

October 25, 2013

Board of Trustees
Louisiana State Employees' Retirement System
Post Office Box 44213
Baton Rouge, Louisiana 70804-4213

Ladies and Gentlemen:

This report presents the results of the actuarial valuation of assets and liabilities, as well as funding requirements, for the Louisiana State Employees' Retirement System as of June 30, 2013. The format of this report was designed with the intent of highlighting the pertinent results of the valuation and funding requirements.

In preparing this valuation, we have relied upon the information provided regarding plan provisions, plan membership, plan assets and other matters as detailed in the exhibits of this report. In particular, we have relied upon the statement of assets as audited by Duplantier, Hrapmann, Hogan & Mahers, LLP, Certified Public Accountants. We did not audit the data or plan assets but reviewed for reasonableness and consistency with prior year data. Our review concluded that the data is reasonable and consistent with the prior year's data.

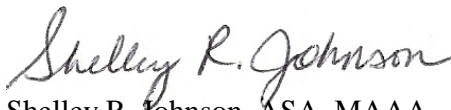
The present values shown herein have been calculated on the basis of the actuarial cost methods as specified in Louisiana Revised Statutes Title 11 Section 22(6). All actuarial assumptions and methods have been approved by the Board of Trustees and are appropriate for the purposes of this valuation unless otherwise stated herein. However, the use of another set of assumptions and methods could also be reasonable and could produce materially different results. Actual results may vary from assumptions used to prepare the valuation.

Exhibit 3, "Pension Accounting and Financial Disclosure", contains disclosure of the accrued liabilities required by the Governmental Accounting Standards Board Statement No. 25. This report has been prepared in accordance with generally accepted actuarial standards and practices, the applicable actuarial standards of practice, and to the best of our knowledge, fairly reflects the actuarial present value of accrued benefits of the Louisiana State Employees' Retirement System.

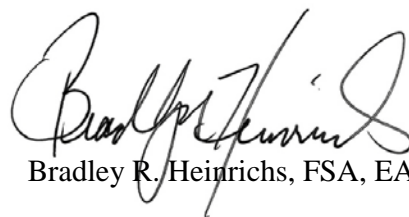
Shelley is an Associate in the Society of Actuaries and Brad is a Fellow in the Society of Actuaries. Shelley and Brad are members of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein.

Respectfully submitted,

FOSTER & FOSTER INC.



Shelley R. Johnson, ASA, MAAA



Bradley R. Heinrichs, FSA, EA, MAAA

TABLE OF CONTENTS

LETTER OF CERTIFICATION		<u>Pages</u>
SUMMARY OF VALUATION RESULTS		
	Summary of Valuation Results	2
	Projected Contribution Rates by Plan	3
	Changes in UAL and Funding Requirements	3
	Legislative/Plan Changes	5
	Actuarial Assets/Valuation Assets	5
	Plan Experience	6
	Funding of Administrative and Investment Expenses	7
	Funding of Future Post Retirement Benefit Increases	7
	Future Funding as a Percentage of Payroll	7
EXHIBIT 1	DEVELOPMENT OF COSTS, LIABILITIES & CONTRIBUTIONS	9 - 10
	Provides detail by benefit type of the cost to accrue annual pension benefits, liabilities accrued to date, and funding requirements	
EXHIBIT 2	FINANCIAL SUMMARY	11 - 14
	Contains the statement of revenue and expenses as well as assets available to pay pension benefits	
EXHIBIT 3	PENSION ACCOUNTING AND FINANCIAL DISCLOSURE	15- 17
	Disclosures and statistical tables in accordance with GASB's Statement No. 25	
EXHIBIT 4	CENSUS DATA	18 - 40
	Describes the employee data, data processing for valuation purposes, member reconciliation, and depicts employee profiles by classification, age and service	
EXHIBIT 5	SUMMARY OF PLAN PROVISIONS	41 - 50
	Restates in summary outline form the basic plan provisions which were incorporated in the projected retirement pension benefit	
EXHIBIT 6	ACTUARIAL COST METHODS AND ASSUMPTIONS	51 - 57
	Discloses rates of mortality, disability, retirement termination and other assumptions which are presumed to reflect the experience of the retirement system in aggregate	
EXHIBIT 7	AMORTIZATION SCHEDULE	58 - 62
	Exhibit 7-A – June 30, 2013	
	Exhibit 7-B – June 30, 2014 – Projected	
	Exhibit 7-C – UAL Outstanding Balance and Payment Schedule	
	Exhibit 7-D – Amortization Schedule Notes	
	Exhibit 7-E – Components of Original Amortization Base	
GLOSSARY		63 - 64

SUMMARY OF VALUATION RESULTS

A brief summary of the more important figures developed in this valuation, with comparable results from previous valuations are as follows:

	June 30, 2013	June 30, 2012	June 30, 2011
I. Membership Census			
1) Retirees	45,425	42,722	41,142
2) Actives	44,111	52,352	54,930
3) DROP	2,092	2,577	2,569
4) Terminated Vested	4,162	2,222	2,125
II. Annual Benefits	\$1,076,245,404	\$908,116,716	\$841,528,896
III. Total Payroll	1,951,987,750	2,341,703,286	2,408,839,604
IV. Valuation Assets	9,740,877,677	9,026,415,878	8,763,101,022
V. Experience Account	195,623,963	0	0
VI. Investment Yield			
Market Value (Total Assets)	11.81%	-0.10%	23.17%
Market Value (Excl. Self Directed, ORP)	12.19%	-0.20%	23.86%
Actuarial Value	14.05%	5.20%	5.45%
DROP	13.55%	4.70%	4.95%
VII. Total Normal Cost ¹	282,121,445	343,529,375	368,632,629
Total Normal Cost (% of Payroll) ¹	14.45%	14.67%	15.30%
Employer Normal Cost (% of Payroll)	6.54%	6.10%	6.78%
VIII. Unfunded Actuarial Accrued Liability	6,441,316,964	7,131,481,688	6,457,954,026
IX. Funded Percentage	60.2%	55.9%	57.6%
X. Funding Requirements (Mid-year payment)			
1) Employee Contribution	156,872,780	189,875,026	194,653,008
Employee Contribution Rate	7.915%	7.870%	7.844%
2) Employer Contribution	713,215,614	737,555,253	687,983,477
Plus Peace Officer appropriation ²	311,064	311,064	317,366
Plus Alc/Tob Control appropriation ²	81,344	81,344	81,868
Composite Rate (Current Year) ³	36.0%	30.6%	27.7%
3) Projected Employer Contribution	760,458,132	784,963,346	750,216,018 ⁴
Plus Peace Officer appropriation ²	311,064	311,064	311,064 ⁴
Plus Alc/Tob Control appropriation ²	81,344	81,344	81,344 ⁴
Proj. Composite Rate (Next Year) ³	37.4%	31.7%	29.4% ⁴

The above funding requirements measure the cost of benefits that were in effect on June 30, 2013, and Acts of the 2013 Regular Legislative Session.

¹ Excludes projected administrative expenses beginning June 30, 2013. This is a reporting change, not a funding change.

² Peace Officers appropriation is per Act 414 of 2007. Alcohol/Tobacco appropriation is per Act 740 of 2008.

³ Composite rate for all plans, net of Act 414 and Act 740 appropriations. See page 3 for employer rate applicable to each plan, per Act 1026 of 2010.

⁴ Revised from published 2011 Actuarial Valuation based on change in assumed rate of return, effective 7/1/2012.

Projected Contribution Rates by Plan:

The aggregate funding requirements for the Plan are shown in Exhibit 1. Act 1026 of the 2010 Legislative Session requires the employer contribution rate to be determined separately for each of the plans shown in the table below. The normal cost portion of each plan's employer contribution rate varies based upon that plan's benefits, member demographics, and the rate contributed by employees. The shared UAL contribution rate is determined in aggregate for all plans. The UAL established due to a specific plan or group of plans due to legislation will be allocated entirely to that plan or those plans. The Rank and File Employer Contribution Rate is applicable to Appellate Law Clerks, as determined by PRSAC, and was developed by including Appellate Law Clerk normal costs and payroll.

Projected Cost for Fiscal Year 2014/2015								
Plan	Plan Status on July 1, 2014	Normal Cost (excl Admin) %* (A)		Employee NC % (B)	Employer NC % (A)-(B)	Shared UAL %	Plan Specific UAL %	Total Employer Contribution %
		Rank & File - Traditional DB	Open	13.8%	7.7%	6.1%	30.8%	
Judges and Court Officers	Closed	22.2%	11.5%	10.7%	30.8%	0.0%	41.5%	
Legislators	Closed	21.9%	11.5%	10.4%	30.8%	0.0%	41.2%	
Corrections - Primary	Closed	18.1%	9.0%	9.1%	30.8%	0.0%	39.9%	
Corrections - Secondary	Closed	19.0%	9.0%	10.0%	30.8%	0.0%	40.8%	
Wildlife	Closed	25.6%	9.5%	16.1%	30.8%	0.0%	46.9%	
Peace Officers	Closed	19.7%	9.0%	10.7%	30.8%	0.0%	41.5%	
Alcohol Tobacco Control	Closed	23.0%	9.0%	14.0%	30.8%	0.0%	44.8%	
Bridge Police	Closed	12.9%	8.4%	4.5%	30.8%	0.0%	35.3%	
Judges (Act 992)	Open	18.4%	13.0%	5.4%	30.8%	0.0%	36.2%	
Hazardous Duty (Act 992)	Open	14.1%	9.5%	4.6%	30.8%	0.170%	35.6%	
Aggregate LASERS Plans		14.5%	7.9%	6.5%	30.8%	0.1%	37.4%	

The variation in normal cost by plan reflects differences in benefits, actuarial assumptions, and member demographics based on the projected unit credit cost method. One aspect of this method is that the normal cost increases for each member as the member approaches eligibility for benefits. If the average age of aggregate members within a plan increase, normal costs as a percentage of pay for that plan will increase, in the absence of other offsetting factors. Therefore, it is expected that the average normal cost for plans closed to new entrants and for newly created plans will increase in future years. However, the aggregate normal cost rate for all plans would be expected to remain fairly level if the total average membership age remains level. Given the expectation for an aging population within each plan, the Entry Age Normal cost method would result in more stable funding requirements by plan and should be considered.

Changes in UAL and Funding Requirements

The basic elements of the annual required contribution are the normal cost and amortization of the unfunded accrued liability (UAL). The normal cost is the annual cost to provide an additional year of benefit accrual. The normal cost is divided into the employee portion and the employer portion, both expressed as a percentage of payroll. Statutes provide for the amortization of the IUAL plus subsequent changes in benefits, methods or gain/loss experience.

The Actuarial Valuation for the plan year ending June 30, 2013, discloses a decrease in the value of the plan's unfunded accrued liability and a decrease in prospective funding requirements. However, the required employer contribution as a percentage of payroll has increased. Changes in the required contribution are usually the result of changes in actuarial assumptions, and/or gains or losses resulting from actual experience differing from expected plan experience, and expected changes in the UAL payment due to statutory requirements. Changes in the employer contribution rate are impacted by both the change in the total dollar required contribution and by the total aggregate payroll for active members. The increase in the projected employer rate for fiscal year 2014/2015 is primarily affected by the reduction in total payroll and by an increase in the contribution variance payment. This increase was offset by investment experience gains and by an experience gain from sources other than investment earnings.

The approximate impact of these events on the projected employer contribution rate is shown below. The total of the items contributing to the contribution rate change may not exactly equal the actual contribution rate change due to rounding and since the items impacting the rate are not additive and may overlap.

Aggregate Contribution Rate Change from FY 13/14 to FY 14/15

Normal Cost (Demographic change)	0.4%
UAL Payment	
Investment Experience Gain	-1.4%
Other Experience Gain	-1.8%
Experience Account Allocation	0.8%
Asset Valuation Method Change	-0.7%
Statutory Payment Increase	1.0%
Contribution Variance Payment Change	1.8%
Payroll Change	5.6%
Total	5.7%
Actual Contribution Rate Change	5.7%

A reconciliation of the change in the UAL from the prior year is shown below:

Change in Unfunded Actuarial Accrued Liability

Unfunded Liability - June 30, 2012		\$ 7,131,481,688
Interest on Unfunded Liability	\$ 570,518,534	
Employer Amortization Payment	(614,066,977)	
Employer Shortfall Deficit	78,318,188	
Net Investment Experience Gain ¹	(321,037,632)	
Other Experience Gain	(429,310,507)	
Experience Account Allocation	195,623,963	
Change in Asset Valuation Method	(170,210,294)	
Total Change		(690,164,725)
Unfunded Liability - June 30, 2013		\$ 6,441,316,964

¹ Net of investment expenses and excess investment earnings credited to DROP accounts

The aggregate employer contribution rate established by the Public Retirement Systems' Actuarial Committee for the 2013/14 plan year was 31.7%. The restated employer contribution rate determined by this valuation for the 2013/14 plan year is 36.0% (includes Act 414 and Act 740 appropriations). Therefore, an employer contribution deficit of 4.3% of payroll is expected next year.

Legislative/Plan Changes

Act 483 of 2012 created a cash balance plan for all non-hazardous duty members whose first employment for membership in a state retirement system affected by the Act occurred on or after July 1, 2013. The plan was suspended to July 1, 2014, during the 2013 legislative session. On June 28, 2013, the Louisiana Supreme Court ruled that the plan enacted in 2012 required a two-thirds vote of the legislature, which did not occur, so was unconstitutional. Given the Supreme Court's ruling, the plan will not take effect.

Actuarial Assets/Valuation Assets

Because the market value of assets can be volatile from one year to the next, an asset valuation method is generally used to adjust the market value of assets to smooth the effects of short-term volatility. The adjusted asset value is called the actuarial value of assets. The Board adopted a change in the asset valuation method, effective for the June 30, 2013 valuation. The method changed from smoothing (or gradually recognizing) unrealized appreciation/depreciation over four years to smoothing investment gains/losses relative to the assumed rate over five years. Under the current method, an increase in asset turnover may cause a significant change in the actuarial value of assets. The change was recommended in order to eliminate this aspect, to decrease contribution rate volatility even more so than current method by smoothing over five years rather than four, to bring continuity between other Louisiana State and Statewide retirement systems that have recently changed to this method, and to allow for better prediction of the impact of changes in funding requirements due to investment results.

The net increase in the actuarial value of assets due to the change in method, after adjusting for the portion of the interest to be credited to DROP accounts, is \$170,210,294. If the change had not occurred, the increase in assets would have been recognized gradually over the next 3 years. The increase in assets is a change in the timing of recognition of prior year's investment experience; therefore, a portion of this change will be allocated to the experience account. This change, less the portion allocated to the Experience Account, will be amortized over 30 years with level payments.

The gross actuarial assets represent the total assets to fund all liabilities of the pension plan as well as side-fund accounts dedicated for other purposes. The valuation assets exclude the side-fund accounts for purposes of determining the employer contribution rate as illustrated in Exhibit 2.

The side-fund accounts excluded from valuation assets are as follows:

- **Employer Credit Account:** This fund accumulates the excess of the minimum employer contribution rate established by Act 588 of 2004 over the rate determined by the required employer contribution, as restated in the current valuation. The account continues to have a zero balance.

- **Experience Account Fund:** The fund accumulates 50% of the excess investment gain relative to the expected return determine by the discount rate after such excess return exceeds \$100,000,000. The account is used to fund permanent benefit increases for retirees. The benefit increase granted must be funded at 100% of the actuarial cost. The account balance is restricted to the reserve for two permanent benefit increases. The current balance is \$195,623,963 which is the amount credited on June 30, 2013.

Plan Experience

The actuary is charged with recommending actuarial assumptions based on the best estimate of future plan experience to properly fund benefits. These assumptions, which are adopted by the Board of Trustees, are detailed in Exhibit 6 of the valuation report. The results of the actuarial valuation are dependent on the actuarial assumptions used. Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions, changes in economic or demographic assumptions, increases or decreases expected as part of the natural operation of the methodology used for these measurements, and changes in plan provisions or applicable law. If the actual experience differs from the projected plan measurements, an experience gain or loss occurs. This gain or loss is amortized over a 30 year period with level dollar payments.

Economic/Investment Experience

For the plan year ending June 30, 2013, the realized actuarial rate of return of 14.05% exceeded the assumed rate of 8.00%, used to discount benefits. This return is based upon the June 30, 2013 actuarial value of assets, which includes the change in asset valuation method. Therefore, the actuarial rate of return includes investment returns recognized in the prior plan year due to the change in method. The result was a net investment experience gain of \$321,037,632 relative to projected investment income, based on the actuarial value of assets prior to changing the asset valuation method. The additional net investment gain of \$170,210,294 due to the method change, after adjusting for the experience account allocation, will be amortized as a separate base. Both gains are net of the interest to be credited to DROP accounts.

Per Act 497, if the actuarial return exceeds the assumed rate, the first \$50,000,000 of investment gains will be used to reduce and re-amortize the OAB. The next \$50,000,000 of investment gains will be used to reduce and re-amortize the EAAB. Fifty percent of any additional excess return is credited to the Employee Experience Account. Therefore, the investment experience gain described above, less the portion allocated to the Experience Account, will be amortized over 30 years with level payments.

The historical geometric average rates of return on the actuarial value of assets, net of investment expenses, for plan years ending June 30 are as follows:

	Actuarial Rate of Return		Geometric Average
2009	-7.64%	5 Year	3.62%
2010	2.21%	10 Year	7.07%
2011	5.45%	20 Year	7.27%
2012	5.20%	25 Year	7.76%
2013	14.05%	30 Year	8.21%

Demographic Experience and Salary Assumptions

Demographic assumptions include rates of retirement/DROP, rates at which members become disabled, turnover rates, mortality rates, and several other demographic assumptions. Salary assumptions anticipate future salary increases. During the 2012/13 plan year, the system incurred a \$429,310,507 experience gain from plan experience differing from that anticipated by the demographic and salary assumptions. The experience gain includes a reduction for administrative expenses, as described below.

Funding of Administrative and Investment Expenses

The employer contribution rate is determined in accordance with R.S. 11 Section 102, which by omission of language regarding the funding of administrative expenses precludes funding of these expenses by a direct allocation through the employer contribution rate. These expenses are instead funded through the employer rate with the 30 year amortization of the experience loss.

Investment manager fees are treated as a direct offset to investment income.

