REGISTRARS OF VOTERS EMPLOYEES' RETIREMENT SYSTEM

ACTUARIAL VALUATION AS OF JUNE 30, 2017

G. S. CURRAN & COMPANY, LTD.

Actuarial Services

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November 8, 2017

Board of Trustees Registrars of Voters Employees' Retirement System P. O. Box 57 Jennings, Louisiana 70546

Ladies and Gentlemen:

We are pleased to present our report on the actuarial valuation of the Registrars of Voters Employees' Retirement System for the fiscal year ending June 30, 2017. 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 Registrars of Voters Employees' Retirement System. The primary purpose of this report is to determine the actuarially required contribution for the retirement system for the fiscal year ending 2018, and to recommend the net direct employer contribution rate for Fiscal 2019. This report does not contain the information necessary for accounting disclosures as required by Governmental Accounting Standards Board (GASB) Statements 67 and 68; that information is included in a separate report. This report was prepared exclusively for the Registrars of Voters Employees' Retirement System for a specific limited purpose. It is not for the use or benefit of any third party for any purpose.

In our opinion, all of the assumptions on which this valuation is based are reasonable individually and in the aggregate. Both economic and demographic assumptions are based on our expectations for future experience for the fund. 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. The undersigned actuaries are members of the American Academy of Actuaries and have met the qualification standards for the American Academy of Actuaries to render the actuarial opinions incorporated in this report, and are available to provide further information or answer any questions with respect to this valuation.

Sincerely,

G. S. CURRAN & COMPANY, LTD.

By: A.S.A , M.A.A.A

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SUMMARY OF VALUATION RESULTS REGISTRARS OF VOTERS EMPLOYEES' RETIREMENT SYSTEM

Valuation Date:			June 30, 2017		June 30, 2016
Census Summary:	Active Members Retired Members and Survivors Terminated Due a Deferred Benefit		244 163 4		246 154 5
	Terminated Due a Refund		20		33
Payroll: Benefits in Payment:		\$ \$	13,692,608 4,927,865	\$ \$	13,643,192 4,564,062
Present Value of Future	Benefits	\$	140,697,227	\$	135,006,598
Actuarial Accrued Liab	ility (EAN):	\$	109,217,320	\$	105,994,592
Funding Deposit Accou	Int Credit Balance	\$	2,920,894	\$	2,068,558
Actuarial Value of Asso	ets (AVA):	\$	93,125,749	\$	88,165,103
Market Value of Assets	s (MVA):	\$	90,656,567	\$	80,683,761
Ratio of AVA to Actua	rial Accrued Liability (EAN):		85.27%		83.18%
			Fiscal 2017		Fiscal 2016
Market Rate of Return:			12.4%		-2.0%
Actuarial Rate of Retur	n:		5.7%		3.0%
			Fiscal 2018		Fiscal 2017
Employers' Normal Co	st (Mid-year):	\$	4,557,537	\$	4,604,377
Estimated Administrati		\$	368,024	\$	358,318
Projected Ad Valorem		\$	2,787,317	\$	2,869,908
Projected Revenue Sha		\$	110,228	\$	110,066
Net Direct Employer A	ctuarially Required Contributions:	\$	2,028,016	\$	1,982,721
Projected Payroll:		\$	14,213,938	\$	14,039,643
Actual Employee Contr	ribution Rate:		7.00%		7.00%
Actual Net Direct Emp	loyer Contribution Rate:		17.00%		20.00%
Actuarially Required N	et Direct Employer Contribution Rate:		14.27%		14.12%
			Fiscal 2019		Fiscal 2018
Minimum Recommend	ed Net Direct Employer Contribution Rate:		14.25%		14.00%

GENERAL COMMENTS

The values and calculations in this report were determined by applying statistical analysis and projections to system data and the assumptions listed. There is sometimes a tendency for readers to either dismiss results as mere "guesses" or alternatively to ascribe a greater degree of accuracy to the results than is warranted. In fact, neither of these assessments is valid. Actuarial calculations by their very nature involve estimations. As such, it is likely that eventual results will differ from those presented. The degree to which such differences evolve will depend on several factors including the completeness and accuracy of the data utilized, the degree to which assumptions approximate future experience, and the extent to which the mathematical model accurately describes the plan's design and future outcomes.

Data quality varies from system to system and year to year. The data inputs involve both asset information and census information of plan participants. In both cases, the actuary must rely on third parties; nevertheless, steps are taken to reduce the probability and degree of errors. The development of assumptions is primarily the task of the actuary; however, information and advice from plan administrators, staff, and other professionals may be factored into the formation of assumptions. The process of setting assumptions is based primarily on analysis of past trends, but modification of historical experience is often required when the actuary has reason to believe that future circumstances may vary significantly from the past. Setting assumptions includes but is not limited to collecting past plan experience and studying general population demographics and economic factors from the past. The actuary will also consider current and future macro-economic and financial expectations as well as factors that are likely to impact the particular group under consideration. Hence, assumptions will also reflect the actuary's judgment with regard to future changes in plan population and decrements in view of the particular factors which impact participants. Thus, the process of setting assumptions is not mere "guess work" but rather a process of mathematical analysis of past experience and of those factors likely to impact the future.

One area where the actuary is limited in his ability to develop accurate estimates is the projection of future investment earnings. The difficulties here are significant. First, the future is rarely like the past, and the data points available to develop stochastic trials are far fewer than the number required for statistical significance. In this area, some guess work is inevitable. However, there are tools available to lay a foundation for making estimates with an expectation of reliability. Although past data is limited, that which is available is likely to provide some insight into the future. This data consists of general economic and financial values such as past rates of inflation, rates of return variance, and correlations of returns among various asset classes along with the actual asset experience of the plan. In addition, the actuary can review the current asset market environment as well as economic forecasts from governmental and investment research groups to form a reasonable opinion with regard to probable future investment experience for the plan.

All of the above efforts would be in vain if the assumption process was static, and the plan would have to deal with the consequences of actual experience differing from assumptions after forty or fifty years of compounded errors. However, actuarial funding methods for pension plans all allow for periodic corrections of assumptions to conform with reality as it unfolds. This process of repeated correction of estimates produces results which although imperfect are nevertheless a reasonable approach to determine the contribution levels which will provide for the future benefits of plan participants.

COMMENTS ON DATA

For the valuation, our office electronically downloaded census information 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, 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 IX, there are 244 active members, of whom, 126 members, including 15 participants in the Deferred Retirement Option Plan (DROP), have vested retirement benefits; 163 former members or their beneficiaries are receiving retirement benefits. An additional 24 former members have contributions remaining on deposit with the system; of this number 4 former members 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 administrator 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. For this valuation, the number of such records with imputed data is de minimis. 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 administrative director 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 auditor, the firm of Duplantier, Hrapmann, Hogan & Maher, L.L.P. As indicated in the system's audit report, the net market value of assets was \$90,656,567 as of June 30, 2017. Net investment income for Fiscal 2017 measured on a market value basis was \$10,001,787. Contributions to the system for the fiscal year totaled \$6,663,042; benefits and expenses amounted to \$6,692,023.

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 Aggregate Actuarial Cost Method. Under the Aggregate Cost Method, actuarial gains and losses are spread over future normal costs. Thus, favorable plan experience will lower future normal costs; unfavorable experience will cause future normal costs to increase. In addition, changes in benefits and assumptions are also spread over future normal costs.

The current year actuarial assumptions utilized for this report are based on the results of an actuarial experience study for the period July 1, 2009 – June 30, 2014, unless otherwise specified in this report. In determining the valuation interest rate, consideration was given to several factors. First, we considered consensus estimates of rates of return, standard deviations, and correlation coefficients for asset classes derived from various asset consulting firms. These factors were used to derive forward estimates of the Fund's portfolio. Based on the results of this interest rate assumption review, the assumed rate of return for the valuation was set at 6.75%. An inflation rate of 2.50% was implicit in both the assumed rate of return and rate of salary increases. Additional details are given in the complete Experience Report for fiscal years 2010 through 2014.

Although the Board of Trustees has authority to grant ad hoc Cost of Living Increases (COLAs) under limited circumstances, these COLAs have not been shown to have a historical pattern, the amounts of the COLAs have not been relative to a defined cost-of-living or inflation index, and there is no evidence to conclude that COLAs will be granted on a predictable basis in the future. Therefore, for purposes of determining the present value of benefits, these COLAs were deemed not to be substantively automatic and the present value of benefits excludes COLAs not previously granted by the Board of Trustees.

The current year actuarial assumptions utilized for the report are outlined on pages thirty-nine through forty-four. With the exception of the valuation interest rate, all assumptions were the same as those used in the Fiscal 2016 valuation. All assumptions used are based on estimates of future long-term experience for the fund. All calculations, recommendations, and conclusions are based on the assumptions specified. To the extent that prospective experience differs from that assumed, adjustments to contribution levels will be required. Such differences will be revealed in future actuarial valuations. The net effect of the changes in assumptions on the normal cost accrual rate was an increase of 2.7641%.

RISK FACTORS

Defined benefit pension plans are subject to a number of risks. These can be related either to plan assets or liabilities. In order to pay benefits, the plan must have sufficient assets. Several factors can lead to asset levels which are below those required to pay promised benefits. The first risk in this regard is the failure to contribute adequate funds to the plan. In some ways, this is the greatest risk, since other risks can usually be addressed by adequate actuarial funding.

All pension plans are subject to asset performance risk. Asset performance is comprised of the real rates of return earned on the portfolio of investments plus the underlying inflation rate. High levels of inflation or deflation can present the plan with problems by either reducing the purchasing power of plan benefits or impairing asset values in the trust. Asset performance over the long run depends not only on average returns but also on the volatility of returns. Two portfolios of identical size with identical average rates of return will accumulate different levels of assets if the volatility of returns

differs since increased volatility reduces the accumulation of assets. Another element of asset risk is reinvestment risk. Recent interest rate declines have subjected pension plans to an increase in this risk. As fixed income securities have matured, investment managers have been forced to reinvest funds at decreasing rates of return. For pension plans which require significant net cash flow above contributions to fund benefit payments, the risk of insufficient liquidity is another risk component which can create problems if it becomes necessary to sell securities under unfavorable market conditions in order to raise cash necessary to pay retirement benefits. Even for individual securities, insolvency and performance risk can subject a plan to stress if these investments comprise a significant portion of plan assets. Security insolvency or severe underperformance can result in steep increases in sponsor contributions where individual investments comprise more than a de minimis amount of the investment portfolio.

