dying in service on or after January 1, 1988. No discount for employee age less than 60 if employee has at least 35 years of service.
- Minimum employee annuity of \$250 and minimum spouse annuity of \$200 under certain conditions.
- Change amount of children's benefits to \$120 or \$150 effective January 1, 1988.
- Provide for certain "Good Government" initiatives.
- Remove chronic alcoholism restriction for ordinary disability.

### 1988 Session

- No changes.

### 1989 Session

#### *SB 95*

- Signed August 23, 1989. Changed the amount of fund paid health insurance "supplement" from January 1, 1988, until December 31, 1992, to \$65 per month for each annuitant not qualified to receive Medicare benefits (and \$35 if qualified) and from January 1, 1993, until December 31, 1997, the amounts are \$75 and \$45, respectively. Widows will now be supplemented and employee annuitants will no longer be required to meet the age 65 and 15 years of service requirements. The City will be required to pay 50 percent of the aggregated cost of health care claims for the retired group under all health care plans offered by the City. A procedure was established for the City to determine, with the help of an independent actuary, the aggregate cost of claims and premiums for each calendar year from 1989 through 1997 for the retired group.

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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### **HB 332**

- Signed August 23, 1989. Eliminated age related discriminatory provisions as required by Federal law or regulation. Provided for Age Discrimination changes effective January 1, 1988, to eliminate age 65 requirements for marriage in service and children's benefits, provided contributions after age 65 for spouse benefits, provided employee accumulation annuities be computed after age 70, provided employee and spouse accumulation annuities not be "fixed" at age 65, provided no age 70 restriction on disability benefits, provided for active members over age 65 that their accounts be "unfixed" and accumulate interest until the date of withdrawal, and provided that there be no age 70 membership limitation and removed the permitted "no spouse" refund at age 65.
- Eliminated the \$300, \$400 or \$500 maximum spouse annuity limitation for spouses of employees who retired before January 23, 1987, but die after January 23, 1987.
- Allow for local labor officials on a leave of absence from the Fund to contribute for their current service as a local labor official.

### **1990 Session**

#### **SB 136**

- Amends Chapter 120, Paragraph 671 of the Revenue Act to provide for a separate listing on the tax bill of the dollar amount of tax due from the person assessed which is allocable to a tax levied under the Illinois Pension Code, or any other tax levied by a municipality or township for public pension or retirement purposes. Effective January 1, 1990.

#### **SB 1951**

- Signed January 14, 1991. Beginning for withdrawals on or after January 1, 1991, annuity payments will be made as of the first day of the calendar month during the annuity payment period.
- 2.20 percent benefit accrual rate for employees retiring on or after July 1, 1990.
- No discount for employee age less than 60 if employee has at least 30 years of service and retires on or after July 1, 1990.
- Minimum employee annuity of \$350 and minimum spouse of \$300 under certain conditions.
- Spouses and widows of employees retiring or dying in service on or after July 1, 1990, with 20 or more years of service at age 55 or over will be eligible for half of the employees' annuity discounted 0.25 percent for each month the spouse or widow is less than 55.

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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- Retroactive eligibility for 35 years no discount and spouse and widow annuities computed as half of employee annuity.
- Refund in lieu of \$300 annuity.
- Disability benefit retroactive one year from application; duty disability deductions in lieu for heart attack or stroke; 10 percent increase in duty disability benefit January 1 of the sixth year.
- Collateral for securities lending expanded.
- Fractional payment for refund repayment and temporary service authorized. Credit established by fractional payment shall be earliest service for which credit may be established.

### 1991 Session

- No changes.

### 1992 Session

#### *SB 1650*

- Signed January 25, 1993.
- Transfer provisions for County elected officers and judges.
- Early Retirement Incentive was created for withdrawals from December 31, 1992, to June 30, 1993.
  - Requires a total of 20 years of service (with at least 10 in this fund, and up to 5 purchased under ERI).
  - Requires age 55 or older.
  - Requires an election form to be filed before June 1, 1993.
  - Requires a member to be a current contributor on November 1, 1992, and have not previously retired under this Article.
  - Provides for elimination of the age discount for employees 55-60.
  - Provides for 80 percent maximum final average salary compared to the present 75 percent.
  - Provides for an optional purchase of up to 5 years of service credit for 4.25 percent of the November 1, 1992, salary.
  - Provides for a 24-month option to pay for ERI service.
  - Provides for a tax levy derived from ERI contributions.

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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### 1993 Session

- No changes.

### 1994 Session

- No changes.

### 1995 Session

#### *SB 114*

- Approved July 14, 1995.
- The amount of earnings that may be taken into account by any retirement system is limited to the maximum dollar limitation specified in Section 401(a)(17) of the Internal Revenue Code, except for persons who became participants before 1996.
- The Fund is authorized to make certain involuntary distributions required by Section 401(a)(9) of the Internal Revenue Code.

#### *SB 424*

- Approved July 7, 1995.
- The Pension Laws Commission was created as a legislative support services agency.

### 1996 Session

#### *SBJPA*

- On August 20, 1996, the Small Business Job Protection Act was signed by President Clinton.
- Treatment of governmental plans under Code Section 415:
  - Rule limiting annual benefit to 100 percent of the average of the highest 3 year compensation no longer applies.
  - Excess benefit plans are permitted to provide participants with benefits in excess of the Code Section 415 limits.
  - Early retirement reduction does not apply to certain survivor and disability benefits.