Funding of Future Post Retirement Benefit Increases:

The liability for previously granted benefit increases is included in the retiree reserve. Louisiana law pertaining to LASERS retiree benefit increases provides for the funding of future increases by requiring the automatic transfer of a portion of excess investment earning to the Experience Account. The law does not provide for automatic benefit increases. Many conditions must be met before an increase can be granted, as described in the Post Retirement Increases section of the Summary of Plan Provisions in Exhibit 5 of this report. The legislature has the ultimate authority as to whether or not a future increase will be granted. Since a portion of investment earnings will be used to fund these benefits, which are not accrued benefits of the plan, the accrued benefits are discounted using a net discount rate. The net discount rate is determined as the gross expected long-term return less the expected return used to provide for future retiree benefit increases and investment expenses. The expected return used to determine the value of gain-sharing reflects LASERS specific gain sharing provisions: 50% of investment gains, determined using the actuarial value of assets, above the statutory hurdle of \$100 million. While the liabilities in this report do not explicitly include liabilities for future retiree benefit increases, the assumptions recognize that investment earnings will be diverted to fund benefits other than plan accrued benefits. Therefore, the employer contributions include the value of LASERS provisions for future retiree benefit increases. This disclosure is provided in accordance with Actuarial Standards of Practice No. 4.

Future Funding as a Percentage of Payroll

The employer pays a percentage of the normal cost, plus a dollar amount sufficient to amortize the unfunded liability as a percentage of payroll. Per constitutional provisions, the employer contribution rate cannot drop below 12%, without regard to employer credits, and without a corresponding adjustment to the employee contribution rate. Per statutory provisions, the employer contribution rate cannot drop below 15.5%.

Future payments to amortize the Original Amortization Base (which includes the Initial Unfunded Accrued Liability) and Experience Account Amortization Base will increase as shown in the following table, as required by Act 497 of 2010. All other schedules will have level payments.

Fiscal Year	Original Amortization Base	Experience Account Amortization Base
2013/2014 – 2015/2016	5.5%	5.5%
2016/2017 – 2017/2018	5.0%	5.0%
2018/2019 +	2.0%	Level Payments

If aggregate payroll increases at the same rate as the increase in amortization payments, this would allow the employer contribution rate attributable to the amortization payments to maintain a level percentage of payroll. During the last 4 years the aggregate salaries from all sources has decreased. If this trend continues, the percentage of pay required to amortize the unfunded liability can be expected to continue to increase in the absence of offsetting experience gains.

EXHIBIT 1
DEVELOPMENT OF
COSTS, LIABILITIES AND CONTRIBUTIONS

Normal Costs and Accrued Liabilities are calculated in accordance with the Projected Unit Credit Actuarial Cost Method, and the Actuarial Assumptions outlined in Exhibit 6 based on the Provisions of the Plan as summarized in Exhibit 5.

	<u>June 30, 2013</u>		<u>---- Prior Year ----</u> <u>June 30, 2012</u>	
	Dollar Amount	% of Salary	Dollar Amount	% of Salary
I. Normal Costs				
(to fund annual pension accruals)				
Active Members with Complete Data				
a) Retirement Benefits	222,650,233	11.41%	259,757,933	11.09%
b) Disability Benefits	5,608,138	0.29%	6,329,773	0.27%
c) Survivor Benefits	5,901,387	0.30%	6,949,735	0.30%
d) Voluntary Termination	47,961,687	2.46%	53,991,934	2.31%
e) Expenses ¹	0	0.00%	16,500,000	0.70%
TOTAL	<u>282,121,445</u>	<u>14.45%</u>	<u>343,529,375</u>	<u>14.67%</u>
II. Actuarial Accrued Liability				
a) Active Members				
1) Retirement Benefits	3,583,505,921		4,381,448,861	
2) Disability Benefits	74,591,294		92,370,629	
3) Survivor Benefits	73,463,663		91,227,907	
4) Voluntary Termination	469,360,271		562,678,212	
	<u>4,200,921,149</u>		<u>5,127,725,609</u>	
b) Retired and Inactive Members				
1) Regular Retirees	8,356,666,502		7,360,741,511	
2) Disability Benefits	281,953,712		273,268,019	
3) Survivors	646,869,392		660,965,505	
4) Vested Deferred	307,667,605		182,861,529	
5) Contributions Refunded	95,799,704		80,269,264	
6) DROP Deferred Benefits	1,348,248,971		1,597,322,115	
7) DROP Account Balances	938,035,164		868,143,454	
8) ORP Account Balances	6,032,442		6,600,560	
	<u>11,981,273,492</u>		<u>11,030,171,957</u>	
c) Total	16,182,194,641		16,157,897,566	

¹ Total Normal Cost excludes projected administrative expenses beginning June 30, 2013. Employer normal cost has historically excluded administrative expenses so this is a reporting change, not a funding change.

Exhibit 1 (Continued)
Costs, Liabilities & Contributions

II. Actuarial Accrued Liability	16,182,194,641	16,157,897,566
III. Valuation Assets	9,740,877,677	9,026,415,878
IV. Unfunded Actuarial Accrued Liabilities - Projected Unit Credit ¹	6,441,316,964	7,131,481,688
a) Change over prior year	(690,164,724)	673,527,662
b) Funded Percentage	60.2%	55.9%
V. Employer Contributions To Fund Current Plan Year ¹		
a) Employer Portion of Normal Cost	129,581,744	147,061,437
b) Amortization Payments	514,538,268	557,269,001
c) Prior Contribution Variance Amort. Pmt	69,488,010	33,617,223
TOTAL Required Contribution	<u>713,608,022</u>	<u>737,947,661</u>
Less, Act 414 appropriation	311,064	311,064
Less, Act 353 appropriation	81,344	81,344
NET contribution required	<u>713,215,614</u>	<u>737,555,253</u>
	36.0%	30.6%
PERSAC Approved rate ²	31.7%	29.4%
Projected Aggregate Employer Normal Cost Rate	6.5376%	6.0954%
Projected Rank and File Employer Normal Cost Rate	6.1428%	5.7244%
VI. Projected Employer Contributions To Fund Next Plan Year ¹		
a) Employer Portion of Normal Cost	132,773,370	151,063,053
b) Amortization Payments	533,892,910	576,035,965
c) Prior Contribution Variance Amort. Pmt	94,184,260	57,864,328
TOTAL Required Contribution	<u>760,850,540</u>	<u>784,963,346</u>
Less, Act 414 appropriation	311,064	311,064
Less, Act 353 & 740 appropriation	81,344	81,344
NET contribution required	<u>760,458,132</u>	<u>784,570,938</u>
	37.4%	31.7%
VII. Current Payroll	1,951,987,750	2,341,703,286
Projected Payroll - Mid Year	1,981,968,160	2,412,643,275
Projected Payroll - Next Year	2,030,784,463	2,478,292,514

¹ Dollar Amounts reflect estimated payments due mid-year on January 1st per Act 81.

² Constitutional Minimum is 12% without regard to Employer Credits.

EXHIBIT 2

**FINANCIAL SUMMARY
STATEMENT OF REVENUES AND EXPENSES
FOR FISCAL YEAR ENDING**

	----- Prior Years -----		
	<u>June 30, 2013</u>	<u>June 30, 2012</u>	<u>June 30, 2011</u>
<u>OPERATING REVENUES:</u>			
1. Contribution Income			
Member	\$ 173,357,802	\$ 192,795,057	\$ 197,825,267
Employer	648,450,038	636,621,556	557,563,381
ORP	579,670	664,364	619,726
2. Other Income			
Legislative Appropriations	0	0	0
Transfers/Purchases	25,885,296	26,963,750	8,203,932
Miscellaneous	7,921,598	5,477,508	5,868,838
TOTAL CONTRIBUTIONS	856,194,404	862,522,235	770,081,144
3. Investment Income			
Investments	1,164,780,598	47,231,594	1,913,899,326
Less Investment Expenses	(58,285,725)	(56,842,062)	(59,586,705)
NET INVESTMENT INCOME	1,106,494,873	(9,610,468)	1,854,312,621
4. Total Revenues	1,962,689,277	852,911,767	2,624,393,765
<u>OPERATING EXPENSES:</u>			
1. General Administration	15,907,599	15,500,163	14,951,127
Other Post Employment Benefits	982,754	999,650	1,310,517
Depreciation Expenses	2,041,894	1,941,249	1,919,628
2. Benefits Paid			
a) Pension Benefits	1,070,410,859	978,971,262	915,840,721
b) Return of Contrib.	61,522,162	43,221,742	41,553,896
TOTAL BENEFITS PAID	1,131,933,021	1,022,193,004	957,394,617
3. Total Expenses	\$ 1,150,865,268	\$ 1,040,634,066	\$ 975,575,889
<u>NET INCOME:</u>	\$ 811,824,009	\$ (187,722,299)	\$ 1,648,817,876

EXHIBIT 2 (Continued)
Financial Summary

**FINANCIAL SUMMARY
STATEMENT OF ASSETS
FOR FISCAL YEAR ENDING**

ASSETS (Market Value)	----Prior Years---		
	June 30, 2013	June 30, 2012	June 30, 2011
1. Short-Term Assets			
Cash/Cash Equivalencies	\$ 62,005,498	\$ 76,484,826	\$ 43,568,574
Short-Term Investments	310,972,110	240,781,998	324,678,431
2. Bonds			
Domestic Issues	1,340,180,058	1,344,720,844	1,737,187,044
International Issues	313,875,045	451,373,593	395,476,429
3. Equities			
Domestic Stock	2,929,817,566	2,538,708,299	2,483,417,237
International Stock	2,430,091,727	2,112,485,553	2,288,380,973
4. Other Assets			
Fixed Assets	6,373,829	8,106,259	9,872,111
Real Estate & Alternative Assets	2,904,008,123	2,611,544,725	2,390,566,594
5. Receivables(-)Payables	38,344,357	141,076,794	38,929,318
6. Securities Lending Assets - Liabilities	(8,069,962)	(9,508,549)	(8,580,070)
TOTAL ASSETS - Market Value	10,327,598,351	9,515,774,342	9,703,496,641
Cost Value	8,984,583,245	8,791,278,752	8,559,718,294

ACTUARIAL VALUE OF ASSETS

The Board of Trustees adopted a new asset valuation method, effective June 30, 2013. The prior method of determining the actuarial value of assets was the market value of assets adjusted for a four year weighted average of the unrealized gain or loss in the value of all assets. Realized gains and losses were immediately recognized. The adjusted asset value was subject to Corridor Limits of 80% to 120% of the Market Value of Assets. Due to this method's differing treatment of realized and unrealized gains and losses, an increase in asset turnover may cause a significant change in the actuarial value of assets.

The recently adopted method adjusts the market value of assets to gradually recognize investment gains and losses relative to the net assumed investment return, over a 5 year period in 20% increments. The adjusted asset value is subject to Corridor Limits of 80% to 120% of the Market Value of Assets.

EXHIBIT 2 (Continued)
Financial Summary

ACTUARIAL VALUE OF ASSETS (Prior Method)

ASSETS	----Prior Years---		
	June 30, 2013	June 30, 2012	June 30, 2011
Market Value of Assets	\$ 10,327,598,351	\$ 9,515,774,342	\$ 9,703,496,641
Change in Unrealized Appreciation:			
Current year - 2	1,258,628,704	698,024,720	(1,410,353,074)
Current Year -1	(419,282,757)	1,258,628,704	698,024,720
Current Year	618,519,516	(419,282,757)	1,258,628,704
Preliminary Actuarial Value of Assets	9,758,692,917	9,026,415,878	8,763,101,022
CORRIDOR LIMITS			
Minimum = 80% of Market Value	8,262,078,681	7,612,619,474	7,762,797,313
Maximum = 120% of Market Value	12,393,118,021	11,418,929,210	11,644,195,969
Actuarial Value of Assets	9,758,692,917	9,026,415,878	8,763,101,022

ACTUARIAL VALUE OF ASSETS (New Method, Effective 6/30/2013)

Plan Year	Asset G/L	Deferred %	Deferred \$
2010	\$ 560,609,610	20%	\$ 112,121,922
2011	1,187,600,194	40%	475,040,078
2012	(802,801,828)	60%	(481,681,097)
2013	357,019,760	80%	285,615,808
			\$ 391,096,711
Market Value of Assets			\$ 10,327,598,351
Deferred Asset Gain/Loss			391,096,711
Preliminary Actuarial Value of Assets			\$ 9,936,501,640
CORRIDOR LIMITS			
Minimum = 80% of Market Value			\$ 8,262,078,681
Maximum = 120% of Market Value			12,393,118,021
Actuarial Value of Assets			\$ 9,936,501,640

Actuarial Value of Assets - Prior Method	\$ 9,758,692,917
Actuarial Value of Assets - New Method	\$ 9,936,501,640
Change in AVA due to Change in Method	\$ 177,808,723

INVESTMENT YIELD:	----Prior Years---		
	June 30, 2013	June 30, 2012	June 30, 2011
Yield-to-Market Value (Total Assets)	11.81%	-0.10%	23.17%
Yield-to-MV (Excl. Self Directed, ORP)	12.19%	-0.20%	23.86%
Yield-to-Actuarial Value	14.05%	5.20%	5.45%
Five-Year Actuarial Value	3.62%	2.60%	4.29%
DROP Account Yield	13.55%	4.70%	4.95%

EXHIBIT 2 (Continued)
Financial Summary

**FINANCIAL SUMMARY
STATEMENT OF ASSETS
FOR FISCAL YEAR ENDING**

	<u>June 30, 2013</u>	<u>---- Prior Years ----</u>	
		<u>June 30, 2012</u>	<u>June 30, 2011</u>
<u>EMPLOYER CREDIT ACCOUNT</u>¹:			
Prior Year Ending Balance	\$ -	\$ -	\$ -
+ Current Year Allocation	-	-	-
- Current Year Disbursements	-	-	-
+ Accumulated Interest	-	-	-
Total Fund Balance - Year End	-	-	-
<u>INITIAL UAL AMORTIZATION FUND:</u>			
Prior Year Ending Balance	\$ -	\$ -	\$ -
+ Current Year Allocation	-	-	-
- Current Year Disbursements	-	-	-
+ Accumulated Interest	-	-	-
Total Fund Balance - Year End	-	-	-
<u>EXPERIENCE ACCOUNT FUND:</u>			
Prior Year Ending Balance	\$ -	\$ -	\$ -
+ Experience Account Allocation	195,623,963	-	-
- Benefit Disbursements	-	-	-
+ Accumulated Interest	-	-	-
Fund Balance - Year End	195,623,963	-	-
<u>DEVELOPMENT OF VALUATION ASSETS:</u>			
Actuarial Value of Assets	\$ 9,936,501,640	\$ 9,026,415,878	\$ 8,763,101,022
- Employer Credit Account	-	-	-
- Initial UAL Fund	-	-	-
- Experience Account Fund	195,623,963	-	-
Valuation Assets	9,740,877,677	9,026,415,878	8,763,101,022

¹ The Employer Credit Account was created by ACT 588 of 2004.

EXHIBIT 3**PENSION ACCOUNTING
AND
FINANCIAL DISCLOSURE**

The Governmental Accounting Standards Board (GASB) was established as an arm of the Financial Accounting Foundation in April 1984 by amendment to the Foundation's certificate of incorporation and by-laws. GASB's objective is to promulgate standards of financial accounting and reporting relative to the activities and transactions of state and local governmental entities. The following disclosures and statistical tables are in accordance with the GASB's Statement No. 25.

(Dollar amounts in thousands)

Actuarial Valuation Date	Actuarial Value of Assets ¹ (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded AAL (UAAL) ¹ (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Payroll ((b-a)/c)
2004	6,097,815	10,237,574	4,139,759	59.6%	2,017,726	205.2%
2005	6,673,500	10,847,062	4,173,562	61.5%	2,100,043	198.7%
2006	7,430,784	11,548,680	4,117,896	64.3%	1,979,705	208.0%
2007	8,345,495	12,421,907	4,076,412	67.2%	2,175,367	187.4%
2008	9,167,170	13,562,214	4,395,044	67.6%	2,436,956	180.3%
2009	8,499,662	13,986,847	5,487,185	60.8%	2,562,576	214.1%
2010	8,512,403	14,764,015	6,251,612	57.7%	2,546,457	245.5%
2011	8,763,101	15,221,055	6,457,954	57.6%	2,408,840	268.1%
2012	9,026,416	16,157,898	7,131,482	55.9%	2,341,703	304.5%
2013	9,740,878	16,182,195	6,441,317	60.2%	1,951,988	330.0%

The total actuarial accrued liability, determined using the Projected Unit Credit cost method, increased by \$24,297,075 from June 30, 2012, to June 30, 2013. There was a net investment gain of \$321,037,632 and an additional net investment gain \$170,210,294 due to a change in the asset valuation method. There was an experience gain from sources other than investments of \$429,310,507. A portion of the increase in assets due to investment earnings was allocated to the Experience Account rather than to reduce the unfunded actuarial accrued liability. See page 4 for complete allocation of change in UAAL.

¹ UAAL differs from the UFAL for funding purposes when the IUAL Account or Employer Credit Account hold fund balances. UFAL for funding purposes excludes the IUAL Account and the Employer Credit Account.

EXHIBIT 3 (Continued)
Pension Accounting & Financial Disclosure

SUPPLEMENTARY INFORMATION
SCHEDULE OF EMPLOYER CONTRIBUTIONS

Fiscal Year	Actuarial Required Contribution (ARC)	Percentage of ARC Contributed	Annual Pension Cost (APC)	Actual Contribution	Interest Adjusted Actual Contribution	Percentage of APC Contributed	Net Pension Obligation
2004	367,881,226	95.4%	364,930,168	337,155,760	350,787,845	96.1%	35,367,487
2005	411,727,561	99.2%	404,460,067	392,409,258	408,275,385	100.9%	31,552,169
2006	423,502,813	93.1%	415,185,175	378,792,624	394,108,196	94.9%	52,629,148
2007	434,796,738	97.0%	420,366,617	405,504,096	421,899,682	100.4%	51,096,083
2008	456,741,202	115.4%	440,894,520	506,484,759	526,963,256	119.5%	-34,972,651
2009	492,402,961	102.8%	491,379,499	486,590,324	506,264,437	103.0%	-49,857,589
2010	585,268,922	87.2%	590,821,448	490,701,310	510,541,641	86.4%	30,422,218
2011	678,123,319	85.5%	672,329,839	557,563,381	580,107,119	86.3%	122,644,938
2012	713,971,279	92.9%	698,486,059	637,285,920	663,053,048	94.9%	158,077,949
2013	752,809,646	89.6%	730,519,840	649,029,708	674,491,458	92.3%	214,106,330

The Actuarial Required Contribution and the Annual Pension Cost are interest adjusted at the valuation rate to the end of the fiscal year. Calculations are in accordance with GASB's Statement No 27, paragraph 21. The difference between the Actuarial Required Contribution and the Annual Pension Cost is the amortization payment for the Net Pension Obligation. (See Exhibit A.)

The percentage of ARC contributed provides a general indication of the funding progress for the liabilities of the LASERS. However, it should be noted that employers pay 100% of the required contribution based on a percentage of pay, which is determined following statutory requirements. The employer contribution rate is projected one year beyond the rate for which the ARC is determined. The resulting contribution variance between the ARC and the required employer rate can be either a credit or deficit. If it is a deficit, the deficit is amortized with level dollar payments over a five year period and paid through future employer contributions. If it is a surplus, the surplus is used to reduce and reamortize the existing UAL schedules.

