THE JUDICIAL RETIREMENT SYSTEM OF NEW JERSEY
ANNUAL REPORT
OF THE ACTUARY
PREPARED AS OF JULY 1, 2010

REVISED FOR CHAPTER 78, P.L. 2011

August 12, 2011

State House Commission
The Judicial Retirement System
of New Jersey
Trenton, New Jersey 08625
Members of the Commission:
The law governing the operation of The Judicial Retirement System of New Jersey provides for annual actuarial valuations of the System. The results of the July 1, 2010 valuation are submitted in this report, which also includes a comparison with the preceding year's valuation.

The valuation shows the financial condition of the Plan as of July 1, 2010 and gives the basis for determining the recommended annual contribution for the plan year beginning July 1, 2010.

The valuation was prepared on the basis of the demographic and salary increase assumptions that were determined from the July 1, 2005 - June 30, 2008 Experience Study, which were approved by the Board of Trustees and the economic assumptions which were approved by the Treasurer (these include an investment return rate of $8.25 \%$ per annum and assumed future salary increases of $4.50 \%$ per annum).

The valuation reflects the final provisions of the Appropriation Act for fiscal year 2010. The fiscal year 2010 recommended pension contribution of $\$ 28,857,945$ has been reduced to $\$ 0$. The valuation also reflects the potential effect of the Appropriation Act for fiscal year 2011. The fiscal year 2011 recommended pension contribution of $\$ 34,653,737$ has been reduced to $\$ 0$. This amount may be subject to change per the requirements of the State's fiscal year 2011 spending plan. Also, the valuation reflects the provisions of Chapter 1, P.L. 2010, which allows the State Treasurer to reduce the recommended pension contribution for the 2012 fiscal year to no less than $1 / 7^{\text {th }}$ of the recommended contribution. Lastly, the valuation reflects the provisions of Chapter 78, P.L. 2011, which increases member contributions by $9 \%$ of salary phased-in over a period of seven years, suspends future cost of living adjustments for current and future retirees and beneficiaries until reactivated as permitted by law and changes the method for amortizing the Retirement System's unfunded accrued liability.

The report does not take into account any changes in U.S. equity prices and bond yields that have occurred after the valuation date. Taking these into account may significantly change the market and actuarial value of assets shown. The effect of these events on any funded ratios shown, and on Retirement System calculations, is not known. Retirement System funding and financial accounting rules generally prohibit reflection of changes in assets and underlying economic conditions that occur after the valuation date.

To the best of our knowledge, this report is complete and accurate. The valuation was performed by, and under the supervision of, independent qualified actuaries who are members of the American Academy of Actuaries with experience in performing valuations for public retirement systems.

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The valuation was prepared in accordance with the principles of practice prescribed by the Actuarial Standards Board and generally accepted actuarial procedures and methods. The calculations are based on the current provisions of the System, and on actuarial assumptions that are individually and in the aggregate internally consistent and reasonable based on the actual experience of the System.

The Table of Contents, which follows, highlights the Sections of the Report.
Respectfully submitted,


Janet H. Cranna, F.S.A., E.A., M.A.A.A., F.C.A.
Principal, Consulting Actuary

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## SECTION I - SUMMARY OF KEY RESULTS

The Judicial Retirement System of New Jersey became effective June 1, 1973. This report, prepared as of July 1, 2010, presents the results of the annual actuarial valuation of the Fund.

For convenience of reference, the principal results of the valuation and a comparison with the preceding year's results are summarized on the following pages.