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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- The definition of compensation now includes elective deferrals.
- Taxation of distributions:
  - \$5,000 death benefit exclusion was repealed for deaths after August 20, 1996.
  - Five-year averaging for lump sum distributions was repealed effective January 1, 2000.
  - Annuity payments will be taxed according to a simplified general rule which uses investment and age as of annuity starting date for annuities which start on or after November 19, 1996.

### 1997 Session

#### *HB 15*

- Approved June 27, 1997.
- For withdrawals from service occurring on or after July 1, 1990, an alternate method of calculating salary using the annual equivalent of average salary instead of the salary rate applicable for the greatest part of the year is allowed.
- Annuities effective on or after January 1, 1998, will be payable on the first day of the calendar month.
- The prudent person rule for investing is allowed.
- An eligible employee is allowed to contribute for all periods of temporary service while still in City service, for up to 90 days after withdrawal from City service, or while in reciprocal service.
- The Board is allowed to adopt rules prescribing the manner of repaying refunds and purchasing any optional credit including accepting rollovers for payments.
- The City is allowed to use deposits from any legal source (including borrowing) in lieu of all or part of the tax levy on or after June 27, 1997.
- The requirement that any person employed by a retirement board of any other annuity and benefit fund in the City apply for participation in the Fund is eliminated.
- Payment is allowed for service as a police officer, firefighter, or public school teacher in the City.

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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### ***HB 313***

- Approved June 27, 1997.
- For withdrawals from service occurring on or after June 27, 1997, an employee (and spouse) age 50 or over with at least 30 years of service is eligible to receive an annuity based on the minimum annuity formula.
- For withdrawals from service occurring on or after June 27, 1997, an employee under age 60 with at least 25 years of service is not subject to an age discount.
- The spouse of an employee dying on or after June 27, 1997, while receiving an annuity is eligible for one half of the employee's annuity at death, discounted for the spouse's age under 55 at the time of employee's death. Excess spouse refund, if any, must be repaid.
- Beginning June 27, 1997, employees already receiving annuity will receive a minimum annuity of \$550 for life (reciprocal annuitants must have at least five years of Laborers' service). Any future employee annuitant withdrawing from service after attainment of age 60 with 10 or more years of service would qualify for this minimum.
- Beginning June 27, 1997, widow(er)s already receiving annuity will receive a minimum annuity of \$500 for life (reciprocal annuitants must have at least five years of Laborers' service). For future spouses of retirees, 10 years of service is required. For spouses of employees dying in service in the future, five years of service is required.
- Beginning June 27, 1997, the child's annuity will be increased to \$220 per month if the spouse of the deceased employee parent survives or \$250 per month if no such spouse survives.
- Coverage in the City group health insurance is extended through June 30, 2002, with some modification in the plans offered. Pension fund supplement remains \$45 and \$75 for Medicare eligible and non-Medicare eligible annuitants respectively.
- Beginning June 27, 1997, spouses of employees dying in service after age 50, with at least 30 years of service or after age 55 with 25 years of service, will be eligible to receive 50 percent of the annuity that the employee would have received. This annuity will be reduced by 0.25 percent per month for each month that the spouse is below the age of 55.

### ***HB 1641***

- Approved August 22, 1997.
- Beginning August 22, 1997, for spouses of employees who retired or died in service before January 23, 1987, the previous \$300, \$400, or \$500 maximum spouse annuity limitation is removed. If an excess spouse refund was paid, it must be repaid with interest.

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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- Service paid under Section 11-221 can be counted for ordinary disability purposes for periods of disability on or after August 22, 1997.
- Early Retirement Incentive was created for withdrawals from December 31, 1997, to June 30, 1998.
  - Requires a total of 20 years of service (with at least 10 in this fund, up to five in a Reciprocal fund, and up to five purchased under ERI) and age 55 or older.
  - Requires a total of 30 years of service (with at least 10 years of that service in this fund and without including any service purchased under the ERI provisions) and age 50 or older.
  - Requires an election form to be filed before June 1, 1998.
  - Requires a member to be a current contributor on November 1, 1997, and have not previously retired under this Article.
  - Provides for elimination of the age discount for employees age 55 to 60.
  - Provides for 80 percent maximum final average salary compared to the present 75 percent.
  - Provides for an optional purchase of up to five years of service credit for 4.25 percent of the November 1, 1997, salary.
  - Provides for a 24-month option to pay for ERI service.
  - Provides for a tax levy derived from ERI contributions.

### 1998 Session

#### *HB 3515*

- Approved August 14, 1998.
- Beginning January 1, 1999, the automatic increase for employee annuitants changed to 3 percent compounded for all past, current, and future annuitants regardless of the effective date of the annuity. Term annuities are not eligible for the increase.
- Employees withdrawing after January 1, 1999, will be eligible for the minimum formula upon attainment of age 60 if they have at least 10 years of service.
- Beginning January 1, 1999, employees already receiving an annuity as of August 14, 1998, will receive a minimum annuity of \$850 for life (reciprocal annuitants must have at least five years of Laborers' service). Any future employee annuitant withdrawing from service after August 14, 1998, after attainment of age 60 with 10 or more years of service would qualify for this minimum.