DEVELOPMENT OF NET PENSION OBLIGATION:

(1) Actuarial Required Contribution	752,809,646
(2) Interest on Net Pension Obligation	12,646,237
(3) Amortization of Net Pension Obligation	<u>34,936,043</u>
(4) Annual Pension Cost (1)+(2)-(3)	730,519,840
(5) Employer Contribution	674,491,458
(6) Increase (decrease) in Net Pension Obligation	56,028,381
(7) Net Pension Obligation Beginning of Year	158,077,949
(8) Net Pension Obligation End of Year (6)+(7)	214,106,330

EXHIBIT 3 (Continued)
Pension Accounting & Financial Disclosure

STATISTICAL DATA

**COMPARATIVE SUMMARY OF REVENUES BY SOURCE
AND EXPENSES BY TYPE**

Revenues by Source				
Fiscal Year	Members Contribution	Employer Contribution ¹	Investment Income	Total
2004	163,277,178	345,317,005	996,067,481 ²	1,504,661,664
2005	169,143,849	429,233,725	650,345,828	1,248,723,402 ²
2006	165,509,666	457,965,781	833,207,981	1,456,683,428 ²
2007	167,957,870	428,614,645	1,472,840,599	2,069,413,114
2008	192,412,444	542,186,406	-357,912,195	376,686,655
2009	203,050,933	500,503,088	-1,739,762,198	-1,036,208,177
2010	205,328,033	503,391,304	1,139,301,483 ⁴	1,848,020,820
2011	197,825,267	572,255,877	1,854,312,621	2,624,393,765 ⁴
2012	192,795,057	669,727,178	-9,610,468	852,911,767
2013	173,357,802	682,836,602	1,106,494,873	1,962,689,277

Expenses by Type				
Fiscal Year	Benefits	Refunds	Administrative Expenses ³	Total
2004	573,152,747	28,760,064	13,424,318	615,337,129
2005	581,665,143	30,357,552	18,634,313	630,657,008
2006	620,367,483	37,821,549	16,041,572	674,230,604
2007	673,617,033	38,030,600	15,125,457	726,773,090
2008	718,303,319	32,149,383	19,493,731	769,946,433
2009	771,408,255	30,314,007	19,623,966	821,346,228
2010	829,236,652	35,676,509	18,897,997	883,811,158
2011	915,840,721	41,553,896	18,181,272	975,575,889
2012	978,971,262	43,221,742	18,441,062	1,040,634,066
2013	1,070,410,859	61,522,162	18,932,247	1,150,865,268

¹ Includes transfers and purchases and the annual employer contribution, and any legislative appropriations.

² The auditors have restated Net Income to include unrealized market value from the security lending program previously reported as \$889,281,150 for 2004 and \$98,865,745 for 2003. The adjustments were deemed immaterial for valuation purposes for prior years.

³ Includes other expenses, not related to the administration of daily operation. Beginning in 2008, includes the net OPEB obligation.

⁴ Amounts shown reflect values used in the 2010 actuarial valuation, rather than the restated 2010 Statement of Assets.

EXHIBIT 4
CENSUS DATA

LASERS provides the data for individual members of the system as of the valuation date. The validity of the results of any actuarial valuation is dependent upon the accuracy of the data base. Our review of submitted data is limited to validation of reasonableness and consistency in several areas, such as age, service, salary, and current benefits. 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. Records identified as containing suspicious data were assumed to possess the same characteristics of "good data" in the same cohort. Suspicious data are not necessarily errors, but data which fall outside the parameters of the editing process for further checking. The assigned values are based on information from similar records or based on historical averages for similarly situated members. 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.

The data contained in this valuation is summarized on the following pages with exceptions noted below. The profile depicted in the cellular graphs represents "error-free data," which serves as the basis for determining costs and liabilities. Active members are allocated to cells based upon attained age and years of service. Retirees and survivors are allocated to cells based upon attained age and years elapsed since retirement or commencement of benefits.

Salary data contained in the profiles and valuation report exceed the amount reported by internal audit due to salary annualization. In the valuation process, membership data with fractional service in the first year of employment annualizes the salary.

Disability retirees who have reached normal retirement eligibility requirements are considered regular retirees by LASERS but are classified as disability retirees for purposes of the actuarial valuation. Liabilities are calculated accordingly.

ACTIVE MEMBERS BY PLAN

	2013	2012	2011
Rank and File, Appellate Law Clerks	37,114	44,733	47,214
Legislators	12	12	20
Judges, Prior to 2011	298	308	320
Judges, Post 2011	22	12	3
Wildlife	190	204	222
Corrections Primary	375	460	557
Corrections Secondary	2,574	3,106	3,622
Peace Officers	79	84	93
Alcohol Tobacco Control	19	28	41
Bridge Police	7	11	12
Hazardous Duty Plan	1,596	1,258	522
Post DROP	1,825	2,136	2,304
Total Active Members	44,111	52,352	54,930

EXHIBIT 4 (Continued)
Census Data

TOTAL MEMBERS

	2013	2012	2011
Active Members	44,111	52,352	54,930
DROP Participants	2,092	2,577	2,569
Regular Retirees	37,145	34,513	32,897
Disability Retirees	2,554	2,544	2,586
Survivors	5,726	5,665	5,659
Terminated Vested & Reciprocal	4,162	2,222	2,125
Subtotal	95,790	99,873	100,766
Terminated, Due Refund	52,385	50,590	51,959
Total Members	148,175	150,463	152,725

MEMBER RECONCILIATION

	Active Pre-DROP	Active after DROP	Terminated Vested	In DROP	Retired, Disabled, Survivors	Total
June 30, 2012	50,216	2,136	2,222	2,577	42,722	99,873
Additions to Census						
Initial Membership	4,085		104			4,189
Data Revisions		1		1	45	47
Change in Status						0
Active to Terminated Vested	(2,265)		2,265			0
Active to In DROP	(681)			681		0
Active to Retired	(2,290)				2,290	0
Disabled to Active	1				(1)	0
Terminated Vested to Active	67		(67)			0
Terminated Vested to Retiree			(120)		120	0
In DROP to Active after DROP		354		(354)		0
In DROP to Retiree				(816)	816	0
Active After DROP to Retiree		(689)			689	0
Data Revisions	(2)	31	(12)	13	(30)	0
Eliminated from Census						
Refunded	(3,726)		(158)			(3,884)
Terminated, Due Refund	(3,013)		(4)			(3,017)
Deceased	(35)	(6)	(16)	(6)	(1,169)	(1,232)
Data Revisions	(71)	(2)	(52)	(4)	(57)	(186)
June 30, 2013	42,286	1,825	4,162	2,092	45,425	95,790

Foster & Foster, Actuaries and Consultants

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
REGULAR MEMBERS - BEFORE 7/06

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[20 - 24):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[25 - 29):	4	11	160	17	0	0	0	0	0	192
:	62880	274334	5000118	560973	0	0	0	0	0	5898305
:	:	:	:	:	:	:	:	:	:	:
[30 - 34):	4	20	849	515	26	1	0	0	0	1415
:	100101	618998	34928646	21059920	1102168	59578	0	0	0	57869411
:	:	:	:	:	:	:	:	:	:	:
[35 - 39):	8	27	678	1174	392	19	0	0	0	2298
:	199339	965773	27835044	55021033	17879436	1202709	0	0	0	103103334
:	:	:	:	:	:	:	:	:	:	:
[40 - 44):	6	18	614	1100	1042	428	28	0	0	3236
:	256289	738112	24826152	51930545	53259361	22589084	1678834	0	0	155278377
:	:	:	:	:	:	:	:	:	:	:
[45 - 49):	3	25	537	980	1041	1185	466	13	0	4250
:	106276	808835	21452154	42909810	50440847	66403078	25559600	727530	0	208408130
:	:	:	:	:	:	:	:	:	:	:
[50 - 54):	5	21	587	1021	965	1139	997	153	9	4897
:	446302	823580	23882339	42818130	43890794	60785453	57086949	9453240	547067	239733854
:	:	:	:	:	:	:	:	:	:	:
[55 - 59):	2	18	501	947	919	975	192	149	43	3746
:	139584	481481	20864735	39759118	43113441	51763629	11552771	10619590	2891515	181185864
:	:	:	:	:	:	:	:	:	:	:
[60 - 64):	0	4	284	381	329	220	95	84	44	1441
:	0	165309	11608788	17033104	16157289	12619421	5629035	6026094	3504098	72743138
:	:	:	:	:	:	:	:	:	:	:
[65 - 69):	0	4	81	134	120	100	47	26	16	528
:	0	122816	3292914	6396681	5725122	5168899	2898625	1481431	1039865	26126353
:	:	:	:	:	:	:	:	:	:	:
[70 - 74):	0	0	21	37	27	38	18	11	8	160
:	0	0	863619	1585073	1435216	1911007	951243	561088	495427	7802673
:	:	:	:	:	:	:	:	:	:	:
Total	32	148	4312	6306	4861	4105	1843	436	120	22163
:	1310771	4999238	174554509	279074387	233003674	222502858	105357057	28868973	8477972	1058149439

AVERAGES --- Attained Age 49.09
Service Years 16.23
Active Salary 47,744

Foster & Foster, Actuaries and Consultants

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
REGULAR MEMBERS - AFTER 7/06

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	47	9	0	0	0	0	0	0	0	56
:	859390	184168	0	0	0	0	0	0	0	1043558
[20 - 24):	490	444	24	0	0	0	0	0	0	958
:	10514965	10989652	629513	0	0	0	0	0	0	22134130
[25 - 29):	680	1667	490	0	0	0	0	0	0	2837
:	18640131	54015370	16982876	0	0	0	0	0	0	89638377
[30 - 34):	484	1269	912	5	0	0	0	0	0	2670
:	13890008	45353325	35332876	200198	0	0	0	0	0	94776407
[35 - 39):	339	934	671	7	1	0	0	0	0	1952
:	10917775	34376417	27113433	317707	34723	0	0	0	0	72760055
[40 - 44):	308	838	577	6	3	0	0	0	0	1732
:	10600968	31435922	24250652	320316	172735	0	0	0	0	66780593
[45 - 49):	256	721	532	10	0	3	0	0	0	1522
:	7765689	25963577	20755490	458422	0	145893	0	0	0	55089071
[50 - 54):	211	674	504	11	3	2	0	1	0	1406
:	6603455	24829243	19533921	624824	163467	162471	0	56160	0	51973541
[55 - 59):	99	510	496	7	5	3	1	1	0	1122
:	3205565	20085830	19492589	471729	303058	161048	40059	67885	0	43827763
[60 - 64):	34	173	203	0	2	0	0	0	0	412
:	1576011	7205851	8651291	0	155902	0	0	0	0	17589055
[65 - 69):	7	42	46	1	1	0	0	0	0	97
:	395981	2084575	2260217	61984	181422	0	0	0	0	4984179
[70 - 74):	2	5	8	0	0	0	0	0	0	15
:	54696	114626	231492	0	0	0	0	0	0	400814
Total :	2957	7286	4463	47	15	8	1	2	0	14779
Total :	85024633	256638556	175234350	2455180	1011307	469412	40059	124045	0	520997542

AVERAGES --- Attained Age 39.15
Service Years 3.35
Active Salary 35,253

Foster & Foster, Actuaries and Consultants

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
APPELLATE LAW CLERKS

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
[20 - 24):	0	0	0	0	0	0	0	0	0	0
[25 - 29):	0	4	0	0	0	0	0	0	0	4
[30 - 34):	0	9	6	0	0	0	0	0	0	15
[35 - 39):	0	2	13	4	1	0	0	0	0	20
[40 - 44):	0	2	7	12	6	1	0	0	0	28
[45 - 49):	0	1	5	7	9	6	1	0	0	29
[50 - 54):	0	3	3	7	7	5	10	2	0	37
[55 - 59):	0	2	3	7	2	3	4	5	0	26
[60 - 64):	0	0	3	1	1	1	5	0	0	11
[65 - 69):	0	0	0	1	1	0	0	0	0	2
[70 - 74):	0	0	0	0	0	0	0	0	0	0
Total :	0	23	40	39	27	16	20	7	0	172
Total :	0	1298989	2525314	2751437	2036051	1297152	1820478	694866	0	12424287

AVERAGES --- Attained Age 47.50
Service Years 14.13
Active Salary 72,234

Foster & Foster, Actuaries and Consultants

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
PARTICIPATING LEGISLATORS

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
[20 - 24):	0	0	0	0	0	0	0	0	0	0
[25 - 29):	0	0	0	0	0	0	0	0	0	0
[30 - 34):	0	0	0	0	0	0	0	0	0	0
[35 - 39):	0	0	0	0	0	0	0	0	0	0
[40 - 44):	0	0	1	0	0	0	0	0	0	1
	0	0	130000	0	0	0	0	0	0	130000
[45 - 49):	0	0	0	0	0	1	0	0	0	1
	0	0	0	0	0	124468	0	0	0	124468
[50 - 54):	0	0	0	0	0	1	0	0	0	1
	0	0	0	0	0	39190	0	0	0	39190
[55 - 59):	0	0	0	0	0	2	0	0	0	2
	0	0	0	0	0	181289	0	0	0	181289
[60 - 64):	0	0	1	0	0	1	1	1	0	4
	0	0	34422	0	0	76203	34124	33081	0	177830
[65 - 69):	0	0	1	0	0	0	0	1	0	2
	0	0	77989	0	0	0	0	215786	0	293775
[70 - 74):	0	0	0	0	0	0	1	0	0	1
	0	0	0	0	0	0	30846	0	0	30846
Total :	0	0	3	0	0	5	2	2	0	12
Total :	0	0	242411	0	0	421150	64970	248867	0	977398

AVERAGES --- Attained Age 59.56
Service Years 21.22
Active Salary 81,450

Foster & Foster, Actuaries and Consultants

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
ACTIVE JUDGES Pre-2011

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
[20 - 24):	0	0	0	0	0	0	0	0	0	0
[25 - 29):	0	0	0	0	0	0	0	0	0	0
[30 - 34):	0	1	0	0	0	0	0	0	0	1
	0	48175	0	0	0	0	0	0	0	48175
[35 - 39):	0	1	0	0	0	0	0	0	0	1
	0	125953	0	0	0	0	0	0	0	125953
[40 - 44):	0	15	3	1	1	0	0	0	0	20
	0	1880631	299383	137744	137744	0	0	0	0	2455502
[45 - 49):	0	10	6	9	6	2	0	0	0	33
	0	1254192	728930	1169671	745391	269221	0	0	0	4167405
[50 - 54):	0	15	9	15	17	4	0	0	0	60
	0	2048195	1183785	2037661	2339518	511439	0	0	0	8120598
[55 - 59):	0	12	1	17	29	13	2	1	0	75
	0	1586427	137744	2238256	3890046	1713894	281800	137744	0	9985911
[60 - 64):	0	1	2	11	19	15	6	1	0	55
	0	137744	275488	1436890	2572340	2046364	796297	137744	0	7402867
[65 - 69):	0	2	3	9	10	7	2	5	1	39
	0	275488	412702	1218146	1310115	944428	275488	693914	137743	5268024
[70 - 74):	0	1	1	1	5	2	1	3	0	14
	0	137744	137744	137744	661720	248153	137744	418315	0	1879164
Total :	0	58	25	63	87	43	11	10	1	298
Total :	0	7494549	3175776	8376112	11656874	5733499	1491329	1387717	137743	39453599

AVERAGES --- Attained Age 57.06
Service Years 14.47
Active Salary 132,395

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
ACTIVE JUDGES Post-1/2011

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
[20 - 24):	0	0	0	0	0	0	0	0	0	0
[25 - 29):	0	0	0	0	0	0	0	0	0	0
[30 - 34):	0	0	0	0	0	0	0	0	0	0
[35 - 39):	1 129600	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 129600
[40 - 44):	1 114788	3 413641	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4 528429
[45 - 49):	2 245124	3 413231	0 0	0 0	0 0	0 0	0 0	0 0	0 0	5 658355
[50 - 54):	4 495331	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4 495331
[55 - 59):	2 230314	5 694623	0 0	0 0	0 0	0 0	0 0	0 0	0 0	7 924937
[60 - 64):	0 0	1 137744	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 137744
[65 - 69):	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
[70 - 74):	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Total :	10	12	0	0	0	0	0	0	0	22
Total :	1215156	1659239	0	0	0	0	0	0	0	2874395

AVERAGES --- Attained Age 50.51
Service Years 1.15
Active Salary 130,654

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
HAZARDOUS DUTY PLAN

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	33	5	0	0	0	0	0	0	0	38
:	664348	136751	0	0	0	0	0	0	0	801099
[20 - 24):	182	109	0	0	0	0	0	0	0	291
:	4287490	3108110	0	0	0	0	0	0	0	7395600
[25 - 29):	155	146	10	0	0	0	0	0	0	311
:	3880709	4379093	362960	0	0	0	0	0	0	8622762
[30 - 34):	75	116	29	15	0	0	0	0	0	235
:	2390380	3763186	1155514	668249	0	0	0	0	0	7977329
[35 - 39):	58	70	17	19	10	0	0	0	0	174
:	1581600	2334860	743888	873036	550285	0	0	0	0	6083669
[40 - 44):	62	58	24	22	25	11	0	0	0	202
:	2112334	2075641	1009426	1059014	1166979	650092	0	0	0	8073486
[45 - 49):	45	54	14	15	15	14	0	0	0	157
:	1293979	1869411	567123	598521	674419	867353	0	0	0	5870806
[50 - 54):	34	40	13	10	8	7	1	0	0	113
:	1100359	1448274	572801	429973	363640	348853	48759	0	0	4312659
[55 - 59):	18	14	2	11	3	5	0	0	0	53
:	688147	533093	77419	520663	141651	256698	0	0	0	2217671
[60 - 64):	6	8	1	2	0	0	0	0	0	17
:	162482	290956	35693	83521	0	0	0	0	0	572652
[65 - 69):	1	4	0	0	0	0	0	0	0	5
:	48035	158247	0	0	0	0	0	0	0	206282
[70 - 74):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
Total :	669	624	110	94	61	37	1	0	0	1596
Total :	18209863	20097622	4524824	4232977	2896974	2122996	48759	0	0	52134015

AVERAGES --- Attained Age 35.25
Service Years 3.33
Active Salary 32,665

Foster & Foster, Actuaries and Consultants

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
CORR PRIMARY before 1986

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[20 - 24):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[25 - 29):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[30 - 34):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[35 - 39):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[40 - 44):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[45 - 49):	0	0	0	0	0	0	3	0	0	3
:	0	0	0	0	0	0	287851	0	0	287851
:	:	:	:	:	:	:	:	:	:	:
[50 - 54):	0	0	0	0	0	0	4	1	0	5
:	0	0	0	0	0	0	257149	72147	0	329296
:	:	:	:	:	:	:	:	:	:	:
[55 - 59):	0	0	0	0	0	0	7	1	0	8
:	0	0	0	0	0	0	448648	43445	0	492093
:	:	:	:	:	:	:	:	:	:	:
[60 - 64):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[65 - 69):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[70 - 74):	0	0	0	0	0	0	0	1	0	1
:	0	0	0	0	0	0	0	54576	0	54576
:	:	:	:	:	:	:	:	:	:	:
Total :	0	0	0	0	0	0	14	3	0	17
Total :	0	0	0	0	0	0	993648	170168	0	1163816