In addition to asset risk, the plan is also subject to risks related to liabilities. These risks include longevity risk (the risk that retirees will live longer than expected), termination risk (the risk that fewer than the anticipated number of members will terminate service prior to retirement), and other factors that may have an impact on the liability structure of the plan. Final average compensation plans are vulnerable to unexpectedly large increases in salary for individual members near retirement. Conversely, in cases where plans have large unfunded liabilities, payroll contraction is a risk insofar as contributions which are typically reported as a percentage of payroll may increase as payrolls decline.

Liability risk also includes items such as data errors. Significant errors in plan data can distort or disguise plan liabilities. When data corrections are made, the plan may experience unexpected increases or decreases in liabilities. Even natural disasters and dislocations in the economy or other unforeseen events can present risks to the plan. These events can affect member payroll and plan demographics, both of which impact costs.

Recommended actuarial contributions are based on expectations related to asset and liability performance; all of the above mentioned factors can produce unexpected changes in the future cost structures of the plan. For this reason, future costs may differ significantly from current levels. Ordinarily, variations in these factors will offset to some extent. However, even with the expectation that not all variations in costs will likely travel in the same direction, certain factors have the potential on their own accord to pose a significant risk to future cost levels and solvency.

Beyond identifying risk categories, it is possible to quantify some risk factors. One fairly well known risk metric is the funded ratio of the plan. The rate is given as plan assets divided by plan liabilities. However, the definition of each of these terms may vary. The two typical alternatives used for assets are the market and actuarial value of assets. There are a number of alternative measures of liability depending on the funding method employed. The Governmental Accounting Standards Board (GASB) specifies that for financial reporting purposes, the funded ratio is determined by using the market value of assets divided by the entry age normal accrued liability. This value is given in the system's financial report. Alternatively, we have calculated the ratio of the actuarial value of assets to the entry age normal accrued liability based on the funding methodology used to fund the plan. The ratio is 85.27% as of June 30, 2017. This value gives some indication of the financial strength of the plan; however, it does not guarantee the ability of the fund to pay benefits in the future or indicate that in the future, contributions are likely to be less than or greater than current contributions. In addition, the ratio cannot be used in isolation to compare the relative strength of different retirement systems. However, the trend of this ratio over time can give some insight into the financial health of the plan. Even in this regard, caution is warranted since market fluctuations in asset values and changes in plan assumptions can distort underlying trends in this value. One additional risk measure is the sensitivity of the plan's cost structure to asset gains and losses. For this plan, we have determined that based on current assets and demographics, for each percentage under (over) the assumed rate of return on the actuarial value of assets, there will be a corresponding increase (reduction) in the actuarially required contribution as a percentage of projected payroll of 0.71% for the fund.

The ability of a system to recover from adverse asset or liability performance is related to the maturity of the plan population. In general, plans with increasing active membership are less sensitive to asset and liability gains and losses than mature plans since changes in plan costs can be partially allocated to new members. If the plan has a large number of active members compared to retirees, asset or liability losses can be more easily addressed. As more members retire, contributions can only be collected from a smaller segment of the overall plan population. Often, population ratios of actives to annuitants are used to measure the plan's ability to adjust or recover from adverse events since contributions are made by or on behalf of active members but not for retirees. Thus, if the plan suffers a mortality loss through increased longevity, this will affect both actives and retirees, but the system can only fund this loss by contributions related to active members. A measure of risk related to plan maturity is the ratio of total benefit payments to active payroll. For Fiscal 2017, this ratio is 36%; ten years ago this ratio was 27%.

One other area of risk is the risk that plan assumptions will need to be revised to conform to changing actual or expected plan experience. Such assumption revisions could relate to demographic or economic factors. With regard to the economic assumptions, we have determined that a reduction in the valuation interest rate by 1% (without any change to other collateral factors) would increase the actuarially required employer contribution rate for Fiscal 2018 by 11.71% of payroll.

There is a risk that future actuarial measurements may differ significantly from current measurements presented in this report due to factors such as the following: plan experience differing from that anticipated by the economic or demographic assumptions, changes in economic or demographic assumptions, and changes in plan provisions or applicable law. Analysis of the effect of all these factors and additional risk metrics is beyond the scope of this report.

CHANGES IN PLAN PROVISIONS

The following changes to the system were enacted during the 2017 Regular Session of the Louisiana Legislature:

Act 285 of the 2017 Regular Session of the Louisiana Legislature provides a framework to correct enrollment errors for all employees in positions covered by state and statewide retirement systems. The act requires the member to be enrolled in the correct system with a transfer of contributions and interest from the erroneous system to the correct system. As a part of the correction of the enrollment error, the member will be credited with the correct service credit, accrual rate, and employee contribution balance in the correct system. If the correction occurs within three years of the enrollment error, the correct system shall complete the correction upon receipt of the employee contributions and employer contributions that would have been paid had the member been properly enrolled with interest at the system's board-approved actuarial valuation interest rate. If the correction occurs more than three years after the enrollment error, the correct system shall receive the greater of 1) Employee contributions and employer contributions plus interest, and 2) The actuarial cost to the correct system of the service credit transferred. The employer must pay the difference between the amount transferred from the incorrect system to the correct system and the cost of the correction. Act 366 of the 2017 Regular Session of the Louisiana Legislature made individuals appointed or elected on or after July 1, 2017 ineligible to serve as trustee on the Board for any state or statewide retirement system if found in violation of the Code of Governmental Ethics for actions involving the misuse of public funds. In addition, the act clarified that legislative staff is authorized to attend executive sessions and that they enjoy lawyer-client privilege for information related to the executive session.

ASSET EXPERIENCE

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

	Market Value	Actuarial Value
2008	-3.9%	6.6%
2009	-18.3%	* -6.2%
2010	8.7%	3.8%
2011	16.4%	4.8%
2012	-5.0%	-0.3%
2013	10.1%	1.6%
2014	13.1%	7.9%
2015	-0.2%	6.1%
2016	-2.0%	3.0%
2017	12.4%	5.7%

* Includes effect of change in asset valuation method.

Geometric Average Market Rates of Return

5 year average	(Fiscal 2013 – 2017)	6.5%
10 year average	(Fiscal 2008 – 2017)	2.6%
15 year average	(Fiscal 2003 – 2017)	4.4%
20 year average	(Fiscal 1998 – 2017)	4.3%
25 year average	(Fiscal 1993 – 2017)	5.3%

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 and dividends. 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. During 2017, the fund earned \$1,914,648 dividends, interest and other recurring income. Net income was increased by realized and unrealized capital gains of \$8,480,485. Investment expenses reduced income by \$393,346.

The actuarial rate of return is presented for comparison to the assumed long-term rate of return. This rate is calculated based on the actuarial value of assets and the market value income adjusted for actuarial smoothing as given in Exhibit VI. Investment income used to calculate this yield is based upon a smoothing of investment income above or below the valuation interest rate over a five year period subject to limits as described in the section detailing actuarial assumptions. The difference

between rates of return on an actuarial and market value basis results from the smoothing utilized. In the future, yields in excess of the 6.75% assumption will reduce future costs; yields below 6.75% will increase future costs. For Fiscal 2017, the system earned net actuarial investment income totaling \$1,180,933 less than the actuarial assumed earnings rate of 7.00% in effect for fiscal 2017. This shortfall in earnings produced an actuarial loss, which increased the normal cost accrual rate by 0.8950%.

DEMOGRAPHICS AND LIABILITY EXPERIENCE

A reconciliation of the census for the plan is given in Exhibit X. The average active member is 52 years old with 12.95 years of service and an annual salary of \$56,117. The system's active membership decreased by 2 members during the fiscal year. The plan has experienced a decrease in the active plan population of 1 member over the last five years. A review of the active census by age indicates that, over the last ten years, the population in the 41-60 age group has decreased significantly while the proportion of active members in the 61and above age group have increased. Over the same ten-year period, the proportion of members with 10-14 years of service increased with reductions in the proportion of members with more than 15 years of service.

The average service retiree is 74 years old with a monthly benefit of \$2,944. The number of retirees and beneficiaries receiving benefits from the system increased by 9 during the fiscal year; over the last five years the number of retirees has increased by 20. During this same period, annual benefits in payment increased by \$1,782,486.

Plan liability experience for Fiscal 2017 was favorable. Liability experience gains were produced primarily by salary increases less than projected levels. All other decrement experience was near projected levels except deaths which were significantly above projected levels. In aggregate, plan liability gains decreased the normal cost accrual rate by 2.7794%.

FUNDING ANALYSIS AND RECOMMENDATIONS DEFINED BENEFIT PLAN

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 the normal cost, and the actuarially required contributions are based on the sum of this value and administrative expenses. Under the funding method used for the plan, changes in plan experience, benefits, or assumptions increase or decrease future normal costs. In addition excess or deficient contributions can decrease or increase future costs.

In order to establish the actuarially required contribution in any given year, it is necessary to define the assumptions and funding method. Thus, the determination of what contribution is actuarially required depends upon the funding method 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.

The derivation of the actuarially required contribution for the current fiscal year is given in Exhibit I. The normal cost for Fiscal 2018 is \$4,411,093. The total actuarially required contribution is determined by adjusting the value for interest (since payments are made throughout the fiscal year) and adding estimated administrative expenses. As given on line 12 of Exhibit I the total actuarially required contribution for Fiscal 2018 is \$4,925,561. When this amount is reduced by projected tax contributions and revenue sharing funds, the resulting employers' net direct actuarially required contribution for Fiscal 2018 is \$2,028,016 or 14.27% of projected payroll.

