

**FIREFIGHTERS'
RETIREMENT SYSTEM**

ACTUARIAL VALUATION AS OF
JUNE 30, 2006

G. S. CURRAN & COMPANY, LTD.

Actuarial Services

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Consulting Actuary

November 21, 2006

Board of Trustees
Firefighters' Retirement System
3100 Brentwood Drive
Baton Rouge, LA 70809

Ladies and Gentlemen:

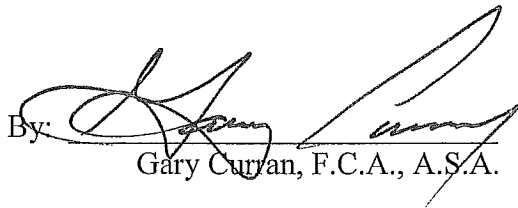
We are pleased to present our report on the actuarial valuation of the Firefighters' Retirement System for the fiscal year ending June 30, 2006. Our report is based on the actuarial assumptions specified and relies on the data supplied by the system's administrator and accountants. This report was prepared at the request of the Board of Trustees of the Firefighters' Retirement System. The primary purposes of the report are to determine the actuarially required contribution for the retirement system for the fiscal year ending June 30, 2007, to recommend the net direct employer contribution rate for fiscal 2008, and to provide information required for the system's financial statements.

This report has been prepared in accordance with generally accepted actuarial principles and practices, and to the best of our knowledge and belief fairly reflects the actuarial present values and costs stated herein.

Sincerely,

G. S. CURRAN & COMPANY, LTD.

By:



Gary Curran, F.C.A., A.S.A.

G. S. CURRAN & COMPANY, LTD.

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SUMMARY OF VALUATION RESULTS FIREFIGHTERS' RETIREMENT SYSTEM

Valuation Date:	June 30, 2006	June 30, 2005
Census Summary: Active Contributing Members	3,534	3,532
Retired Members and Beneficiaries	1,477	1,434
DROP Participants	111	103
Terminated Due a Deferred Benefit	52	45
Terminated Due a Refund	249	189
Payroll (excludes DROP Participants):	\$ 140,175,740	\$ 134,313,739
Benefits in Payment:	\$ 39,649,619	\$ 36,510,489
Market Value of Assets:	\$ 963,805,222	\$ 848,499,924
Unfunded Actuarial Accrued Liability:	\$ 177,950,515	\$ 193,661,707
Actuarial Asset Value:	\$ 911,329,622	\$ 819,240,156
Actuarial Accrued Liability:	\$ 1,089,280,137	\$ 1,012,901,863
Ratio of Actuarial Value of Assets to Actuarial Accrued Liabilities:	83.66%	80.88%

	FISCAL 2007	FISCAL 2006
Normal Cost as of July 1:	\$ 33,933,985	\$ 32,758,986
Amortization Cost (Credit) as of July 1:	\$ 14,961,526	\$ 16,301,167
Total Actuarially Required Contribution Inclusive of Estimated Administrative Costs:	\$ 51,439,150	\$ 51,555,407
Projected Employee Contributions (8%)	\$ 11,810,487	\$ 11,303,437
Expected Insurance Premium Taxes	\$ 18,946,928	\$ 18,119,048
Employer's Net Direct Actuarially Req'd Contributions	\$ 20,681,735	\$ 22,132,922
Actual Net Direct Employer Contribution Rate:	15.50%	18.00%
Actuarially Required Net Direct Employer Cont. Rate:	14.01%	15.66%

Minimum Recommended Net Direct Employer Contribution Rate for Fiscal 2008:	13.75%	
Actuarial Cost Method:	Individual Entry Age Normal with allocation of cost based on earnings. Unfunded Accrued Liability (exclusive of liability for mergers) as of June 30, 2002 amortized through June 30, 2029 with level dollar payments. Unfunded Accrued Liability resulting from merged systems amortized over thirty years.	
Valuation Interest Rate:	7½% (Net of Investment Expense)	
Exclusions from Census:	None	
Basis of Actuarial Asset Value:	The actuarial value of assets is based on the market value of investment securities adjusted to average in asset earnings above or below the assumed rate of return over a five-year period.	
Changes in Methods and Assumptions:	The actuarial asset valuation method was changed from 2-year smoothing of realized and unrealized capital gains to 5-year smoothing of all earnings above or below the valuation interest rate. Family and marriage statistics were changed, as well as, the vesting election percentage and the disability mortality table.	
Method of Recognizing Gains and Losses Accrued After June 30, 2004:	Amortized over 15 years with level dollar payments.	

COMMENTS ON DATA

For the valuation, the administrator of the system furnished a census by CD ROM derived from the system's master data processing file indicating each active covered employee's sex, date of birth, service credit, annual salary, and accumulated contributions. Information on retirees detailing dates of birth of retirees and beneficiaries, sex, as well as option categories and benefit amounts, was provided in like manner. In addition, data was supplied on former employees who are vested or who have contributions remaining on deposit. As illustrated in Exhibit X, there are 3,534 active contributing members in the system of whom 1,600 have vested retirement benefits; in addition, there are 111 participants in the Deferred Retirement Option Plan (DROP); 1,477 former system members or their beneficiaries are receiving retirement benefits. An additional 301 members have contributions remaining on deposit with the system; of this number, 52 have vested rights for future retirement benefits. All individuals submitted were included in the valuation.

Census data submitted to our office is tested for errors. Several types of census data errors are possible; to ensure that the valuation results are as accurate as possible, a significant effort is made to identify and correct these errors. In order to minimize coverage errors (i.e., missing or duplicated individual records) the records are checked for duplicates, and a comparison of the current year's records to those submitted in prior years is made. Changes in status, new records, and previous records, which have no corresponding current record are identified. This portion of the review indicates the annual flow of members from one status to another and is used to check some of the actuarial assumptions, such as retirement rates, rates of withdrawal, and mortality. In addition, the census is checked for reasonableness in several areas, such as age, service, salary, and current benefits. The records identified by this review as questionable are checked against data from prior valuations; those not recently verified are included in a detailed list of items sent to the system's administrative staff for verification and/or correction. Once the identified data has been researched and verified or corrected, it is returned to us for use in the valuation. Occasionally some requested information is either unavailable or impractical to obtain. In such cases, values may be assigned to missing data. The assigned values are based on information from similar records or based on information implied from other data in the record.

In addition to the statistical information provided on the system's participants, the system's administrator furnished general information related to other aspects of the system's expenses, benefits and funding. Valuation asset values as well as income and expenses for the fiscal year were based on information furnished by the system's accounting staff. As indicated in the system's financial statements, the net market value of the system's assets was \$963,805,222 as of June 30, 2006. Net investment income for fiscal 2006 measured on a market value basis amounted to \$104,769,942. Contributions to the system for fiscal 2006 totaled \$54,722,535; benefits and expenses amounted to \$44,187,179.

Notwithstanding our efforts to review both census and financial data for apparent errors, we must rely upon the system's administrative staff and accountants to provide accurate information. Our review of submitted information is limited to validation of reasonableness and consistency. Verification of submitted data to source information is beyond the scope of our efforts.

COMMENTS ON ACTUARIAL METHODS AND ASSUMPTIONS

This valuation is based on the Entry Age Normal actuarial cost method. Under the provisions of Louisiana R.S. 11:103 the funding excess for the plan which was determined to be \$239,425 as of June

30, 1989 was amortized over thirty years. Subsequent experience gains and losses are amortized over fifteen years. Contribution gains or losses arising from contributions in excess of or less than the required contributions are also amortized over fifteen years as are benefit and assumption changes. Further changes in the unfunded accrued liability generated by mergers of groups of firefighters into the system are amortized over thirty years. All non-merger amortization bases in existence on June 30, 2002, were combined, offset, and re-amortized through June 30, 2029, in accordance with R.S. 11:103(D). All amortization payments are on a level dollar basis.

The actuarial assumptions utilized for the report are outlined on pages thirty-six through thirty-nine. In the aggregate the assumptions represent our "best estimate" of future long-term experience for the fund. For the fiscal 2006 valuation several assumptions were adjusted to reflect recent plan and general population experience and trends. The percentage of eligible persons who terminate employment and elect deferred retirement benefits in lieu of a refund of contributions was changed from 80% to 70% based on recent plan experience. Disabled lives mortality was changed from 175% of the 1971 Group Annuity Mortality Table to the RP-2000 Disabled Lives Mortality Table. In addition, family composition statistics were updated to reflect information developed in the 2000 U. S. Census. Both the new assumptions and those used for the prior year are listed in the Assumption Section of the report. The effect of the change in assumptions was to decrease the normal cost by \$273,796, or 0.19% of payroll and to reduce the amortization payments on the UAL by \$324,017, or 0.22% of payroll.

In addition to the above changes in assumptions, the actuarial asset valuation method was changed from a two year smoothing of realized and unrealized capital gains and losses to a five year smoothing of all investment returns above or below the current valuation interest rate. The effect of this change was to reduce the actuarial value of assets by \$10,845,861. The resulting amortization of the additional unfunded accrued liability is \$1,185,061 or 0.80% of projected payroll.

All calculations, recommendations, and conclusions are based on the assumptions specified. To the extent that prospective experience differs from that assumed, adjustments will be required to contribution levels. Such differences will be revealed in future actuarial valuations.

CHANGES IN PLAN PROVISIONS

Act 492 provides for compliance with the Internal Revenue Code. The term "actuarial assumptions" is defined to mean the calculations used by an actuary engaged annually by the board to calculate the amounts necessary to fund the members' annuities. The definition of "actuarial equivalent" is amended to mean the amount required to fund the member's annuity based upon the calculations of the actuary on the basis of mortality tables approved by the board of trustees and regular interest at a rate fixed by the board of trustees. The terms "years of service" and "years of creditable service" are defined to mean the number of twelve-month periods a member has which are creditable toward receiving retirement benefits from the retirement system. The term "years of membership service" is defined to mean the number of twelve-month periods a member has served while a member of the retirement system. By virtue of this act, no individual under the age of eighteen will be allowed to become a member of this retirement system. This act provides for the acceptance of direct rollovers from other qualified retirement plans for the purchase of service credits at the accrual rate established by the system actuary, subject to the limitations of Section 415(n) of the Internal Revenue Code of 1986, as amended. This act provides for R.S. 11:2271, which outlines the tax qualification requirements of the Internal Revenue Code.

Act 507 provides for interest on the repayment of contributions to be calculated at the system's then currently assumed actuarial valuation rate of interest, compounded annually.

Act 562 prohibits individuals who are receiving disability retirement benefits from a public retirement system from becoming members of the Firefighters' Retirement System.

Act 566 permits individuals who become eligible to participate in the Deferred Retirement Option Plan (DROP) to make an irrevocable written election to waive their rights as set forth in Article X, Section 29 of the Louisiana Constitution as it relates to the interest earned by their DROP account. After these individuals terminate their employment in this system, their DROP account balance will earn interest at a rate equal to the percentage rate of return of the system's investment portfolio, less the cost of merger notes as certified by the actuary in his yearly valuation report, less the cost of administering the DROP to be determined annually by the board of trustees. These individuals will be required to expressly acknowledge that their account will be debited in the event the system's investment portfolio experiences a negative earnings rate.

Act 588 extends the deadline whereby retired members or Deferred Retirement Option Plan participants can convert from a service retirement to a service connected disability retirement from July 1, 2006 to July 1, 2011. The requirement that the Public Retirement Systems' Actuarial Committee publish reports as part of the actuarial valuations of the system on the impact of all such conversions occurring between July 1, 2001 and July 1, 2006 is also extended to all such conversions occurring between July 1, 2006 and July 1, 2011.

Act 678 provides that any employee of a state or statewide retirement system who has not retired, whose participation in the Deferred Retirement Option Plan of that system was interrupted or ceased upon their being terminated due to a reduction-in-force necessitated by Hurricane Katrina or Hurricane Rita or both, will have the time period applicable to their plan participation adjusted upon their reemployment and resumption of membership in the retirement system to which they belonged before being terminated. However, in no case will this statute apply to anyone who becomes reemployed more than one year after being furloughed or terminated, whichever occurs first, or to anyone reemployed on or after December 31, 2006.

Act 682 limits who an Option 4 benefit can be paid to, to the member, the member's spouse, the member's permanently mentally or physically disabled child or children, or the member's dependent minor child or children.

ASSET EXPERIENCE

The actuarial and market rates of return for the past ten years are given below. These rates of return on assets were arrived at by assuming a uniform distribution of income and expense throughout the fiscal year.