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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- Beginning January 1, 1999, widow(er)s already receiving annuity as of August 14, 1998, will receive a minimum of \$800 for life (reciprocal annuitants must have at least five years of Laborers' service). For future spouses of retirees dying after August 14, 1998, 10 years of service is required. For spouses of employees dying in service after August 14, 1998, five years of service is required.
- The conditions of the reversionary option were changed as follows:
  - The nullification of reversionary payment due to employee dying was reduced to 365 days after written designation was filed with the board and now applies only to parents, children and siblings (not spouses).
  - Employees may reduce their monthly annuity by as much as \$400.
  - The increased annuity for spouse may now be as much as 100 percent of the reduced employee annuity.
- Spouses and widows that are eligible for the "50 percent employee amount" will no longer have this amount reduced for under age 55 if the employee dies on or after January 1, 1998, and withdrew from service on or after June 27, 1997, and the employee retired after age 55 with at least 25 years of service or after age 50 with at least 30 years of service. The age discount will only apply if the spouse is under age 50.
- The child of an annuitant who withdraws after January 1, 1998, having attained age 50 with at least 30 years of service is eligible for a child annuity upon the death of the annuitant.
- The required employer multiple has been set at 1.00 for 1999 and beyond.
- Money deposited under 5/11-169(f) may be used by the Fund for any of the purposes for which the proceeds of the tax levied by the City under this section may be used.
- The number of board members is changed from five to eight. The makeup of the board is two ex-officio members, three appointed persons, two employees and one annuitant.

### ***HB 1612***

- Qualified Illinois Domestic Relations Orders recognized effective July 1, 1999.

### **1999 Session**

- No Change

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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### 2000 Session

#### *HB 1583*

- Approved July 6, 2000.
- An employee or widow whose annuity would amount to less than \$800 per month may elect to receive a refund in lieu of annuity. Formerly, only employees and widows whose annuity would be less than \$300 per month could choose a refund.
- The reversionary annuity tables have been extended down to age 50 from age 55 to comply with the change in the law allowing retirement at age 50 with 30 years of service.
- The Board is allowed to pay an annuity (if the person qualifies) directly to a Medicare approved, State certified nursing home or to a publicly owned and operated nursing home, hospital, or mental institution. Each person must qualify under the provisions of this amendment.
- Annuities of widows who remarry on or after the date 60 days after the effective date of this amendment would not be terminated upon remarriage.
- For annuities effective before January 1, 1998, all annuity payments will be made on the first day of the calendar month, for the entire month without proration.

### 2001 Session

#### EGTRRA

- On June 7, 2001, the Economic Growth and Tax Relief Reconciliation Act of 2001 were signed by President Bush.
- Beginning January 1, 2002, payments for eligible optional service credits may be made with funds rolled over from a 457 deferred compensation plan or a 403(b) tax deferred annuity plan (if allowed by the 457 or 403(b) plan).

### 2002 Session

#### *SB 314*

- Effective July 1, 2002.
- The accrual rate for the minimum formula annuity is changed from 2.20 percent to 2.40 percent of final average salary and the maximum annuity is changed from 75 percent to 80 percent of final average salary for employees withdrawing from service on or after January 1, 2002.

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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- The 3.00 percent post-retirement automatic increase will now begin no later than three years after retirement for an eligible retiree (An eligible retiree is an employee annuitant, not a widow or widower annuitant, originally granted a lifetime annuity). For eligible retirees less than age 60 on the first anniversary of retirement, the 3.00 percent increase will begin at the earlier of age 60, and the latest of the following dates:
  - The third anniversary of retirement
  - The attainment of age 53; or
  - January 1, 2002

For eligible retirees age 60 or older on the first anniversary of retirement, the 3.00 percent increase will begin on the first anniversary of retirement.

### ***HB 5168***

- Effective June 28, 2002.
- For the eligible spouse of an employee who dies in service on or after August 28, 2002, with at least 10 years of service, the annuity is no less than 50 percent of the minimum formula annuity the employee would have been entitled to based on service and salary to the date of death without regard to age eligibility requirements. This is equal to 2.40 of final average salary for each year of service. The employee and the spouse must have been married for ten years.
- For children of employees who die in service on or after June 28, 2002, there is no service requirement for eligibility for children's annuity.
- The definition of "child" now includes any child adopted before employee withdraws from service and at least one year prior to the date any benefit for the child accrues. Previously the adoption also had to take place before the employee attained age 55.
- For ordinary disability benefits paid on or after January 1, 2001, the ordinary disability benefit is 50 percent of the employee's salary at the date of disability with the amounts ordinarily contributed by the employee for annuity purposes contributed by the Fund. These contributions are not refundable.
- The pension fund supplement for retiree health insurance was extended through June 30, 2003. For annuitants (other than child annuitants) taking the employer-provided plan, the supplement is \$75 per month if the annuitant is not eligible for Medicare and \$45 per month if the annuitant is eligible for Medicare.

### **2003 Session**

#### ***SB 1701***

- Effective July 1, 2003.

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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- The healthcare benefits were increased to \$85 per month for non-Medicare eligible participants and \$55 per month for Medicare eligible participants for the period from July 1, 2003, through June 30, 2008. Thereafter, the benefits are increased from \$85 to \$95 and \$55 to \$65 for the period July 1, 2008, to June 30, 2013.
- The healthcare benefits referred to above are not and shall not be construed to be pension or retirement benefits for the purposes of Section 5 of Article XIII of the Illinois Constitution of 1970.