|  | After Reflecting <br> Chapter 78, P.L. 2011 <br> July 1, 2010 |  | Prior to Reflecting <br> Chapter 78, P.L. 2011 <br> July 1, 2010 |  | July 1, 2009 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Valuation Date |  |  |  |  |  |  |
| Number of Members |  | 432 |  | 432 |  | 422 |
| Annual Compensation | \$ | 71,746,413 | \$ | 71,746,413 | \$ | 70,133,372 |
| Number of Retireds and Beneficiaries |  | 505 |  | 505 |  | 482 |
| Annual Allowances | \$ | 41,250,479 | \$ | 41,250,479 | \$ | 38,472,184 |
| Number of Vested Terminated Members |  | 3 |  | 3 |  | 3 |
| Annual Allowances | \$ | 93,690 | \$ | 93,690 | \$ | 93,690 |
| Assets |  |  |  |  |  |  |
| Market Value of Assets | \$ | 261,523,992 * | \$ | 261,523,992 * | \$ | 261,751,336 |
| Valuation Assets | \$ | 329,030,387 * | \$ | 329,030,387 * | \$ | 355,522,646 |
| Contribution Amounts |  |  |  |  |  |  |
| Pension Contribution |  |  |  |  |  |  |
| a) Recommended Contribution |  |  |  |  |  |  |
| Normal Contribution <br> Accrued Liability Contribution | \$ | $\begin{array}{r} 17,846,741 \\ 20,505,831 \\ \hline \end{array}$ | \$ | $\begin{array}{r} 20,385,949 \\ 17,679,824 \end{array}$ | \$ | $\begin{aligned} & 20,157,200 \\ & 14,496,537 \end{aligned}$ |
| Total Pension Contribution | \$ | 38,352,572 | \$ | 38,065,773 | ${ }_{* *}{ }^{\$}$ | 34,653,737 |
| b) Chapter 1, P.L. 2010 <br> Minimum Contribution |  |  |  |  |  |  |
| Normal Contribution Accrued Liability Contribution | \$ | $\begin{array}{r} 2,549,534 \\ 2,929,404 \\ \hline \end{array}$ | \$ | $\begin{array}{r} 2,912,278 \\ 2,525,689 \\ \hline \end{array}$ |  | $\begin{aligned} & \text { N/A } \\ & \text { N/A } \\ & \hline \end{aligned}$ |
| Total Pension Contribution | \$ | 5,478,938 ${ }^{\text {® }}$ | \$ | 5,437,967 ${ }^{\text {® }}$ |  | N/A |
| Non-Contributory Group Insurance Premium | \$ | 959,000 | \$ | 959,000 | \$ | 864,000 |

[^1]The major benefit and contribution provisions of the statute as reflected in the valuation are summarized in Appendix A.

The valuation reflects the final provisions of the Appropriation Act for fiscal year 2010, which allowed the State Treasurer to reduce the State normal and accrued liability contributions for fiscal year 2010 of $\$ 28,857,945$ to $\$ 0$. (This amount excludes the estimated premium paid to the Non-Contributory Insurance Fund of $\$ 1,105,000$ for the lump sum death benefit during active service.)

The valuation also reflects the potential impact of the Appropriation Act for fiscal year 2011, which may allow the State Treasurer to reduce the State normal and accrued liability contributions for fiscal year 2011 of $\$ 34,653,737$ to $\$ 0$. (This amount excludes the estimated premium paid to the Non-Contributory Insurance Fund of $\$ 864,000$ for the lump sum death benefit during active service.) This amount may be subject to change per the requirements of the State's fiscal year 2011 spending plan.

The valuation also reflects Chapter 1, P.L. 2010 which allows the State Treasurer to phase in to the full recommended pension contribution. The State would be in compliance with its funding requirement provided the State makes a payment of at least $1 / 7^{\text {th }}$ of the full contribution, as computed by the actuaries, in the State fiscal year commencing July 1, 2011 and makes a payment in each subsequent fiscal year that increases by at least an additional $1 / 7^{\text {th }}$ until payment of the full contribution is made in the seventh fiscal year and thereafter.

The valuation also reflects Chapter 78, P.L. 2011, which increases member contributions by $9 \%$ of salary phased-in over a period of seven years, beginning October 2011. (The increase in member contributions will be fully phased-in in July 2017). In addition, Chapter 78, P.L. 2011 suspends cost of living adjustments for all current and future retirees and beneficiaries until reactivated as permitted by law; however, Chapter 78, P.L. 2011 does not reduce the benefit for cost of living adjustments that were made in prior years.