	<u>Actuarial Value</u>	<u>Market Value</u>
1997	8.5% *	14.7%
1998	11.8%	11.5%
1999	8.4%	6.9%
2000	5.5%	3.5%
2001	0.7%	-2.9%
2002	-3.0%	-3.7%
2003	0.9%	5.4%

2004	8.0%	11.0%
2005	10.4%	10.4%
2006	9.9% **	12.3%

* Based on the actuarial value of assets and income and expense including the effect of a change in the method for calculating the actuarial value of assets under a 2-year smoothing of recognizing realized and unrealized capital gains (losses) on all securities. All prior year returns were based on valuation of common stock at market value and fixed income securities at amortized cost.

** Based on the actuarial value of assets and income and expense including the effect of a change in the method for calculating the actuarial value of assets under a 5-year smoothing of investment earnings above or below the assumed 7.5% rate of return. Returns for years 1998 through 2005 were based on a 2-year smoothing of recognized realized and unrealized capital gains (losses) on all securities.

The market rate of return gives a measure of investment return on a total return basis and includes realized and unrealized capital gains and losses as well as interest income. (Asset and income values for merger notes were excluded from calculations in order to provide a measurement of the return on the portion of the portfolio under management.) This rate of return gives an indication of performance for an actively managed portfolio where securities are bought and sold with the objective of producing the highest total rate of return. The difference between rates of return on an actuarial and market value basis results from the smoothing of gains or losses on investments relative to the valuation interest rate over a five-year period. In addition, the transition from the prior smoothing method is captured in the calculation of the actuarial rate of return for fiscal 2006. During 2006, the fund earned \$25,864,610 of dividends, interest and other recurring income. In addition, the Fund had net realized and unrealized capital gains on investments of \$83,259,479. This was partially offset by \$4,354,147 of investment expense. The geometric mean of the market value rates of return measured over the last ten years was 6.7%.

The actuarial rate of return is presented for comparison to the assumed long-term rate of return of 7.5% used for the valuation. This rate is calculated based on the actuarial value of assets and all interest, dividends, and recognized capital gains as given in Exhibit VI. Investment income used to calculate this yield is based upon a smoothing of gains or losses over a five year period. Yields in excess of the 7.5% assumption will reduce future costs; yields below 7.5% will increase future costs. The geometric mean of this rate over the last ten years has been 6.0%. For fiscal 2006 the system experienced net actuarial investment earnings of \$30,569,026 more than the actuarial assumed earnings rate of 7.5%. This excess in earnings produced an actuarial gain, which decreased the interest-adjusted amortization payments on the system's UAL by \$3,340,090 or 2.26% of payroll, in fiscal 2007.

PLAN DEMOGRAPHICS AND LIABILITY EXPERIENCE

A reconciliation of the census for the system is given in Exhibit X. The system's active contributing membership was essentially stable during the fiscal year with a population increase of 2 members. The number of retirees and beneficiaries receiving benefits from the system increased by 43. The number of DROP participants increased by 8.

Over the last five years active membership has increased by 277 members; over the same period the number of retirees increased by 247. A review of the active census by age indicates that over the last ten years the population in the under-forty age group has decreased while the proportion of active members over forty increased. Over the same ten-year period the system showed a slight decrease in the percentage of members with service less than fifteen years and the corresponding increase in the

percentage of members with service over fifteen years. Although the changes in the makeup of the population along with changes in their salary increased the normal cost by \$1,492,060, the normal cost percentage decreased by 0.02% of payroll.

Plan liability experience for fiscal 2006 was slightly unfavorable. Salary increase rates at most durations were somewhat above projections. Actual retirements and DROP entries were slightly above projections. Both of these factors increased costs. Withdrawals significantly exceeded projections. Disabilities were slightly below projections. Actual retiree deaths were above projections. These factors tend to reduce costs. Plan liability losses totaled \$525,295. These losses increased the interest-adjusted amortization payments on the system's unfunded accrued liability by \$57,395, or 0.04% of payroll, in fiscal 2007. In addition to the general liability losses, an additional loss of \$12,495,729 was generated by a COLA granted in fiscal 2006. The interest-adjusted amortization payment for the COLA liability was \$1,365,332 or 0.92% of projected payroll.

FUNDING ANALYSIS AND RECOMMENDATIONS

Actuarial funding of a retirement system is a process whereby funds are accumulated over the working lifetimes of employees in such a manner as to have sufficient assets available at retirement to pay for the lifetime benefits accrued by each member of the system. The required contributions are determined by an actuarial valuation based on rates of mortality, termination, disability, and retirement, as well as investment return and other statistical measures specific to the particular group. Each year a determination is made of two cost components, and the actuarially required contributions are based on the sum of these two components plus administrative expenses. These two components are the normal cost and the amortization payments on the unfunded actuarial accrued liability. The normal cost refers to the annual cost for active members allocated to each year by the particular cost method utilized. The term unfunded accrued liability (UAL) refers to the excess of the present value of plan benefits over the sum of current assets and future normal costs. Each year the UAL grows with interest and is reduced by payments. In addition it may be increased or diminished by plan experience, changes in assumptions, or changes in benefits including COLA's. Contributions in excess of or less than the actuarially required amount can also decrease or increase the UAL balance. New entrants to the system can also increase or lower costs as a percent of payroll depending upon their demographic distribution. Finally, payroll growth affects plan costs since payments on the system's unfunded liability are on a fixed, level schedule. If payroll increases, these costs are reduced as a percentage of payroll.

In order to establish the actuarially required contribution in any given year, it is necessary to define the assumptions, funding method, and method of amortizing the UAL. Thus, the determination of what contribution is actuarially required depends upon the funding method and amortization schedules employed. Regardless of the method selected, the ultimate cost of providing benefits is dependent upon the benefits, expenses, and investment earnings. Only to the extent that some methods accumulate assets more rapidly and thus produce greater investment earnings does the funding method affect the ultimate cost.

An explanation of the change in costs related to asset and liability gains and losses as well as changes in demographics and assumptions is given in prior sections of the report. In addition to these components, variances in contribution levels and payroll also affect costs. For fiscal 2006 contributions totaled \$3,044,474 more than required; the interest-adjusted amortization payment on the contribution

surplus for fiscal 2006 is \$332,651 or 0.23% of payroll. In addition, for fiscal 2007 the net effect of the change in payroll on amortization costs was to reduce such costs by 0.51% of payroll.

A reconciliation in the change in costs is given below. Values listed in dollars are interest adjusted for payment throughout the fiscal year. Percentages are based on the projected payroll for fiscal 2007 except for those items labeled fiscal 2006.

	Dollars	Percentage of Payroll
Normal Cost for Fiscal 2006	\$ 33,965,240	24.04%
Cost of Demographic and Salary Changes	\$ 1,492,060	(0.02%)
Cost of Changes in Assumptions	<u>\$ (273,796)</u>	<u>(0.19%)</u>
Normal Cost Accrual Rate for Fiscal 2007	\$ 35,183,504	23.83%
UAL Payments for Fiscal 2006	\$ 16,901,410	11.96%
Change due to change in payroll	N/A	(0.51%)
Additional Amortization Expenses for Fiscal 2007:		
Assumption & Method Loss (Gain)	\$ 861,044	0.58%
Asset Loss (Gain)	\$ (3,340,090)	(2.26%)
Contribution Loss (Gain)	\$ (332,651)	(0.22%)
Liability Loss (Gain)	<u>\$ 1,422,727</u>	<u>0.96%</u>
Net Amortization Expense (Credit) for Fiscal 2007	\$ (1,388,970)	(0.94%)
Estimated Administrative Cost for Fiscal 2007	\$ 743,205	0.50%
Total Normal Cost & Amortization Payments	\$ 51,439,150	34.84%

The derivation of the actuarially required contribution for the current fiscal year is given in Exhibit I. The normal cost for fiscal 2007 as of July 1, 2006 is \$33,933,985. The amortization payments on the system's unfunded actuarial accrued liability as of July 1, 2006 total \$14,961,526. The total actuarially required contribution is determined by adjusting the sum of these two values for interest (since payments are made throughout the fiscal year) and adding estimated administrative expenses. As given in line 11 of Exhibit I the total actuarially required contribution for fiscal 2007 is \$51,439,150. We project that employee contributions will total \$11,810,487 for the fiscal year. This leaves \$39,628,663 to be funded from direct employer contributions and insurance premium taxes. We estimate insurance premium taxes of \$18,946,928 will be paid to the system in fiscal 2007. Hence, the total actuarially required net direct employer contribution for fiscal 2007 amounts to \$20,681,735, or 14.01% of payroll.

Since actual employer contributions for fiscal 2007 are 15.50% of payroll, we estimate the effect of the contribution surplus will be to reduce required contributions in fiscal 2008 by 0.16% of payroll. Since the statutes require rounding the net direct employer contributions rate to the nearest 0.25%, we recommend a net direct employer contribution rate of 13.75% for fiscal 2008.

COST OF LIVING INCREASES

During fiscal 2006 the actual cost of living (as measured by the US Department of Labor CPI-U) increased by 4.32%. Cost of living provisions for the system are detailed in R.S. 11:2260A(7) and

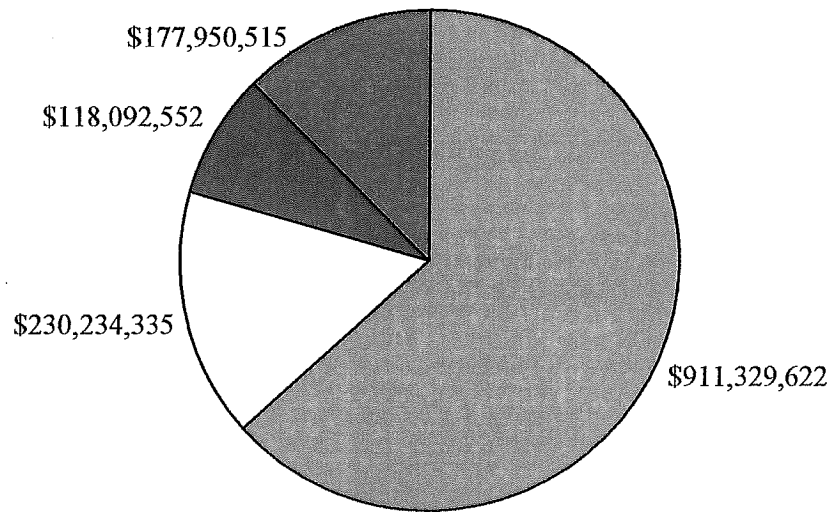
R.S. 11:246. The former statute allows the board to use interest earnings in excess of the normal requirements to grant annual cost of living increases of 3% of each retiree's current benefit. R.S. 11:246 provides cost of living increases to retirees and beneficiaries over the age of 65 equal to 2% of the benefit in payment on October 1, 1977, or the date the benefit was originally received if retirement commenced after that date. R.S. 11:241 provides that cost of living benefits shall be in the form (unless the board otherwise specifies) of $\$X \times (A+B)$ where X is at most \$1 and "A" represents the number of years of credited service accrued at retirement or at death of the member or retiree and "B" is equal to the number of years since retirement or since death of the member or retiree to June 30th of the initial year of such increase. The provisions of this subpart do not repeal provisions relative to cost of living adjustments contained within the individual laws governing systems; however, they are to be controlling in cases of conflict. All of the above provisions require that the system earn sufficient excess interest earnings to fund the increases. In addition, the ratio of the plan's assets to benefit obligations must meet the criteria established in R.S. 11:242. This section sets forth a minimum "target ratio" of the actuarial value of assets to the Pension Benefit Obligation. We have determined that for fiscal 2006 the plan has met the necessary target ratio and earned sufficient investment earnings to grant a cost of living increase. For fiscal 2006, the fund earned \$19,723,165 in excess investment earnings.