Liability and asset experience as well as changes in assumptions and benefits can increase or decrease plan costs. In addition to these factors, any COLA granted in the prior fiscal year would increase required contributions. New entrants to the system can also increase or decrease costs as a percent of payroll depending upon their demographic distribution and other factors related to prior plan experience. Finally, contributions above or below requirements may reduce or increase future costs.

The effects of various factors on the fund's cost structure are outlined below:

Employer's Normal Cost Accrual Rate – Fiscal 2017	32.7430%
Factors Increasing the Normal Cost Accrual Rate:	
Assumption Changes	2.7641%
Asset Experience Loss	0.8950%
Factors Decreasing the Normal Cost Accrual Rate:	
Plan Liability Experience Gain	2.7794%
New Members	1.2411%
Employer's Normal Cost Accrual Rate – Fiscal 2018	32.3816%

In addition to the above factors, required net direct employer contributions are also affected by the projected ad valorem taxes and revenue sharing funds which the system is expected to receive each year. When these funds change as a percentage of payroll, net direct employer contributions are adjusted accordingly. We estimate that these funds will decrease by 0.84% of payroll in Fiscal 2018.

Although the actuarially required net direct employer contribution rate for Fiscal 2017 was 14.12%, the Board voted to maintain the employer contribution rate at 22.50%. For Fiscal 2017, this system experienced a contribution gain of \$707,537. In accordance with R. S. 11:107, these additional contributions were credited to the system's Funding Deposit Account as of June 30, 2017. Although the actuarially required net direct employer contribution rate for Fiscal 2018 is 14.27%; the actual employer contribution rate for Fiscal 2018 is 17.00% of payroll. Since the contribution rate for Fiscal 2018 was held at 17.00% by the Board, any surplus in employer contributions collected during the fiscal year will be credited to the Funding Deposit Account.

R.S. 11:103 requires that the net direct employer contributions be rounded to the nearest 0.25%, hence we are recommending a minimum net direct employer contribution rate of 14.25% for Fiscal 2019. Under the provisions of RS 11:105, R.S. 11:106 and RS 11:107, the Board of Trustees may maintain the net direct employer contribution at any level between the minimum recommended employer contribution rate of 14.25% and the current level of 17.25%. If the Board sets the net direct employer

contribution rate above the minimum rate, any excess funds collected will be deposited in the Funding Deposit Account. Funds in this account can be used to reduce either future required contributions in a particular year or the normal cost accrual rate. In addition, if the system may grant a cost of living increase to retirees, such increase may be paid from funds in the Funding Deposit Account.

FUNDING ANALYSIS AND RECOMMENDATIONS DEFINED CONTRIBUTION PLAN

Funding for the retirement system's defined contribution account is contingent upon the availability of funds from ad valorem taxes and revenue sharing above the requirements of the defined benefit plan. The maximum amount of ad valorem taxes available to the system is 0.0625% of the ad valorem taxes shown to be collected each year. For Fiscal 2018, we project that the system will receive ad valorem taxes in an amount insufficient to meet the requirements of the defined benefit plan. Therefore, there is no funding available for the defined contribution account for Fiscal 2018.

COST OF LIVING INCREASES

During Fiscal 2017 the actual cost of living (as measured by the US Department of Labor CPI-U) increased by 1.63%. Cost of living provisions for the system are detailed in R.S. 11:2073 and R.S. 11:246. The former statute allows the Board to grant annual cost of living increases of 3% of each retiree's original benefit. This applies only to members who have been retired for at least two years. R.S. 11:246 provides cost of living increases of 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. Statutory requirements provide that such COLA's may be paid only when the system has investment earnings above the valuation interest rate or when sufficient funds are available in the Funding Deposit Account and the system complies with the provisions of R. S. 11:243(G)(3). For Fiscal 2017, the fund had no such excess earnings.

R.S. 11:243 sets forth the funding criteria necessary in order to grant cost of living adjustments to regular retirees and beneficiaries (who are neither the surviving spouse nor children of the retiree). The criteria for the fund to qualify as eligible to grant any such increase is as follows: a funded ratio of at least 70% if the system has not granted a benefit increase to retirees, survivors, or beneficiaries in any of the three most recent fiscal years; a funded ratio of at least 80% if the system has not granted such an increase in any of the two most recent fiscal years; or a funded ratio of at least 90% if the system has not granted such an increase in the most recent fiscal years; or a funded ratio at any fiscal year end is the ratio of the actuarial value of assets to the actuarial accrued liability under the funding method prescribed by the legislative auditor (currently the Projected Unit Credit Method for this system). For Fiscal 2017, this funded ratio is 82.97%.

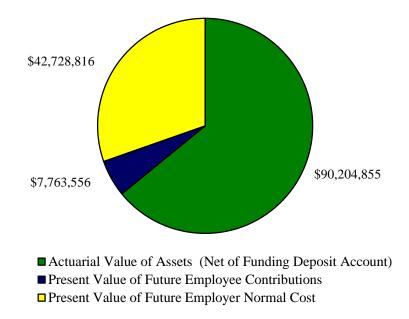
The estimated impact of granting the COLA's described above are as follows:

	Increase In Annual Benefits				Expected Increase in Normal Cost Accrual Rate
R.S. 11:2073 3% of base	\$	138,229	\$	1,269,682	N/A
R.S. 11:246 2% of base to over age 65	\$	66,575	\$	555,925	N/A

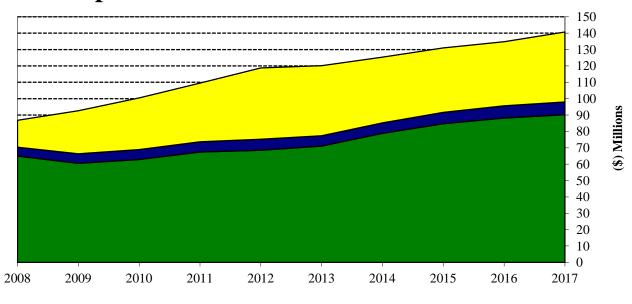
The actuarial cost of providing the cost of living increase described in R. S. 11:241 cannot be determined without a significant amount of administrative research to determine the amount of service credit that was earned prior to retirement for each retiree and survivor in payment at the implementation of the system's computer database.

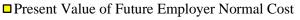
Since the system's actuarial rate of return was below the valuation interest rate of 7.0% for fiscal 2017, it did not earn excess interest. Therefore, the Board of Trustees may only authorize the granting of cost of living increases by releasing sufficient funds from the Funding Deposit Account to offset the increase in the present value of future benefits caused by the payment of the COLA. By paying any of the above COLA's out of funds accumulated within the Funding Deposit Account, there will be no increase in the system's normal cost accrual rate.

Components of Present Value of Future Benefits June 30, 2017



Components of Present Value of Future Benefits

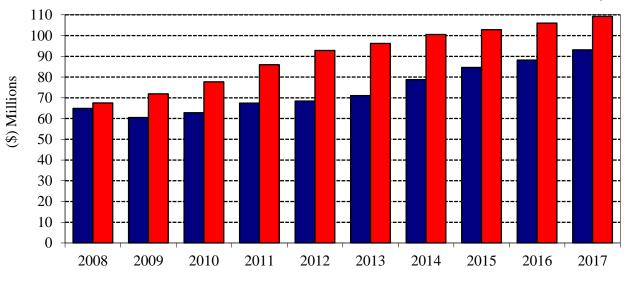




Present Value of Future Employee Contributions

Actuarial Value of Assets (Net of Funding Deposit Account)

-12-G. S. Curran & Company, Ltd.

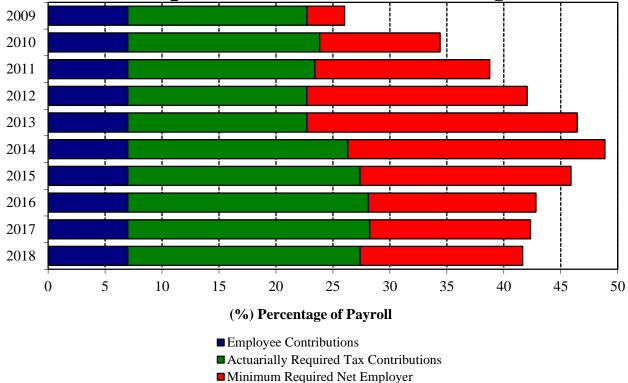


Actuarial Value of Assets vs. EAN Accrued Liability

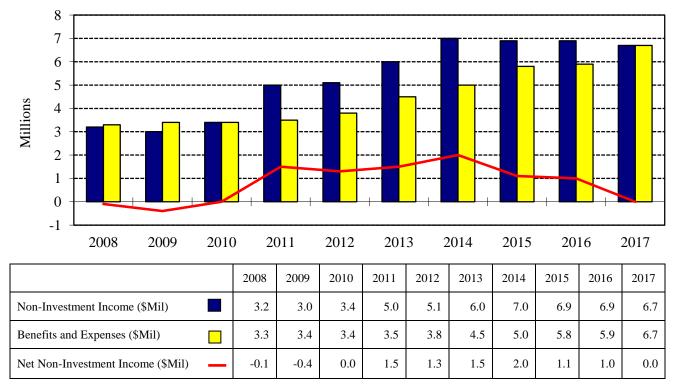
Actuarial Value of Assets

Entry Age Normal Accrued Liability

Components of Actuarial Funding

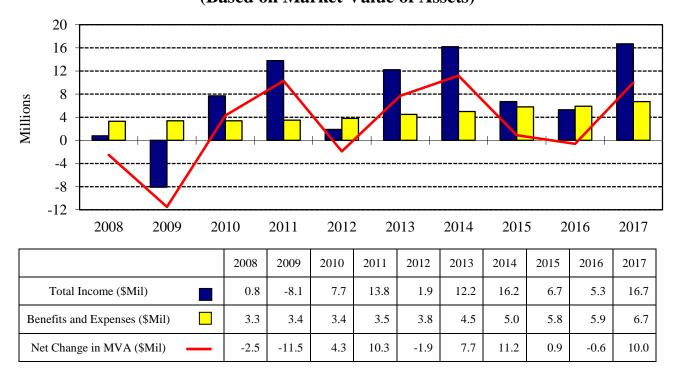


Actuarially Required Tax Contributions consist of the lesser of Actuarially Required Contributions and amount of taxes divided by the projected valuation payroll.