AVERAGES --- Attained Age 54.92
Service Years 28.24
Active Salary 68,460

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
CORR PRIMARY after 1986

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[20 - 24):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[25 - 29):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
[30 - 34):	0	1	0	2	0	0	0	0	0	3
:	0	34775	0	99255	0	0	0	0	0	134030
:	:	:	:	:	:	:	:	:	:	:
[35 - 39):	0	0	1	11	10	0	0	0	0	22
:	0	0	42598	446571	463844	0	0	0	0	953013
:	:	:	:	:	:	:	:	:	:	:
[40 - 44):	0	0	0	19	16	7	0	0	0	42
:	0	0	0	832324	804896	390024	0	0	0	2027244
:	:	:	:	:	:	:	:	:	:	:
[45 - 49):	0	0	0	16	27	26	0	0	0	69
:	0	0	0	673592	1307455	1546566	0	0	0	3527613
:	:	:	:	:	:	:	:	:	:	:
[50 - 54):	0	0	0	38	47	21	1	0	0	107
:	0	0	0	1653144	2321470	1166469	54184	0	0	5195267
:	:	:	:	:	:	:	:	:	:	:
[55 - 59):	0	0	0	34	37	15	3	0	0	89
:	0	0	0	1405177	1791214	786249	181377	0	0	4164017
:	:	:	:	:	:	:	:	:	:	:
[60 - 64):	0	0	0	9	8	1	3	0	0	21
:	0	0	0	343584	356645	65624	193156	0	0	959009
:	:	:	:	:	:	:	:	:	:	:
[65 - 69):	0	0	0	1	2	1	1	0	0	5
:	0	0	0	43680	95036	53947	54075	0	0	246738
:	:	:	:	:	:	:	:	:	:	:
[70 - 74):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	:	:	:	:	:	:	:	:	:	:
Total :	0	1	1	130	147	71	8	0	0	358
Total :	0	34775	42598	5497327	7140560	4008879	482792	0	0	17206931

AVERAGES --- Attained Age 51.43
Service Years 16.90
Active Salary 48,064

Foster & Foster, Actuaries and Consultants

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
CORRECTIONS SECONDARY

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:										
[20 - 24):	0	44	13	0	0	0	0	0	0	57
:	0	1281206	420219	0	0	0	0	0	0	1701425
:										
[25 - 29):	2	93	112	4	0	0	0	0	0	211
:	51339	2932208	3801955	158188	0	0	0	0	0	6943690
:										
[30 - 34):	1	72	181	108	8	0	0	0	0	370
:	13463	2332050	6725184	4499574	351825	0	0	0	0	13922096
:										
[35 - 39):	0	50	97	137	76	7	0	0	0	367
:	0	1614667	3566332	6194969	3747184	399120	0	0	0	15522272
:										
[40 - 44):	0	48	99	127	138	97	3	0	0	512
:	0	1628054	3704526	5737582	7261002	5790518	171783	0	0	24293465
:										
[45 - 49):	2	39	98	108	72	135	21	1	0	476
:	30539	1243486	3486960	4735759	3633309	8245754	1410102	101254	0	22887163
:										
[50 - 54):	0	30	75	75	34	57	16	3	0	290
:	0	1011437	2750119	3122227	1715750	3442310	1117258	179113	0	13338214
:										
[55 - 59):	1	24	56	46	22	24	8	1	2	184
:	12917	784077	1956286	2047970	1089235	1334537	541576	104208	143749	8014555
:										
[60 - 64):	0	9	31	17	10	5	0	2	0	74
:	0	282404	1173375	680549	549107	304679	0	136299	0	3126413
:										
[65 - 69):	0	2	13	6	6	1	2	0	0	30
:	0	59486	631435	336675	334708	67829	133599	0	0	1563732
:										
[70 - 74):	0	0	1	0	1	0	0	0	1	3
:	0	0	26270	0	45240	0	0	0	63461	134971
:										
Total :	6	411	776	628	367	326	50	7	3	2574
Total :	108258	13169075	28242661	27513493	18727360	19584747	3374318	520874	207210	111447996

AVERAGES --- Attained Age 42.74
Service Years 11.65
Active Salary 43,298

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
WILDLIFE

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:										
[20 - 24):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:										
[25 - 29):	0	10	12	0	0	0	0	0	0	22
:	0	365713	520864	0	0	0	0	0	0	886577
:										
[30 - 34):	1	7	33	5	0	0	0	0	0	46
:	30663	260766	1522299	252961	0	0	0	0	0	2066689
:										
[35 - 39):	0	3	7	24	9	1	0	0	0	44
:	0	113758	329303	1368397	520962	59509	0	0	0	2391929
:										
[40 - 44):	0	0	8	15	14	5	0	0	0	42
:	0	0	366912	868751	872753	355911	0	0	0	2464327
:										
[45 - 49):	0	0	2	6	6	7	0	0	0	21
:	0	0	98945	330976	386024	494730	0	0	0	1310675
:										
[50 - 54):	0	0	0	2	1	7	1	1	0	12
:	0	0	0	132951	69059	548956	67808	99691	0	918465
:										
[55 - 59):	0	0	0	0	1	1	0	0	0	2
:	0	0	0	0	64359	65832	0	0	0	130191
:										
[60 - 64):	0	0	0	1	0	0	0	0	0	1
:	0	0	0	64359	0	0	0	0	0	64359
:										
[65 - 69):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:										
[70 - 74):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:										
Total :	1	20	62	53	31	21	1	1	0	190
Total :	30663	740237	2838323	3018395	1913157	1524938	67808	99691	0	10233212

AVERAGES --- Attained Age 38.67
Service Years 11.85
Active Salary 53,859

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
PEACE OFFICERS

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
[20 - 24):	0	0	0	0	0	0	0	0	0	0
[25 - 29):	0	1	2	0	0	0	0	0	0	3
[30 - 34):	0	0	7	2	1	0	0	0	0	10
[35 - 39):	0	0	3	1	5	0	0	0	0	9
[40 - 44):	0	2	3	5	2	3	0	0	0	15
[45 - 49):	0	0	1	2	2	12	3	0	0	20
[50 - 54):	0	0	0	1	3	3	2	0	0	9
[55 - 59):	0	0	3	0	2	3	0	0	0	8
[60 - 64):	0	1	1	1	0	0	0	0	0	3
[65 - 69):	0	1	1	0	0	0	0	0	0	2
[70 - 74):	0	0	0	0	0	0	0	0	0	0
Total :	0	5	21	12	15	21	5	0	0	79
Total :	0	253532	927324	563502	749704	1211825	314010	0	0	4019897

AVERAGES --- Attained Age 45.57
Service Years 15.49
Active Salary 50,885

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
ALCOHOL TOBACCO CONTROL

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
[20 - 24):	0	0	0	0	0	0	0	0	0	0
[25 - 29):	0	0	1	0	0	0	0	0	0	1
[30 - 34):	0	0	2	0	0	0	0	0	0	2
[35 - 39):	0	0	2	2	0	0	0	0	0	4
[40 - 44):	0	0	0	0	1	1	0	0	0	2
[45 - 49):	0	0	0	0	1	5	0	0	0	6
[50 - 54):	0	0	0	0	1	2	0	0	0	3
[55 - 59):	0	0	0	0	0	0	0	0	0	0
[60 - 64):	1	0	0	0	0	0	0	0	0	1
[65 - 69):	0	0	0	0	0	0	0	0	0	0
[70 - 74):	0	0	0	0	0	0	0	0	0	0
Total	1	0	5	2	3	8	0	0	0	19
Total	34615	0	217346	83327	129475	474551	0	0	0	939314

AVERAGES --- Attained Age 43.93
Service Years 15.37
Active Salary 49,438

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
BRIDGE POLICE

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
[20 - 24):	0	0	0	0	0	0	0	0	0	0
[25 - 29):	0	1	0	0	0	0	0	0	0	1
	0	41768	0	0	0	0	0	0	0	41768
[30 - 34):	0	1	1	0	0	0	0	0	0	2
	0	41293	44450	0	0	0	0	0	0	85743
[35 - 39):	0	0	0	2	0	0	0	0	0	2
	0	0	0	95747	0	0	0	0	0	95747
[40 - 44):	0	0	0	0	0	0	0	0	0	0
[45 - 49):	0	0	0	0	0	0	1	0	0	1
	0	0	0	0	0	0	84173	0	0	84173
[50 - 54):	0	0	0	0	0	0	1	0	0	1
	0	0	0	0	0	0	58790	0	0	58790
[55 - 59):	0	0	0	0	0	0	0	0	0	0
[60 - 64):	0	0	0	0	0	0	0	0	0	0
[65 - 69):	0	0	0	0	0	0	0	0	0	0
[70 - 74):	0	0	0	0	0	0	0	0	0	0
Total :	0	2	1	2	0	0	2	0	0	7
Total :	0	83061	44450	95747	0	0	142963	0	0	366221

AVERAGES --- Attained Age 38.07
Service Years 12.83
Active Salary 52,317

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS RETIRED

STATE EMPLOYEES' SYSTEM
DROP PARTICIPANTS

CELLS DEPICT - MEMBER COUNT
TOTAL BENEFITS

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-2)	[2-3)	[3-4)	[4-5)	[5-10)	[10-15)	[15-20)	[20-)	Total
[0 - 39):	0	0	0	0	0	0	0	0	0	0
[40 - 44):	0	0	0	0	0	0	0	0	0	0
[45 - 49):	36	22	8	0	0	0	0	0	0	66
[50 - 54):	175	253	167	0	0	0	0	0	0	595
[55 - 59):	186	260	269	0	0	0	0	0	0	715
[60 - 64):	239	258	169	0	0	0	0	0	0	666
[65 - 69):	12	19	9	0	0	0	0	0	0	40
[70 - 74):	3	2	2	0	0	0	0	0	0	7
[75 - 79):	1	0	1	0	0	0	0	0	0	2
[80 - 84):	0	1	0	0	0	0	0	0	0	1
[85 - 89):	0	0	0	0	0	0	0	0	0	0
[90 - 99):	0	0	0	0	0	0	0	0	0	0
Total	652	815	625	0	0	0	0	0	0	2092
Total	22032384	27920928	21495180	0	0	0	0	0	0	71448492

AVERAGES --- Attained Age 57.25
Years Retired 1.50
Annual Benefit 34,153

Foster & Foster, Actuaries and Consultants

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
ACTIVE AFTER DROP

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY
DROP BENEFITS

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-2)	[2-3)	[3-4)	[4-5)	[5-10)	[10-15)	[15-20)	[20-)	Total
[0 - 34):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
[35 - 39):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
[40 - 44):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
[45 - 49):	0	1	0	0	3	2	0	0	0	6
:	0	65953	0	0	195879	176136	0	0	0	437968
:	0	35184	0	0	64524	48504	0	0	0	148212
[50 - 54):	82	61	22	13	4	21	1	0	0	204
:	3943397	3368049	1357118	721166	309337	1471105	65010	0	0	11235182
:	2808708	2052228	761508	374700	111876	399696	12756	0	0	6521472
[55 - 59):	147	111	81	57	30	61	18	0	0	505
:	7861283	6903056	4790549	3105707	1820037	3653442	1293036	0	0	29427110
:	5372784	4099572	2831832	1733496	940620	1564680	296328	0	0	16839312
[60 - 64):	115	87	82	69	68	136	19	1	0	577
:	5436374	4726775	5340913	4297581	4811499	9470259	1307224	70138	0	35460763
:	2602740	2006532	2792328	2139468	2485632	4289208	437112	17040	0	16770060
[65 - 69):	9	17	65	64	37	143	42	1	0	378
:	342111	783103	3174762	3159300	2080087	9711003	2943317	54576	0	22248259
:	84156	250236	1024980	1064100	694740	3620940	1114884	12324	0	7866360
[70 - 74):	2	3	2	6	3	78	53	8	0	155
:	84720	161707	73632	463544	175496	4163342	3677762	427485	0	9227688
:	23052	29616	13572	139140	53724	1031640	1105104	165600	0	2561448
Total :	355	280	252	209	145	441	133	10	0	1825
Total :	17667885	16008643	14736974	11747298	9392335	28645287	9286349	552199	0	108036970
Total :	10891440	8473368	7424220	5450904	4351116	10954668	2966184	194964	0	50706864

AVERAGES --- Attained Age 61.86
Post Drop Years 4.10
Active Salary 59,198
Annual Benefit 27,785

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
POST RETIREMENT SERVICE

CELLS DEPICT - MEMBER COUNT
TOTAL SALARY

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
[20 - 24):	0	0	0	0	0	0	0	0	0	0
[25 - 29):	0	0	0	0	0	0	0	0	0	0
[30 - 34):	0	0	0	0	0	0	0	0	0	0
[35 - 39):	0	0	0	0	0	0	0	0	0	0
[40 - 44):	1 64667	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 64667
[45 - 49):	3 45746	6 281251	1 66685	0 0	0 0	0 0	0 0	0 0	0 0	10 393682
[50 - 54):	9 261225	9 455270	4 164246	1 50586	0 0	0 0	0 0	0 0	0 0	23 931327
[55 - 59):	13 564695	11 737332	12 586007	8 460259	0 0	0 0	0 0	0 0	0 0	44 2348293
[60 - 64):	22 633046	19 1094218	8 485962	4 231027	0 0	0 0	0 0	0 0	0 0	53 2444253
[65 - 69):	10 363357	16 1309097	9 421247	4 292818	0 0	0 0	0 0	0 0	0 0	39 2386519
[70 - 74):	25 853075	26 1213170	13 487806	7 439926	0 0	0 0	0 0	0 0	0 0	71 2993977
Total :	83	87	47	24	0	0	0	0	0	241
Total :	2785811	5090338	2211953	1474616	0	0	0	0	0	11562718

AVERAGES --- Attained Age 63.57
Service Years 3.52
Active Salary 47,978

Foster & Foster, Actuaries and Consultants

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS RETIRED

STATE EMPLOYEES' SYSTEM
REGULAR RETIREES

CELLS DEPICT - MEMBER COUNT
TOTAL BENEFITS

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-2)	[2-3)	[3-4)	[4-5)	[5-10)	[10-15)	[15-20)	[20-)	Total
[0 - 39):	5	0	0	0	0	0	0	0	0	5
:	68040	0	0	0	0	0	0	0	0	68040
[40 - 44):	88	11	1	2	1	0	0	0	0	103
:	1415112	265704	7644	49080	9312	0	0	0	0	1746852
[45 - 49):	242	69	38	19	5	54	7	0	0	434
:	5786220	1970448	748440	324180	73452	982008	123804	0	0	10008552
[50 - 54):	621	378	282	152	91	271	155	5	0	1955
:	20993280	13398408	8567928	4809204	2533608	5506392	2271444	63948	0	58144212
[55 - 59):	826	653	613	509	403	1212	370	85	2	4673
:	29428548	25060524	23047584	18180492	13102236	32220456	5412972	1075524	33132	147561468
[60 - 64):	934	746	834	637	604	2971	961	198	12	7897
:	21225804	18363204	23081844	17771280	18473424	90669000	22554156	3093936	184164	215416812
[65 - 69):	238	233	405	441	396	3025	1994	514	61	7307
:	5412696	4942584	9209520	9021192	8286084	70583832	53867136	11694972	1316184	174334200
[70 - 74):	64	49	76	67	76	1281	2232	1029	366	5240
:	1759536	1310580	1451064	1545432	1611264	22733652	46441824	25454796	7948464	110256612
[75 - 79):	12	15	24	19	17	224	1205	1361	1148	4025
:	332556	323856	695892	544416	564564	4161420	21278940	27381804	23880228	79163676
[80 - 84):	4	2	7	7	2	45	273	931	1645	2916
:	112224	30864	177012	252996	32532	891744	5284152	16086204	27778104	50645832
[85 - 89):	1	0	2	0	1	5	51	225	1456	1741
:	18240	0	30852	0	29472	126720	759708	4689888	22373520	28028400
[90 - 99):	0	0	0	1	0	1	14	25	808	849
:	0	0	0	27012	0	52116	202644	628560	11294496	12204828
Total :	3035	2156	2282	1854	1596	9089	7262	4373	5498	37145
Total :	86552256	65666172	67017780	52525284	44715948	227927340	158196780	90169632	94808292	887579484

AVERAGES --- Attained Age 68.57
Years Retired 10.85
Annual Benefit 23,895

Foster & Foster, Actuaries and Consultants

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS RETIRED

STATE EMPLOYEES' SYSTEM
DISABILITY RETIREES

CELLS DEPICT - MEMBER COUNT
TOTAL BENEFITS

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-2)	[2-3)	[3-4)	[4-5)	[5-10)	[10-15)	[15-20)	[20-)	Total
[0 - 39):	2	5	1	0	2	0	1	0	0	11
:	34380	78900	8256	0	22428	0	10188	0	0	154152
[40 - 44):	6	5	9	6	3	7	0	0	0	36
:	78648	73692	202428	70308	47388	94596	0	0	0	567060
[45 - 49):	26	17	15	6	16	36	12	0	0	128
:	447036	325704	259068	98388	234120	481872	121284	0	0	1967472
[50 - 54):	27	28	33	21	17	64	63	14	7	274
:	615588	533652	649920	420600	355536	927672	766884	115140	49932	4434924
[55 - 59):	34	37	29	33	21	159	116	56	23	508
:	772080	611076	515760	664728	291084	2780136	1614240	603240	153288	8005632
[60 - 64):	0	6	15	16	20	139	162	87	54	499
:	0	135624	176940	245844	295812	2132784	2471760	1025964	535860	7020588
[65 - 69):	0	0	0	1	0	51	141	106	121	420
:	0	0	0	65088	0	627696	1840908	1409568	1203456	5146716
[70 - 74):	0	0	0	0	0	1	42	102	150	295
:	0	0	0	0	0	4404	489036	1152276	1431864	3077580
[75 - 79):	0	0	0	0	0	1	0	45	161	207
:	0	0	0	0	0	56376	0	445356	1485696	1987428
[80 - 84):	0	0	0	0	0	0	1	0	110	111
:	0	0	0	0	0	0	51060	0	1105788	1156848
[85 - 89):	0	0	0	0	0	0	0	0	51	51
:	0	0	0	0	0	0	0	0	457452	457452
[90 - 99):	0	0	0	0	0	0	0	0	14	14
:	0	0	0	0	0	0	0	0	119256	119256
Total :	95	98	102	83	79	458	538	410	691	2554
Total :	1947732	1758648	1812372	1564956	1246368	7105536	7365360	4751544	6542592	34095108