Below is a summary of available cost of living increases and their respective costs:

<u>COLA Description</u>	<u>Annual Increase in Benefits</u>	<u>Present Value Of Increase</u>	<u>Contribution Cost as a % of Payroll</u>
3% to all allowable pensioners	\$ 1,148,660	\$ 11,670,165	0.86%
2% to pensioners over age 65	\$ 204,695	\$ 1,751,330	0.13%

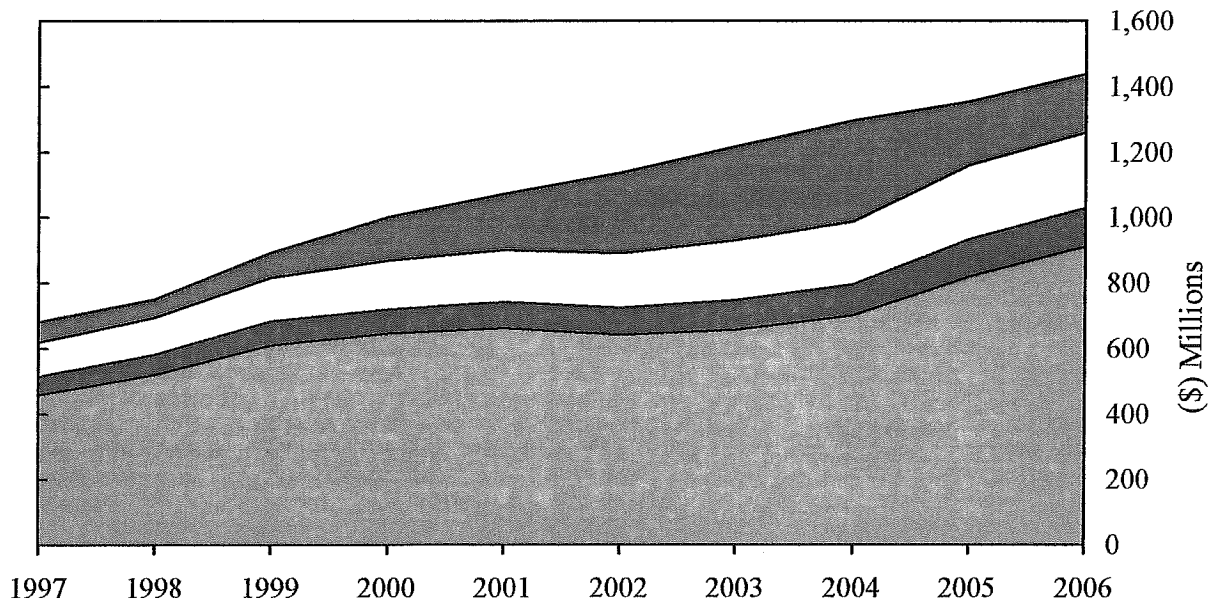
There is insufficient information available on the system's database to provide meaningful estimates of the costs associated with awarding the cost of living increase detailed in R.S. 11:241.

Components of Present Value of Future Benefits June 30, 2006



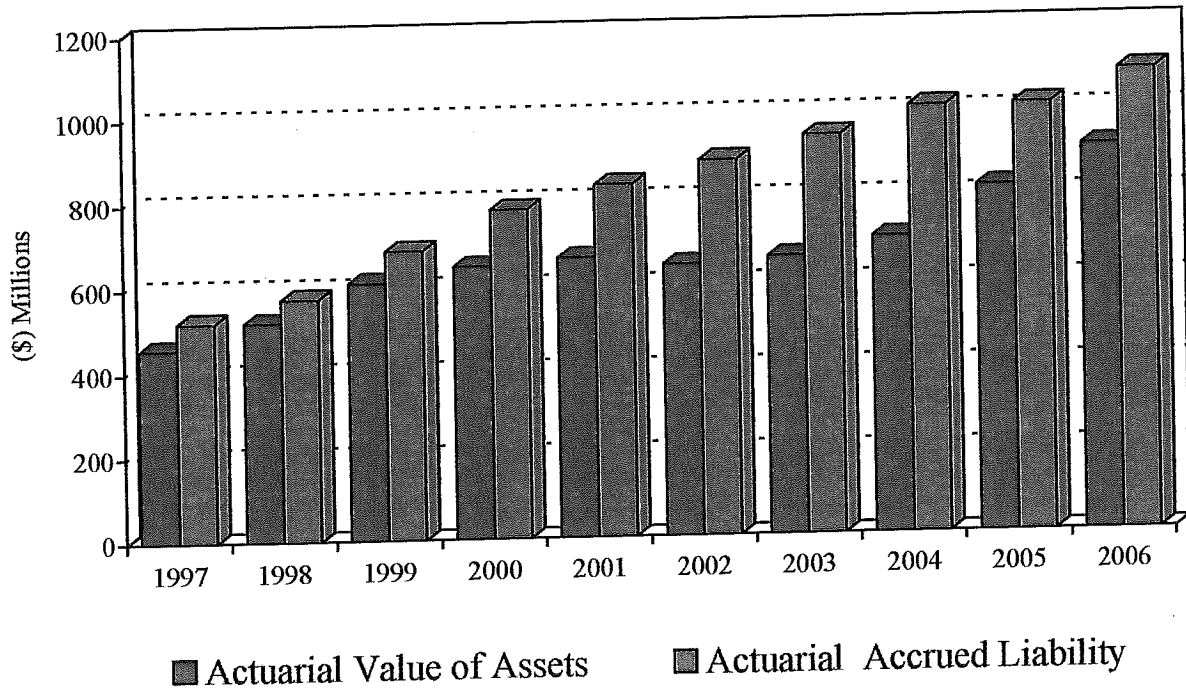
- Actuarial Value of Assets
- Present Value of Future Employer Normal Cost
- Present Value of Employee Contributions
- Unfunded Actuarial Accrued Liability

Components of Present Value of Future Benefits Historical

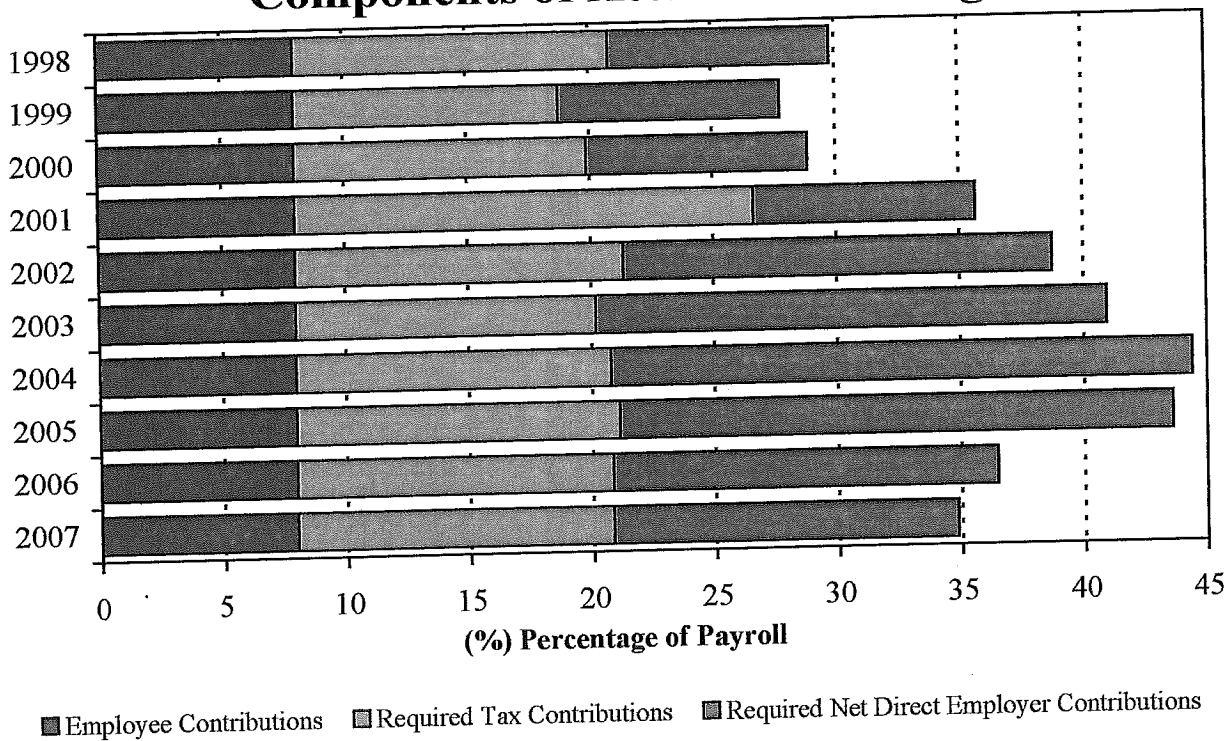


- Unfunded Accrued Liability
- Present Value of Future Employer Normal Cost
- Present Value of Future Employee Contributions
- Actuarial Value of Assets

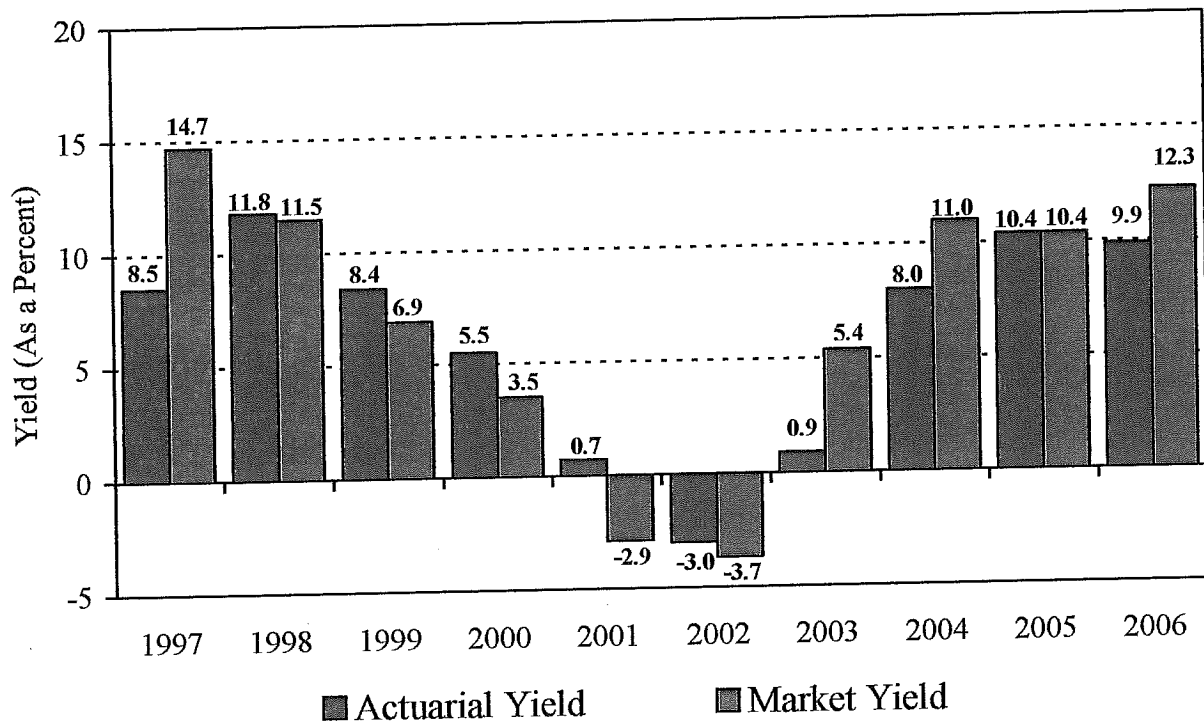
Actuarial Value of Assets vs. Actuarial Accrued Liability