### 2004 Session

#### ***HB 600***

- Effective January 16, 2004.
- Early Retirement Incentive was created for withdrawals from January 31, 2004, to February 29, 2004 (or to May 31, 2004, for those deemed critical employees).
  - Requires an election form to be filed before January 31, 2004.
  - Requires a member to be a current contributor who has not previously retired under this Article and satisfy one of the following:
    - Active as of October 15, 2003
    - Returned to active from approved leave of absence prior to December 15, 2003
    - Receiving ordinary or duty disability benefits as of October 15, 2003
    - Restored to service by January 31, 2004, after having been involuntarily laid off
  - Requires that employees that reenter service forfeit their right to receive benefits and will have their benefits recalculated at the time of retirement excluding the benefits provided under the ERI.
  - Requires that the participant is age 50 with 10 years of creditable service in this Fund and have 70 combined years of age and service, with service in one or more systems under the Reciprocal Act (excluding service purchased under the ERI).
  - Provides for elimination of the age discount for employees younger than age 60.
  - Provides for an optional purchase of up to five years of service credit for 4.25 percent of the monthly salary rate in effect October 15, 2003.
  - Provides for a 24-month option to pay for ERI service.
  - Provides for the exclusion of ERI contributions from the base from which the tax levy is derived.
  - Provides for the exclusion of the liabilities arising from the ERI for the purpose of determining if a contribution by the city is required.

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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- Provides for a lump sum benefit option of 100 percent of salary at retirement and an actuarially reduced monthly annuity for those employees who were eligible for the maximum benefit (excluding purchased service under the ERI).
- Allows Board members to continue until the end of their terms without forfeiting the benefits provided by the early retirement incentive.
- Automatic increases in annuities will now take effect in the January of each year in which they are to be provided.
- An employee who previously withdrew contributions from the Fund, may have his rights under the Fund restored after repaying the withdrawn contributions with interest after completing the required amount of service after the date of refund. The required service is:
  - 90 days of service under this Fund or
  - Two years of service under any participating Fund under the Reciprocal Act.
- Employees may elect to have their optional contributions “picked-up” by the employer, to be treated as employer contributions for tax purposes. The employee election is irrevocable.
- For the eligible spouse of an employee who died in service on or after January 1, 2002, and before August 28, 2002, with at least 10 years of service, the annuity is no less than 50 percent of the minimum formula annuity the employee would have been entitled to based on service and salary to date of death without regard to age eligibility requirements. This minimum formula annuity is equal to 2.40 percent of final average salary for each year of service. The employee and spouse must have been married for ten years.

### 2005 Session

#### *SB 23*

- Approved June 27, 2005.
- Prohibits the investment or deposit from the retirement system or pension fund to certain entities doing business in or with the government of the Republic of the Sudan. Fund managing companies must certify that under Section 1-110.5 of the pension code that they have not loaned to, invested in, or otherwise transferred any of the pension fund assets to a forbidden entity.

#### *SB 253*

- Approved August 4, 2005.
- Provides that, to qualify as an “emerging investment manager”, the maximum value of an investment portfolio that a manager manages is \$2,000,000,000 (was \$400,000,000).

## LEGISLATIVE CHANGES 1984 THROUGH 2005 (CONT'D)

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### *SB 1446*

- Approved August 22, 2005.
- Provides for various changes in provisions and procedures concerning Qualified Illinois Domestic Relations Orders. Allows for alternate payee's benefit to be based on a percentage of employee's benefit. Effective July 1, 2006.

## EXHIBIT S

### HISTORY OF RECOMMENDED EMPLOYER MULTIPLES AND TAXES LEVIED

Year of Report	Statutory Multiple	Normal Cost Plus Interest	Normal Cost Plus 40 Year Amortization	Normal Cost		Tax Levy Year	Total Tax Levy	
				Plus 40 Year Amortization	% of Salary Amortization		City	Park
1982 <sup>1,2</sup>	1.37	1.34	1.92	1.03	1982	\$13,073,000	\$27,000	\$13,100,000
1983 <sup>1,2</sup>	1.37	1.54	2.16	1.21	1983	14,231,000	29,000	14,260,000
1984	1.37	1.58	2.04	1.30	1984	15,606,000	32,000	15,638,000
1985 <sup>2</sup>	1.37	1.60	2.08	1.33	1985	15,618,000	29,000	15,647,000
1986 <sup>1</sup>	1.37	0.99	1.84	0.94	1986	15,373,000	25,000	15,398,000
1987 <sup>1</sup>	1.37	1.13	1.90	1.03	1987	15,260,000	21,000	15,281,000
1988	1.37	1.03	1.87	0.98	1988	15,380,000	20,000	15,400,000
1989 <sup>1,2</sup>	1.37	0.56	1.49	0.56	1989	15,442,000	14,000	15,456,000
1990 <sup>1,2</sup>	1.37	1.01	1.80	0.93	1990	15,261,000	12,000	15,273,000
1991	1.37	0.93	1.70	0.90	1991	16,382,000	10,000	16,392,000
1992 <sup>2</sup>	1.37	0.80	1.75	0.80	1992	16,835,000	11,000	16,846,000
1993 <sup>2</sup>	1.37	0.83	1.96	0.83	1993	18,036,000	11,000	18,047,000
1994 <sup>1,2</sup>	1.37	0.64	1.84	0.64	1994	17,069,000	12,000	17,081,000
1995 <sup>2</sup>	1.37	0.75	1.87	0.75	1995	18,726,000	9,500	18,735,500
1996	1.37	0.66	1.75	0.66	1996	20,037,300	6,900	20,044,200
1997 <sup>1,2,3,4</sup>	1.37	N/A	N/A	N/A	1997	19,645,400	4,300	19,649,700
1998 <sup>1,2,4</sup>	1.37	N/A	N/A	N/A	1998	19,757,000	4,600	19,761,600
1999 <sup>1,4,5</sup>	1.00	N/A	N/A	N/A	1999	14,676,000	1,898	14,677,898
2000 <sup>4</sup>	1.00	N/A	N/A	N/A	2000 <sup>6</sup>	0	0	0
2001 <sup>4</sup>	1.00	N/A	N/A	N/A	2001 <sup>7</sup>	0	0	0
2002 <sup>2,4</sup>	1.00	N/A	N/A	N/A	2002 <sup>8</sup>	0	0	0
2003 <sup>2,4</sup>	1.00	0.44	0.43	0.53	2003 <sup>9</sup>	0	0	0
2004 <sup>1,2,4</sup>	1.00	0.67	0.67	0.63	2004 <sup>10</sup>	0	0	0
2005 <sup>1</sup>	1.00	1.18	1.23	0.99	2005 <sup>11</sup>	0	0	0