AVERAGES --- Attained Age 64.04
Years Retired 14.36
Annual Benefit 13,350

Foster & Foster, Actuaries and Consultants

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS RETIRED

STATE EMPLOYEES' SYSTEM
SURVIVOR BENEFITS

CELLS DEPICT - MEMBER COUNT
TOTAL BENEFITS

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-2)	[2-3)	[3-4)	[4-5)	[5-10)	[10-15)	[15-20)	[20-)	Total
[0 - 39):	19	27	30	19	24	121	122	90	106	558
:	435420	743268	913128	447540	629184	2745492	2174400	1353516	1390752	10832700
[40 - 44):	3	3	3	2	6	15	6	8	24	70
:	46644	75240	45012	30972	68712	271416	109680	98532	312768	1058976
[45 - 49):	4	2	8	2	5	15	8	11	15	70
:	89028	33276	225048	10164	42912	238740	90360	116580	233328	1079436
[50 - 54):	6	6	9	15	13	42	30	19	20	160
:	129984	96168	160812	362760	209352	564960	354948	241848	193128	2313960
[55 - 59):	12	19	16	17	18	57	38	19	27	223
:	306936	424752	440736	345900	372420	1023240	525876	289212	278148	4007220
[60 - 64):	20	22	16	27	23	132	86	47	64	437
:	503172	536184	276072	576900	609216	2574252	1607964	625032	648612	7957404
[65 - 69):	30	21	27	20	19	121	85	89	163	575
:	589500	371820	573264	468420	313824	2309064	1662528	1326948	1726368	9341736
[70 - 74):	26	34	19	28	19	113	101	104	317	761
:	427644	621216	392868	632484	348492	2007744	1660224	1595496	4068912	11755080
[75 - 79):	18	11	17	16	12	59	61	120	560	874
:	362436	249348	312780	322104	285276	989784	927096	1408200	6780996	11638020
[80 - 84):	6	6	11	8	7	42	26	71	669	846
:	186876	112308	234108	165792	167400	612420	335448	870360	7652520	10337232
[85 - 89):	3	3	1	4	1	6	12	29	702	761
:	57900	90708	17568	85560	13812	149964	131820	508020	7728396	8783748
[90 - 99):	0	0	0	0	0	1	2	2	386	391
:	0	0	0	0	0	21480	29304	42384	3923640	4016808
Total :	147	154	157	158	147	724	577	609	3053	5726
Total :	3135540	3354288	3591396	3448596	3060600	13508556	9609648	8476128	34937568	83122320

AVERAGES --- Attained Age 70.63
Years Retired 20.08
Annual Benefit 14,517

Foster & Foster, Actuaries and Consultants

MEMBERSHIP PROFILE
CATEGORIZED BY AGE AND YEARS EMPLOYED

STATE EMPLOYEES' SYSTEM
TERM-VESTED/RECIPROCAL

CELLS DEPICT - MEMBER COUNT
TOTAL BENEFITS

VALUATION DATE 6/30/2013

Age/Years:	(0-1)	[1-5)	[5-10)	[10-15)	[15-20)	[20-25)	[25-30)	[30-35)	[35-)	Total
[0 - 19):	0	0	0	0	0	0	0	0	0	0
:	0	0	0	0	0	0	0	0	0	0
:										
[20 - 24):	0	0	4	0	0	0	0	0	0	4
:	0	0	11286	0	0	0	0	0	0	11286
:										
[25 - 29):	5	4	87	0	0	0	0	0	0	96
:	12900	5724	416077	0	0	0	0	0	0	434701
:										
[30 - 34):	17	4	143	76	0	0	0	0	0	240
:	60840	10608	782865	889631	0	0	0	0	0	1743944
:										
[35 - 39):	8	0	117	240	35	0	0	0	0	400
:	27624	0	662908	3413864	671112	0	0	0	0	4775508
:										
[40 - 44):	12	3	125	349	129	14	0	0	0	632
:	36408	24780	733117	5272496	2766262	480385	0	0	0	9313448
:										
[45 - 49):	9	1	134	355	179	66	7	2	0	753
:	42960	360	759894	5339045	3777900	1985700	228660	67380	0	12201899
:										
[50 - 54):	17	0	109	418	233	65	34	2	0	878
:	112380	0	636915	5748776	4601097	1532616	1052861	65220	0	13749865
:										
[55 - 59):	22	2	100	425	289	72	7	1	0	918
:	82212	19284	656700	5649669	5441806	2067109	240084	35988	0	14192852
:										
[60 - 64):	12	2	17	82	33	12	4	1	1	164
:	35724	17068	160233	859716	501048	250668	98496	40764	68580	2032297
:										
[65 - 69):	3	0	2	26	9	2	1	0	1	44
:	15648	0	6960	217940	97368	26460	1140	0	82176	447692
:										
[70 - 74):	0	0	0	19	7	2	3	2	0	33
:	0	0	0	62640	21300	2748	10404	45492	0	142584
:										
Total :	105	16	838	1990	914	233	56	8	2	4162
Total :	426696	77824	4826955	27453777	17877893	6345686	1631645	254844	150756	59046076

AVERAGES --- Attained Age 48.85
Service Years 12.43
Annual Benefit 14,187

EXHIBIT 5

SUMMARY OF PLAN PROVISIONS

EFFECTIVE DATE:

July 1, 1947

EMPLOYEE:

Any person legally occupying a position in state service.

EMPLOYER:

The State of Louisiana or any of its boards, commissions, departments, agencies and courts which are contributing members and those approved for membership by the legislature from which any employee receives his compensation.

ELIGIBILITY FOR PARTICIPATION:

Condition of employment in state service except the following: elected or appointed officials or employees who are contributing members of any other state system; public officials and state employees who receive a per diem in lieu of compensation; persons employed prior to January 1, 1973, who work on a part-time basis and elect not to participate; patient or inmate help in state charitable, penal or correctional institutions; part-time students, interns and resident physicians; independent contractors; employees who are age 60 or older at time of employment; retirees of the retirement system who return to work under certain conditions; judges who failed to elect membership prior to October 2, 1976; civilian employees who on November 1, 1981, were within five years of retirement eligibility in the Federal Civil Service Retirement and Disability Fund; teachers employed after September 10, 1982; nurses employed from employment pools at state charity hospitals; temporary, seasonal, part-time employees of DOTC, or as defined in federal law.

SERVICE:

Service as an "Employee," defined above.

CREDITABLE SERVICE:

For service prior to January 1, 1973: 1/4 year granted for each 89 day interval of service, not to exceed one credit per fiscal year. Minimum 15 days required for 1st Quarter credit.

For service on or after January 1, 1973, a member shall receive credit based on the ratio of actual pay to the annual base per calendar year. Fractional service shall be rounded to the next highest 1/10th, not to exceed 100 percent per year.

EXHIBIT 5 (Continued)
Summary of Plan Provisions

ADDITIONAL CREDITABLE SERVICE:

1. Credit for service canceled by withdrawal of accumulated contributions may be restored by member by paying into system the amount withdrawn plus interest at the Actuarial Valuation rate.
2. Maximum of four years of credit for military service may be obtained for each member with at least two years service, contingent on payment of Actuarial Cost.
3. Credit for service which was classified as a job appointment or emergency appointment where the intended duration of employment exceeds two years service.
4. At retirement, all accumulated unused sick and annual leave shall be credited based on the following schedule:

1 - 26 Days	10% of a Year
27 - 52 Days	20% of a Year
53 - 78 Days	30% of a Year
79 - 104 Days	40% of a Year
105 - 130 Days	50% of a Year
131 - 156 Days	60% of a Year
157 - 182 Days	70% of a Year
183 - 208 Days	80% of a Year
209 - 234 Days	90% of a Year
235 - 260 Days	100% of a Year

Service credit for unused leave can be used for computation purpose only, not for eligibility. An actuarial equivalent lump sum is available after August 15, 1993.

EARNABLE COMPENSATION:

The base pay earned by an employee for a given pay period as reported by the employing agency. This includes the full amount earned by an employee, overtime, and per diem earned by an employee of the House of Representatives, the Senate, or an agency of the legislature, and expense allowances and per diem paid to members of the legislature, the clerk, or sergeant at arms of the House of Representatives and president and secretary or sergeant at arms of the Senate.

**AVERAGE FINAL COMPENSATION
FOR BENEFIT PURPOSES:**

The average annual earned compensation for the 36 highest months of successive employment, or the highest 36 successive joined months where interruption of service occurred; part-time employees use the base pay the part-time employee would have received had employment been full-time. Per Act 75 of 2005, average final compensation for Regular members, Bridge Police, and Appellate Law Clerks hired on or after July, 1, 2006, is determined as the 60 highest months of successive employment. Per Act 992 of 2010, average final compensation for Judges hired on or after January 1, 2011 and all members of the Hazardous Duty Plan is based on the highest 60 months. Compensation is limited by the 401a(17) compensation limit of the Internal Revenue Code for certain members.

EXHIBIT 5 (Continued)
Summary of Plan Provisions

ACCUMULATED CONTRIBUTIONS:

The sum of all amounts deducted from the earned compensation of a member and credited to the individual account in the employee's savings account, together with regular interest credited prior to July 1971.

EMPLOYEE CONTRIBUTIONS:

<u>Plan</u>	<u>Current Contribution</u>
Regular Employees and Appellate Law Clerks	
Pre Act 75 (hired before 7/1/2006)	7.5%
Post Act 75 (hired after 6/30/2006)	8.0%
Legislators	11.5%
Judges hired before 1/1/2011	11.5%
Judges hired after 12/31/2010	13%
Corrections Primary and Secondary	9.0%
Wildlife and Fisheries	9.5%
Peace Officers/Alcohol Tobacco Control	9.0%
Bridge Police	8.5%
Hazardous Duty	9.5%

EMPLOYER CONTRIBUTIONS:

Act 81 of 1988 requires the employer rate to be actuarially determined and set annually, based on the Public Retirement Systems' Actuarial Committee's recommendation to the Legislature. Act 1026 of the 2010 Legislative Session further requires that the employer contribution rate be determined separately by plan. The normal cost portion of each plan's employer contribution rate varies based upon that plan's benefits, member demographics, and the rate contributed by employees. The shared UAL contribution rate is determined in aggregate for all plans. The UAL established due to a specific plan or group of plans due to legislation will be allocated entirely to the applicable plan(s).

RETIREMENT BENEFIT:

NORMAL RETIREMENT:

Eligibility and Benefit:

Members whose first employment which makes them eligible for membership in a Louisiana state retirement system occurs on or after January 1, 2011:

1. Regular Plan: Eligible with 5 years at age 60. Benefit accrual rate is 2.5%.
2. Judges: Eligible with 5 years at age 60. Benefit accrual is 3.5%, plus regular plan benefits for prior service.

EXHIBIT 5 (Continued)
Summary of Plan Provisions

3. Hazardous Duty Plan: Eligible with 12 years at age 55 or 25 years at any age. Benefit accrual rate is 3.33% for service earned in the Hazardous Duty Plan if the last 10 years of service was earned in a hazardous duty position; otherwise, the accrual rate is 2.5%.

Members whose first employment which makes them eligible for membership in a Louisiana state retirement system occurs prior to January 1, 2011:

1. Regular members hired prior to July 1, 2006: Eligible with 10 years at age 60, or 25 years at age 55, or 30 years at any age. Regular members hired on or after July 1, 2006 are eligible with 5 years at age 60. Benefit accrual rate is 2.5% for all years of service.
2. Judges, Court Officers, and Appellate Law Clerks: Eligible with 18 years at any age, 10 years at age 65, 20 total years with at least 12 years as a judge or court officer at age 50, 12 years at age 55, or age 70 regardless of service. Judges and Court Officers earn 3.5% for year of service, plus regular plan benefits for prior service. Appellate Law Clerks earn 2.5% for all years of service.
3. Members of the legislature, governor, lieutenant governor and state treasurer: Eligible with 16 years of service at any age, 20 total years with at least 12 years as a member of this class at age 50, or 12 years at age 55. Members earn 3.5% per year of service, plus regular plan benefits for prior service.
4. Plans for certain employees of the Department of Public Safety and Corrections:
 - a. Corrections Primary, hired before 8/15/1986: Eligible with 10 years at age 60 or 20 years at any age. Benefit accrual rate is 2.5%.
 - b. Corrections Primary, hired between 8/15/1986 and 12/31/2001: Eligible with 10 years at age 60 or 20 years at age 50. Benefit accrual rate is 2.5%.
 - c. Corrections Secondary Plan, hired after 1/1/2002, or transferred from Corrections Primary Plan: Eligible with 10 years at age 60 or 25 years at any age. Benefit accrual rate is 3.33%.
5. Wildlife and Fisheries:
 - a. Members hired before July 1, 2003: 10 years at age 55, or 20 years at any age. Benefit accrual is 3.0% for service earned prior to July 1, 2003 and 3.33% for service earned after July 1, 2003.
 - b. Members hired on or after July 1, 2003: 10 years at age 60, or 25 years at any age. Benefit accrual is 3.33%.
6. Peace Officers: Eligible with 10 years of service and age 60 or at 25 years at age 55, or 30 years at any age. Benefit accrual is 3.33%.
7. Alcohol Tobacco Control: Eligible with 10 years of service and age 60 or at 25 years of service at any age. Benefit accrual is 3.33%.
8. Bridge Police: Eligible with 10 years at age 60, or 25 years at any age. Benefit accrual is 2.5%

NOTES:

- A. Benefit is limited to 100% of average compensation.

EXHIBIT 5 (Continued)
Summary of Plan Provisions

- B. Retirees who return to work will continue to receive unreduced benefits if compensation does not exceed 50% of the annual benefit during the fiscal year. Earnings above this limit will result in a corresponding reduction to benefits. Retirees who return to work may choose to suspend their retirement benefits and resume making contributions in the system. Upon subsequent retirement, benefit will resume. If post-retirement employment is at least 36 months, a supplemental benefit will be calculated. Otherwise, employee contributions will be refunded.
- C. A \$300 annual supplemental benefit is provided to persons who become members of the retirement system prior to July 1, 1986 (Act 608 of 1986).
- D. For members employed after January 1, 1990, the annual pension paid from the trust cannot exceed the maximum benefit provided under Section 415(b) of the Internal Revenue Service Code, and related Section 415 regulations, as adjusted for inflation and form of benefit other than life annuity or qualified joint and survivor annuity for retirement ages as follows:

<u>Age</u>	<u>Maximum</u>	<u>Age</u>	<u>Maximum</u>	<u>Age</u>	<u>Maximum</u>
48	\$ 58,896	56	\$ 117,925	64	\$ 205,000
49	64,094	57	129,029	65	205,000
50	69,791	58	141,296	66	205,000
51	76,039	59	154,865	67	205,000
52	82,895	60	169,889	68	205,000
53	90,430	61	186,539	69	205,000
54	98,721	62	205,000	70	205,000
55	107,856	63	205,000		

ACTUARIALLY REDUCED RETIREMENT:

Members with 20 years of service credit at any age are eligible for an actuarially reduced benefit from the earliest date member would be eligible if employment had continued, to the earliest normal retirement date, based on service earned to date. This does not apply to the correctional secondary plan members or wildlife agents hired on or after July 1, 2003.

POST RETIREMENT INCREASES:

Permanent benefit increases, previously referred to as cost of living adjustments, may be granted, with legislative approval, provided there are sufficient funds in the Experience Account to fully fund the increase on an actuarial basis. Beginning July 1, 2009, the Experience Account is credited with fifty percent of excess investment income above \$100,000,000. Excess investment income is net investment income over the actuarial valuation rate of 8.00%. Balances in the Experience Account accrue interest at the average actuarial yield for the System portfolio. The Experience Account balance is limited to the funds necessary to fund two benefit increases. The Experience Account is debited for the increase in actuarial accrued liability resulting from the increases.

EXHIBIT 5 (Continued)
Summary of Plan Provisions

If the actuarial rate of return for the prior fiscal year is at least 8.25%, regardless of the actuarial valuation rate, the benefit increase is limited to the lesser of 3% or the increase in the CPI-U for the calendar year immediately preceding the increase. If the actuarial rate of return for the prior fiscal year is less than 8.25%, regardless of the actuarial valuation rate, the benefit increase is limited to the lesser of 2% or the increase in the CPI-U for the calendar year immediately preceding the increase, provided the System is at least 80% funded.

If the actuarial rate of return for the prior fiscal year is less than the actuarial valuation rate and the System is not at least 80% funded, no increase can be granted.

Benefits are restricted to those retirees who have attained the age of 60 and have been retired for at least one year. The minimum age of 60 for the receipt of a benefit increase does not apply to disability retirees. The increase shall be based on the first seventy thousand dollars of the retiree's annual benefit, indexed annually for years after 1999.

MINIMUM BENEFITS:

Effective September 1, 2001, retirees and beneficiaries receiving retirement benefits shall be entitled to a minimum benefit which is not less than \$30.00 per month for each year of creditable service. The minimum benefit is adjusted for the option elected at retirement.

DISABILITY RETIREMENT:**Eligibility:**

Ten years of creditable service and certification of disability by medical board. (Medical examination may be required once per year for the first five years of disability retirement, and once every three years thereafter, until age 60.)

Benefit:

- 1) The disability retirement annuity shall be equivalent to the regular retirement formula without reduction by reason of age for all classes of membership.
- 2) For judges and court officers, the benefit in (1) but not less than 50% of current salary.
- 3) Members of the Corrections Primary Plan with disabilities incurred in the line of duty may retire with 60% of their final average compensation, regardless of years of service. Disabilities incurred not in the line of duty paid according to (1) above.
- 4) Members of the Corrections Secondary Plan with disabilities incurred in the line of duty may retire with 40% of their final average compensation regardless of service. If the member has 10 or more years of service, the benefit will be the greater of 40% of final average compensation or the benefit determined by (1) above. Disabilities incurred not in the line of duty determined according to (1) above.
- 5) For certain Wildlife agents; partial disabilities not eligible for (1) above receive 75% of the benefit in (1); members totally disabled while in the line of duty receive 60% of average compensation.
- 6) Members of the Hazardous Duty Plan with disabilities incurred in the line of duty may retire with 75% of their final average compensation, regardless of years of service. Disabilities incurred not in the line of duty paid according to (1) above.