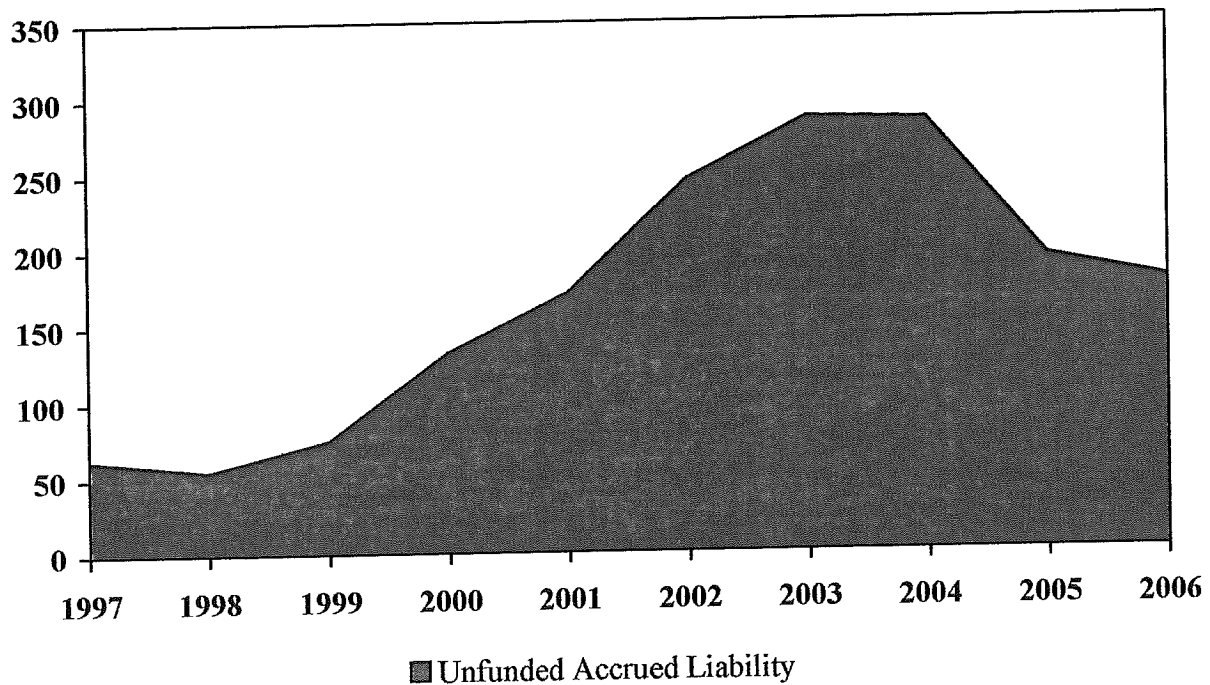
Components of Actuarial Funding



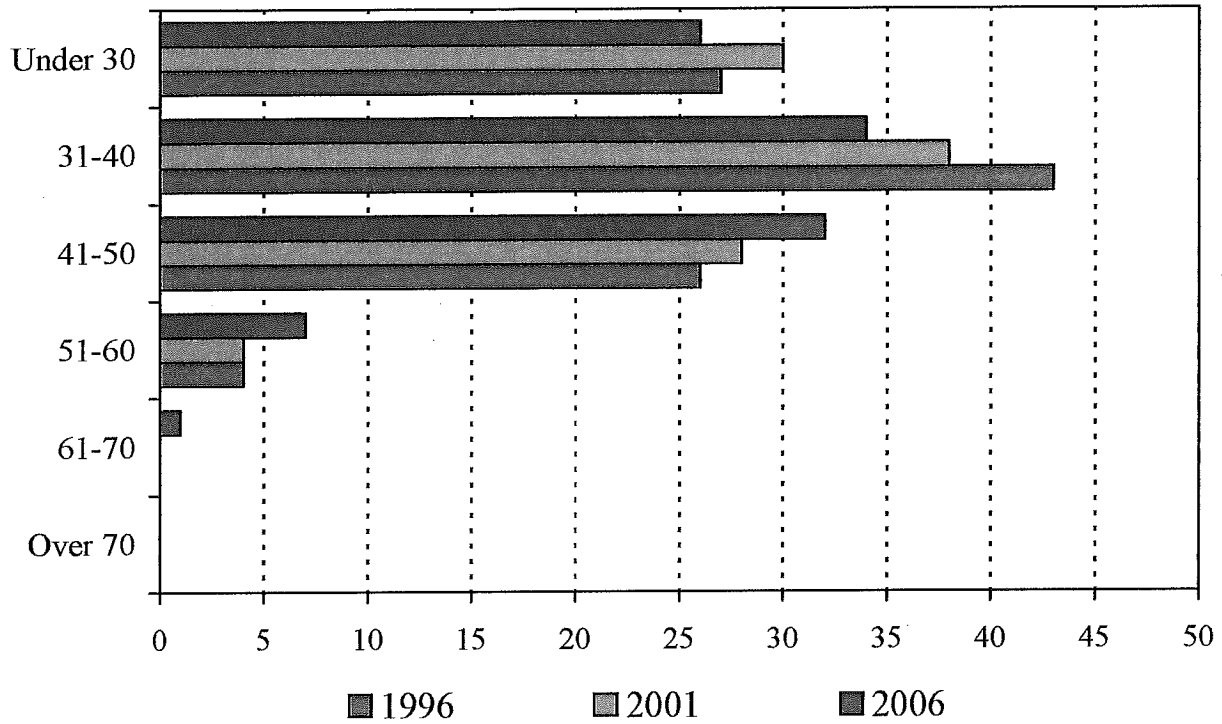
Historical Asset Yields



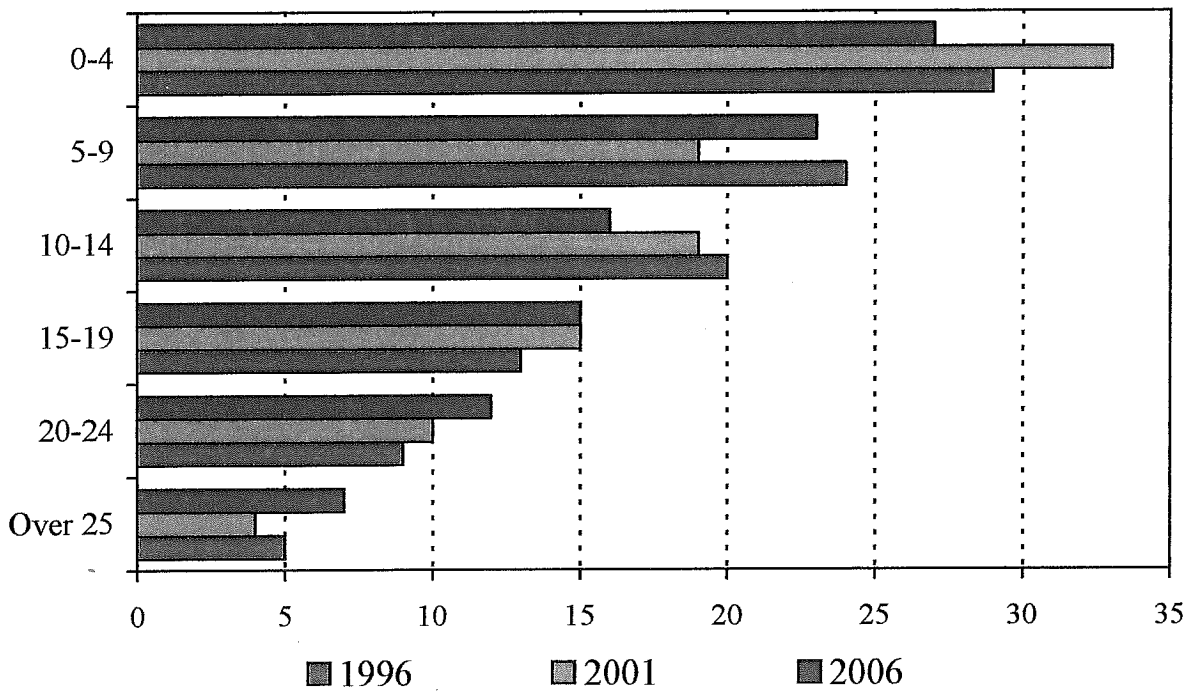
Unfunded Accrued Liability



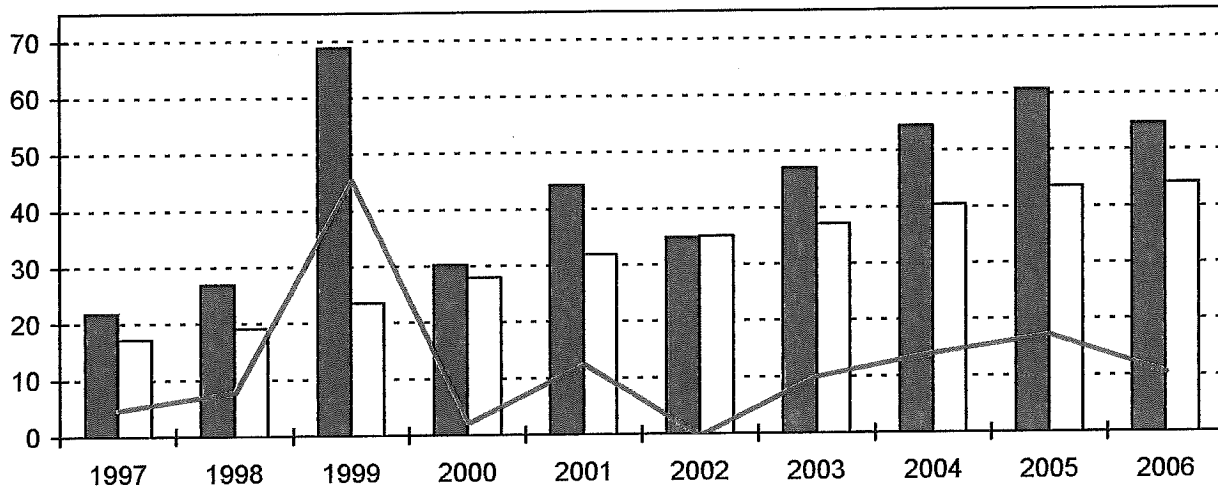
Active – Census By Age (as a percent)



Active – Census By Service (as a percent)

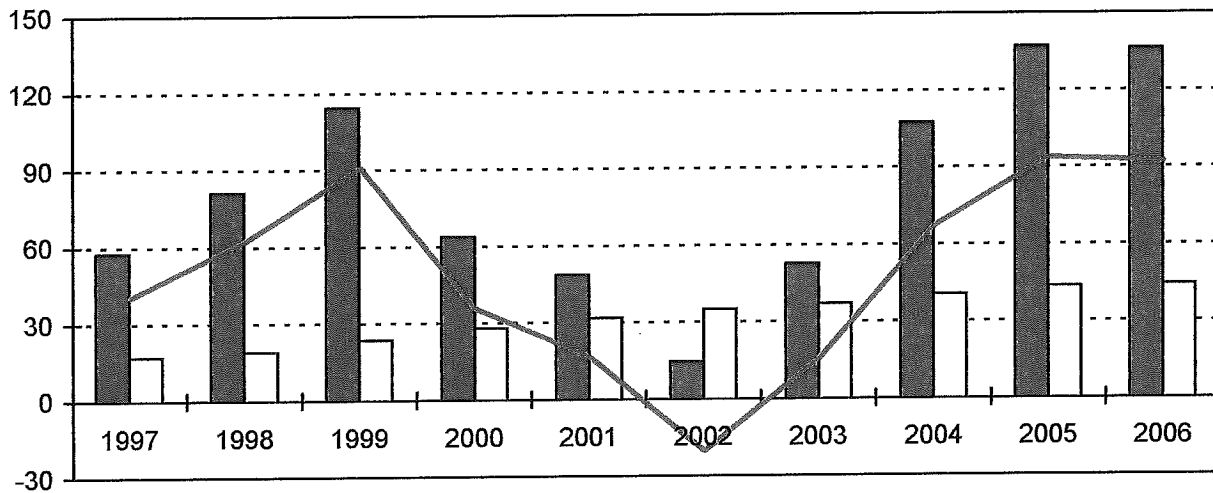


Net Non-Investment Income



		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Non-Investment Income (\$Mil)	■	21.9	27.0	68.9	30.2	44.3	34.9	47.1	54.4	60.8	54.7
Benefits and Expenses (\$Mil)	□	17.2	19.2	23.6	28.0	31.9	35.1	37.1	40.4	43.6	44.2
Net Non-Investment Income (\$Mil)	—	4.7	7.8	45.3	2.2	12.4	-0.2	10.0	14.4	17.2	10.5

Total Income vs. Expenses (Based on Actuarial Value of Assets)



		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Total Income (\$Mil)	■	57.7	81.4	114.5	63.8	48.7	14.7	52.6	107.6	137.2	136.3
Benefits and Expenses (\$Mil)	□	17.2	19.2	23.6	28.0	31.9	35.1	37.1	40.4	43.6	44.2
Net Change in AVA (\$Mil)	—	40.5	62.2	90.9	35.8	16.8	-20.4	15.5	67.2	93.6	92.1