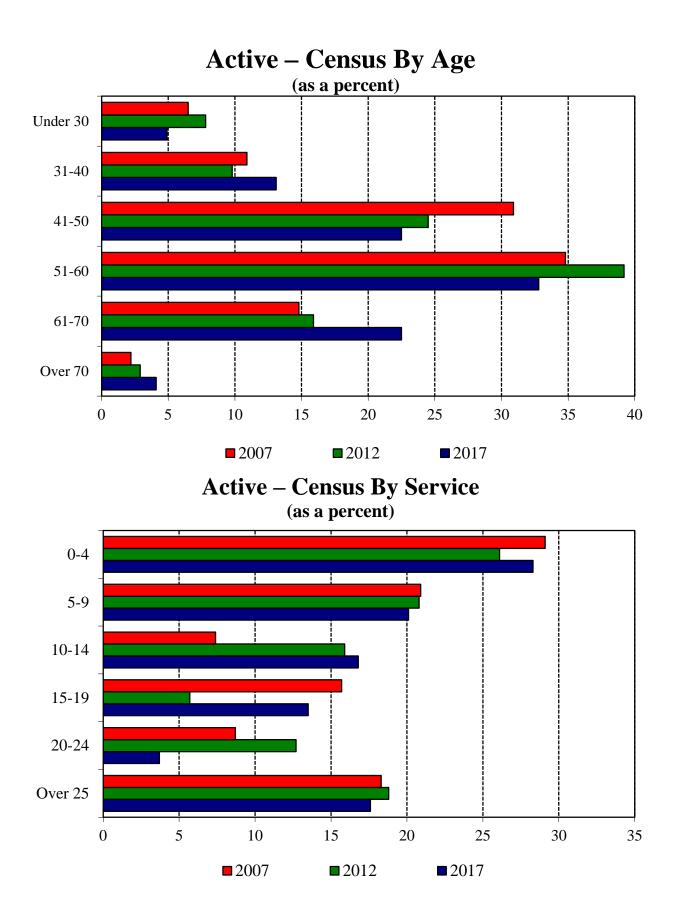


Net Non-Investment Income

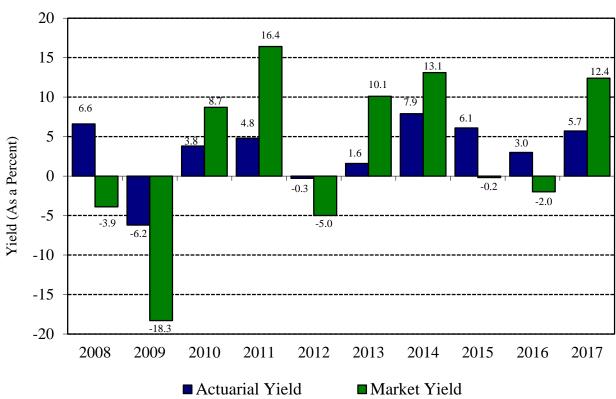
Total Income vs. Expenses (Based on Market Value of Assets)



-14-G. S. Curran & Company, Ltd.



-15-G. S. Curran & Company, Ltd.



Historical Asset Yield

EXHIBITS

EXHIBIT I ANALYSIS OF ACTUARIALLY REQUIRED CONTRIBUTIONS TO THE DEFINED BENEFIT PLAN

 Present Value of Future Benefits	\$ \$ \$	140,697,227 2,920,894 93,125,749 7,763,556 42,728,816 131,954,076
7. Employer Normal Cost Accrual Rate (5 ÷ 6)	•••	32.381581%
8. Projected Fiscal 2018 Salary for Current Membership	\$	13,622,228
9. Employer Normal Cost as of July 1, 2017 (7×8)	\$	4,411,093
10. Employer Normal Cost Interest Adjusted for Mid-year Payment	\$	4,557,537
11. Estimated Administrative Cost for Fiscal 2018	\$	368,024
12. GROSS Employer Actuarially Required Contribution for Fiscal 2018 (10 + 11)	\$	4,925,561
13. Projected Ad Valorem Tax Contributions for Fiscal 2018	\$	2,787,317
14. Projected Revenue Sharing Funds for Fiscal 2018	\$	110,228
15. Net Direct Employer Actuarially Required Contribution for Fiscal 2018 (12 – 13 – 14)	\$	2,028,016
16. Projected Payroll for Fiscal 2018	\$	14,213,938
 Employers' Minimum Net Direct Actuarially Required Contribution as a % of Projected Payroll for Fiscal 2018 (15 ÷ 16) 	••	14.27%
 Minimum Recommended Net Direct Employer Contribution Rate for Fiscal 2019 (17, Rounded to nearest 0.25%) 	•••	14.25%

EXHIBIT II PRESENT VALUE OF FUTURE BENEFITS

PRESENT VALUE OF FUTURE BENEFITS FOR ACTIVE MEMBERS:

Retirement Benefits	\$	88,584,271	
Survivor Benefits		1,319,325	
Disability Benefits		537,274	
Vested Termination Benefits		1,432,365	
Refunds of Contributions		407,574	
TOTAL Present Value of Future Benefits for Active Members	••••		\$ 92,280,809
PRESENT VALUE OF FUTURE BENEFITS FOR TERMINATED	• M]	EMBERS:	
Terminated Vested Members Due Benefits at Retirement Terminated Members with Reciprocals	\$	746,755	
Due Benefits at Retirement		55,727	
Terminated Members Due a Refund		76,579	

PRESENT VALUE OF FUTURE BENEFITS FOR RETIREES:

Regular Retirees	
Maximum \$ 11,602,392	
Option 1 11,452,670	
Option 2 6,965,492	
Option 3 10,609,037	
Option 4 1,741,427	
TOTAL Regular Retirees\$ 42,371,018	
Disability Retirees 114,457	
Survivors & Widows	
Annuities Certain Payable to Retirees	
Offset for overpayment of benefits	
TOTAL Present Value of Future Benefits for Retirees & Survivors	\$ 47,537,357
TOTAL Present Value of Future Benefits	\$ 140,697,227

-19-G. S. Curran & Company, Ltd.

EXHIBIT III – SCHEDULE A MARKET VALUE OF ASSETS

CURRENT ASSETS:

Cash in Banks \$ 2,529,715	
Contributions and Taxes Receivable	
Accrued Interest and Dividends	
Investments Receivable 189,723	
TOTAL CURRENT ASSETS	\$ 3,230,385
Property Plant & Equipment	\$ 25,875
INVESTMENTS:	
Cash Equivalents \$ 3,175,658	
Equities	
Fixed Income	
Real Estate	
Alternative Investments359,863	
TOTAL INVESTMENTS	\$ 87,844,693
TOTAL ASSETS	\$ 91,100,953
CURRENT LIABILITIES:	
Accounts Payable \$ 50,730	
Investments Payable	
TOTAL CURRENT LIABILITIES	\$ 444,386
MARKET VALUE OF ASSETS	\$ 90,656,567

EXHIBIT III – SCHEDULE B ACTUARIAL VALUE OF ASSETS

Excess (Shortfall) of Invested Income For Current and Previous 4 Years:

Fiscal year 2017 Fiscal year 2016 Fiscal year 2015 Fiscal year 2014 Fiscal year 2013	\$ (7,321,613) (5,871,517) 3,942,281
Total for Five Years	\$ (3,286,199)

Deferral of Excess (Shortfall) of Invested Income:

Fiscal year 2017 (80%) Fiscal year 2016 (60%) Fiscal year 2015 (40%) Fiscal year 2014 (20%) Fiscal year 2013 (0%)	3,483,937 (4,392,968) (2,348,607) 788,456 0
Total Deferred for Year	\$ (2,469,182)
Market Value of Plan Net Assets, End of Year	\$ 90,656,567
Preliminary Actuarial Value of Plan Assets, End of Year	\$ 93,125,749
Actuarial Value of Assets Corridor	
85% of market value, end of year	\$ 77,058,082
115% of market value, end of year	\$ 104,255,052
Final Actuarial Value of Plan Net Assets, End of Year	\$ 93,125,749

EXHIBIT IV PRESENT VALUE OF FUTURE CONTRIBUTIONS

Employee Contributions to the Annuity Savings Fund	\$ 7,763,556
Employer Normal Contributions to the Pension Accumulation Fund	42,728,816
Funding Deposit Account Credit Balance	(2,920,894)
TOTAL PRESENT VALUE OF FUTURE CONTRIBUTIONS	\$ 47,571,478

EXHIBIT V RECONCILIATION OF CONTRIBUTIONS

Employer Normal Cost for Prior Year\$ 4,451,219	
Interest on the Normal Cost	
Administrative Expenses	
Interest on Expenses 10,150	
TOTAL Interest Adjusted Actuarially Required Contributions	\$ 5,067,935
Direct Employer Contributions \$ 2,754,758	
Interest on Employer Contributions	
Ad Valorem Taxes and Revenue Sharing2,828,601	
Interest on Ad Valorem Taxes and Revenue Sharing Funds97,327	
TOTAL Interest Adjusted Employer Contributions	\$ 5,775,473
CONTRIBUTION SURPLUS	\$ 707,538