<sup>1</sup> Change in actuarial assumptions

<sup>2</sup> Change in benefits

<sup>3</sup> Change in asset valuation method to GASB

<sup>4</sup> No contribution is required under these valuation methods

<sup>5</sup> Change in actuary

<sup>6</sup> Tax levy based on the statutory multiple would be \$16,726,700, of which \$100 is for Park

<sup>7</sup> Tax levy based on the statutory multiple would be \$16,504,660

<sup>8</sup> Tax levy based on the statutory multiple would be \$16,892,000

<sup>9</sup> Tax levy based on the statutory multiple would be \$19,430,000

<sup>10</sup> Tax levy based on the statutory multiple would be \$19,570,600

<sup>11</sup> Tax levy based on the statutory multiple would be \$18,970,900

**EXHIBIT T**  
**ANNUAL REQUIRED CONTRIBUTIONS OF EMPLOYER**  
**AND TREND INFORMATION**

Year	Annual Required Contribution (ARC) of the Employer <sup>1</sup>	Required Statutory Basis <sup>2</sup>	Actual <sup>3</sup>	Percent of ARC Contributed
1996	\$ -	\$ 19,242,432	\$ 19,623,717	N/A
1997	-	18,863,712	19,328,981	N/A
1998	-	18,971,520	19,724,301	N/A
1999	-	14,089,822	14,406,579	N/A
2000 <sup>4</sup>	-	16,057,536	683,352	N/A
2001 <sup>4</sup>	-	15,844,464	659,946	N/A
2002 <sup>4</sup>	-	16,216,320	82,865	N/A
2003 <sup>4</sup>	-	18,652,733	366,920	N/A
2004 <sup>4</sup>	8,513,018	18,787,778	202,684	2.38%
2005 <sup>4</sup>	12,774,103	18,212,098	40,435	0.32%

<sup>1</sup>Under Normal Cost plus 40-Year Level-Dollar Amortization. Negative ARC values are set to zero, as no contribution is then required.

<sup>2</sup>Tax levy after 4.00 percent overall loss.

<sup>3</sup>Net tax levy plus miscellaneous. Includes prior year adjustments for taxes beginning in 1991.

<sup>4</sup>The City of Chicago did not levy a tax for the Fund this year.

Year	Benefits as a % of Actuarial Accrued Liability	Unfunded Actuarial Accrued Liability (Surplus) as a % of Covered Payroll End of Year	Employer Contribution as a % of Covered Payroll Beginning of Year
1996	125.16%	(145.24)%	12.83%
1997	127.62%	(167.92)%	11.91%
1998	118.40%	(139.36)%	11.52%
1999	129.09%	(216.57)%	8.44%
2000	133.90%	(237.80)%	0.39%
2001	125.24%	(167.58)%	0.36%
2002	111.32%	(84.12)%	0.04%
2003	103.15%	(24.91)%	0.18%
2004	98.53%	14.38 %	0.10%
2005	93.88%	58.37 %	0.02%

**EXHIBIT W**  
**HISTORY OF RETIREES AND BENEFICIARIES**  
**ADDED TO PAYROLLS**

Year	Added to Payroll		Removed from Payroll		Payroll End of Year		Average	Increase in
	No.	Ann. Benefits <sup>1</sup>	No.	Ann. Benefits	No.	Ann. Benefits	Annual Benefit	Average Benefit
<b>Employee Annuitants (Male and Female)</b>								
1996	91	\$ 2,762,022	154	\$ 1,972,620	2,537	\$ 39,234,371	\$ 15,465	4.59%
1997	84	3,589,997	164	1,981,409	2,457	40,842,959	16,623	7.49%
1998	485	18,846,565	134	2,040,866	2,808	57,648,658	20,530	23.50%
1999	44	1,850,687	165	2,650,429	2,687	56,848,916	21,157	3.05%
2000	56	1,932,680	174	2,592,545	2,569	56,189,051	21,872	3.38%
2001	53	1,278,686	141	1,023,883	2,481	56,443,854	22,750	4.01%
2002	152	6,390,266	172	3,568,213	2,461	59,265,907	24,082	5.85%
2003	150	6,731,957	139	2,773,616	2,472	63,224,248	25,576	6.20%
2004	525	23,029,473	161	3,507,001	2,836	82,746,720	29,177	14.08%
2005	55	3,997,885	154	3,287,338	2,737	83,457,267	30,492	4.51%
<b>Surviving Spouse Annuitants (Not Including Compensation)</b>								
1996	77	\$ 549,825	87	\$ 358,563	1,417	\$ 6,777,664	\$ 4,783	3.63%
1997	83	3,034,013	87	372,443	1,413	9,439,234	6,680	39.66%
1998	83	5,183,302	82	744,341	1,414	13,878,195	9,815	46.93%
1999	85	875,659	102	936,528	1,397	13,817,326	9,891	0.77%
2000	83	908,129	74	729,344	1,406	13,996,111	9,955	0.64%
2001	74	841,721	75	721,476	1,405	14,116,356	10,047	0.92%
2002	101	1,329,509	84	832,813	1,422	14,613,052	10,276	2.28%
2003	59	807,971	86	847,204	1,395	14,573,819	10,447	1.67%
2004	68	1,030,666	84	849,453	1,379	14,755,032	10,700	2.42%
2005	84	1,108,608	96	950,157	1,367	14,913,483	10,910	1.96%