EXHIBIT I
ANALYSIS OF ACTUARIALLY REQUIRED CONTRIBUTIONS

1. Normal Cost of Retirement Benefits.....	\$ 29,491,842
2. Normal Cost of Death Benefits.....	\$ 1,364,001
3. Normal Cost of Disability Benefits.....	\$ 1,050,426
4. Normal Cost of Deferred Retirement Benefits	\$ 1,019,166
5. Normal Cost of Contribution Refunds.....	\$ 1,008,550
6. TOTAL Normal Cost as of July 1, 2006 (1+2+3+4+5).....	\$ 33,933,985
7. Amortization of Unfunded Accrued Liability of \$177,950,515	\$ 14,961,526
8. TOTAL Normal Cost & Amortization Payments (6+7).....	\$ 48,895,511
9. Normal Cost and Amortization Payments Interest Adjusted for Midyear Payment	\$ 50,695,945
10. Estimated Administrative Cost for Fiscal 2007	\$ 743,205
11. TOTAL Administrative and Interest Adjusted Actuarial Costs (9+10).....	\$ 51,439,150
12. Projected Employee Contributions for Fiscal 2007	\$ 11,810,487
13. GROSS Employer Actuarially Required Contribution to be funded by direct employer contributions and Insurance Premium Taxes for Fiscal 2007 (11 - 12)	\$ 39,628,663
14. Expected Insurance Premium Taxes due in Fiscal 2007.....	\$ 18,946,928
15. Net Direct Actuarially Required Employer Contributions for Fiscal 2007 (13-14)	\$ 20,681,735
16. Projected Payroll For Contributing Members July 1, 2006 through June 30, 2007	\$147,631,087
17. Employer's Net Direct Actuarially Required Contribution as a % of Projected Payroll for Fiscal 2007 (15 ÷ 16)	14.01%
18. Actual Net Direct Employer Contribution Rate for Fiscal 2007.....	15.50%
19. Contribution Gain (Loss) as a Percentage of Payroll (18 – 17)	1.49%
20. Adjustment to Following Year Payment for Contribution Gain (Loss).....	0.16%
21. Recommended Net Direct Employer Contribution Rate for Fiscal 2008 (17 – 20) (Rounded to nearest 0.25%)	13.75%

EXHIBIT II
PRESENT VALUE OF FUTURE BENEFITS

Present Value of Future Benefits for Active Members:

Retirement Benefits.....	\$ 920,063,013
Survivor Benefits	23,055,078
Disability Benefits.....	15,302,007
Vested Deferred Termination Benefits	18,776,667
Contribution Refunds.....	6,554,172

TOTAL Present Value of Future Benefits for Active Members..... \$ 983,750,937

Present Value of Future Benefits for Terminated Members:

Terminated Vested Members Due Benefits at Retirement	\$ 7,395,364
Terminated Members with Reciprocal Due Benefits at Retirement.....	0
Terminated Members Due a Refund.....	783,293

TOTAL Present Value of Future Benefits for Terminated Members..... \$ 8,178,657

Present Value of Future Benefits for Retirees:

Regular Retirees.....	\$ 354,289,599
Disability Retirees	21,188,483
Survivors & Widows	30,081,644
Retiree DROP Account Balance.....	39,345,505
IBO Retirees' Account Balance.....	772,199

TOTAL Present Value of Future Benefits for Retirees & Survivors..... \$ 445,677,430

TOTAL Present Value of Future Benefits..... \$ 1,437,607,024

EXHIBIT III
ACTUARIAL VALUE OF ASSETS

Current Assets:

Cash & Cash Equivalents in Banks	\$ 4,511,903
Contributions Receivable from Members	993,304
Contributions Receivable from Employers.....	3,197,879
Accrued Interest on Investments	1,789,027
Prepaid Expenses	7,548

TOTAL CURRENT ASSETS \$ 10,499,661

Property, Plant and Equipment (Net of accumulated depreciation) \$ 1,770,724

Investments:

Common Stock	\$ 611,646,571
Alternative Investments	168,846,064
Corporate Bonds	98,425,110
U. S. Government Securities.....	58,477,024
Cash Equivalents.....	17,141,447
Adjustment for Deferral of Capital Losses (Gains)	(52,475,600)

TOTAL INVESTMENTS \$ 902,060,616

MERGER NOTES \$ 6,141,859

TOTAL ASSETS \$ 920,472,860

Current Liabilities:

Purchased Investments Payable	\$ 8,947,526
Accounts Payable.....	195,712

TOTAL CURRENT LIABILITIES \$ 9,143,238

ACTUARIAL VALUE OF ASSETS..... \$ 911,329,622

**EXHIBIT IV
PRESENT VALUE OF FUTURE CONTRIBUTIONS**

Employee Contributions to the Annuity Savings Fund	\$ 118,092,552
Employer Normal Contributions to the Pension Accumulation Fund.....	230,234,335
Employer Payments on the Unfunded Actuarial Accrued Liability	177,950,515
TOTAL PRESENT VALUE OF FUTURE CONTRIBUTIONS	\$ 526,277,402

**EXHIBIT V - SCHEDULE A
ACTUARIAL ACCRUED LIABILITIES**

LIABILITY FOR ACTIVE MEMBERS

Accrued Liability for Retirement Benefits.....	\$ 618,271,687
Accrued Liability for Survivor Benefits	8,816,310
Accrued Liability for Disability Benefits.....	4,301,310
Accrued Liability for Vested Termination Benefits.....	8,159,955
Accrued Liability for Refunds of Contributions	(4,125,212)
TOTAL Actuarial Accrued Liability for Active Members	\$ 635,424,050

LIABILITY FOR TERMINATED MEMBERS \$ 8,178,657

LIABILITY FOR RETIREES AND SURVIVORS \$ 445,677,430

TOTAL ACTUARIAL ACCRUED LIABILITY..... \$1,089,280,137

ACTUARIAL VALUE OF ASSETS..... \$ 911,329,622

UNFUNDED ACTUARIAL ACCRUED LIABILITY..... \$ 177,950,515

**EXHIBIT V - SCHEDULE B
CHANGE IN UNFUNDED ACTUARIAL ACCRUED LIABILITY**

Prior Year Unfunded Accrued Liability \$ 193,661,707

Interest on Unfunded Accrued Liability	\$ 14,524,628
Normal Cost for Prior Year	32,758,986
Interest on the Normal Cost.....	2,456,924
Normal Cost for Merged Systems with Accrued Interest.....	0
Administrative Expenses	707,493
Interest on Expenses	26,051
TOTAL Increases to Unfunded Accrued Liability	\$ 50,474,082

Required Contributions for Prior Year with interest	\$ 53,473,209
Contribution Excess (Shortfall) with accrued interest.....	3,044,473
Cost of Living Adjustment Gains (Losses)	(12,495,729)
Assumption & Method Change Gains (Losses)	(7,880,410)
Investment Gains (Losses).....	30,569,026
Liability Experience Gains (Losses).....	(525,295)
TOTAL Decreases to Unfunded Accrued Liability	\$ 66,185,274

CURRENT YEAR UNFUNDED ACCRUED LIABILITY \$ 177,950,515

EXHIBIT V - SCHEDULE C
AMORTIZATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY
JUNE 30, 2006

FISCAL YEAR	DESCRIPTION	AMORT. PERIOD	INITIAL BALANCE	YEARS REMAINING	REMAINING BALANCE	AMORT. PAYMENTS
1993	Merger Loss (Gain)	30	13,485,002	17	10,624,896	1,047,664
1995	Merger Loss (Gain)	30	41,779,611	19	34,844,987	3,254,713
1996	Merger Loss (Gain)	30	1,772,399	20	1,515,106	138,251
1997	Merger Loss (Gain)	30	890,324	21	778,395	69,533
1998	Merger Loss (Gain)	30	1,602,435	22	1,430,103	125,299
1999	Merger Loss (Gain)	30	14,104,876	23	12,827,506	1,104,183
2001	Merger Loss (Gain)	30	3,117,590	25	2,930,946	244,593
* 2002	Cumulative Non-Merger Bases	27	175,578,584	23	165,303,779	14,229,238
2003	Contribution Loss (Gain)	15	2,678,010	12	2,339,296	281,320
2003	Assumption Loss (Gain)	15	(3,248,077)	12	(2,837,260)	(341,205)
2003	Experience Loss (Gain)	15	44,477,780	12	38,852,239	4,672,310
2004	Contribution Loss (Gain)	15	2,129,874	13	1,957,590	224,102
2004	Experience Loss (Gain)	15	1,570,785	13	1,443,726	165,275
2005	Experience Loss (Gain)	15	(24,922,321)	14	(23,968,114)	(2,626,401)
2005	Assumption Loss (Gain)	15	(57,207,831)	14	(55,017,501)	(6,028,760)
2005	Contribution Loss (Gain)	15	(2,457,193)	14	(2,363,113)	(258,948)
2006	Experience Loss (Gain)	15	(17,548,002)	15	(17,548,002)	(1,849,269)
2006	Assumption Loss (Gain)	15	7,880,410	15	7,880,410	830,465
2006	Contribution Loss (Gain)	15	(3,044,474)	15	(3,044,474)	(320,837)
TOTAL Unfunded Actuarial Accrued Liability					\$ 177,950,515	
TOTAL Fiscal 2007 Amortization Payments						\$14,961,526

* Under the provisions of Act 620 of the 2003 Regular Legislative Session, all non-merger bases established on or before June 30, 2002 were combined, offset, and re-amortized through June 30, 2029.

EXHIBIT VI
ANALYSIS OF INCREASE IN ASSETS

Actuarial Value of Assets (June 30, 2005)		\$ 819,240,156
Income:		
Regular Member Contributions	\$ 11,055,677	
Regular Employer Contributions	25,257,458	
Insurance Premium Taxes	18,197,358	
Irregular Contributions	212,042	
TOTAL CONTRIBUTIONS		\$ 54,722,535
Interest and Dividends	25,159,379	
Rent Income	28,391	
Net Appreciation of Fair Value of Investments	83,259,479	
Merger Interest	462,735	
Securities Lending	214,105	
Investment Expenses	(4,354,147)	
Adjustment for Actuarial Smoothing	(23,215,832)	
TOTAL INVESTMENT INCOME		\$ 81,554,110
TOTAL Income		\$ 136,276,645
Expenses:		
Retirement and Survivor Benefits	\$ 35,214,529	
DROP Disbursements	4,295,428	
Disability Benefits	2,982,855	
Refunds of Contributions	840,612	
Administrative Expenses	707,493	
Funds Transferred to Another System	146,262	
TOTAL Expenses		\$ 44,187,179
Net Income for Fiscal 2006 (Income - Expenses)		\$ 92,089,466
Actuarial Value of Assets (June 30, 2006)		\$ 911,329,622

**EXHIBIT VII
FUND BALANCE**

Present Assets of the System Creditable to:

Annuity Savings Fund	\$ 98,237,619
Annuity Reserve Fund	405,559,726
Pension Accumulation Fund.....	408,304,774
Deferred Retirement Option Plan Account	50,930,904
Initial Benefit Option Plan Account	772,199
NET MARKET VALUE OF ASSETS.....	\$ 963,805,222
ADJUSTMENT FOR ACTUARIAL SMOOTHING	(52,475,600)
NET ACTUARIAL VALUE OF ASSETS	\$ 911,329,622

**EXHIBIT VIII
PENSION BENEFIT OBLIGATION**

Present Value of Credited Projected Payable to Current Employees	\$ 601,442,050
Present Value of Benefits Payable to Terminated Employees	8,178,657
Present Value of Benefits Payable to Current Retirees and Beneficiaries	445,677,430
TOTAL PENSION BENEFIT OBLIGATION	\$ 1,055,298,137

EXHIBIT IX
COST OF LIVING ADJUSTMENTS - TARGET RATIO

Actuarial Value of Assets Divided by PBO as of Fiscal 1986:		99.35%
Amortization of Unfunded Balance over 30 years:		0.43%
Adjustments in Funded Ratio Due to Mergers or Changes in Assumption(s):		
Changes for Fiscal 1987	(0.72%)	
Changes for Fiscal 1988	(3.24%)	
Changes for Fiscal 1989	(3.80%)	
Changes for Fiscal 1992	1.34%	
Changes for Fiscal 1993	(1.25%)	
Changes for Fiscal 1994	(0.03%)	
Changes for Fiscal 1995	(1.73%)	
Changes for Fiscal 1996	(16.29%)	
Changes for Fiscal 1997	(3.65%)	
Changes for Fiscal 1998	(0.27%)	
Changes for Fiscal 1999	(0.97%)	
Changes for Fiscal 2000	(2.97%)	
Changes for Fiscal 2001	(0.23%)	
Changes for Fiscal 2003	0.45%	
Changes for Fiscal 2005	4.16%	
Changes for Fiscal 2006	(0.71%)	
TOTAL Adjustments		(29.91%)
Amortization of Adjustments in Funded Ratio over 30 years:		
Changes for Fiscal 1987	0.46%	
Changes for Fiscal 1988	1.94%	
Changes for Fiscal 1989	2.15%	
Changes for Fiscal 1992	(0.63%)	
Changes for Fiscal 1993	0.54%	
Changes for Fiscal 1994	0.01%	
Changes for Fiscal 1995	0.63%	
Changes for Fiscal 1996	5.43%	
Changes for Fiscal 1997	1.09%	
Changes for Fiscal 1998	0.07%	
Changes for Fiscal 1999	0.23%	
Changes for Fiscal 2000	0.59%	
Changes for Fiscal 2001	0.04%	
Changes for Fiscal 2003	(0.05%)	
Changes for Fiscal 2005	(0.14%)	
Changes for Fiscal 2006	0.00%	
TOTAL Amortization of Adjustments		12.36%
Target Ratio for Current Fiscal Year		82.23%
Actuarial Value of Assets Divided by PBO as of Fiscal 2006		86.36%