EXHIBIT VI ANALYSIS OF CHANGE IN ASSETS

Actuarial Value of Assets (June 30, 2016)	\$	88,165,103
INCOME:		
Member Contributions \$ 882,644		
Employer Contributions		
Irregular Contributions		
Tax Revenue 2,828,601		
Total Contributions	\$	6,663,042
Net Appreciation (Depreciation) of Investments \$ 8,234,984		
Interest & Dividends 1,914,648		
Miscellaneous Income		
Investment Expense		
Net Investment Income	\$	10,001,787
TOTAL Income	\$	16,664,829
EXPENSES:		
Retirement Benefits \$ 6,214,152		
Retirement Benefits\$ 6,214,152Refunds of Contributions182,890		
Refunds of Contributions	\$	6,692,023
Refunds of Contributions182,890Administrative Expenses294,981		6,692,023 9,972,806
Refunds of Contributions 182,890 Administrative Expenses 294,981 TOTAL Expenses	\$	
Refunds of Contributions182,890Administrative Expenses294,981TOTAL Expenses294,981Net Market Value Income for Fiscal 2017 (Income – Expenses)Unadjusted Fund Balance as of June 30, 2017	\$ \$	9,972,806

EXHIBIT VII FUNDING DEPOSIT ACCOUNT

Funding Deposit Account Balance as of June 30, 2016	\$ 2,068,558
Interest on Opening Balance at 7.00%	144,799
Contributions to the Funding Deposit Account	707,537
Withdrawals from the Funding Deposit Account	0
Funding Deposit Account Balance as of June 30, 2017	\$ 2,920,894

EXHIBIT VIII – Schedule A PENSION BENEFIT OBLIGATION

Present Value of Credited Projected Benefits Payable to Current Employees	\$ 63,818,013
Present Value of Benefits Payable to Terminated Employees	879,061
Present Value of Benefits Payable to Current Retirees and Beneficiaries	47,537,357
TOTAL PENSION BENEFIT OBLIGATION	\$ 112,234,431
NET ACTUARIAL VALUE OF ASSETS	\$ 93,125,749
Ratio of Net Actuarial Value of Assets to Pension Benefit Obligation	82.97%

EXHIBIT VIII – Schedule B ENTRY AGE NORMAL ACCRUED LIABILITIES

Accrued Liability for Active Employees	\$ 60,800,902
Accrued Liability for Terminated Employees	879,061
Accrued Liability for Current Retirees and Beneficiaries	47,537,357
TOTAL ENTRY AGE NORMAL ACCRUED LIABILITY	\$ 109,217,320
NET ACTUARIAL VALUE OF ASSETS	\$ 93,125,749
Ratio of Net Actuarial Value of Assets to Entry Age Normal Accrued Liability	85.27%

EXHIBIT IX CENSUS DATA

		Terminated with Funds			
	Active	on Deposit	DROP	Retired	Total
Number of members as of					
June 30, 2016	230	38	16	154	438
Additions to Census					
Initial membership	17				17
Omitted in error last year					
Death of another member				7	7
Adjustment for multiple records				3	3
Change in Status during Year					
Actives terminating service	(5)	5			
Actives who retired	(6)			6	
Actives entering DROP	(7)		7		
Term. members rehired	1	(1)			
Term. members who retire					
Retirees who are rehired					
Refunded who are rehired					
DROP participants retiring			(5)	5	
DROP returned to work	3		(3)		
Omitted in error last year					
Eliminated from Census					
Refund of contributions	(2)	(16)			(18)
Deaths	(2)			(11)	(13)
Included in error last year		(2)		(1)	(3)
Adjustment for multiple records					
Number of members as of					
June 30, 2017	229	24	15	163	431

ACTIVES CENSUS BY AGE:

Age	Number Male	Number Female	Total Number	Average Salary	Total Salary
21 - 25	1	0	1	55,945	55,945
26 - 30	2	9	11	33,971	373,683
31 - 35	2	12	14	45,044	630,615
36 - 40	1	17	18	46,764	841,757
41 - 45	4	18	22	43,686	961,085
46 - 50	2	31	33	50,973	1,682,124
51 - 55	3	39	42	58,826	2,470,683
56 - 60	5	33	38	57,181	2,172,889
61 - 65	2	35	37	56,540	2,091,971
66 - 70	4	14	18	76,901	1,384,209
71 - 75	5	3	8	104,793	838,347
76 - 80	0	2	2	94,650	189,300
TOTAL	31	213	244	56,117	13,692,608

THE ACTIVE CENSUS INCLUDES 126 ACTIVES WITH VESTED BENEFITS, INCLUDING 15 DROP PARTICIPANTS AND 21 ACTIVE FORMER DROP PARTICIPANTS.

TERMINATED MEMBERS DUE A DEFERRED RETIREMENT BENEFIT:

Age	Number Male	Number Female	Total Number	Average Benefit	Total Benefit
46 - 50	0	1	1	41,991	41,991
56 - 60	1	2	3	15,247	45,740
TOTAL	1	3	4	21,933	87,731

TERMINATED MEMBERS DUE A REFUND OF CONTRIBUTIONS:

Contribu	tion	ns Ranging		Total
From		То	Number	Contributions
0	-	99	9	372
100	-	499	5	1,303
500	-	999	2	1,503
2000	-	4999	1	4,453
5000	-	9999	2	16,196
10000	-	19999	1	13,289
		FOTAL	20	37,116

REGULAR RETIREES:

Age	Number Male	Number Female	Total Number	Average Benefit	Total Benefit
51 - 55	0	2	2	60,592	121,184
56 - 60	2	7	9	58,292	524,629
61 - 65	1	20	21	45,367	952 , 715
66 - 70	3	17	20	39,297	785,946
71 - 75	3	18	21	37,794	793,673
76 - 80	1	21	22	26,367	580,077
81 - 85	2	8	10	25,318	253,184
86 - 90	1	5	6	18,945	113,667
91 - 99	2	9	11	16,750	184,245
TOTAL	15	107	122	35,322	4,309,320

DISABILITY RETIREES:

Age	Number Male	Number Female	Total Number	Average Benefit	Total Benefit
71 - 75	0	1	1	14,541	14,541
TOTAL	0	1	1	14,541	14,541

SURVIVORS:

Age	Number Male	Number Female	Total Number	Average Benefit	Total Benefit
41 - 45	0	1	1	2,945	2,945
51 - 55	1	0	1	14,849	14,849
56 - 60	1	1	2	29,720	59,439
61 - 65	3	2	5	4,049	20,247
66 - 70	2	5	7	22,028	154,199
71 - 75	2	3	5	5,192	25,961
76 - 80	1	5	6	20,026	120,158
81 - 85	3	3	6	12,963	77,776
86 - 90	0	4	4	23,413	93,652
91 - 99	0	3	3	11,593	34,778
TOTAL	13	27	40	15,100	604,004

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G. S. Curran & Company, Ltd.

ACTIVE MEMBERS:

	Total	04090	4		Average Benefit	41,991 15,247	21,933
	30&Over		0		30&Over F		0
	25-29		0		25-29		0
Lty	20-24		0	ιty	20-24		0
Eligibili	15-19		0	HEFIT: Eligibility	15-19		0
Until Retirement Eligibility	10-14		0	'IREMENT BEN Retirement	10 - 14		0
	6 9	Ч	1	KED RET Until	2 2 3	41,991	41,991
Years	4	Ч	Ч	E A DEFERI Years	4	6,230	6,230
	m	н	Ч	EMBERS DUE	ლ ო	19,584	19,584
	N		0	OF TERMINATED MEMBERS	5		0
	-		0				0
	0	Ч	Ц	AL BENEFI'	0	19,926	19,926
	Attained Ages	0 - 45 46 - 50 51 - 55 56 - 60 61 & Over	Totals	AVERAGE ANNUAL BENEFITS	Attained Ages	0 - 45 46 - 50 51 - 55 56 - 60 61 & Over	Average

TERMINATED MEMBERS DUE A DEFERRED RETIREMENT BENEFIT:

-29-G. S. Curran & Company, Ltd.

SERVICE RETIREES:

Average Benefit 60,592 58,292 45,367 39,297 37,794 26,367 25,318 18,945 16,750 1 105101 105501 105501 122 0 35,322 Total 19,389 15,232 NЬ 16,420 30&Over 30&Over 13,184 31,608 20,380 15,395 25-29 0 0 1 I ى 25-29 19,390 18,619 18,247 9,377 14,704 20 - 2420 - 2450100 10 16,837 Completed Years Since Retirement Completed Years Since Retirement 21,139 12,600 15,023 $\sim \infty \infty$ \sim 10 17,303 15 - 1915 - 1923,943 28,799 43,493 31,301 19,258 28,666 28,666 10 - 1432,138 21 10 - 1432,885 29,401 29,840 54,015 თ თ Ч L 8 L H 24 49,325 32,401 ٦ ک T ம் 46,828 45,765 11,302 39,001 39,061 1 M H N \sim 4 4 AVERAGE ANNUAL BENEFITS PAYABLE TO SERVICE RETIREES: 76,666 43,145 43,909 52,260 040 Ч თ 56,607 с m 69,719 43,492 53,977 98,719 н о о н 10 75,200 60,051 \sim \sim 60,663 39,731 40,905 95,842 0 1 0 1 ى 62,119 Υ, Ч 51,465 63,749 47,179 28,021 58,691 37,534 12 47,260 н и и и и и 0 0 Over Over Average 550 650 850 850 90 550 550 650 850 850 900 Totals Attained Attained Ages Ages ī I I Т T I T I Т I જ 1 1 Т I I I ∞ 551 556 561 861 861 91 0 0

> -30-G. S. Curran & Company, Ltd.

DISABILITY RETIREES:

Completed Years Since Retirement

	Total	0 4 0	Ч			Average Benefit	0 14,541 0	14,541
	30&Over		0			30&Over		0
	25-29		0			25-29		0
	20-24		0		,	20-24		0
	15-19	Ч	Ч		Retirement	15-19	14,541	14,541
	10 - 14		0		Since	10-14		0
	2 - 2		0		Completed Years	ا م ا		0
- J	4		0	RETIREES:	Comp]	4		0
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	1		0	S PAYABLE		-		0
	0		0	L BENEFIT		0		0
	Attained Ages	0 - 70 71 - 75 76 & Over		AVERAGE ANNUAL BENEFITS PAYABLE TO DISA		-31-	0 - 70 71 - 75 76 & Over	Average
			G. S.	Cur	ran	& Con	npany, L	td.