<sup>1</sup> Annual benefits added to payroll include post-retirement increase amounts.

## **GASB Exhibits**



## **EXHIBIT A-1**

### **GASB #25 AND #27 DISCLOSURES**

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In an effort to enhance the understanding and usefulness of the pension information that is included in the Data reports of pension plans for state and local governments, the Governmental Accounting Standards Board (GASB) has issued Statement No. 25 – Financial Reporting for Defined Benefit Pension Plans and Statement No. 27 – Accounting for Pensions by State and Local Governmental Employers.

Under GASB #25 and #27, systems select one actuarial method from several acceptable alternatives, and report all information on this one basis.

This report includes the following Exhibits with information required to be reported under GASB #25 and #27.

#### ***Exhibit A-2: Schedule of Funding Progress for GASB #25***

This exhibit shows a history of funding progress under GASB (we included additional years prior to GASB #25). The funding progress is a comparison of Actuarial Value of Assets with the Actuarial Accrued Liability (AAL), and a comparison of the unfunded AAL (UAAL) with payroll.

#### ***Exhibit A-3: Schedule of Employer Contributions for GASB #25***

This exhibit shows the Annual Required Contribution (ARC) as computed under GASB #25, and the percent of this amount actually received.

#### ***Exhibit A-4: Supplementary Information for GASB #25 and #27***

This exhibit has certain information required in the notes to the Fund and City financial reports.

#### ***Exhibit A-5: History of Annual Pension Cost and Contributions Made for GASB #27 from 1997***

This exhibit shows the components of annual pension cost (ARC, interest on the Net Pension Obligation (NPO), and the adjustment to the ARC), increase or decrease in the NPO, and the NPO at the end of the year for years 1997-2005. The exhibit also includes the dollar amount of city contributions made.

**EXHIBIT A-1**  
**GASB #25 AND #27 DISCLOSURES (CONT'D)**

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***Exhibit A-6: Pension Cost Summary for GASB #27***

This exhibit shows a six-year summary of annual pension cost, percentage of annual pension cost contributed that year and NPO at the end of the year.

***Exhibit A-7: Development of Net Pension Obligation (NPO) at January 1, 1997***

This exhibit documents the calculation of the pension liability at transition in accordance with GASB #27.

**EXHIBIT A-2**

**LABORERS' AND RETIREMENT BOARD EMPLOYEES'**  
**ANNUITY AND BENEFIT FUND OF CHICAGO**

**SCHEDULE OF FUNDING PROGRESS FOR GASB #25**

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) Entry Age (b)	Unfunded AAL (UAAL) (b - a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll [(b - a) / c]
1996	\$ 1,172,316,925	\$ 936,623,719	\$ (235,693,206)	125.16%	\$ 162,276,840	(145.24)%
1997	1,328,085,799	1,040,650,534	(287,435,265)	127.62%	171,175,944	(167.92)%
1998	1,530,395,014	1,292,611,712	(237,783,302)	118.40%	170,627,112	(139.36)%
1999	1,690,749,716	1,309,772,341	(380,977,375)	129.09%	175,914,112	(216.57)%
2000	1,737,971,109	1,297,913,880	(440,057,229)	133.90%	185,051,048	(237.80)%
2001	1,756,080,291	1,402,138,620	(353,941,671)	125.24%	211,203,088	(167.58)%
2002	1,715,073,438	1,540,604,761	(174,468,677)	111.32%	207,403,973	(84.12)%
2003	1,679,796,167	1,628,563,033	(51,233,134)	103.15%	205,691,917	(24.91)%
2004	1,649,959,130	1,674,614,651	24,655,521	98.53%	171,476,937	14.38%
2005 <sup>1</sup>	1,635,595,437	1,742,300,488	106,705,051	93.88%	182,809,397	58.37%

<sup>1</sup> OPEB liabilities are discounted at a rate of 4.50 percent.