Chapter 78, P.L. 2011 also provides that when a target funded ratio for the System is achieved, the State House Commission will have the discretionary authority to modify the member contribution rate, formula for calculation of final salary, fraction used to calculate a retirement allowance, age at which a member may be eligible and the benefits for service or early retirement, and benefits provided for disability retirement. The State House Commission will not have authority to change the number of years required for vesting. The State House Commission will have the authority to reactivate the cost of living adjustment on pensions, modify the basis for the calculation of the cost of living adjustment and set the duration and extent of the activation. The State House Commission must give priority consideration to the reactivation of the cost of living adjustment. No decision of the State House Commission shall be implemented if the direct or indirect result of the decision will be that the System's funded ratio falls below the target funded ratio in any valuation period during the 30 years following the implementation of the decision. The "target funded ratio" is defined as the ratio of the actuarial value of assets of the actuarially determined accrued liabilities expressed as a percentage that will be 75 percent in State fiscal year 2012, and increased annually by equal increments in each of the subsequent seven fiscal years, until the ratio reaches 80 percent at which it is to remain for all subsequent fiscal years.

There were no other changes from the provisions used in the prior valuations.

The actuarial assumptions and methods used for valuing the Fund are summarized in Appendix B. Chapter 78, P.L. 2011 changed the methodology used to amortize the unfunded accrued liability. Beginning with the July 1, 2010 actuarial valuation, the accrued liability contribution shall be computed so that if the contribution is paid annually in level dollars, it will amortize the unfunded accrued liability over an open 30 year period. Beginning with the July 1, 2019 actuarial valuation, the accrued liability contribution shall be computed so that if the contribution is paid annually in level dollars, it will amortize the unfunded accrued liability over a closed 30 year period (i.e., for each subsequent actuarial valuation, the amortization period shall decrease by one year.) Beginning with the July 1, 2029 actuarial valuation when the remaining amortization period reaches 20 years, any increase or decrease in the unfunded accrued liability as a result of actuarial losses or gains for subsequent valuation years shall serve to increase or decrease, respectively,
the amortization period for the unfunded accrued liability, unless an increase in the amortization period will cause it to exceed 20 years. If an increase in the amortization period as a result of actuarial losses for a valuation year would exceed 20 years, the accrued liability contribution shall be computed for the valuation year using a 20 year amortization period.

There were no other changes to the actuarial assumptions and methods used in the prior valuation.

The combination of the plan provisions, actuarial assumptions and member and beneficiary data is used to generate the overall required level of State contributions. These contributions are composed of two separate portions, an "accrued liability contribution" and a "normal contribution". The recommended contribution is developed in Section III F.

The valuation generates a balance sheet which summarizes in some detail the total present and prospective assets and liabilities of the Fund. A summary comparison of the balance sheets as of July 1, 2009 and July 1, 2010 is set forth in the following table. The allocation of assets among the various investment alternatives is shown in graphic form on page 7 .

TABLE I

## COMPARATIVE BALANCE SHEET




## SECTION II - EMPLOYEE DATA

The data employed for the valuations were furnished to the actuary by the Division of Pensions and Benefits. The following summarizes and compares the Fund membership as of July 1, 2009 and July 1, 2010 by various categories.

## ACTIVE MEMBERSHIP

|  | 2010 |  | 2009 |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Group | Number | Annual <br> Compensation | Number | Annual <br> Compensation |  |
| Men | 316 | $\$$ | $52,424,146$ | 311 | $\$ 51,628,499$ |
| Women | 116 | $\$$ | $19,322,267$ | 111 | $\$$ |
| $18,504,873$ |  |  |  |  |  |

## RETIRED MEMBERS AND BENEFICIARIES

| GROUP | 2010 |  | 2009 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | Annual Allowances | Number | Annual Allowances |
| Deferred Terminated Vesteds | 3 | \$ 93,690 | 3 | \$ 93,690 |
| Service Retirements | 349 | \$ 33,892,691 | 331 | \$ 31,693,917 |
| Disability Retirements | 7 | \$ 774,383 | 6 | \$ 635,211 |
| Beneficiaries | 149 | \$ 6,583,405 | 145 | \$ 6,143,056 |

Appendix C provides a detailed distribution between groups.

Graphic presentations of the statistical data on membership for the five preceding years are shown on the following pages.