Attained Ages	0	1	7	m	4	6 2	10-14	15-19	20-24	25-29	30&Over	Total
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AVERAGE ANNUAL	AL BENEFITS	FITS PAYABLE	ТО	SURVIVORS OF	F FORMER MEMBERS	TEMBERS:						
					Com	Completed Yea	ars Since	Retirement	lt			
Attained												15
Ages	0	-	0	ო	4	5 – 3	10 - 14	15-19	20-24	25-29	30&Over	Benefit
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1 - 4			2,945									2,945
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6 - 7				27,042	12,741		48,226			5,988		, 02
1 - 7						ľ	9,028	0		0	4,233	5,19
20 00 - 00 - 00		7.87.97				7,114	6,315	777777777777777777777777777777777777777	15,345	8,988 13,663		0,02 296
							38,303		₽) •)	,84	13,655	23,413
91 & Over						13,354			11,451		,97	1,59
Average	0	76,787	2,945	16,553	12,741	24,815	30,020	9,377	10,745	10,876	7,001	15,100

-32-G. S. Curran & Company, Ltd.

SURVIVING BENEFICIARIES OF FORMER MEMBERS:

EXHIBIT X YEAR-TO-YEAR COMPARISON

	Fiscal 2017	Fiscal 2016		Fiscal 2015	Fiscal 2014
Number of Active Members Number of Retirees & Survivors	244 163	246 154		231 156	241 151
Number of Terminated Due Deferred Benefits	4	5		5	5
Number Terminated Due Refunds	20	33		32	30
Active Lives Payroll	\$ 13,692,608	\$ 13,643,192	\$	13,071,698	\$ 13,079,549
Retiree Benefits in Payment	\$ 4,927,866	\$ 4,564,062	\$	4,231,309	\$ 3,715,197
Market Value of Assets	\$ 90,656,567	\$ 80,683,761	\$	81,330,087	\$ 80,478,691
Entry Age Normal Accrued Liability	\$ 109,217,320	\$ 105,994,592	\$	102,837,754	\$ 100,506,025
Ratio of AVA to EAN Accrued Liability	85.27%	83.18%		82.35%	78.40%
Actuarial Value of Assets	\$ 93,125,749	\$ 88,165,103	\$	84,688,309	\$ 78,797,020
Present Value of Future Employer Normal Cost	\$ 42,728,816	\$ 41,455,694	\$	39,380,381	\$ 40,146,082
Present Value of Future Employee Contrib.	\$ 7,763,556	\$ 7,454,359	\$	6,934,846	\$ 6,396,240
Funding Deposit Account Balance	\$ 2,920,894	\$ 2,068,558	\$	882,567	\$ 0
Present Value of Future Benefits	\$ 140,697,227	\$ 135,006,598	\$	130,120,969	\$ 125,339,342
	 Fiscal 2018	 Fiscal 2017	_	Fiscal 2016	 Fiscal 2015
Employee Contribution Rate	7.00%	7.00%		7.00%	7.00%
Estimated Tax Contribution as a % of Payroll	20.39%	21.23%		21.12%	20.38%
Actuarially Required Net Direct Employer Contribution Rate	14.27%	14.12%		14.70%	18.52%
Actual Employer Contribution Rate	17.00%	20.00%		22.50%	24.25%

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	Fiscal 2013 Fiscal 2012		Fiscal 2012	Fiscal 2011		Fiscal 2010		Fiscal 2009		Fiscal 2008	
	241 146 5 35		245 143 6 29		248 147 6 29		247 140 6 20		247 138 5 19		239 137 5 19
\$	13,086,633	\$	13,386,956	\$	13,027,410	\$	12,333,966	\$	11,753,384	\$	10,839,277
\$	3,398,509	\$	3,145,379	\$	3,112,965	\$	2,877,232	\$	2,777,346	\$	2,695,681
\$	69,206,200	\$	61,490,163	\$	63,415,774	\$	53,081,300	\$	48,785,175	\$	60,242,539
\$	96,236,913	\$	92,853,873	\$	85,924,089	\$	77,674,661	\$	71,914,060	\$	67,527,976
	73.83%		73.75%		78.45%		80.88%		84.12%		96.16%
\$	71,052,280	\$	68,481,599	\$	67,405,502	\$	62,823,395	\$	60,492,753	\$	64,932,257
\$	42,794,452	\$	43,553,440	\$	35,835,681	\$	31,548,014	\$	26,292,445	\$	16,438,175
\$	6,278,416	\$	6,721,009	\$	6,237,947	\$	6,064,371	\$	5,826,743	\$	5,405,249
\$	0	\$	0	\$	0	\$	0	\$	0	\$	0
\$	120,125,148	\$	118,756,048	\$	109,479,130	\$	100,435,780	\$	92,611,941	\$	86,775,681
_	Fiscal 2014		Fiscal 2013		Fiscal 2012		Fiscal 2011		Fiscal 2010		Fiscal 2009
	7.00%		7.00%		7.00%		7.00%		7.00%		7.00%
	19.30%		15.71%		15.71%		16.41%		16.84%		15.73%
	22.58%		23.73%		19.34%		15.35%		10.57%		3.29%
	24.25%		19.75%		15.50%		14.25%		3.50%		2.00%

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SUMMARY OF PRINCIPAL PLAN PROVISIONS

The Registrars of Voters Employees' Retirement System was established as of the first day of January nineteen hundred and fifty-five for the purpose of providing retirement allowances and other benefits. The following summary of plan provisions is for general informational purposes only and does not constitute a guarantee of benefits.

MEMBERSHIP – All Registrars of Voters, their deputies, and their permanent employees in each parish of the State of Louisiana. Also, any employee of the retirement system or the Louisiana Registrars of Voters' Association. Elected or appointed officials who have retired from service under any publicly funded retirement system within the state and who are currently receiving benefits are not eligible to become members of the system.

CONTRIBUTION RATES – Under the provisions of R.S. 11:62 and 11:103, the fund is financed by employee contributions of at least 7% but not more than 9% of earnable compensation as determined by the Board of Trustees. In addition, the fund receives revenue sharing funds as appropriated each year by the legislature. Also, under R.S. 11:82, each sheriff and ex-officio tax collector remits the employers' share of the actuarially required contribution to fund the system's defined benefit and defined contribution plans up to a maximum of one-sixteenth of one percent of the aggregate amount of the tax shown to be collected by the tax roll of each respective parish. Should employee contributions and tax funds collected from ad valorem taxes and revenue sharing funds be insufficient to provide for the gross employer actuarially required contribution, the employer is required to make direct contributions as determined by the Public Retirement Systems' Actuarial Committee. Under R.S. 11:106, the Board of Trustees is authorized to require a net direct contribution rate of up to three percent more than the rate determined under R.S. 11:103. Under R.S. 11:105 and R.S. 11:107, in any fiscal year during which the net direct employer contribution rates would otherwise be decreased, the Board of Trustees is authorized to set the employer contribution rate at any point between the previous year's employer contribution rate and the decreased rate that would otherwise occur. Any excess funds resulting from the additional contributions will be credited to the Funding Deposit Account defined in R.S. 11:107.1.

CONTRIBUTION REFUNDS – Upon withdrawal from service, members not entitled to a retirement allowance are paid a refund of accumulated contributions upon request. Receipt of such a refund cancels all accrued rights in the system.

FINAL AVERAGE COMPENSATION – For a member whose first employment making him eligible for membership in the system began on or before June 30, 2006, final average compensation is based on the average monthly earnings during the highest sixty consecutive months or joined months if service was interrupted, subject to certain transition rules. For those who retire on or before December 31, 2012, a thirty six month final average compensation period shall be used. For those retiring between January 1, 2013 and December 31, 2014 the number of months to be used in determining the final average compensation will be thirty-six plus the number of completed months since January 1, 2013. In no case shall the monthly final average compensation be less than the average monthly earnings during the member's highest thirty-six consecutive or joined months of service earned for employment before January 1, 2013. The earnings to be considered for each twelve month period within the sixty month period shall not exceed 125% of the preceding twelve month period.

For a member whose first employment making him eligible for membership in the system began after June 30, 2006, final average compensation is based on the average monthly earnings during the highest sixty consecutive months or joined months if service was interrupted.

RETIREMENT BENEFITS – Members whose first employment making them eligible for membership occurred prior to January 1, 2013 with ten years of creditable service may retire at age sixty; such members with twenty years of service may retire at age fifty-five; such members with thirty years of service may retire regardless of age. The annual retirement allowance for such members is equal to three and one-third percent of the member's average final compensation for each year of creditable service. Creditable service at retirement includes membership service, service as certified on prior service certificates, and any unused sick leave and any unused annual leave in excess of 300 hours at the date of retirement.

Members whose first employment making them eligible for membership occurred on or after January 1, 2013 with ten years of creditable service may retire at age sixty-two; such members with twenty years of service may retire at age sixty; such members with thirty years of service may retire at age fifty-five. The annual retirement allowance for such members is equal to three percent of the member's average final compensation for each year of creditable service. The annual amount of the retirement allowance for any member, who has at least thirty years of total creditable service, with at least twenty years of creditable service in this system, is three and one-third percent of the average final compensation for each year of creditable service at retirement includes membership service, service as certified on prior service certificates, and any unused sick leave and any unused annual leave in excess of 300 hours at the date of retirement.

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 that 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.

A member may also elect to receive an actuarially reduced benefit which provides for an automatic 2 ½% annual compound increase in monthly retirement benefits based on the reduced benefit and commencing on the later of age fifty-five or retirement anniversary; this COLA is in addition to any ad hoc COLAs which are payable.