## EXHIBIT A-3

### LABORERS' AND RETIREMENT BOARD EMPLOYEES' ANNUITY AND BENEFIT FUND OF CHICAGO

#### SCHEDULE OF EMPLOYER CONTRIBUTIONS FOR GASB #25

	2005	2004	2003	2002	2001	2000
1. Contribution Multiplier	1.00	1.00	1.00	1.00	1.00	1.00
2. Payroll (beginning of year)	\$171,476,937	\$205,691,917	\$207,403,973	\$211,203,088	\$185,051,048	\$175,914,112
3. City of Chicago Contribution, Net of Reserve for Loss in Tax Collection	40,435	202,684	366,920	82,865	659,946	683,352
4. City of Chicago Contribution as a Percent of Covered Payroll	0.02%	0.10%	0.18%	0.04%	0.36%	0.39%
5. Employee Contributions	16,256,802	22,591,435	19,798,759	20,189,214	20,017,224	17,011,363
6. Employee Contributions as a Percent of Covered Payroll	9.48%	10.98%	9.55%	9.56%	10.82%	9.67%
7. Current Year Normal Cost	24,764,145	29,456,126	29,478,171	27,048,056	23,692,541	21,039,274
8. Normal Cost as a Percent of Covered Payroll	14.44%	14.32%	14.21%	12.81%	12.80%	11.96%
9. 40-Year Level Dollar Amortization of the Unfunded Liability	1,914,459	(3,978,166)	(13,547,196)	(27,482,968)	(34,169,695)	(29,582,245)
10. 40-Year Level Dollar Amortization as a Percent of Covered Payroll	1.12%	(1.93)%	(6.53)%	(13.01)%	(18.47)%	(16.82)%
11. Interest Adjustment for Semi-Monthly Payment	995,379	950,583	594,385	(16,227)	(390,903)	(318,738)
12. Actuarially Determined Contribution (ADC) <sup>1</sup> (NC + 40-year level dollar + interest adjustment)	27,673,983	26,428,543	16,525,360	-	-	-
13. ADC as a Percent of Covered Payroll	16.14%	12.85%	7.97%	0.00%	0.00%	0.00%
14. Annual Required Contribution (ARC) <sup>1</sup> (ADC - estimated employee contributions)	12,774,103	8,513,018	-	-	-	-
15. ARC as a Percent of Covered Payroll	7.45%	4.14%	0.00%	0.00%	0.00%	0.00%

<sup>1</sup>ADC and ARC amounts cannot be less than zero.

*In the year 2005, city contributions and miscellaneous income totaled \$40,435 or 0.02 percent of payroll. In addition, employee contributions were \$16,256,802 or 9.48 percent of payroll. The Annual Required Contribution (ARC) was equal to \$12,774,103; therefore, there was a deficit of contributions and miscellaneous income of \$12,733,668 or 7.43 percent of payroll.*

**EXHIBIT A-4**  
**SUPPLEMENTARY INFORMATION FOR**  
**GASB #25 AND GASB #27**

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

Valuation date	December 31, 2005
Actuarial Cost Method	Entry Age Normal
Actuarial Value of Assets	5-year smoothed market
Amortization Method	Level dollar; Open
Remaining Amortization Period	40 years
Actuarial Assumptions:	
Pension Investment Rate of Return <sup>1</sup>	8.0%
OPEB Investment Rate of Return <sup>1</sup>	4.5%
Projected Base Salary Increases <sup>1</sup>	4.5% per year
<sup>1</sup> Includes Inflation at:	3.0% per year
Post Retirement Benefit Increases	3.0% per year beginning at the earlier of
	1) the later of the 1st of January of the year
	after retirement and age 60
	2) the later of the 1st of January of the year
	after the second anniversary of retirement
	retirement and age 53

**Actuarial Accrued Liability (AAL)**

	<u>December 31, 2004</u>	<u>December 31, 2005</u>
Payable to Retirees and Beneficiaries	\$ 1,055,408,468	\$ 1,023,899,580
Current Employees:		
Accumulated Employee Contributions		
Including Statutory Interest	213,524,642	224,180,889
Payable to Vested and Non-Vested		
Employees (not split)	405,681,541	494,220,019
Total Actuarial Accrued Liability	\$ 1,674,614,651	\$ 1,742,300,488
Net Plan Actuarial Assets	1,649,959,130	1,635,595,437
Unfunded AAL (assets in excess of AAL)	\$ 24,655,521	\$ 106,705,051
Percent Funded	98.53 %	93.88 %
Unfunded AAL as Percent of Payroll	14.38 %	58.37 %
Payroll	\$ 171,476,937	\$ 182,809,397

**EXHIBIT A-5**  
**HISTORY OF ANNUAL PENSION COST AND CONTRIBUTIONS**  
**MADE FOR GASB #27 FROM 1997**

<b>Year Ending December 31:</b>	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Contribution Rates</b>									
Plan Members:	8.5%	8.5%	8.5%	8.5%	8.5%	8.5%	8.5%	8.5%	8.5%
City: Proceeds from a tax levy not more than an amount equal to the total amount of contributions by the employees to the Fund made in the calendar year two years prior to the year for which the annual applicable tax is levied, multiplied by:									
	137	137	100	100	100	100	100	100	100
<b>Annual Pension Cost</b>									
Annual Required Contribution (ARC)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,513,018	\$ 12,774,103
Interest on NPO	(10,936,776)	(13,500,288)	(15,344,702)	(17,724,805)	(19,010,060)	(20,424,891)	(21,669,708)	(22,230,417)	(21,617,869)
Adjustment to ARC	10,936,776	13,500,288	-	2,342,460	1,984,628	4,947,535	15,027,772	21,576,925	20,982,384
Annual Pension Cost	\$ -	\$ -	\$ (15,344,702)	\$ (15,382,345)	\$ (17,025,432)	\$ (15,477,356)	\$ (6,641,936)	\$ 7,859,526	\$ 12,138,618
Employer Contributions <sup>1</sup>	\$ 32,043,902	\$ 23,055,176	\$ 14,406,579	\$ 683,352 <sup>2</sup>	\$ 659,946 <sup>2</sup>	\$ 82,865 <sup>2</sup>	\$ 366,920 <sup>2</sup>	\$ 202,684 <sup>2</sup>	\$ 40,435 <sup>2</sup>
<b>Net Pension Obligations (NPO)</b>									
NPO at Beginning of Year	\$ (136,709,698)	\$ (168,753,600)	\$ (191,808,776)	\$ (221,560,057)	\$ (237,625,754)	\$ (255,311,132)	\$ (270,871,353)	\$ (277,880,209)	\$ (270,223,367)
Increase/(Decrease) in NPO	(32,043,902)	(23,055,176)	(29,751,281)	(16,065,697)	(17,685,378)	(15,560,221)	(7,008,856)	7,656,842	12,098,183
NPO at End of Year	\$ (168,753,600)	\$ (191,808,776)	\$ (221,560,057)	\$ (237,625,754)	\$ (255,311,132)	\$ (270,871,353)	\$ (277,880,209)	\$ (270,223,367)	\$ (258,125,184)