EXHIBIT 5 (Continued)
Summary of Plan Provisions

SURVIVOR'S BENEFITS:

Members whose first employment which makes them eligible for membership in a Louisiana state retirement system occurs on or after January 1, 2011, or members of the Hazardous Duty Plan regardless of when hired:

Eligibility and Benefit:

1. Regular Members and Judges
 - a. Surviving spouse with minor children of a deceased member with five years of service credit, two of which were earned immediately prior to death, or 20 years of service will receive 50% of the retirement benefit that would have been due the member, or \$600 per month if greater. Each qualifying child will receive 50% of the spouses benefit, up to 2 children. The total paid to the spouse and children subject to a minimum based on the Option 2A equivalent for the surviving spouse.
 - b. Surviving spouse, legally married one year prior to death, of a deceased member with 10 years of service credit, two of which were earned immediately prior to death, or 20 years of service regardless of date earned will receive the Option 2A equivalent of the retirement benefit that would have been due the member, or \$600 per month if greater.
 - c. Surviving minor children will each (up to two) receive 50% of the benefit paid to a surviving spouse with children. This amount will be divided equally among all eligible children.
 - d. Surviving handicapped or mentally retarded children continue to receive a minor child's benefit described above in (1) or (3) whichever is applicable.
2. Hazardous duty members:
 - a. Surviving spouse and children of members who did not die in the line of duty receive benefits described for non-Hazardous Duty members
 - b. Surviving spouse and children of members who died in the line of duty receive 80% of the member's final average compensation. The benefit is shared equally.
 - c. Surviving spouse of a retired member will receive 75% of members' monthly benefit. If no spouse, then surviving children receive 1.c. above.
3. If no one eligible to receive a survivor benefit, then the named beneficiary will receive the member's accumulated contributions.

Members whose first employment which makes them eligible for membership in a Louisiana state retirement system occurs prior to January 1, 2011:

Eligibility and Benefit:

1. Regular members:
 - a. Surviving spouse, legally married one year prior to death, of a deceased member with 10 years of service credit, two of which were earned immediately prior to death, or 20 years of service regardless of date earned, receive the greater of 50% of member's average compensation or \$200 per month.

EXHIBIT 5 (Continued)
Summary of Plan Provisions

- b. If member with no spouse has surviving minor child, and 5 years of service credit, two of which were earned immediately prior to death, or 20 years of service regardless of date earned, minor children receive the greater of 75% of member's average compensation or \$300 per month.
 - c. For surviving spouse with minor children, the spouse must be eligible per (a) above and the children per (b) above to receive these benefits. If either one is ineligible, then the criteria in (a) or (b) would apply accordingly.
 - d. Surviving handicapped or mentally retarded children continue to receive a minor child's benefit described above in (1a) or (1c) whichever is applicable.
2. Surviving spouse of a judge or court officer receive survivor's benefit described in (1a) or (1b), but not less than the greater of 1/3 the member's current compensation, 50% of the retirement pay which such member was entitled or receiving prior to death, or 50% of the members final average compensation (if the provisions of R.S. 11:471 are met). Benefit limited to 75% of average compensation.
3. Corrections
- a. In the line of duty:
 - i. Surviving spouse with no minor children: 60% of average compensation if member had less than 25 years of service, or 75% of average compensation if member had 25 or more years of service.
 - ii. Minor children or disabled children and no spouse: 60% of average compensation if member had less than 5 years of service (25 years for Secondary Plan), or 75% of average compensation if member had 5 or more years of service (25 years for Secondary Plan).
 - iii. Surviving spouse with minor children: 60% of average compensation if member had less than 5 years of service (25 years for secondary plan) and benefit divided 1/3 to spouse and 2/3 to minor children equally. 75% of average compensation if member had 5 or more years of service (25 years for Secondary Plan) and benefit divided 1/3 to spouse and 2/3 to minor children equally.
 - b. Not in the line of duty surviving spouse of receives benefits in accordance with the provisions for regular members.
4. Wildlife agents
- a. In line of duty:
 - i. Surviving spouse receives 75% of average compensation if member has 25 or more years of service, otherwise, spouse receives 60% of compensation. Benefits cease upon remarriage.
 - ii. Children under age 18: one child – 30% of average compensation, 2 children – 40%, 3 children – 50%, 4 or more children – 60%, divided equally among children.
 - b. Not in the line of duty benefit to surviving spouse and children: Surviving spouse receives a benefit as if the member retired on the date of death, until remarried. If member dies prior to age 55 with at least 15 years of service, benefit computed based on years of service without regard to age.
 - c. Survivors of retired wildlife agents will receive 75% of the retiree benefit in priority order: surviving spouse (until remarriage), children under age 18, parents who derive main support from retired agent.
5. If no one is eligible to receive a survivor benefit, then the named beneficiary will receive the member's accumulated contributions.

EXHIBIT 5 (Continued)
Summary of Plan Provisions

OPTIONAL FORMS OF BENEFIT:

In lieu of receiving normal retirement benefit, member may elect to receive actuarial equivalent of retirement allowance in a reduced form as follows:

Option 1 - If a member dies before receiving present value of annuity in monthly payments, balance paid to designated beneficiary.

Option 2 - 100% of reduced retirement allowance, if member dies, to be continued to designated beneficiary for his lifetime.

Option 3 - 50% of reduced retirement allowance, if member dies, to be continued to designated beneficiary for his lifetime.

Option 4 - Other benefits of equal actuarial value may be elected with approval of board.

A. 90% of the maximum retirement allowance to member; when member dies, 55% of the maximum retirement allowance continued to beneficiary.

B. Reduced retirement allowance to member; if member dies, 55% of the maximum retirement allowance continues to beneficiary, adjusted based on the age and relationship of the beneficiary to the member.

C. Special reversionary annuities to Options 2, 3, and 4. Member's reduced benefit reverts to the maximum if the beneficiary predeceases the annuitant.

If divorced after retirement, optional benefit can revert to maximum benefit with actuarial adjustment.

Automatic COLA Option – An increasing annuity option permits the member to make an irrevocable election at retirement to receive an actuarially reduced benefit which increases 2.5% annually. The increases begin on the first retirement anniversary date, but not before the retiree attains age 55 or would have attained age 55 in the case of a surviving spouse. This option can be chosen in combination with the above options.

Initial Benefit Option - Maximum benefit actuarially reduced for partial lump sum equal to not more than 36 months of maximum monthly pension.

REFUND OF CONTRIBUTIONS:

If a member ceases to be a member, except by death or retirement, he shall be paid such part of the amount of the accumulated contributions credited to his individual account in annuity savings fund as he shall demand, plus any accumulated interest thereon as of June 30, 1971; if member of legislature, no interest. No interest credited after June 30, 1971. Death prior to retirement - accumulated contributions credited to individual account in annuity savings fund are returnable to designated beneficiary, if any; otherwise, to his estate.

EXHIBIT 5 (Continued)
Summary of Plan Provisions

DEFERRED RETIREMENT OPTION PLAN:

Instead of terminating employment and accepting a service retirement allowance, any member who has met the normal eligibility requirements may participate in the Deferred Retirement Option Plan (DROP).

Normal Eligibility:

Any member who is eligible for unreduced service retirement allowance may begin participation on the first retirement eligibility date for a period not to exceed the third anniversary of retirement eligibility.

Benefit:

Upon termination of employment, a participant will receive, at his option:

- (1) Lump sum payment (equal to the payments to the account);
- (2) A true annuity based upon his account; or
- (3) Other methods of payment approved by the Board of Trustees.

If a participant dies during the period of participation in the program, his account balance shall be paid to the beneficiary, or if none, to his estate in any form approved by the Board of Trustees.

If employment is not terminated at the end of DROP participation, then:

- (1) Payment into account shall cease;
- (2) Payment from account only upon termination of employment; and
- (3) The participant shall resume active contributing membership.

Then, upon termination of employment, the benefit payments indicated above shall be paid. The participant shall receive an additional retirement benefit based on additional service rendered since termination of participation in the fund, usually the normal method of computation of benefit subject to the following:

- (1) If additional service was less than the period used to determine the average compensation, then the average compensation figure used to calculate the additional benefit shall be based on compensation used to determine the initial benefit.
- (2) If additional service was greater than the period used to determine the average compensation, the average compensation figure used to calculate the additional benefit shall be based on compensation earned during the period of additional service.

DROP accounts for members who become eligible for retirement prior to January 1, 2004, and participate in DROP shall earn interest, following termination of DROP, at a rate of 0.5% below the actuarial rate of the System's investment portfolio.

Members eligible for retirement on or after January 1, 2004, must invest their DROP accounts in self-directed accounts approved by the Board of Trustees.

EXHIBIT 6

ACTUARIAL COST METHODS AND ASSUMPTIONS

COST METHOD:

The individual "Projected Unit Credit" cost method was used to calculate the funding requirements of the retirement system, as required by Louisiana Statutes, R. S. 11:22. Under this cost method, the actuarial present value of projected benefits of each individual included in the valuation is accumulated from the participant's attained age to the anticipated retirement dates. That portion of the actuarial present value attributable to current year benefit accruals is called the Normal Cost. The actuarial present value of future benefits in proportion to service accrued on the date of valuation is called the actuarial accrued liability.

ASSET VALUATION:

For the Plan Year Ending June 30, 1999 through June 30, 2012, the computation of the Actuarial Value of Assets is the market value of assets adjusted for a four year weighted average of the unrealized gain or loss in the value of all assets, subject to Corridor Limits of 80% to 120% of the Market Value of Assets.

Beginning June 30, 2013, the market value of assets is adjusted to gradually recognize investment gains and losses relative to the net assumed investment return, over a 5 year period in 20% increments. The adjusted asset value is subject to Corridor Limits of 80% to 120% of the Market Value of Assets.

ACCOUNTING DISCLOSURE:

The Governmental Accounting Standards Board Statement No. 25 requires the disclosure of certain Actuarial Liabilities for Public Employees Retirement Systems. The disclosures illustrated in Exhibit 3 were developed using the Projected Unit Credit cost method. The statement of assets provided by the audit staff was the final draft prior to publication. Should the statement of assets received differ from the final audit report, a revised actuarial statement will be issued, but only to the extent that any difference in reporting affects the employer's contribution rate or the yield to the Actuarial Value of Assets.

ACTUARIAL ASSUMPTIONS:

The Retirement System typically conducts an experience study every five years, but the scope of such a study is not necessarily limited to a five year period. The observation period for the most recent experience study was 2003-2008. The rates are projected separately for Regular Members, Corrections, Wildlife and Fisheries, and Judges. The current tables are illustrated at the end of this exhibit.

MORTALITY ASSUMPTIONS:

Pre-retirement deaths and post-retirement life expectancies are projected by attained age using the RP-2000 table with no projection of mortality improvement, which was supported by actuarial mortality experience in the most recent Experience Study.

EXHIBIT 6 (Continued)
Cost Methods & Assumptions

DISABILITY ASSUMPTION:

Rates of total and permanent disability are projected in accordance with the most recent Experience Study. The rates are based upon attained age. For mortality after disability, rates are based upon the RP-2000 disability table with no projection of mortality improvement.

RETIREMENT/DROP ASSUMPTION:

Retirement/DROP rates are based on age and service eligibility requirements for normal benefits. Age and service requirements vary by plan. At eligibility, the probability of retirement or DROP is determined based upon the retirement assumptions. Retirement rates are based on the most recent Experience Study. This methodology was compared to results using retirement and DROP assumptions and it was determined that there was no material difference.

TERMINATION ASSUMPTIONS:

Voluntary termination or withdrawal rates are based on the most recent Experience Study. During the first five years of employment, the probability of voluntarily terminating is a multiple of service duration as follows:

	Regular Members	Corrections, Wildlife, Hazardous Duty	Judges
1st year	1.3x	1.5x	1.0x
2nd year	1.0x	1.0x	1.0x
3rd year	1.0x	1.0x	1.0x
4th year	1.0x	1.0x	1.0x
5th year	1.0x	1.0x	1.0x

For members terminating with vested benefits, it is assumed that 80% will not withdraw their accumulated employee contribution, and will receive a benefit beginning at age 60.

SALARY GROWTH:

The rates of annual salary growth are based upon the member's years of service. Salary assumptions include a 3% inflation assumption. Current salaries and projected future salaries are limited to the Section 401(a)17 of the Internal Revenue Service Code 401(a)17 limit. Projected salaries include a 3% inflation assumption on the Section 401(a)17 limit.

ADMINISTRATIVE EXPENSES:

Administrative expenses are not explicitly assumed but rather funded in accordance with R.S. 11 Section 102, which by omission of language regarding the funding of administrative expenses precludes funding of these expenses by a direct allocation through the employer contribution rate. These expenses are instead funded through the employer rate as an experience loss which is amortized over a 30-year period. While this approach would not have been our original recommendation, further use of this practice will continue to produce stable contribution rates.

EXHIBIT 6 (Continued)
Cost Methods & Assumptions

FAMILY STATISTICS:

The composition of the family is based upon Current Population Reports published by the United States Census Bureau. Seventy-five percent of the membership is assumed to be married. The wife is assumed to be three years younger than the husband. Sample rates for the assumed number of minor children are as follows:

Age of Member	Number of Minor Children	Years for Youngest Child to Attain Majority
25	1.2	17
30	1.4	15
35	1.7	13
40	1.7	10
45	1.4	8
50	1.1	4

ASSUMPTION FOR INCOMPLETE DATA:

Records identified as containing suspicious data or errors in data were assumed to possess the same characteristics of "good data" in the same cohort.

INVESTMENT EARNINGS:

The Board of Trustees adopted a discount rate of 8.00%, net of investment expenses and net of expected investment gains to be deferred to the experience account, which is expected to be approximately 50 basis points. The adopted rate became effective July 1, 2012. The rate was chosen following an analysis to determine a reasonable range for the discount rate, which was based upon a study provided by the Board's investment consultant. The rate was recently reviewed for reasonableness, and was determined to be reasonable for purposes of this valuation.

Capital Market assumptions used to determine the reasonable range included a 3% inflation assumption.

CONVERTED LEAVE:

Converted Leave is assumed to increase the accrued benefit at retirement as follows according to the following table, based on the most recent experience study.

	Regular Retirement	Retire After DROP	Disability
Regular Members	3.0%	2.0%	1.5%
Judicial Members	1.0%	1.0%	1.0%
Corrections	4.5%	2.5%	2.5%
Wildlife	6.0%	5.0%	3.0%

REGULAR MEMBERS
ACTUARIAL TABLES AND RATES
* HIRED PRIOR TO 7/1/06, ** HIRED ON OR AFTER TO 7/1/06

AGE	DEATH RATES		DISABILITY RATES	TERMINATION RATES	RETIREMENT RATES*		DROP RATES**		DUR	SALARY SCALE
	MALE	FEMALE			RATES*	RATES**	RATES*	RATES**		
18	0.00032	0.00019	0.0000	0.060	0.00	0.00	0.00	0.00	1	1.140
19	0.00033	0.00019	0.0000	0.180	0.00	0.00	0.00	0.00	2	1.090
20	0.00034	0.00019	0.0000	0.300	0.00	0.00	0.00	0.00	3	1.075
21	0.00036	0.00019	0.0000	0.270	0.00	0.00	0.00	0.00	4	1.070
22	0.00037	0.00019	0.0000	0.200	0.00	0.00	0.00	0.00	5	1.065
23	0.00037	0.00020	0.0000	0.200	0.00	0.00	0.00	0.00	6	1.060
24	0.00038	0.00020	0.0000	0.200	0.00	0.00	0.00	0.00	7	1.060
25	0.00038	0.00021	0.0000	0.200	0.00	0.00	0.00	0.00	8	1.060
26	0.00038	0.00021	0.0000	0.200	0.00	0.00	0.00	0.00	9	1.060
27	0.00038	0.00022	0.0000	0.180	0.00	0.00	0.00	0.00	10	1.055
28	0.00039	0.00024	0.0000	0.170	0.00	0.00	0.00	0.00	11	1.050
29	0.00041	0.00025	0.0000	0.160	0.00	0.00	0.00	0.00	12	1.050
30	0.00044	0.00026	0.0001	0.150	0.00	0.00	0.00	0.00	13	1.050
31	0.00050	0.00031	0.0001	0.150	0.00	0.00	0.00	0.00	14	1.050
32	0.00056	0.00035	0.0001	0.130	0.00	0.00	0.00	0.00	15	1.050
33	0.00063	0.00039	0.0001	0.120	0.00	0.00	0.00	0.00	16	1.045
34	0.00070	0.00043	0.0001	0.110	0.00	0.00	0.00	0.00	17	1.045
35	0.00077	0.00047	0.0002	0.140	0.00	0.00	0.00	0.00	18	1.045
36	0.00084	0.00051	0.0002	0.110	0.00	0.00	0.00	0.00	19	1.045
37	0.00090	0.00055	0.0007	0.100	0.00	0.00	0.00	0.00	20	1.045
38	0.00096	0.00060	0.0007	0.100	0.00	0.00	0.00	0.00	21	1.045
39	0.00102	0.00065	0.0008	0.100	0.00	0.00	0.00	0.00	22	1.043
40	0.00108	0.00071	0.0013	0.080	0.25	0.00	0.30	0.00	23	1.043
41	0.00114	0.00077	0.0020	0.080	0.25	0.00	0.30	0.00	24	1.043
42	0.00121	0.00085	0.0015	0.070	0.25	0.00	0.30	0.00	25	1.043
43	0.00130	0.00094	0.0020	0.060	0.25	0.00	0.30	0.00	26	1.043
44	0.00140	0.00103	0.0022	0.060	0.25	0.00	0.30	0.00	27	1.043
45	0.00151	0.00112	0.0022	0.050	0.25	0.00	0.30	0.00	28	1.043
46	0.00162	0.00122	0.0021	0.050	0.25	0.00	0.30	0.00	29	1.043
47	0.00173	0.00133	0.0030	0.050	0.25	0.00	0.30	0.00	30	1.043
48	0.00186	0.00143	0.0025	0.050	0.26	0.00	0.55	0.00	31	1.050
49	0.00200	0.00155	0.0032	0.050	0.21	0.00	0.50	0.00	32	1.050
50	0.00214	0.00168	0.0041	0.040	0.26	0.00	0.33	0.00	33	1.060
51	0.00245	0.00185	0.0052	0.040	0.30	0.00	0.28	0.00	34	1.060
52	0.00267	0.00202	0.0031	0.040	0.35	0.00	0.28	0.00	35	1.060
53	0.00292	0.00221	0.0045	0.040	0.34	0.00	0.28	0.00	36	1.060
54	0.00320	0.00242	0.0050	0.040	0.30	0.00	0.19	0.00	37	1.050
55	0.00362	0.00272	0.0040	0.040	0.26	0.00	0.45	0.00	38	1.050
56	0.00420	0.00309	0.0053	0.040	0.33	0.00	0.10	0.00	39	1.050
57	0.00469	0.00348	0.0045	0.040	0.31	0.00	0.05	0.00	40	1.050
58	0.00527	0.00392	0.0040	0.030	0.60	0.00	0.05	0.00	41	1.050
59	0.00594	0.00444	0.0001	0.030	0.30	0.00	0.05	0.00	42	1.050
60	0.00675	0.00505	0.0000	0.030	0.26	0.50	0.25	0.30	43	1.050
61	0.00768	0.00581	0.0000	0.030	0.24	0.15	0.04	0.40	44	1.050
62	0.00876	0.00666	0.0000	0.030	0.27	0.15	0.01	0.50	45	1.050
63	0.01001	0.00765	0.0000	0.030	0.51	0.50	0.01	0.50	46	1.050
64	0.01128	0.00862	0.0000	0.020	0.28	0.33	0.01	0.50	47	1.050
65	0.01274	0.00971	0.0000	0.020	0.30	0.33	0.01	0.50	48	1.050
66	0.01441	0.01095	0.0000	0.020	0.31	0.33	0.01	0.50	49	1.050
67	0.01607	0.01216	0.0000	0.020	0.23	0.33	0.01	0.50	50	1.050
68	0.01787	0.01345	0.0000	0.020	0.23	0.33	0.01	0.50	51	1.050
69	0.01980	0.01486	0.0000	0.020	0.25	0.33	0.01	0.50	52	1.050
70	0.02221	0.01674	0.0000	0.020	0.25	0.33	0.01	0.50	53	1.050
71	0.02457	0.01858	0.0000	0.020	0.25	0.33	0.01	0.50	54	1.050
72	0.02728	0.02067	0.0000	0.020	0.40	0.33	0.00	0.50	55	1.050
73	0.03039	0.02297	0.0000	0.020	0.50	0.33	0.00	0.50	56	1.050
74	0.03390	0.02546	0.0000	0.020	0.99	0.33	0.00	0.50	57	1.050