DISABILITY BENEFITS – Ten years of creditable service are required in order to be eligible for disability benefits. Disabled members receive a normal retirement allowance if eligible. Otherwise, the

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member whose first employment making them eligible for membership occurred prior to January 1, 2013 receives the lesser of three and one-third percent of average final compensation multiplied by the number of years of creditable service (not to be less than fifteen years), or three and one-third percent of average final compensation multiplied by years of service assuming continued service to age sixty. Any member whose first employment making them eligible for membership occurred after January 1, 2013 receives the lesser of three percent of average final compensation multiplied by the number of years of creditable service (not to be less than fifteen years), or three percent of average final compensation multiplied by the number of years of creditable service (not to be less than fifteen years), or three percent of average final compensation multiplied by the number of years of creditable service (not to be less than fifteen years), or three percent of average final compensation multiplied by the number of years of creditable service (not to be less than fifteen years), or three percent of average final compensation multiplied by the number of years of creditable service (not to be less than fifteen years), or three percent of average final compensation multiplied by years of service assuming continued service to age sixty-two. Disability benefits may not exceed two-thirds of earnable compensation.

SURVIVOR BENEFITS – If a member has less than five years of service credit, the surviving spouse or minor children receive a refund of the member's contributions. If the member has at least five years of service credit and is not eligible to retire, the spouse receives an automatic option 2 benefit based on the accrued benefits at the time of death with option 2 factors based on the age that the member and spouse would have been had the member survived, continued in service, and then retired on earliest normal retirement date. If the member is eligible to retire at the date of death, the surviving spouse receives automatic option 2 benefits. If there are surviving minor or handicapped children with no surviving spouse and the member has five or more years of service credit the children receive eighty percent of the accrued retirement benefit in equal portions until the age of majority or for the duration of the handicap for a handicapped child. The retirement system pays a lump sum refund equal to the difference between total monthly survivor benefits paid and total accrued contributions, if any, upon the cessation of all eligible monthly payments.

DEFERRED RETIREMENT OPTION PLAN – In lieu of terminating employment and accepting a service retirement allowance, any member who is eligible for normal retirement may elect to participate in the Deferred Retirement Option Plan (DROP) for up to three years and defer the receipt of benefits. Upon commencement of participation in the plan, membership in the system terminates. During participation in the plan, monthly retirement benefits that would have been payable, had the person elected to cease employment and receive a service retirement allowance, are paid into the DROP fund. This fund does not earn interest. In addition, no cost of living increases are payable to participants until employment which made them eligible to become members of the system has been terminated for at least one full year.

Upon termination of employment prior to or at the end of the specified period of participation, a participant in the plan may receive, at his option, a lump sum from the account equal to the payments into the account, a true annuity based upon his account balance in that fund, or any other method of payment if approved by the Board of Trustees. The monthly benefits that were being paid into the DROP fund will begin to be paid to the retiree. If a participant dies during the participation in the plan, a lump sum equal to his account balance in the plan fund shall be paid to his named beneficiary or, if none, to his estate. If employment is not terminated at the end of the three years, payments into the plan fund cease and the person resumes active contributing membership in the system.

COST OF LIVING INCREASES – Under the provisions of R.S. 11:241, 11:246, and 11:2073, the Board of Trustees is authorized to grant retired members and widows of members who have retired at least two years, an annual cost of living increase of up to 3% of their original benefit, and to retired members and widows who are sixty-five years of age and older a 2% increase in their original benefit (or the benefit being received on October 1, 1977 if they retired prior to that time). 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 other cost of living increases the Board may grant an increase to retirees in the form " $X \times (A \& B)$ " where "A" is equal to the number of years of credited service accrued as retirement or death of the member or retiree and "B" is equal to the number of years since death of the member or retiree to June 30 of the initial year of increase and "X" is equal to any amount available for funding such increase up to a maximum of \$1.00.

DEFINED CONTRIBUTION PLAN – In accordance with R. S. 11:2139, dedicated taxes and revenue sharing funds contributed to the system in excess of those required contributions to the Pension Accumulation Fund, as established by the Public Retirement Systems Actuarial Committee, are deposited in the Members' Supplemental Savings Fund. The amount of funds deposited with the members' supplemental savings fund is three percent of the salaries paid to active contributing members during the prior fiscal year unless the Public Retirement Systems' Actuarial Committee recommends a lessor percentage based on available funds and the requirements of the Defined Benefit Plan. A member is entitled to payment of all contributions and interest credited to his account upon termination of employment. Payment to the member is made at the end of the calendar quarter following the quarter in which the member terminates. Interest and other earnings or losses are allocated at least once each year on the valuation date of the fund. Earnings or losses are allocated to members in proportion to their account balances as of the first day of the period for which earnings are credited.

The funds in the Member's Supplemental Savings Fund are invested separately from other funds held by the system and the funds constitute a separate trust. Payments, accruals, and allocations due to be made at the end of the fiscal year may be delayed until such time as the necessary financial information is available to the system's administrator, but in no event later than 6 months after the close of the fiscal year.

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 which 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 Annual Rate of Salary Increase Rates of Retirement Rates of Termination Rates of Disability Rates of Mortality	Decrease in Cost Increase in Cost Increase in Cost Decrease in Cost Increase in Cost Decrease in Cost			
ACTUARIAL COST METHOD:	The Aggregate Actuarial Cost Method with allocation based on earnings.			
VALUATION INTEREST RATE:	6.75% (Net of Investment Expense)			
ACTUARIAL ASSET VALUES:	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. The resulting smoothed values are subject to a corridor of 85% to 115% of the market value of assets. If the smoothed value falls outside the corridor, the actuarial value is set equal to the average of the corridor limit and the smoothed value.			
ANNUAL SALARY INCREASE RATE:	6.0 % (2.50% inflation / 3.50% merit)			
ACTIVE MEMBER MORTALITY:	RP 2000 Employee Table set back 4 years for males and set back 3 years for females			
ANNUITANT AND BENEFICIARY MORTALITY:	RP 2000 Healthy Annuitant Table set forward 1 year and projected to 2030 using Scale AA for males and projected to 2030 using Scale AA for females.			

RETIREE COST OF LIVING INCREASE:	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.
DATES OF DETIDEMENT.	The table of these rates is included later in the

RATES OF RETIREMENT: The table of these rates is included later in the report. These rates apply only to those individuals eligible to retire. The rate of retirement for persons who have completed DROP participation and have remained employed is 0.17.

RETIREMENT LIMITATIONS: Projected retirement benefits are not subjected to IRS Section 415 limits.

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

Service	Factor	Service	Factor
<1	0.100	7	0.030
1	0.080	8	0.030
2	0.060	9	0.020
3	0.050	10	0.020
4	0.040	11	0.020
5	0.040	12	0.020
6	0.030	>13	0.010

Note: Withdrawal rates for members eligible to retire are assumed to be zero.

after completing 1 year of Post-DROP service.

- RATES OF DROP ENTRY: A table of these rates is included later in the report. These rates apply only to those individuals eligible to enter DROP.DROP PARTICIPATION: All persons who enter DROP are assumed to participate for the full three-year period and retire
- MARRIAGE STATISTICS: 70% of the members are assumed to be married; husbands are assumed to be three years older than their wives.

FAMILY STATISTICS:

Assumptions utilized in determining the costs of various survivor benefits as listed below, are derived from the information provided in the 2015 U. S. Census:

Member's	% With	Number of	Average
Age	Children	Children	Age
25	70%	1.84	5
35	86%	2.13	9
45	75%	1.70	12
55	22%	1.42	14
65	4%	1.45	15

RATES OF DISABILITY: 15% 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.

of contribution refunds.

Females

DISABLED LIVES MORTALITY:

VESTING ELECTING PERCENTAGE:

SICK AND ANNUAL LEAVE:

Members are assumed to accrue one year of unused sick and annual leave to be credited for retirement benefit accrual purposes for each 16.67 years of Pre-DROP creditable service. Members are assumed to convert 0.22 years of sick and annual leave for every year of DROP Participation service and Post-DROP service in their Post-DROP benefit.

RP-2000 Disabled Lives Mortality Tables set back 5 years for Males and set back 3 years for