## THE JUDICIAL RETIREMENT SYSTEM OF NEW JERSEY

SUMMARY OF ACTIVE PARTICIPATION


## THE JUDICIAL RETIREMENT SYSTEM OF NEW JERSEY

SUMMARY OF RETIRED PARTICIPATION


## SECTION III - ASSETS, LIABILITIES AND CONTRIBUTIONS

## A. Market Value of Assets as of June 30, 2010

1. Assets
a. Cash \$ 101,899
b. Securities Lending Collateral 52,264
c. Investment Holdings 260,949,974
d. Interest Receivable on Investments 1,324,009
e. Employer Contribution Receivable - NCGI 26,500
f. Members Contribution Receivable 15,209
g. Accounts Receivable 1,320,069
h. Dividends Receivable 170,827
i. Loans Receivable $\quad 1,219,184$
j. Interest Receivable - Member Loans 3,133
k. Total
\$ 265,183,068
2. Liabilities

| a. | Pension Payroll Payable | $\$$ | $2,341,983$ |
| :--- | :--- | ---: | ---: |
| b. | Pension Adjustment Payroll Payable | 367,600 |  |
| c. | Withholdings Payable | 800,586 |  |
| d. | Securities Lending Collateral and Rebates Payable |  | 51,790 |
| e. | Accounts Payable - Other | 69,918 |  |
| f. | Securities Purchased in Transit | 699 |  |
| g. | Death Benefits Payable |  | 26,500 |
| h. | Total | $\$$ | $3,659,076$ |

3. Preliminary Market Value of Assets as of June 30, 2010: 1(k)-2(h)
4. State Appropriations Receivable
5. Market Value of Assets as of June 30, 2010: 3. + 4.
\$ 261,523,992 **
[^2]1. Market Value of Assets as of June 30, 2009 260,628,336
2. Increases
a. Pension Contributions
$\begin{array}{lrr}\text { Members' Contributions } & \$ & 1,960,370 \\ \text { Transfer from Other Systems } & & 596,471\end{array}$
b. Accumulative Interest

Transfer from Other Systems 498,041
c. Employers' Contributions

State Appropriations
0 *
Non-Contributory Group Insurance 1,032,857
Transfer from Other Systems 1,275,669
Administrative Fee Loans 328
d. Income

Per Statement
e. Total
$\quad 37,131,556$
$\$ \quad 42,495,292$
3. Decreases
a. Benefits Provided by Members

Withdrawals - Members' Contributions
Regular
\$
111,770
Transfer
0
Withdrawals - Member Interest
Regular 62,592
Transfer
b. Benefits Provided by Employers and Members

Retirement Allowances
35,634,276
c. Benefits Provided by Employers

Benefit Expense - Pension Adjustment - State 4,565,378
Administrative Expense
192,700
Transfer Withdrawal - Employer Benefits 0
Miscellaneous Expense 63
NCGI Premium Expense $\quad 1,032,857$
d. Total
\$ 41,599,636
4. Preliminary Market Value of Assets as of June 30, 2010: $1+2$ (e) -3 (d)
5. State Appropriations Receivable
6. Market Value of Assets as of June 30, 2010:
4. +5 .
\$ 261,523,992 \#

[^3]
## C. Development of Actuarial Value of Assets as of July 1, 2010

The actuarial value of plan assets is determined using a five-year average of market value with write-up. The following summary shows the development of the actuarial value of plan assets for the current valuation.

1. Actuarial Value of Assets as of July 1, 2009 (without State Appropriations Receivable)
2. Net Cash Flow excluding investment income
3. Expected Investment Income at $8.25 \%$
a. Interest on assets as of July 1, 2009
b. Interest on Net Cash Flow
c. Total
\$ 354,399,646

| \$ | $29,237,971$ <br> $(1,494,731)$ |
| :--- | :--- |
| $\$$ | $27,743,240$ |

4. Expected Actuarial Value of Assets as of July 1, 2010: 1. $+2 .+3$.(c)
\$ 345,906,986
5. $20 \%$ of Difference from Preliminary Market Value of Assets
(16,876,599)
6. State Appropriations Receivable
7. Actuarial Value of Assets as of July $1,2010=4 .+5 .+6$.

|  |
| :--- |
| $\$ \quad 329,030,387$ |${ }^{*}$

* The fiscal year 2011 recommended contribution of $\$ 34,653,737$ has been reduced to $\$ 0$ to reflect the potential impact of the Appropriation Act for fiscal year 2011. This amount may be subject to change per the requirements of the State's fiscal year 2011 spending plan.
** Excludes assets held in the Non-Contributory Group Insurance Fund.