JUDGES
ACTUARIAL TABLES AND RATES
* HIRED PRIOR TO 1/1/11, ** HIRED ON OR AFTER TO 1/1/11

AGE	DEATH RATES		DISABILITY RATES	TERMINATION RATES	RETIREMENT		DROP		DUR	SALARY SCALE
	MALE	FEMALE			RATES*	RATES**	RATES*	RATES**		
18	0.00032	0.00019	0.0000	0.000	0.00	0.00	0.00	0.00	1	1.055
19	0.00033	0.00019	0.0000	0.000	0.00	0.00	0.00	0.00	2	1.025
20	0.00034	0.00019	0.0000	0.000	0.00	0.00	0.00	0.00	3	1.030
21	0.00036	0.00019	0.0000	0.000	0.00	0.00	0.00	0.00	4	1.040
22	0.00037	0.00019	0.0000	0.000	0.00	0.00	0.00	0.00	5	1.030
23	0.00037	0.00020	0.0000	0.000	0.00	0.00	0.00	0.00	6	1.030
24	0.00038	0.00020	0.0000	0.000	0.00	0.00	0.00	0.00	7	1.040
25	0.00038	0.00021	0.0000	0.000	0.00	0.00	0.00	0.00	8	1.030
26	0.00038	0.00021	0.0000	0.000	0.00	0.00	0.00	0.00	9	1.030
27	0.00038	0.00022	0.0000	0.000	0.00	0.00	0.00	0.00	10	1.030
28	0.00039	0.00024	0.0000	0.000	0.00	0.00	0.00	0.00	11	1.035
29	0.00041	0.00025	0.0000	0.000	0.00	0.00	0.00	0.00	12	1.035
30	0.00044	0.00026	0.0002	0.005	0.00	0.00	0.00	0.00	13	1.035
31	0.00050	0.00031	0.0002	0.005	0.00	0.00	0.00	0.00	14	1.030
32	0.00056	0.00035	0.0002	0.005	0.00	0.00	0.00	0.00	15	1.030
33	0.00063	0.00039	0.0002	0.005	0.00	0.00	0.00	0.00	16	1.030
34	0.00070	0.00043	0.0002	0.005	0.00	0.00	0.00	0.00	17	1.030
35	0.00077	0.00047	0.0002	0.005	0.00	0.00	0.00	0.00	18	1.030
36	0.00084	0.00051	0.0002	0.005	0.00	0.00	0.00	0.00	19	1.030
37	0.00090	0.00055	0.0002	0.005	0.00	0.00	0.00	0.00	20	1.030
38	0.00096	0.00060	0.0002	0.005	0.00	0.00	0.00	0.00	21	1.030
39	0.00102	0.00065	0.0002	0.005	0.00	0.00	0.00	0.00	22	1.030
40	0.00108	0.00071	0.0002	0.005	0.00	0.00	0.00	0.00	23	1.030
41	0.00114	0.00077	0.0002	0.005	0.00	0.00	0.00	0.00	24	1.030
42	0.00121	0.00085	0.0002	0.009	0.00	0.00	0.00	0.00	25	1.030
43	0.00130	0.00094	0.0002	0.009	0.00	0.00	0.00	0.00	26	1.030
44	0.00140	0.00103	0.0002	0.009	0.00	0.00	0.00	0.00	27	1.030
45	0.00151	0.00112	0.0002	0.009	0.00	0.00	0.00	0.00	28	1.030
46	0.00162	0.00122	0.0002	0.009	0.00	0.00	0.00	0.00	29	1.030
47	0.00173	0.00133	0.0002	0.009	0.00	0.00	0.00	0.00	30	1.030
48	0.00186	0.00143	0.0002	0.009	0.00	0.00	0.00	0.00	31	1.030
49	0.00200	0.00155	0.0002	0.009	0.50	0.00	0.00	0.00	32	1.030
50	0.00214	0.00168	0.0002	0.009	0.50	0.00	0.00	0.00	33	1.030
51	0.00245	0.00185	0.0002	0.009	0.50	0.00	0.00	0.00	34	1.030
52	0.00267	0.00202	0.0002	0.009	0.50	0.00	0.50	0.00	35	1.030
53	0.00292	0.00221	0.0002	0.009	0.50	0.00	0.50	0.00	36	1.030
54	0.00320	0.00242	0.0002	0.009	0.35	0.00	0.50	0.00	37	1.030
55	0.00362	0.00272	0.0002	0.009	0.35	0.00	0.50	0.00	38	1.030
56	0.00420	0.00309	0.0002	0.009	0.35	0.00	0.20	0.00	39	1.030
57	0.00469	0.00348	0.0002	0.009	0.10	0.00	0.20	0.00	40	1.030
58	0.00527	0.00392	0.0002	0.005	0.10	0.00	0.20	0.00	41	1.030
59	0.00594	0.00444	0.0002	0.005	0.10	0.00	0.10	0.00	42	1.030
60	0.00675	0.00505	0.0002	0.005	0.10	0.50	0.07	0.30	43	1.030
61	0.00768	0.00581	0.0002	0.005	0.10	0.15	0.05	0.40	44	1.030
62	0.00876	0.00666	0.0002	0.000	0.10	0.15	0.05	0.50	45	1.030
63	0.01001	0.00765	0.0002	0.000	0.10	0.50	0.10	0.50	46	1.030
64	0.01128	0.00862	0.0002	0.000	0.10	0.33	0.10	0.50	47	1.030
65	0.01274	0.00971	0.0002	0.000	0.10	0.33	0.05	0.50	48	1.030
66	0.01441	0.01095	0.0002	0.000	0.10	0.33	0.05	0.50	49	1.030
67	0.01607	0.01216	0.0002	0.000	0.10	0.33	0.05	0.50	50	1.030
68	0.01787	0.01345	0.0002	0.000	0.10	0.33	0.05	0.50	51	1.030
69	0.01980	0.01486	0.0002	0.000	0.50	0.33	0.00	0.50	52	1.030
70	0.02221	0.01674	0.0000	0.000	0.99	0.33	0.00	0.50	53	1.030
71	0.02457	0.01858	0.0000	0.000	0.99	0.33	0.00	0.50	54	1.030
72	0.02728	0.02067	0.0000	0.000	0.99	0.33	0.00	0.50	55	1.030
73	0.03039	0.02297	0.0000	0.000	0.99	0.33	0.00	0.50	56	1.030
74	0.03390	0.02546	0.0000	0.000	0.99	0.33	0.00	0.50	57	1.030

CORRECTIONS AND HAZARDOUS DUTY PLAN
ACTUARIAL TABLES AND RATES

AGE	DEATH RATES		DISABILITY RATES	TERMINATION RATES	RETIREMENT RATES	DROP RATES	DUR	SALARY SCALE
	MALE	FEMALE						
18	0.00032	0.00019	0.0000	0.100	0.00	0.00	1	1.150
19	0.00033	0.00019	0.0000	0.250	0.00	0.00	2	1.085
20	0.00034	0.00019	0.0000	0.290	0.00	0.00	3	1.070
21	0.00036	0.00019	0.0000	0.360	0.00	0.00	4	1.070
22	0.00037	0.00019	0.0000	0.310	0.00	0.00	5	1.065
23	0.00037	0.00020	0.0000	0.260	0.00	0.00	6	1.065
24	0.00038	0.00020	0.0000	0.250	0.00	0.00	7	1.065
25	0.00038	0.00021	0.0000	0.260	0.00	0.00	8	1.065
26	0.00038	0.00021	0.0000	0.250	0.00	0.00	9	1.065
27	0.00038	0.00022	0.0000	0.250	0.00	0.00	10	1.070
28	0.00039	0.00024	0.0000	0.180	0.00	0.00	11	1.070
29	0.00041	0.00025	0.0000	0.180	0.00	0.00	12	1.070
30	0.00044	0.00026	0.0002	0.180	0.00	0.00	13	1.070
31	0.00050	0.00031	0.0002	0.140	0.00	0.00	14	1.070
32	0.00056	0.00035	0.0003	0.140	0.00	0.00	15	1.065
33	0.00063	0.00039	0.0003	0.140	0.00	0.00	16	1.065
34	0.00070	0.00043	0.0004	0.140	0.00	0.00	17	1.065
35	0.00077	0.00047	0.0005	0.180	0.00	0.00	18	1.060
36	0.00084	0.00051	0.0006	0.100	0.00	0.00	19	1.060
37	0.00090	0.00055	0.0008	0.100	0.00	0.00	20	1.060
38	0.00096	0.00060	0.0010	0.100	0.00	0.00	21	1.060
39	0.00102	0.00065	0.0012	0.100	0.00	0.00	22	1.060
40	0.00108	0.00071	0.0013	0.090	0.60	0.00	23	1.060
41	0.00114	0.00077	0.0014	0.070	0.60	0.00	24	1.060
42	0.00121	0.00085	0.0015	0.070	0.60	0.00	25	1.060
43	0.00130	0.00094	0.0017	0.070	0.60	0.00	26	1.060
44	0.00140	0.00103	0.0017	0.070	0.60	0.00	27	1.060
45	0.00151	0.00112	0.0017	0.070	0.60	0.00	28	1.050
46	0.00162	0.00122	0.0030	0.070	0.60	0.00	29	1.050
47	0.00173	0.00133	0.0030	0.070	0.75	0.90	30	1.050
48	0.00186	0.00143	0.0030	0.070	0.75	0.50	31	1.040
49	0.00200	0.00155	0.0020	0.070	0.70	0.50	32	1.040
50	0.00214	0.00168	0.0020	0.070	0.70	0.50	33	1.040
51	0.00245	0.00185	0.0020	0.060	0.70	0.20	34	1.040
52	0.00267	0.00202	0.0020	0.060	0.70	0.15	35	1.040
53	0.00292	0.00221	0.0040	0.060	0.75	0.10	36	1.040
54	0.00320	0.00242	0.0070	0.060	0.75	0.07	37	1.040
55	0.00362	0.00272	0.0070	0.060	0.88	0.03	38	1.040
56	0.00420	0.00309	0.0070	0.060	0.70	0.05	39	1.040
57	0.00469	0.00348	0.0090	0.060	0.60	0.10	40	1.040
58	0.00527	0.00392	0.0070	0.060	0.70	0.05	41	1.040
59	0.00594	0.00444	0.0070	0.060	0.70	0.03	42	1.040
60	0.00675	0.00505	0.0000	0.060	0.25	0.03	43	1.040
61	0.00768	0.00581	0.0000	0.060	0.25	0.01	44	1.040
62	0.00876	0.00666	0.0000	0.060	0.25	0.01	45	1.040
63	0.01001	0.00765	0.0000	0.060	0.25	0.01	46	1.040
64	0.01128	0.00862	0.0000	0.060	0.25	0.01	47	1.040
65	0.01274	0.00971	0.0000	0.060	0.25	0.01	48	1.040
66	0.01441	0.01095	0.0000	0.060	0.25	0.01	49	1.040
67	0.01607	0.01216	0.0000	0.060	0.25	0.01	50	1.040
68	0.01787	0.01345	0.0000	0.060	0.25	0.00	51	1.040
69	0.01980	0.01486	0.0000	0.060	0.50	0.00	52	1.040
70	0.02221	0.01674	0.0000	0.000	0.99	0.00	53	1.040
71	0.02457	0.01858	0.0000	0.000	0.99	0.00	54	1.040
72	0.02728	0.02067	0.0000	0.000	0.99	0.00	55	1.040
73	0.03039	0.02297	0.0000	0.000	0.99	0.00	56	1.040
74	0.03390	0.02546	0.0000	0.000	0.99	0.00	57	1.040

WILDLIFE
ACTUARIAL TABLES AND RATES

AGE	DEATH RATES		DISABILITY RATES	TERMINATION RATES	RETIREMENT RATES	DROP RATES	DUR	SALARY SCALE
	MALE	FEMALE						
18	0.00032	0.00019	0.0000	0.100	0.00	0.00	1	1.150
19	0.00033	0.00019	0.0000	0.100	0.00	0.00	2	1.170
20	0.00034	0.00019	0.0000	0.100	0.00	0.00	3	1.150
21	0.00036	0.00019	0.0000	0.100	0.00	0.00	4	1.120
22	0.00037	0.00019	0.0000	0.100	0.00	0.00	5	1.110
23	0.00037	0.00020	0.0000	0.100	0.00	0.00	6	1.100
24	0.00038	0.00020	0.0000	0.100	0.00	0.00	7	1.095
25	0.00038	0.00021	0.0000	0.070	0.00	0.00	8	1.095
26	0.00038	0.00021	0.0000	0.070	0.00	0.00	9	1.090
27	0.00038	0.00022	0.0000	0.070	0.00	0.00	10	1.090
28	0.00039	0.00024	0.0000	0.070	0.00	0.00	11	1.085
29	0.00041	0.00025	0.0000	0.070	0.00	0.00	12	1.085
30	0.00044	0.00026	0.0001	0.090	0.00	0.00	13	1.075
31	0.00050	0.00031	0.0010	0.090	0.00	0.00	14	1.065
32	0.00056	0.00035	0.0015	0.090	0.00	0.00	15	1.065
33	0.00063	0.00039	0.0020	0.090	0.00	0.00	16	1.065
34	0.00070	0.00043	0.0025	0.050	0.00	0.00	17	1.065
35	0.00077	0.00047	0.0030	0.030	0.00	0.00	18	1.065
36	0.00084	0.00051	0.0035	0.060	0.00	0.00	19	1.065
37	0.00090	0.00055	0.0040	0.060	0.00	0.00	20	1.065
38	0.00096	0.00060	0.0045	0.060	0.00	0.00	21	1.065
39	0.00102	0.00065	0.0050	0.030	0.00	0.00	22	1.065
40	0.00108	0.00071	0.0050	0.060	0.00	0.00	23	1.060
41	0.00114	0.00077	0.0050	0.060	0.00	0.00	24	1.060
42	0.00121	0.00085	0.0050	0.010	0.00	0.00	25	1.060
43	0.00130	0.00094	0.0050	0.010	0.00	0.00	26	1.060
44	0.00140	0.00103	0.0050	0.010	0.00	0.00	27	1.060
45	0.00151	0.00112	0.0050	0.010	0.00	0.00	28	1.060
46	0.00162	0.00122	0.0050	0.010	0.00	0.00	29	1.060
47	0.00173	0.00133	0.0050	0.010	0.50	0.00	30	1.060
48	0.00186	0.00143	0.0050	0.010	0.50	0.10	31	1.060
49	0.00200	0.00155	0.0050	0.010	0.50	0.10	32	1.060
50	0.00214	0.00168	0.0050	0.010	0.50	0.10	33	1.060
51	0.00245	0.00185	0.0050	0.010	0.50	0.10	34	1.060
52	0.00267	0.00202	0.0050	0.010	0.50	0.10	35	1.060
53	0.00292	0.00221	0.0050	0.010	0.50	0.10	36	1.060
54	0.00320	0.00242	0.0050	0.010	0.50	0.10	37	1.060
55	0.00362	0.00272	0.0050	0.010	0.50	0.10	38	1.060
56	0.00420	0.00309	0.0050	0.000	0.50	0.10	39	1.060
57	0.00469	0.00348	0.0050	0.000	0.50	0.10	40	1.060
58	0.00527	0.00392	0.0050	0.000	0.50	0.10	41	1.060
59	0.00594	0.00444	0.0050	0.000	0.50	0.10	42	1.060
60	0.00675	0.00505	0.0000	0.000	0.50	0.10	43	1.060
61	0.00768	0.00581	0.0000	0.000	0.50	0.10	44	1.060
62	0.00876	0.00666	0.0000	0.000	0.50	0.10	45	1.060
63	0.01001	0.00765	0.0000	0.000	0.50	0.10	46	1.060
64	0.01128	0.00862	0.0000	0.000	0.50	0.10	47	1.060
65	0.01274	0.00971	0.0000	0.000	0.99	0.00	48	1.060
66	0.01441	0.01095	0.0000	0.000	0.99	0.00	49	1.060
67	0.01607	0.01216	0.0000	0.000	0.99	0.00	50	1.060
68	0.01787	0.01345	0.0000	0.000	0.99	0.00	51	1.060
69	0.01980	0.01486	0.0000	0.000	0.99	0.00	52	1.060
70	0.02221	0.01674	0.0000	0.000	0.99	0.00	53	1.060
71	0.02457	0.01858	0.0000	0.000	0.99	0.00	54	1.060
72	0.02728	0.02067	0.0000	0.000	0.99	0.00	55	1.060
73	0.03039	0.02297	0.0000	0.000	0.99	0.00	56	1.060
74	0.03390	0.02546	0.0000	0.000	0.99	0.00	57	1.060

Exhibit 7-A

AMORTIZATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY

June 30, 2013

Date	Description	Amtz. Method	Amtz. Period	Initial Liability	Years Remain	Remaining Balance	Mid-Year Payment
2013	OAB (2013 Reamortization)	Note 1	16	1,885,373,607	16	1,885,373,607	164,409,127
2013	EAAB (2013 Reamortization)	Note 2	27	2,518,868,857	27	2,518,868,857	187,493,459
2012	2009 Change in Assumptions	L	27	(215,375,826)	26	(212,910,183)	(18,952,205)
2012	2009 Change in Liability	L	27	1,343,195,300	26	1,327,818,271	118,195,775
2012	2010 Change in Liability	L	28	619,512,022	27	613,014,019	53,942,764
2012	2011 Change in Liability	L	29	86,250,401	28	85,420,798	7,437,844
2012	Change in Lia (Assumed Rate)	L	30	357,645,630	29	354,488,537	30,569,488
2012	Chg in Lia (Experience)	L	30	272,743,878	29	270,336,250	23,312,575
2013	Change in Asset Val Method	L	30	(85,105,147)	30	(85,105,147)	(7,274,298)
2013	Change in Lia (Experience)	L	30	(539,829,321)	30	(539,829,321)	(46,141,500)
Plan Specific UAL							
2012	Act 414 - Chg in Lia	L	25	3,450,803	24	3,403,600	311,064
2012	Act 262 - Chg in Lia	L	6	1,382,505	5	1,194,048	287,768
2012	Act 740 - Chg in Lia	L	6	390,798	5	337,526	81,344
2012	Act 992 - 2010 Chg in Lia - Note 3	L	8	4,321,326	7	3,915,058	723,588
2012	Act 992 - 2011 Chg in Lia - Note 4	L	9	421,344	8	387,603	64,902
2012	Act 992 - 2012 Chg in Lia - Note 5	L	10	533,971	9	497,111	76,573
Total Outstanding Balance						\$ 6,227,210,634	\$ 514,538,268
Employers Credit Balance							
2012	Contribution Variance (2009)	L	2	(6,210,505)	1	(3,224,685)	(3,351,191)
2012	Contribution Variance (2010)	L	3	48,332,815	2	33,444,688	18,046,769
2012	Contribution Variance (2011)	L	4	81,391,778	3	63,329,249	23,646,218
2012	Contribution Variance (2012)	L	5	50,918,231	4	42,238,890	12,271,387
2013	Contribution Variance (2013)	L	5	78,318,188	5	78,318,188	18,874,827
Total Credit Balance						\$ 214,106,330	\$ 69,488,010
Total Unfunded Actuarial Accrued Liability						\$ 6,441,316,964	\$ 584,026,278

See exhibit A-3 for notes and explanations.