**EXHIBIT X
CENSUS DATA**

	Active	Terminated with Funds on Deposit	DROP	Retired	Total
Number of members as of June 30, 2005	3,532	234	103	1,434	5,303
Additions to Census					
Initial membership	226	24			250
Death of another member	(2)		(1)	3	
Omitted in error last year				1	1
Change in Status during Year					
Actives terminating service	(79)	79			
Actives who retired	(37)			37	
Actives entering DROP	(41)		41		
Term. members rehired	8	(8)			
Term. members who retire		(2)		2	
Retirees who are rehired	1			(1)	
Refunded who are rehired	5	3			8
DROP participants retiring			(28)	28	
DROP returned to work	4		(4)		
Omitted in error last year					
Eliminated from Census					
Refund of contributions	(77)	(29)			(106)
Deaths	(3)			(13)	(16)
Included in error last year	(2)				(2)
Adjustment for multiple records	(1)				(1)
Suspended Benefits				(14)	(14)
Number of members as of June 30, 2006	3,534	301	111	1,477	5,423

ACTIVES CENSUS BY AGE:

Age	Number Male	Number Female	Total Number	Average Salary	Total Salary
16 - 20	28	1	29	21,570	625,539
21 - 25	318	15	333	26,510	8,827,840
26 - 30	559	22	581	30,960	17,987,704
31 - 35	596	31	627	35,510	22,264,917
36 - 40	553	26	579	40,042	23,184,397
41 - 45	595	32	627	45,375	28,450,049
46 - 50	464	32	496	50,676	25,135,190
51 - 55	186	11	197	51,828	10,210,040
56 - 60	46	3	49	54,811	2,685,738
61 - 65	12	1	13	49,584	644,591
66 - 70	3	0	3	53,245	159,735
TOTAL	3,360	174	3,534	39,665	140,175,740

THE ACTIVE CENSUS INCLUDES 1600 ACTIVES WITH VESTED BENEFITS, INCLUDING 39 ACTIVE FORMER DROP PARTICIPANTS. THE 111 CURRENT DROP PARTICIPANTS ARE EXCLUDED.

DROP PARTICIPANTS

Age	Number Male	Number Female	Total Number	Average Benefit	Total Benefit
41 - 45	2	1	3	46,298	138,893
46 - 50	33	2	35	49,453	1,730,856
51 - 55	50	0	50	45,390	2,269,498
56 - 60	21	0	21	44,545	935,446
61 - 65	2	0	2	48,144	96,288
TOTAL	108	3	111	46,585	5,170,981

TERMINATED MEMBERS DUE A DEFERRED RETIREMENT BENEFIT:

Age	Number Male	Number Female	Total Number	Average Benefit	Total Benefit
31 - 35	1	0	1	14,779	14,779
36 - 40	11	1	12	20,228	242,732
41 - 45	17	2	19	20,730	393,877
46 - 50	16	0	16	23,982	383,711
51 - 55	2	1	3	20,940	62,820
56 - 60	0	1	1	24,196	24,196
TOTAL	47	5	52	21,579	1,122,115

TERMINATED MEMBERS DUE A REFUND OF CONTRIBUTIONS:

Contributions Ranging		Number	Total Contributions
From	To		
0	- 99	36	1,613
100	- 499	66	18,033
500	- 999	21	14,702
1000	- 1999	32	45,374
2000	- 4999	43	138,087
5000	- 9999	26	187,132
10000	- 19999	22	289,118
20000	- 99999	3	89,234
TOTAL		249	783,293

REGULAR RETIREES:

Age	Number Male	Number Female	Total Number	Average Benefit	Total Benefit
41 - 45	1	0	1	36,393	36,393
46 - 50	41	1	42	36,770	1,544,357
51 - 55	153	5	158	37,806	5,973,391
56 - 60	293	3	296	34,439	10,193,996
61 - 65	189	3	192	32,184	6,179,377
66 - 70	163	2	165	29,480	4,864,180
71 - 75	91	0	91	24,628	2,241,118
76 - 80	93	0	93	22,891	2,128,893
81 - 85	38	0	38	21,428	814,260
86 - 90	3	0	3	16,574	49,722
91 - 99	3	0	3	20,944	62,832
TOTAL	1,068	14	1,082	31,505	34,088,519

DISABILITY RETIREES:

Age	Number Male	Number Female	Total Number	Average Benefit	Total Benefit
26 - 30	1	0	1	13,487	13,487
31 - 35	1	0	1	7,490	7,490
36 - 40	7	0	7	13,283	92,984
41 - 45	10	3	13	22,276	289,586
46 - 50	19	3	22	18,041	396,910
51 - 55	29	1	30	17,968	539,049
56 - 60	17	1	18	19,271	346,882
61 - 65	15	0	15	14,753	221,302
66 - 70	10	0	10	10,798	107,978
71 - 75	9	0	9	12,485	112,366
76 - 80	2	0	2	8,136	16,271
TOTAL	120	8	128	16,752	2,144,305

SURVIVORS:

Age	Number Male	Number Female	Total Number	Average Benefit	Total Benefit
0 - 25	7	6	13	5,563	72,320
31 - 35	0	3	3	10,205	30,615
36 - 40	0	2	2	6,877	13,754
41 - 45	0	5	5	14,403	72,017
46 - 50	0	9	9	19,065	171,587
51 - 55	1	18	19	19,978	379,585
56 - 60	1	21	22	12,485	274,667
61 - 65	1	12	13	12,168	158,186
66 - 70	0	34	34	16,790	570,868
71 - 75	0	39	39	13,072	509,823
76 - 80	1	56	57	11,891	677,769
81 - 85	0	23	23	11,237	258,443
86 - 90	0	21	21	8,847	185,785
91 - 99	0	7	7	5,911	41,376
TOTAL	11	256	267	12,797	3,416,795

ACTIVE MEMBERS:

Attained Ages	Completed Years of Service											Total	
	0	1	2	3	4	5- 9	10-14	15-19	20-24	25-29	30&Over		
0 - 20	24	5											29
21 - 25	95	82	70	33	39	14							333
26 - 30	62	71	72	47	58	261	10						581
31 - 35	22	41	37	23	41	286	167	10					627
36 - 40	10	14	20	11	19	128	211	156	10				579
41 - 45	13	6	8	11	5	75	98	197	198	16			627
46 - 50	4	5	9	5	3	33	36	128	175	97	1		496
51 - 55			1	2	1	15	18	43	37	58	22		197
56 - 60						1	12		5	12	19		49
61 - 65						2	2	3		1	5		13
66 - 70									1	1	1		3
71 & Over													0
Totals	230	224	217	132	166	815	554	537	426	185	48		3534

AVERAGE ANNUAL SALARY OF ACTIVE MEMBERS:

Attained Ages	Completed Years of Service											Average Salary	
	0	1	2	3	4	5- 9	10-14	15-19	20-24	25-29	30&Over		
0 - 20	21,682	21,033											21,570
21 - 25	21,673	26,668	28,085	29,671	30,425	32,180							26,510
26 - 30	22,214	25,118	28,916	29,854	30,541	34,981	44,053						30,960
31 - 35	24,683	24,909	30,011	32,163	31,627	35,680	41,358	44,236					35,510
36 - 40	22,182	29,452	29,466	32,078	30,113	37,079	41,397	44,979	53,838				40,042
41 - 45	25,805	28,140	31,309	33,257	30,704	37,019	41,644	45,791	52,344	58,336			45,375
46 - 50	22,337	30,462	32,708	33,942	55,802	37,871	43,852	46,502	54,846	59,979	65,200		50,676
51 - 55			49,647	28,131	31,754	39,417	40,229	47,323	51,066	60,312	60,661		51,828
56 - 60						36,900	38,991		36,533	58,756	68,063		54,811
61 - 65						46,806	41,886	42,050		41,233	59,965		49,584
66 - 70									54,890	44,024	60,821		53,245
71 & Over													0
Average	22,375	26,027	29,227	30,808	31,202	35,926	41,548	45,797	53,117	59,675	63,617		39,665

TERMINATED MEMBERS DUE A DEFERRED RETIREMENT BENEFIT:

Attained Ages	Years Until Retirement Eligibility											Total
	0	1	2	3	4	5- 9	10-14	15-19	20-24	25-29	30&Over	
0 - 30												0
31 - 35									1			1
36 - 40								12				12
41 - 45						3	16					19
46 - 50	4		3	3		6						16
51 - 55			2		1							3
56 - 60	1											1
61 & Over												0
Totals	5	0	5	3	1	9	16	12	1	0	0	52

AVERAGE ANNUAL BENEFITS OF TERMINATED MEMBERS DUE A DEFERRED RETIREMENT BENEFIT:

Attained Ages	Years Until Retirement Eligibility											Average Benefit
	0	1	2	3	4	5- 9	10-14	15-19	20-24	25-29	30&Over	
0 - 30												0
31 - 35									14,779			14,779
36 - 40								20,228				20,228
41 - 45						29,939	19,004					20,730
46 - 50	26,847		27,753	32,550		15,903						23,982
51 - 55			19,741		23,337							20,940
56 - 60	24,196											24,196
61 & Over												0
Average	26,317	0	24,548	32,550	23,337	20,581	19,004	20,228	14,779	0	0	21,579

SERVICE RETIREES:

Attained Ages	Completed Years Since Retirement											Total
	0	1	2	3	4	5- 9	10-14	15-19	20-24	25-29	30&Over	
0 - 50	14	13	8	4	3	1						43
51 - 55	28	22	30	19	24	29	6					158
56 - 60	12	25	23	26	25	145	27	10	2	1		296
61 - 65	4	4	7	7	8	66	65	18	13			192
66 - 70	2	1	5	1	2	31	45	41	22	13	2	165
71 - 75			1			4	8	24	25	15	14	91
76 - 80						5	3	22	18	16	29	93
81 - 85						2		3	10	8	15	38
86 - 90							1		1		1	3
91 & Over									2		1	3
Totals	60	65	74	57	62	283	155	118	93	53	62	1082

AVERAGE ANNUAL BENEFITS PAYABLE TO SERVICE RETIREES:

Attained Ages	Completed Years Since Retirement											Average Benefit
	0	1	2	3	4	5- 9	10-14	15-19	20-24	25-29	30&Over	
0 - 50	37,774	39,394	33,282	40,011	28,675	27,458						36,762
51 - 55	40,777	39,951	40,424	43,982	32,718	33,499	24,610					37,806
56 - 60	33,838	37,143	34,541	40,482	35,721	34,879	28,022	25,008	19,493	16,272		34,439
61 - 65	20,498	48,480	34,167	34,141	32,572	36,290	32,096	22,219	21,801			32,184
66 - 70	40,560	33,276	38,889	30,585	29,082	32,025	35,717	29,182	19,115	15,528	23,820	29,480
71 - 75			16,494			35,932	31,846	33,486	23,524	15,810	14,087	24,628
76 - 80						21,853	29,433	34,606	28,233	17,804	12,998	22,891
81 - 85						29,138		37,470	27,984	21,861	12,589	21,428
86 - 90							13,851		27,512		8,360	16,574
91 & Over									23,856		15,120	20,944
Average	37,329	39,182	36,804	40,663	33,597	34,472	31,966	29,864	23,594	17,265	13,454	31,505

DISABILITY RETIREES:

Attained Ages	Completed Years Since Retirement											Total
	0	1	2	3	4	5- 9	10-14	15-19	20-24	25-29	30&Over	
0 - 30				1								1
31 - 35				1								1
36 - 40		2		1	1	2	1					7
41 - 45	3	3		1	2	3	1					13
46 - 50	3	2	1	2	2	5	4	3				22
51 - 55		1	2	1		6	6	8	5	1		30
56 - 60			2			3	5	5	3			18
61 - 65						5	1	3	4	1	1	15
66 - 70						2			1	5	2	10
71 - 75							1	2	1	2	3	9
76 - 80						1				1		2
81 & Over												0
Totals	6	8	5	7	5	27	19	21	14	10	6	128

AVERAGE ANNUAL BENEFITS PAYABLE TO DISABILITY RETIREES:

Attained Ages	Completed Years Since Retirement											Average Benefit
	0	1	2	3	4	5- 9	10-14	15-19	20-24	25-29	30&Over	
0 - 30				13,487								13,487
31 - 35				7,490								7,490
36 - 40		10,707		24,320	5,808	14,713	12,015					13,283
41 - 45	24,566	34,302		20,596	16,520	15,133	13,949					22,276
46 - 50	24,173	26,054	22,274	24,330	23,025	11,220	14,194	14,141				18,041
51 - 55		23,727	28,234	14,757		17,655	16,638	16,285	20,397	6,075		17,968
56 - 60			12,864			25,394	18,002	21,946	15,078			19,271
61 - 65						11,867	15,923	18,544	19,263	9,245	4,113	14,753
66 - 70						7,992			18,432	12,610	5,256	10,798
71 - 75							29,248	12,849	11,615	16,177	4,483	12,485
76 - 80						4,481				11,790		8,136
81 & Over												0
Average	24,369	25,019	20,894	18,473	16,980	14,550	16,724	17,322	18,166	12,251	4,679	16,752

SURVIVING BENEFICIARIES OF FORMER MEMBERS:

Attained Ages	Completed Years Since Retirement											Total
	0	1	2	3	4	5- 9	10-14	15-19	20-24	25-29	30&Over	
0 - 20		1				4	6					11
21 - 25						1	1					2
26 - 30												0
31 - 35				1		1	1					3
36 - 40						1	1					2
41 - 45						2	3					5
46 - 50	2		1			2	1	1	2			9
51 - 55		2	1	1	1	4	4	3	3			19
56 - 60	1		1	1		5	8	2	1	3		22
61 - 65				1		2	2	1	3	3	1	13
66 - 70						6	2	8	2	8	8	34
71 - 75						4	2	4	8	9	12	39
76 - 80						1	3	3	14	13	23	57
81 - 85						1	1	3	3	7	8	23
86 - 90						2		1	4	3	11	21
91 & Over						1		1			5	7
Totals	3	3	3	4	1	37	35	27	40	46	68	267

AVERAGE ANNUAL BENEFITS PAYABLE TO SURVIVORS OF FORMER MEMBERS:

Attained Ages	Completed Years Since Retirement											Average Benefit
	0	1	2	3	4	5- 9	10-14	15-19	20-24	25-29	30&Over	
0 - 20		16,668				5,029	3,371					5,183
21 - 25						2,984	12,327					7,655
26 - 30												0
31 - 35				12,421		8,225	9,968					10,205
36 - 40						2,472	11,282					6,877
41 - 45						19,742	10,844					14,403
46 - 50	18,032		38,559			13,309	23,139	30,002	8,602			19,065
51 - 55		22,243	14,689	12,483		22,535	26,713	21,875	15,105			19,978
56 - 60	14,112		14,592			15,959	11,674	15,033	23,840	6,289		12,485
61 - 65				9,902		24,805	24,216	2,472	6,209	8,867	2,543	12,168
66 - 70						10,691	53,327	27,404	11,636	10,449	9,246	16,790
71 - 75						17,901	27,341	14,778	19,764	9,937	6,407	13,072
76 - 80						2,520	15,068	14,434	16,982	11,204	8,841	11,891
81 - 85						2,520	4,363	22,570	15,769	11,670	6,857	11,237
86 - 90						2,443		13,823	12,556	6,401	8,877	8,847
91 & Over						2,520		12,260			5,319	5,911
Average	16,725	20,384	22,614	8,702	0	12,639	16,259	20,133	15,541	10,109	7,880	12,797

**EXHIBIT XI
YEAR-TO-YEAR COMPARISON**

	Fiscal 2006	Fiscal 2005	Fiscal 2004	Fiscal 2003
Number of Active Contributing Members	3,534	3,532	3,431	3,360
Number of Retirees & Survivors	1,477	1,434	1,379	1,315
DROP Participants	111	103	114	120
Number Terminated Due Deferred Benefits	52	45	42	36
Number of Terminated Due Refund	249	189	181	143
Active Lives Payroll (excludes DROP participants)	\$ 140,175,740	\$ 134,313,739	\$ 128,144,746	\$ 121,012,780
Retiree Benefits in Payment	\$ 39,649,619	\$ 36,510,489	\$ 34,076,169	\$ 31,542,638
Market Value of Assets	\$ 963,805,222	\$ 848,499,924	\$ 752,274,788	\$ 664,570,797
Ratio of Actuarial Value of Assets to Actuarial Accrued Liability	83.66%	80.88%	71.84%	69.69%
Actuarial Accrued Liability	\$1,089,280,137	\$1,012,901,863	\$1,010,016,864	\$ 944,688,430
Actuarial Value of Assets	\$ 911,329,622	\$ 819,240,156	\$ 725,615,787	\$ 658,376,086
UAL (Funding Excess)	\$ 177,950,515	\$ 193,661,707	\$ 284,401,078	\$ 286,312,344
P.V. of Future Employer Normal Contributions	\$ 230,234,335	\$ 226,307,495	\$ 192,151,099	\$ 182,925,316
P.V. of Future Employee Contributions	\$ 118,092,552	\$ 114,703,708	\$ 94,736,659	\$ 90,145,420
Present Value of Future Benefits	\$1,437,607,024	\$1,353,913,066	\$1,296,904,623	\$1,217,759,166

	Fiscal 2007	Fiscal 2006	Fiscal 2005	Fiscal 2004
Employee Contribution Rate	8.00%	8.00%	8.00%	8.00%
Required Tax Contributions as a Percentage of Projected Payroll	12.83%	12.82%	13.11%	12.77%
Actuarially Required Employer Contribution As a Percentage of Projected Payroll	14.01%	15.66%	22.51%	23.64%
Actual Employer Contribution Rate	15.50%	18.00%	24.00%	21.00%

Fiscal 2002	Fiscal 2001	Fiscal 2000	Fiscal 1999	Fiscal 1998	Fiscal 1997
3,322	3,257	3,098	2,966	2,567	2,423
1,278	1,230	1,155	1,093	915	870
145	156	155	144	139	128
30	25	18	20	20	21
133	118	95	73	45	45
\$ 114,422,827	\$ 107,667,223	\$ 100,504,497	\$ 92,758,784	\$ 79,171,364	\$ 72,865,349
\$ 29,610,698	\$ 27,934,986	\$ 25,932,694	\$ 23,085,435	\$ 18,177,220	\$ 16,055,531
\$ 620,860,572	\$ 641,929,807	\$ 645,641,501	\$ 621,030,022	\$ 536,826,709	\$ 475,344,743
72.33%	79.45%	82.95%	89.04%	90.44%	87.96%
\$ 888,963,640	\$ 834,986,462	\$ 779,541,318	\$ 686,029,152	\$ 574,884,182	\$ 520,367,341
\$ 642,947,201	\$ 663,377,250	\$ 646,609,069	\$ 610,870,354	\$ 519,924,527	\$ 457,733,340
\$ 246,016,439	\$ 171,609,212	\$ 132,932,249	\$ 75,158,798	\$ 54,959,655	\$ 62,634,001
\$ 166,298,912	\$ 159,311,329	\$ 149,049,128	\$ 133,929,737	\$ 114,269,278	\$ 104,451,558
\$ 82,398,183	\$ 79,024,405	\$ 73,957,562	\$ 73,159,070	\$ 62,144,411	\$ 56,921,165
\$1,137,660,735	\$1,073,322,196	\$1,002,548,008	\$ 893,117,959	\$ 751,297,871	\$ 681,740,064

Fiscal 2003	Fiscal 2002	Fiscal 2001	Fiscal 2000	Fiscal 1999	Fiscal 1998
8.00%	8.00%	8.00%	8.00%	8.00%	8.00%
12.17%	13.31%	18.64%	11.86%	10.76%	12.80%
20.78%	17.44%	9.00%	9.00%	9.00%	9.00%
18.25%	9.00%	9.00%	9.00%	9.00%	9.00%

SUMMARY OF PRINCIPAL PLAN PROVISIONS

The Firefighters' Retirement System was established as of January 1, 1980, for the purpose of providing retirement allowances and other benefits as described under R.S. 11:2256 - 11:2259. The following summary of plan provisions is for general informational purposes only and does not constitute a guarantee of benefits.

MEMBERSHIP - All full time firefighters or any person in a position as defined in the municipal fire and police civil service system who is employed by a fire department of any municipality, parish, or fire protection district of the State of Louisiana, except Orleans, and East Baton Rouge Parishes, who earns at least three hundred seventy-five dollars per month excluding state supplemental pay are required to be members of this retirement system. Employees of the system are eligible, at their option to become members of the system. Persons must be under the age of fifty to be eligible for system membership unless they become members through merger.

CONTRIBUTION RATES - The fund is financed by employee and employer contributions together with funds from dedicated insurance premium taxes as allocated by the Public Retirement Systems' Actuarial Committee in accordance with RS 22:1419A(3). Employee contributions are eight percent (8%) of earnable compensation. Net direct employer contributions are nine percent (9%) of earnable compensation unless the funds allocated from dedicated taxes are insufficient to provide the actuarially required contributions or the actuarially required contributions are less than 9%.

CONTRIBUTION REFUNDS - Upon withdrawal from service, members not entitled to a retirement allowance may receive a refund of accumulated contributions. Refunds are payable ninety days after the effective date of withdrawal from service.

RETIREMENT BENEFITS - Members with twelve years of creditable service may retire at age fifty-five; members with twenty years of service may retire at age fifty; members with twenty-five years of service may retire regardless of age, provided that they have been a member of this system for at least one year. The retirement allowance is equal to three and one-third percent of the member's average final compensation multiplied by his years of creditable service, not to exceed one hundred percent of his average final compensation.

OPTIONAL ALLOWANCES - Members may receive their benefits as a life annuity, or in lieu of such receive a reduced benefit according to the option selected which is the actuarial equivalent of the maximum benefit.

Option 1 - If the member dies before he has received in annuity payments the present value of his member's annuity as it was at the time of retirement the balance is paid to his beneficiary.

Option 2 - Upon retirement, the member receives a reduced benefit. Upon the member's death, the designated beneficiary will continue to receive the same reduced benefit.

Option 3 - Upon retirement, the member receives a reduced benefit. Upon the member's death, the designated beneficiary will receive one-half of the member's reduced benefit.

Option 4 - Upon retirement, the member elects to receive a board approved benefit which is actuarially equivalent to the maximum benefit.

Initial Benefit Option – This option is available only to regular retirees who have not participated in the Deferred Retirement Option Plan. Under this option members may receive an initial benefit plus a reduced monthly retirement allowance which, when combined, equal the actuarially equivalent amount of the maximum retirement allowance. The initial benefit may not exceed an amount equal to thirty-six payments of the member's maximum retirement allowance. The initial benefit can be paid either as a lump-sum payment or placed in an account called an "initial benefit account" with interest credited thereto and monthly payments made from the account.

DISABILITY BENEFITS - Any member who has been officially certified as totally disabled solely as the result of injuries sustained in the performance of his official duties, or for any cause, provided the member has a least five years of creditable service and provided that the disability was incurred while the member was an active contributing member, is entitled to disability benefits. Any member under the age of fifty who becomes totally disabled will receive a disability benefit equal to 60% of final compensation for an injury received in the line of duty; or 75% of his accrued retirement benefit with a minimum of 25% of average salary for any injury received, even though not in the line of duty. Any member age fifty or older who becomes totally disabled from an injury sustained in the line of duty is entitled to a disability benefit equal to the greater of 60% of final compensation or his accrued retirement benefit. Any member age fifty or older who becomes totally disabled as a result of any injury, even though not in the line of duty, is entitled to a disability benefit equal to his accrued retirement benefit with a minimum of 25% of average salary. The surviving spouse of a member who was on disability retirement at the time of death receives a benefit of \$200 per month. When the member takes disability retirement, he may in addition take an actuarially reduced benefit in which case the member's surviving spouse receives 50% of the disability benefit being paid immediately prior to the death of the disability retiree payable until the spouse remarries. The retirement system may reduce benefits paid to a disability retiree who is also receiving workers compensation payments.