<sup>1</sup>Provided by prior actuary for years before 1999.

<sup>2</sup>The City of Chicago did not levy a tax for Laborers' this year. These amounts include miscellaneous income and changes in reserves for tax loss and collections for tax years prior to 2000.

**EXHIBIT A-6**  
**PENSION COST SUMMARY FOR GASB #27**

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<b>Year Ended December 31</b>	<b>Annual Pension Cost</b>	<b>% of Annual Pension Cost Contributed</b>	<b>Net Pension Obligation</b>
2000	\$ (15,382,345)	N/A	\$ (237,625,754)
2001	(17,025,432)	N/A	(255,311,132)
2002	(15,477,356)	N/A	(270,871,353)
2003	(6,641,936)	N/A	(277,880,209)
2004	7,859,526	2.58%	(270,223,367)
2005	12,138,618	0.33%	(258,125,184)

**EXHIBIT A-7**  
**DEVELOPMENT OF NET PENSION OBLIGATION (NPO) AT JANUARY 1, 1997**

<b>Year Ending December 31:</b>	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
<b>Assumptions and Method</b>										
Interest Rate	7.5%	7.5%	7.5%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%
Amortization Period (years)	40	40	40	40	40	40	40	40	40	40
Cost Method	EAN	EAN	EAN	EAN	EAN	EAN	EAN	EAN	EAN	EAN
<b>Annual Pension Cost</b>										
Actuarially Determined Contribution (ADC)										
Normal Cost	\$ 18,826,921	\$ 20,008,465	\$ 19,803,585	\$ 17,819,965	\$ 20,777,427	\$ 21,637,649	\$ 20,261,167	\$ 21,316,661	\$ 20,451,183	\$ 21,340,898
40 Year Amortization	(693,500)	935,719	(151,802)	(3,030,467)	868,508	(925,113)	(5,449,447)	(7,246,462)	(7,571,950)	(13,950,958)
Total ADC	\$ 18,133,421	\$ 20,944,184	\$ 19,651,783	\$ 14,789,498	\$ 21,645,935	\$ 20,712,536	\$ 14,811,720	\$ 14,070,199	\$ 12,879,233	\$ 7,389,940
Interest on NPO	-	(628,987)	(1,146,199)	(1,796,270)	(2,998,697)	(3,639,511)	(4,348,031)	(5,806,534)	(7,176,840)	(8,775,457)
Adjustment to ADC	-	642,102	1,155,863	1,811,417	3,023,982	3,670,199	4,384,694	5,855,495	7,237,356	8,849,453
Annual Pension Cost	\$ 18,133,421	\$ 20,957,299	\$ 19,661,447	\$ 14,804,645	\$ 21,671,220	\$ 20,743,224	\$ 14,848,383	\$ 14,119,160	\$ 12,939,749	\$ 7,463,936
<b>Contributions for Year</b>										
Employer Contributions	\$ 14,745,709	\$ 15,157,663	\$ 15,257,738	\$ 17,029,493	\$ 15,989,678	\$ 16,574,721	\$ 17,734,532	\$ 16,954,732	\$ 18,311,622	\$ 19,623,717
Employee Contributions	11,774,209	11,740,621	12,529,606	12,805,486	13,691,711	13,025,003	15,345,146	14,293,250	14,610,842	14,856,703
Total Contributions	\$ 26,519,918	\$ 26,898,284	\$ 27,787,344	\$ 29,834,979	\$ 29,681,389	\$ 29,599,724	\$ 33,079,678	\$ 31,247,982	\$ 32,922,464	\$ 34,480,420
<b>Net Pension Obligations (NPO)</b>										
NPO at Beginning of Year	\$ -	\$ (8,386,497)	\$ (14,327,482)	\$ (22,453,379)	\$ (37,483,713)	\$ (45,493,882)	\$ (54,350,382)	\$ (72,581,677)	\$ (89,710,499)	\$ (109,693,214)
Annual Pension Cost	18,133,421	20,957,299	19,661,447	14,804,645	21,671,220	20,743,224	14,848,383	14,119,160	12,939,749	7,463,936
Total Contributions	(26,519,918)	(26,898,284)	(27,787,344)	(29,834,979)	(29,681,389)	(29,599,724)	(33,079,678)	(31,247,982)	(32,922,464)	(34,480,420)
NPO at End of Year	\$ (8,386,497)	\$ (14,327,482)	\$ (22,453,379)	\$ (37,483,713)	\$ (45,493,882)	\$ (54,350,382)	\$ (72,581,677)	\$ (89,710,499)	\$ (109,693,214)	\$ (136,709,698)