Exhibit 7-B

AMORTIZATION OF UNFUNDED ACTUARIAL ACCRUED LIABILITY
June 30, 2014 - Projected

Date	Description	Amtz. Method	Amtz. Period	Initial Liability	Years Remain	Remaining Balance	Mid-Year Payment
2013	OAB (2013 Reamortization)		16	1,945,944,622	15	1,865,344,519	173,451,629
2013	EAAB (2013 Reamortization)		27	2,552,986,965	26	2,525,529,447	197,805,599
2012	2009 Change in Assumptions	L	27	(215,375,826)	25	(210,247,288)	(18,952,205)
2012	2009 Change in Liability	L	27	1,343,195,300	25	1,311,211,080	118,195,775
2012	2010 Change in Liability	L	28	619,512,022	26	605,996,175	53,942,764
2012	2011 Change in Liability	L	29	86,250,401	27	84,524,828	7,437,844
2012	Change in Lia (Assumed Rate)	L	30	357,645,630	28	351,078,877	30,569,488
2012	Change in Lia (Experience)	L	30	272,743,878	28	267,736,011	23,312,575
2013	Change in Asset Val Method	L	30	(85,105,147)	29	(84,353,887)	(7,274,298)
2013	Change in Lia (Experience)	L	30	(539,829,321)	29	(535,064,013)	(46,141,500)
Plan Specific UAL							
2012	Act 414 - Chg in Lia	L	25	3,450,803	23	3,352,621	311,064
2012	Act 262 - Chg in Lia	L	6	1,382,505	4	990,515	287,768
2012	Act 740 - Chg in Lia	L	6	390,798	4	279,993	81,344
2012	Act 992 - Chg in Lia 1	L	8	4,321,326	6	3,476,288	723,588
2012	Act 992 - Chg in Lia 2	L	9	421,344	7	351,163	64,902
2012	Act 992 - Chg in Lia 3	L	10	533,971	8	457,303	76,573
Total Outstanding Balance						\$ 6,190,663,632	\$ 533,892,910
Employers Credit Balance							
2012	Contribution Variance (2010)	L	3	48,332,815	1	17,365,511	18,046,769
2012	Contribution Variance (2011)	L	4	81,391,778	2	43,821,718	23,646,218
2012	Contribution Variance (2012)	L	5	50,918,231	3	32,865,201	12,271,387
2013	Contribution Variance (2013)	L	5	78,318,188	4	64,968,347	18,874,827
2014	Contribution Variance (2014)	L	5	88,568,034	5	88,568,034	21,345,059
Total Credit Balance						\$ 247,588,811	\$ 94,184,260
Total Unfunded Actuarial Accrued Liability						\$ 6,438,252,443	\$ 628,077,170

See exhibit 7-D for notes and explanations.

Exhibit 7-C

**UAL Outstanding Balance and Payment Schedule
Based on June 30, 2013 UAL Schedules**

FY Beginning	UAL Balance (Millions)	UAL Mid-Year Payments (Millions)	Pmt % Change	FY Beginning	UAL Balance (Millions)	UAL Mid-Year Payments (Millions)	Pmt % Change
2013	6,441	584		2028	3,252	642	0.8%
2014	6,438	628	7.5%	2029	2,844	391	-39.1%
2015	6,301	630	0.4%	2030	2,665	391	0.0%
2016	6,149	626	-0.6%	2031	2,471	391	0.0%
2017	5,990	635	1.3%	2032	2,262	391	0.0%
2018	5,810	619	-2.4%	2033	2,036	391	0.0%
2019	5,631	602	-2.8%	2034	1,792	391	0.0%
2020	5,456	606	0.6%	2035	1,529	391	0.0%
2021	5,263	610	0.7%	2036	1,244	391	0.0%
2022	5,050	614	0.7%	2037	937	391	-0.1%
2023	4,816	619	0.7%	2038	606	391	0.0%
2024	4,558	623	0.7%	2039	248	292	-25.4%
2025	4,275	628	0.7%	2040	-36	8	-
2026	3,964	633	0.8%	2041	-47	0	-
2027	3,624	637	0.8%	2042	-51	-53	-

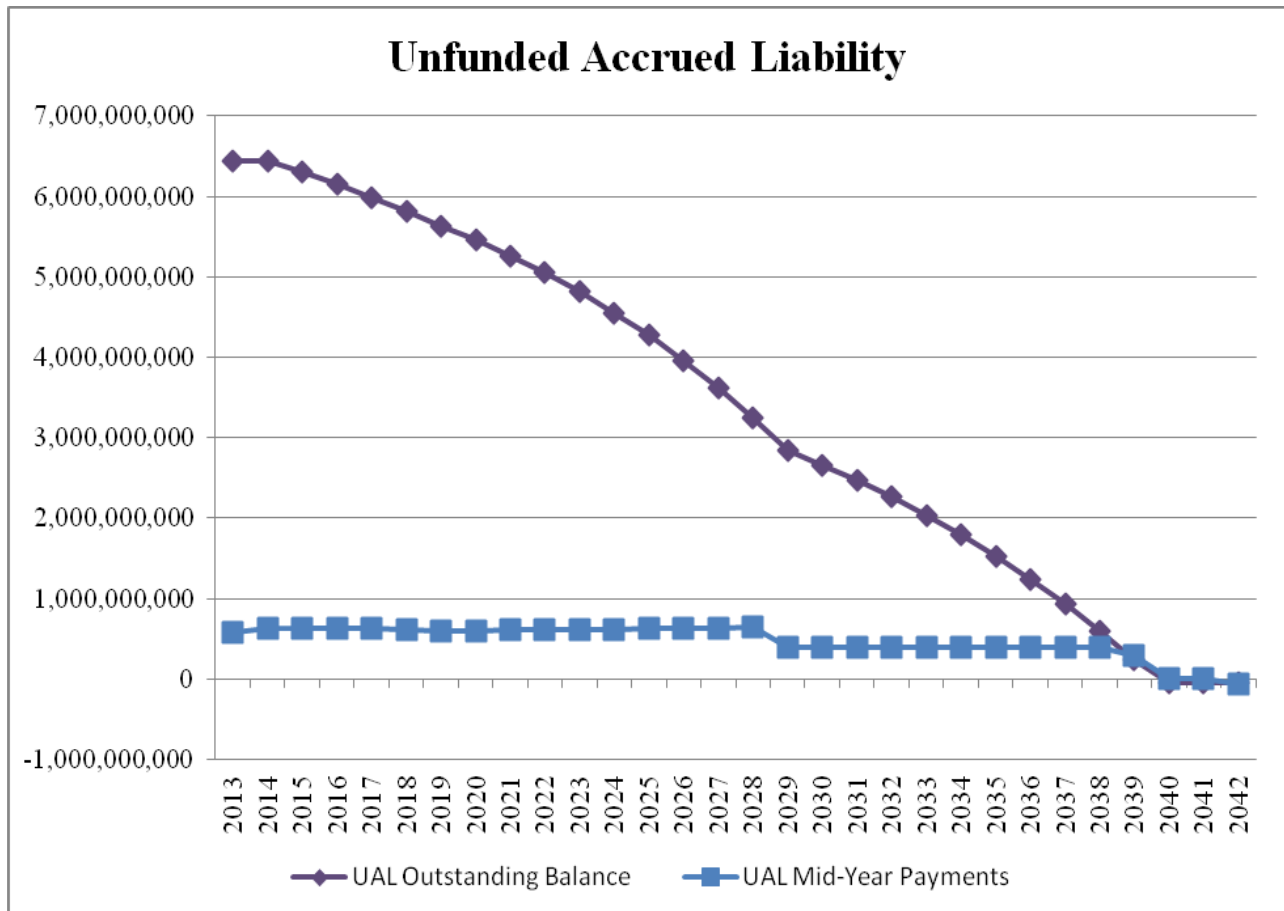


Exhibit 7-D**Amortization Schedule Notes**

Act 497 of 2009 consolidated all LASERS amortization schedules established on or before July 1, 2008, except those established due to benefit changes for a specific plan, into two schedules: the Original Amortization Base (OAB) and the Experience Account Amortization Base (EAAB). The OAB consists of the outstanding balance of the Initial Unfunded Accrued Liability (IUAL) and other schedules with negative outstanding balances, and was credited with the balance of funds from the IUAL fund. The EAAB consists of the 2004 schedule and all other remaining schedules. The outstanding balance of this schedule was credited with funds from the IUAL subaccount, which were originally transferred from the Employee Experience Account on June 30, 2009. The payment schedules are established by the Act and are shown in Exhibit 7-A.

Act 497 revised the amortization of contribution variances resulting in a credit. The act specifies that any overpayment through fiscal year 2016/2017 will be credited to the OAB. The OAB will then be re-amortized according to the new payment schedule. Similarly, any overpayment resulting from the statutory minimum contribution of 15.5% exceeding the actuarially calculated contribution through 2016/2017 will be credited to the EAAB and the EAAB will be re-amortized. In addition, the Act changes the provisions for crediting the Employee Experience Account and for granting future permanent benefit increases. The first \$50,000,000 of investment gain above the actuarially assumed investment rate will be used to reduce and re-amortize the OAB. The next \$50,000,000 of excess investment return will be used to reduce and re-amortize the EAAB. Fifty percent of any excess return above \$100,000,000 will be credited to the Employee Experience Account.

All schedules were reamortized, effective July, 1, 2012, using a rate of 8.00%.

Note 1: The Original Amortization Base includes the following bases that existed prior to Act 197 of 2009: 1993 (Initial Liability) 1993 (Change in Liability), 1994, 1995, 1997, 1998, 2005, 2006, and 2007 (excluding schedules established to amortize liability resulting from Acts 414, 262, and 740). The new combined balance was credited with funds from IUAL Account. The OAB was reduced by \$50 Million on June 30, 2013 and re-amortized. Future payments will increase by 6.5% for 1 year, 5.5% for 4 years, 5% for two years, and thereafter at 2% until paid off in 2029.

Note 2: The Experience Account Amortization Base includes the following bases that existed prior to Act 197 of 2009: 1996, 1999 – 2003, 2004 (the liability resulting from Act 588 of 2004 which zeroed out the experience account), and 2008. The new combined balance was credited with funds from the sub-account of the IUAL Fund, which were transferred from the Experience Account on June 30, 2009. The EAAB was reduced by \$50 Million on June 30, 2013 and re-amortized. Future payments will increase by 6.5% for 1 year, 5.5% for 4 years, 5% for two years, and level thereafter until paid off in 2040.

Note 3: Act 992 2010 Increase in Accrued Liability - Change in retirement eligibility for Act 75 members (members hired on or after July 1, 2006 from 10 years of service at age 60 to 5 years of service at age 60)

Note 4: Act 992 2011 Increase in Accrued Liability - Change in normal form of benefit for prior members joining the Hazardous Duty Plan prospectively between January 1, 2011 and June 30, 2011.

Note 5: Act 992 2012 Increase in Accrued Liability - Change in normal form of benefits for prior members joining the Hazardous Duty Plan prospectively between July 1, 2011 and June 30, 2012.

Exhibit 7-E**Components of Original Amortization Base
(Dollar amounts in millions)**

	Annual Outstanding Balance					Annual Payments				
	IUAL	IUAL Acct	Net IUAL	Other Schedules	Total OAB	IUAL	IUAL Acct	Net IUAL	Other Schedules	Total OAB
2013	2,914.9	-89.1	2,825.8	-940.5	1,885.4	254.2	-7.8	246.4	-82.0	164.4
2014	2,883.9	-88.1	2,795.8	-930.5	1,865.3	268.2	-8.2	260.0	-86.5	173.5
2015	2,836.0	-86.6	2,749.3	-915.0	1,834.3	282.9	-8.6	274.3	-91.3	183.0
2016	2,768.8	-84.6	2,684.2	-893.3	1,790.9	297.1	-9.1	288.0	-95.8	192.1
2017	2,681.6	-81.9	2,599.7	-865.2	1,734.5	311.9	-9.5	302.4	-100.6	201.7
2018	2,572.0	-78.6	2,493.4	-829.8	1,663.6	318.2	-9.7	308.4	-102.6	205.8
2019	2,447.1	-74.8	2,372.4	-789.5	1,582.8	324.5	-9.9	314.6	-104.7	209.9
2020	2,305.6	-70.4	2,235.2	-743.9	1,491.3	331.0	-10.1	320.9	-106.8	214.1
2021	2,146.1	-65.6	2,080.5	-692.4	1,388.1	337.6	-10.3	327.3	-108.9	218.4
2022	1,966.9	-60.1	1,906.8	-634.6	1,272.2	344.4	-10.5	333.9	-111.1	222.7
2023	1,766.4	-54.0	1,712.4	-569.9	1,142.5	351.3	-10.7	340.5	-113.3	227.2
2024	1,542.6	-47.1	1,495.5	-497.7	997.8	358.3	-10.9	347.3	-115.6	231.7
2025	1,293.7	-39.5	1,254.2	-417.4	836.8	365.5	-11.2	354.3	-117.9	236.4
2026	1,017.4	-31.1	986.3	-328.3	658.1	372.8	-11.4	361.4	-120.3	241.1
2027	711.4	-21.7	689.7	-229.5	460.1	380.2	-11.6	368.6	-122.7	245.9
2028	373.2	-11.4	361.8	-120.4	241.4	387.8	-11.8	376.0	-125.1	250.8
2029	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

This table has changed from previously published tables. The Outstanding balance of the OAB was reduced by \$50 Million on June 30, 2013 and re-amortized, according to Act 497 of 2010.

GLOSSARY

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

Actuarial Accrued Liability – Computed differently under different funding methods, the actuarial accrued liability generally represents the portion of the actuarial present value of benefits attributable to service credit earned (or accrued) as of the valuation date.

Actuarial Present Value of Benefits – Amount which, together with future interest, is expected to be sufficient to pay all benefits to be paid in the future, regardless of when earned, as determined by the application of a particular set of actuarial assumptions; equivalent to the actuarial accrued liability plus 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 investment earnings, changes in compensation, rates of mortality, withdrawal, disablement, and retirement as well as statistics related to marriage and family composition.

Actuarial Cost Method – A method of determining the portion of the cost of a pension plan to be allocated to each year; sometimes referred to as the "actuarial funding method." Each cost method allocates a certain portion of the actuarial present value of benefits between the actuarial accrued liability and future normal costs.

Actuarial Equivalence – Series of payments with equal actuarial present values on a given date when valued using the same set of actuarial assumptions.

Actuarial Present Value - The amount of funds required as of a specified date to provide a payment or series of payments in the future. It is determined by discounting future payments at predetermined rates of interest, and by probabilities of payments between the specified date and the expected date of payment.

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 market value of assets, or some modification using an asset valuation method to reduce the volatility of asset values.

Actuarially Reduced – The method of adjusting a benefit received at an early date, or paid in a form other than the lifetime of the member so that the expected total cost to the retirement system is equivalent to the cost if the benefit did not begin until later, or was paid for the lifetime of the member.

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 – Paying off an interest-discounted amount with periodic payments of interest and (generally) principal, as opposed to paying off with a lump sum payment.

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 Variance – The difference between actuarially required contribution and the actual amount received based upon a projected contribution rate. Results in an increase or decrease to future required contributions.

Discount Rate – The interest rate used in developing present values to reflect the time value of money.

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

Employer Normal Cost – Portion of the normal cost, excluding administrative expenses, not paid by employee contributions.

Experience Gain (Loss) – The difference between actual unfunded actuarial accrued liabilities and anticipated unfunded actuarial accrued liabilities during the period between two valuation dates. It is a measurement of the difference between actual and expected experience, and may be related to investment earnings above (or below) those expected or changes in the liability due to fewer (or greater) than expected numbers of retirements, deaths, disabilities, or withdrawals, or variances in pay increases relative to assumed pay increases. The effect of such gains (or losses) is to decrease (or increase) future costs.

Funded Ratio – A measure of the ratio of the actuarial value of assets to liabilities of the system. Typically the assets used in the measure are the actuarial value of assets as determined by the asset valuation method adopted by the Board of Trustees; the liabilities are determined using the actuarial funding method specified by Louisiana statute. Thus the funded ratio depends not only on the financial strength of the plan but also on the asset valuation method used to determine the assets and on the funding method used to determine the liabilities.

Governmental Accounting Standards Board (GASB) – Governmental agency that sets the accounting standards for state and local government operations.

Market Value of Assets (MVA) – The value of assets as they would trade on an open market.

Normal Cost – Computed differently under different funding methods, generally that portion of the actuarial present value of benefits allocated to the current plan year.

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.

Projected Unit Credit (PUC) Funding Method – A standard actuarial funding method whereby the annual cost of benefits is comprised of two components: normal cost plus an amortization payment to reduce the unfunded actuarial accrued liability.

Side-Fund Assets – Assets held in the trust for purposes other than for paying the accrued benefits or administrative expenses of the plan.

Unfunded Actuarial Accrued Liability (UAAL or UAL) – The excess of the actuarial accrued liability over the valuation assets; sometimes referred to as "unfunded past service liability". UAL increases each time an actuarial loss occurs and when new benefits are added without being fully funded initially and decreases when actuarial gains occur.

Valuation Assets – The actuarial value of assets less side-fund assets; represents the portion of the actuarial value of assets available to pay the accrued benefits of the plan.

Vested Benefit – Benefits that the members are entitled to regardless of employment status.