70% of those vested elect deferred benefits in lieu

ACTUARIAL TABLES AND RATES

Age	Disability Rates	Pre 2013 Hire Retirement Rates	Pre 2013 Hire DROP Entry Rates	Post 2012 Hire Retirement Rates	Post 2012 Hire DROP Entry Rates
18	0.00023	0.00000	0.00000	0.00000	0.00000
19	0.00023	0.00000	0.00000	0.00000	0.00000
20	0.00023	0.00000	0.00000	0.00000	0.00000
21	0.00023	0.00000	0.00000	0.00000	0.00000
22	0.00023	0.00000	0.00000	0.00000	0.00000
23	0.00023	0.00000	0.00000	0.00000	0.00000
24	0.00023	0.00000	0.00000	0.00000	0.00000
25	0.00023	0.00000	0.00000	0.00000	0.00000
26	0.00023	0.00000	0.00000	0.00000	0.00000
27	0.00023	0.00000	0.00000	0.00000	0.00000
28	0.00023	0.00000	0.00000	0.00000	0.00000
29 30	0.00023	0.00000	0.00000	0.00000	0.00000
30 31	0.00023	0.00000	0.00000	0.00000	0.00000
31	0.00023 0.00023	$0.00000 \\ 0.00000$	$0.00000 \\ 0.00000$	$0.00000 \\ 0.00000$	$0.00000 \\ 0.00000$
33	0.00023	0.00000	0.00000	0.00000	0.00000
34	0.00023	0.00000	0.00000	0.00000	0.00000
35	0.00025	0.00000	0.00000	0.00000	0.00000
36	0.00029	0.00000	0.00000	0.00000	0.00000
37	0.00031	0.00000	0.00000	0.00000	0.00000
38	0.00036	0.00000	0.00000	0.00000	0.00000
39	0.00041	0.00000	0.00000	0.00000	0.00000
40	0.00047	0.00000	0.00000	0.00000	0.00000
41	0.00053	0.00000	0.00000	0.00000	0.00000
42	0.00058	0.00000	0.00000	0.00000	0.00000
43	0.00066	0.00000	0.00000	0.00000	0.00000
44	0.00075	0.00000	0.00000	0.00000	0.00000
45 46	0.00086	0.00000	0.00000	0.00000	0.00000
40 47	$0.00098 \\ 0.00110$	$0.12000 \\ 0.12000$	$0.40000 \\ 0.40000$	$0.00000 \\ 0.00000$	$0.00000 \\ 0.00000$
48	0.00110	0.12000	0.40000	0.00000	0.00000
49	0.00123	0.12000	0.40000	0.00000	0.00000
50	0.00161	0.12000	0.40000	0.00000	0.00000
51	0.00183	0.12000	0.40000	0.00000	0.00000
52	0.00207	0.12000	0.40000	0.00000	0.00000
53	0.00236	0.12000	0.40000	0.00000	0.00000
54	0.00267	0.12000	0.40000	0.00000	0.00000
55	0.00303	0.06000	0.20000	0.12000	0.30000
56	0.00345	0.06000	0.20000	0.12000	0.30000
57	0.00392	0.06000	0.20000	0.12000	0.30000
58	0.00444	0.06000	0.20000	0.12000	0.30000
59 60	0.00505	0.06000	0.20000	0.12000	0.30000
60 61	0.00732	0.06000	0.20000	0.06000	0.20000
62	$0.00732 \\ 0.00732$	$0.06000 \\ 0.06000$	$0.20000 \\ 0.20000$	$0.06000 \\ 0.06000$	$0.20000 \\ 0.20000$
63	0.00732	0.06000	0.20000	0.06000	0.20000
64	0.00732	0.06000	0.20000	0.06000	0.20000
65	0.00732	0.06000	0.20000	0.06000	0.20000
66	0.00732	0.06000	0.20000	0.06000	0.20000
67	0.00732	0.06000	0.20000	0.06000	0.20000
68	0.00732	0.06000	0.20000	0.06000	0.20000
69	0.00732	0.06000	0.20000	0.06000	0.20000
70	0.00732	0.06000	0.20000	0.06000	0.20000
71	0.00732	0.06000	0.20000	0.06000	0.20000
72	0.00732	0.06000	0.20000	0.06000	0.20000
73 74	0.00732	0.06000	0.20000	0.06000	0.20000
74 75	0.00732	$0.06000 \\ 0.06000$	$0.20000 \\ 0.20000$	0.06000	0.20000
15	0.00732	0.00000	0.20000	0.06000	0.20000

ACTUARIAL TABLES AND RATES (Continued)

Age	Male Employee Mortality Rates	Female Employee Mortality Rates	Male Retired Mortality Rates	Female Retired Mortality Rates	Male Disabled Mortality Rates	Female Disabled Mortality Rates
18	0.00025	0.00017	0.00019	0.00012	0.02257	0.00745
19	0.00027	0.00018	0.00019	0.00012	0.02257	0.00745
20	0.00028	0.00018	0.00020	0.00012	0.02257	0.00745
21	0.00030	0.00019	0.00021	0.00011	0.02257	0.00745
22	0.00032	0.00019	0.00022	0.00012	0.02257	0.00745
23	0.00033	0.00019	0.00024	0.00012	0.02257	0.00745
24	0.00035	0.00019	0.00025	0.00013	0.02257	0.00745
25	0.00036	0.00019	0.00028	0.00014	0.02257	0.00745
26	0.00037	0.00020	0.00032	0.00015	0.02257	0.00745
27	0.00037	0.00020	0.00034	0.00016	0.02257	0.00745
28 29	0.00038	0.00021	0.00035	0.00016	0.02257	0.00745
30	0.00038 0.00038	$0.00021 \\ 0.00022$	$0.00038 \\ 0.00043$	0.00017 0.00020	0.02257 0.02257	$0.00745 \\ 0.00745$
31	0.00038	0.00022	0.00043	0.00020	0.02257	0.00745
32	0.00038	0.00024	0.00048	0.00024	0.02257	0.00745
33	0.00037	0.00025	0.00060	0.00020	0.02257	0.00745
34	0.00044	0.00020	0.00067	0.00030	0.02257	0.00745
35	0.00050	0.00035	0.00072	0.00034	0.02257	0.00745
36	0.00056	0.00039	0.00078	0.00036	0.02257	0.00745
37	0.00063	0.00044	0.00083	0.00037	0.02257	0.00745
38	0.00070	0.00047	0.00085	0.00039	0.02257	0.00745
39	0.00077	0.00051	0.00087	0.00041	0.02257	0.00745
40	0.00084	0.00055	0.00090	0.00045	0.02257	0.00745
41	0.00090	0.00060	0.00093	0.00049	0.02257	0.00745
42	0.00096	0.00065	0.00096	0.00054	0.02257	0.00745
43	0.00102	0.00071	0.00100	0.00060	0.02257	0.00745
44	0.00108	0.00077	0.00105	0.00065	0.02257	0.00745
45	0.00114	0.00085	0.00109	0.00069	0.02257	0.00745
46	0.00122	0.00094	0.00114	0.00073	0.02257	0.00745
47	0.00130	0.00103	0.00118	0.00077	0.02257	0.00745
48 49	0.00140	0.00112	0.00123	0.00083	0.02257	0.00745
50	$0.00151 \\ 0.00162$	0.00122 0.00133	$0.00320 \\ 0.00321$	$0.00090 \\ 0.00140$	0.02257 0.02257	$0.00818 \\ 0.00896$
51	0.00102	0.00133	0.00321	0.00140	0.02237	0.00890
52	0.00175	0.00143	0.00317	0.00152	0.02505	0.00978
53	0.00200	0.00168	0.00312	0.00202	0.02640	0.01154
54	0.00214	0.00181	0.00322	0.00236	0.02769	0.01248
55	0.00229	0.00197	0.00344	0.00277	0.02897	0.01346
56	0.00245	0.00213	0.00374	0.00328	0.03027	0.01446
57	0.00262	0.00232	0.00412	0.00377	0.03156	0.01550
58	0.00281	0.00253	0.00461	0.00423	0.03286	0.01654
59	0.00303	0.00276	0.00505	0.00476	0.03415	0.01760
60	0.00331	0.00301	0.00555	0.00533	0.03544	0.01865
61	0.00363	0.00329	0.00630	0.00595	0.03673	0.01971
62	0.00400	0.00360	0.00696	0.00662	0.03803	0.02077
63	0.00441	0.00393	0.00794	0.00732	0.03933	0.02184
64	0.00488	0.00429	0.00879	0.00808	0.04067	0.02294
65	0.00538	0.00466	0.00974	0.00892	0.04204	0.02408
66 67	0.00592	0.00504	0.01112	0.00982	0.04347	0.02529
67 68	0.00647 0.00703	0.00543	0.01229	$0.01079 \\ 0.01185$	0.04498	$0.02660 \\ 0.02803$
69	0.00703	$0.00582 \\ 0.00621$	0.01317 0.01455	0.01185	$0.04658 \\ 0.04831$	0.02803
70	0.00737	0.00621	0.01455	0.01304	0.04851	0.02939
71	0.00810	0.00695	0.01501	0.01440	0.05017	0.03132
72	0.00907	0.00729	0.01734	0.01551	0.05221	0.03533
73	0.00951	0.0072)	0.01/51	0.01725	0.05691	0.03764
74	0.00992	0.01858	0.02404	0.02062	0.05961	0.04014
75	0.02457	0.02067	0.02762	0.02209	0.06258	0.04285

PRIOR YEAR ASSUMPTIONS

VALUATION INTEREST RATE: 7.00% (Net of Investment Expense)

GLOSSARY

Accrued Benefit – The pension benefit that an individual has earned as of a specific dated based on the provisions of the plan and the individual's age, service, and salary as of that date.

Actuarial Accrued Liability – The actuarial present value of benefits payable to members of the fund less the present value of future normal costs attributable to the members.

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 the portion of the cost of a pension plan to be allocated to each year. Each cost method allocates a certain portion of the actuarial present value of benefits between the actuarial accrued liability and future normal costs. Once this allocation is made, a determination of the normal cost attributable to a specific year can be made along with the payment to amortize any unfunded actuarial accrued liability. To the extent that a particular funding method allocates a greater (lesser) portion of the actual present value of benefits to the actuarial accrued liability it will allocate less (more) to future normal costs.

Actuarial Equivalence – Payments or receipts with equal actuarial value on a given date when valued using the same set of actuarial assumptions.

Actuarial Gain (Loss) – The financial effect on the fund of the difference between the expected and actual experience of the fund. The experience may be related to investment earnings above (or below) those expected or changes in the liability structure due to fewer (or greater) than the expected numbers of retirements, deaths, disabilities, or withdrawals. In addition, other factors such as pay increases above (or below) those forecast can result in actuarial gains or losses. The effect of such gains (or losses) is to decrease (or increase) future costs.

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. Adjustments to market values are often made to reduce the volatility of asset values.

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.

Decrements – Events which result in the termination of membership in the system such as retirement, disability, withdrawal, or death.

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.

Funded Ratio – A measure of the ratio of assets to liabilities of the system according to a specific definition of those two values. Typically the assets used in the measure are the actuarial value of assets; the liabilities are defined by reference to some recognized actuarial funding method. Thus the funded ratio of a plan depends not only on the financial strength of the plan but also on the funding method used to determine the liabilities and the asset valuation method used to determine the assets in the ratio.

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 members expected final average compensation at retirement. For current retirees or terminated members this is equivalent to the actuarial present value of their accrued benefit.

Projected Benefits – The benefits expected to be paid in the future based on the provisions of the plan and the actuarial assumptions. The projected values are based on anticipated future advancement in age and accrual of service as well as increases in salary paid to the participant.

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

Vested Benefits – Benefits that the members are entitled to even if they withdraw from service.