SURVIVOR BENEFITS - Benefits are payable to survivors of a deceased member who dies and is not eligible for retirement as follows. If any member is killed in the line of duty and leaves a surviving eligible spouse, the spouse is entitled to an annual benefit equal to two-thirds of the deceased member's final compensation. If any member dies from a cause not in the line of duty, the surviving spouse is entitled to an annual benefit equal to 3% of the deceased member's average final compensation multiplied by his total years of creditable service; however, in no event is the annual benefit less than 40% nor more than 60% of the deceased member's average final compensation. Children of the deceased member who are under the age of eighteen years are entitled to the greater of \$200 per month or 10% of average final compensation (not to exceed 100% of average final compensation) until reaching the age of eighteen or until the age of twenty-two if enrolled full-time in an institution of higher learning, unless the surviving child is physically handicapped or mentally retarded in which case the benefit is payable regardless of age. If a deceased member dies leaving no surviving spouse, but at least one minor child, each child is entitled to receive forty percent of the deceased's average final compensation, not to exceed an aggregate of sixty percent of average final compensation.

DEFERRED RETIREMENT OPTION PLAN - In lieu of terminating employment and accepting a service retirement allowance, any member of the system who has at least twenty years of creditable service and who is eligible to receive a service retirement allowance may elect to participate in the deferred retirement option plan for up to thirty-six months and defer the receipt of benefits. Upon commencement of participation in the plan, membership in the system terminates and neither the employee nor employer contributions are payable. Compensation and creditable service will remain as they existed on the effective date of commencement of participation in the plan. The monthly

retirement benefits that would have been payable, had the member elected to cease employment and receive a service retirement allowance, are paid into the deferred retirement option plan account. Upon termination of employment at the end of the specified period of participation, a participant in the program may receive, at his option, a lump sum payment from the account equal to the payments to the account, or a true annuity based upon his account, or he may elect any other method of payment if approved by the board of trustees. The monthly benefits that were being paid into the fund during the period of participation will begin to be paid to the retiree. If employment is not terminated at the end of the thirty-six months, payments into the account cease and the member resumes active contributing membership in the system. If the participant dies during the period of participation in the program, a lump sum payment equal to his account balance is paid to his named beneficiary or, if none, to his estate; in addition, normal survivor benefits are payable to survivors of retirees.

COST OF LIVING INCREASES - The board of trustees is authorized to grant retired members and widows of members who have retired an annual cost of living increase of up to 3% of their current benefit, and all retired members and widows who are sixty-five years of age and older a 2% increase in their original benefit. In order for the board to grant either of these increases the system must meet certain criteria detailed in the statute related to funding status and interest earnings. In lieu of these cost of living adjustments the board may also grant an increase in the form of " $X \times (A+B)$ " where "X" is any amount up to \$1 per month, and "A" is equal to the number of years of credited service accrued at retirement or at death of the member or retiree, and "B" is equal to the number of years since retirement or since death of the member or retiree to June thirtieth of the initial year of such increase.

ACTUARIAL ASSUMPTIONS

In determining actuarial costs, certain assumptions must be made regarding future experience under the plan. These assumptions include the rate of investment return, mortality of plan members, rates of salary increase, rates of retirement, rates of termination, rates of disability, and various other factors that have an impact on the cost of the plan. To the extent that future experience varies from the assumptions selected for valuation, future costs will be either higher or lower than anticipated. The following chart illustrates the effect of emerging experience on the plan.

Factor	Increase in Factor Results in
Investment Earnings Rate	Decrease in Cost
Annual Rate of Salary Increase	Increase in Cost
Rates of Retirement	Increase in Cost
Rates of Termination	Decrease in Cost
Rates of Disability	Increase in Cost
Rates of Mortality	Decrease in Cost

ACTUARIAL COST METHOD: Individual Entry Age Normal With Allocation of Cost Based on Earnings. Entry and Attained Ages Calculated on an Age Near Birthday Basis.

VALUATION INTEREST RATE: 7.5%

ACTUARIAL ASSET VALUES: Invested assets are valued at market value adjusted to defer four-fifths of all earnings above or below the valuation interest rate in the valuation year, three-fifths of all earnings above or below the valuation interest rate in the prior year, two-fifths of all earnings above or below the valuation interest rate from two years prior, and one-fifth of all earnings above or below the valuation interest rate from three years prior.

ANNUITANT MORTALITY: 1994 Uninsured Pensioner Mortality Table Utilized for Pre-Retirement and Post-Retirement Mortality

RETIREE COST OF LIVING INCREASES: The present value of future retirement benefits is based on benefits currently being paid by the system and includes previously granted cost of living increases. The present values do not include provisions for potential future increases not yet authorized by the Board of Trustees.

ANNUAL SALARY INCREASE RATE: Salary increases include 3.25% inflation and merit increases. The gross rates including inflation and merit increases are as follows:

Years of Service	Salary Growth Rate
1 – 2	14.700%
3 – 14	6.300%
15 & over	5.300%

RETIREMENT RATES: The table of these rates is included later in the report. These rates apply only to those individuals eligible to retire.

DROP ENTRY RATES: The table of these rates is included later in the report. These rates apply only to those individuals eligible to participate.

DROP PARTICIPATION PERIOD: All DROP participants are assumed to participate for 3 years and retire at the end of this participation period.

RETIREMENT RATES FOR ACTIVE FORMER DROP PARTICIPANTS: Retirement rates for active former DROP participants are as follows:

Ages	Retirement Rates
74 & Under	0.25
75 & Over	1.00

DISABILITY RATES: 70% of the disability rates used for the 21st valuation of the Railroad Retirement System for individuals with 10-19 years of service. The table of these rates is included later in the report. 20% of total disabilities are assumed to be in the line of duty.

WITHDRAWAL RATES: The rates of withdrawal are applied based upon completed years of service according to the following table:

<u>Service</u>	<u>Factor</u>	<u>Service</u>	<u>Factor</u>
<1	0.100	7	0.020
1	0.060	8	0.020
2	0.060	9	0.020
3	0.060	10	0.020
4	0.035	11	0.020
5	0.035	>11	0.010
6	0.035		

Note: The withdrawal rate for individuals eligible to retire is assumed to be zero.

MARRIAGE STATISTICS: 80% of the members are assumed to be married; husbands are assumed to be three years older than wives.

SERVICE RELATED DEATH: 20% of Total Deaths

FAMILY STATISTICS: Assumptions utilized in determining the costs of various survivor benefits as listed below, are derived from the information provided in the 2000 U. S. Census:

<u>Member's Age</u>	<u>% With Children</u>	<u>Number of Children</u>	<u>Average Age</u>
25	62%	1.7	6
35	82%	2.1	10
45	66%	1.8	13
55	19%	1.4	15
65	2%	1.4	15

DISABLED LIVES MORTALITY: RP-2000 Disabled Lives Mortality Tables for Males and Females

VESTING ELECTING PERCENTAGE: 70% of those vested elect deferred benefits in lieu of contribution refunds.

ACTUARIAL TABLES AND RATES

Age	Male Mortality Rates	Female Mortality Rates	Retirement Rates	DROP Entry Rates	Disability Rates
18	0.00050	0.00029	0.00000	0.00000	0.00105
19	0.00052	0.00030	0.00000	0.00000	0.00105
20	0.00054	0.00031	0.00000	0.00000	0.00105
21	0.00057	0.00031	0.00000	0.00000	0.00105
22	0.00060	0.00031	0.00000	0.00000	0.00105
23	0.00063	0.00031	0.00000	0.00000	0.00105
24	0.00067	0.00031	0.00000	0.00000	0.00105
25	0.00071	0.00031	0.00000	0.00000	0.00105
26	0.00075	0.00032	0.00000	0.00000	0.00105
27	0.00078	0.00032	0.00000	0.00000	0.00105
28	0.00081	0.00034	0.00000	0.00000	0.00105
29	0.00084	0.00036	0.00000	0.00000	0.00105
30	0.00086	0.00038	0.00000	0.00000	0.00105
31	0.00088	0.00040	0.00000	0.00000	0.00105
32	0.00090	0.00043	0.00000	0.00000	0.00105
33	0.00091	0.00045	0.00000	0.00000	0.00105
34	0.00091	0.00048	0.00000	0.00000	0.00105
35	0.00091	0.00051	0.00000	0.00000	0.00119
36	0.00093	0.00055	0.00000	0.00000	0.00133
37	0.00096	0.00059	0.00000	0.00000	0.00147
38	0.00101	0.00064	0.00000	0.00000	0.00168
39	0.00107	0.00070	0.00000	0.00000	0.00189
40	0.00115	0.00076	0.00000	0.00000	0.00217
41	0.00124	0.00083	0.06500	0.14000	0.00245
42	0.00135	0.00089	0.06500	0.14000	0.00273
43	0.00145	0.00094	0.06500	0.14000	0.00308
44	0.00157	0.00099	0.06500	0.14000	0.00350
45	0.00170	0.00105	0.06500	0.14000	0.00399
46	0.00185	0.00111	0.06500	0.14000	0.00455
47	0.00204	0.00120	0.06500	0.14000	0.00511
48	0.00226	0.00130	0.06500	0.14000	0.00581
49	0.00250	0.00141	0.06500	0.14000	0.00658
50	0.00277	0.00154	0.06500	0.14000	0.00749
51	0.00309	0.00169	0.03500	0.14000	0.00854
52	0.00345	0.00186	0.03500	0.23000	0.00966
53	0.00385	0.00205	0.03500	0.23000	0.01099
54	0.00428	0.00224	0.03500	0.23000	0.01246
55	0.00476	0.00247	0.12000	0.23000	0.01414
56	0.00532	0.00276	0.12000	0.23000	0.01610
57	0.00600	0.00314	0.12000	0.23000	0.01827
58	0.00677	0.00361	0.12000	0.10000	0.02072
59	0.00762	0.00415	0.12000	0.10000	0.02359
60	0.00858	0.00477	0.12000	0.10000	0.03416
61	0.00966	0.00548	0.12000	0.10000	0.03416
62	0.01091	0.00627	0.12000	0.35000	0.03416
63	0.01233	0.00718	0.12000	0.35000	0.03416
64	0.01391	0.00819	0.50000	0.35000	0.03416
65	0.01563	0.00929	0.50000	0.35000	0.03416

2005 ACTUARIAL ASSUMPTIONS

ACTUARIAL ASSET VALUES: Asset values are based on data furnished by the system's certified public accountants. Merger Notes are valued on an amortized basis. Invested assets are valued at market value adjusted to defer one-half of all realized and unrealized capital gains or losses accrued during the fiscal year.

FAMILY STATISTICS: Assumptions utilized in determining the costs of various survivor benefits as listed below, are derived from information provided in the 14th Actuarial Valuation of the U.S. Railroad Retirement System:

<u>Age at Death</u>	<u>% With Children</u>	<u>Number of Children</u>	<u>Average Age</u>
25	55%	2.2	7
35	80%	2.7	11
45	60%	1.9	13
55	20%	1.5	14
65	2%	1.0	17

DISABLED LIVES MORTALITY: 175% of 1971 Group Annuity Mortality Table (Female mortality based on a six year setback of the male table)

VESTING ELECTING PERCENTAGE: 80% of those vested elect deferred benefits in lieu of contribution refunds.

GLOSSARY

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

Actuarial Cost Method - A procedure for determining an allocation of pension costs to each fiscal year. Although all proper cost methods will accumulate sufficient assets to provide for members pensions, some accumulate assets more or less rapidly than others by producing higher or lower costs in the earlier years with corresponding decreasing or increasing costs in future years.

Actuarial Present Value - The value, as of a specified date, of an amount or series of amounts payable or receivable thereafter, with each amount adjusted to reflect the time value of money (through accrual of interest) and the probability of payments. For example: if \$600 invested today will be worth \$1,000 in 10 years and there is a 50% probability that a person will live 10 years, then the actuarial present value of \$1,000 payable to that person if he should survive 10 years is \$300.

Actuarial Value of Assets - The value of cash, investments, and other property belonging to the pension plan as used by the actuary for the purpose of the actuarial valuation. This may correspond to the book value, market value, or some modification involving either or both book and market value.

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

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

Contribution Shortfall (Excess) - The difference between contributions recommended in the prior valuation and the actual amount received.

Employer Normal Cost - That portion of the normal cost not attributable to employee contributions. It includes both direct contributions made by the employer and contributions from other non-employee sources such as revenue sharing and revenues related to taxes.

Normal Cost - That portion of the actuarial present value of pension plan benefits and expenses allocated to a valuation year by the actuarial cost method. This is analogous to one year's insurance premium.

Pension Benefit Obligation - The actuarial present value of benefits earned or credited to date based on the member's expected final average compensation at retirement. For current retirees or terminated members this is equivalent to the actuarial present value of their accrued benefit.

Unfunded Actuarial Accrued Liability - The excess of the actuarial accrued liability over the actuarial value of assets.

Vested Benefits - Benefits to which the members are entitled even if they withdraw from service.