## D. Present Value of Projected Benefits as of July 1, 2010

1. Retirees and Beneficiaries
a. Service Retirement
b. Disability Retirement
c. Beneficiaries
d. Lump Sum Death Benefits
e. Total
2. Terminated Vested Members

|  | Reflecting Chapter 78, $\text { P.L. } 2011$ |  | Prior to Reflecting Chapter 78, P.L. 2011 |
| :---: | :---: | :---: | :---: |
| \$ | 296,806,007 | \$ | 330,412,712 |
|  | 6,064,423 |  | 6,760,902 |
|  | 47,219,806 |  | 52,265,310 |
|  | 4,299,874 |  | 4,299,874 |
| \$ | 354,390,110 | \$ | 393,738,798 |
| \$ | 699,437 | \$ | 844,466 |

3. Active Participants
a. Service Retirement
b. Disability Retirement
c. Spousal Annuity Death Benefit
(Pre-Retirement)
d. Lump Sum Death Benefit*
e. Total

| \$ | 188,654,936 | \$ | 213,458,858 |
| :---: | :---: | :---: | :---: |
|  | 5,837,260 |  | 6,454,995 |
|  | 3,204,009 |  | 3,675,997 |
|  | 1,754,651 |  | 1,754,651 |
| \$ | 199,450,856 | \$ | 225,344,501 |

4. Total Actuarial Accrued Liability:
$1(\mathrm{e})+2+3(\mathrm{e})$
\$ 554,540,403 \$ 619,927,765
*Excludes lump sum death benefits payable during active service.

## E. Development of Normal Cost as of July 1, 2010

|  |  | After Reflecting Chapter 78, P.L. 2011 |  | Prior to Reflecting Chapter 78, P.L. 2011 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1. | Service Retirement | \$ | 16,685,464 | \$ | 19,038,310 |
| 2. | Disability Retirement |  | 912,434 |  | 1,011,562 |
| 3. | Spousal Annuity Death Benefit (Pre-Retirement) |  | 487,224 |  | 560,938 |
| 4. | Lump Sum Death Benefit* |  | 169,214 |  | 169,214 |
| 5. | Total Pension Normal Cost* $=$ $1 .+2 .+3 .+4$. | \$ | 18,434,336 | \$ | 20,780,024 |

*Excludes lump sum death benefits payable during active service.

## F. Development of Recommended State Pension Contributions

|  |  |  | After Reflecting Chapter 78, P.L. 2011 | Prior to Reflecting Chapter 78, P.L. 2011 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1. | Present Value of Benefits | \$ | 554,540,403 | \$ | 619,927,765 |
| 2. | Actuarial Value of Assets |  | 329,030,387 |  | 329,030,387 |
| 3. | Unfunded Actuarial Accrued Liability $($ Surplus $)=1 .-2$. | \$ | 225,510,016 | \$ | 290,897,378 |
| 4. | Amortization Period |  | 30 |  | 30 |
| $5 .$ | Amortization of Unfunded Actuarial Accrued Liability payable July 1, 2011 | \$ | 20,505,831* | \$ | 17,679,824** |
|  | Gross Normal Cost (excluding | \$ |  | \$ |  |
|  | Expected Member Contributions ${ }^{\varnothing}$ |  | 1,947,739 |  | 1,947,739 |
|  | State Normal Cost = (a) - (b) | \$ | 16,486,597 | \$ | 18,832,285 |
|  | State Normal Cost payable July 1, 2011 $=(\mathrm{c}) * 1.0825$ | \$ | 17,846,741 | \$ | 20,385,949 |
| 7. | Total Recommended Pension Contribution as of July 1, $2011=5 .+6$.(d) | \$ | 38,352,572 | \$ | 38,065,773 |

[^4]
## G. Development of Chapter 1, P.L. 2010 Minimum Required Pension Contributions ${ }^{\varnothing}$

After Reflecting Chapter 78, P.L. 2011
\$ F.6.(d) x 1/7

2 Amortization of Unfunded Actuarial Accrued Liability payable July $1,2011=$ F.5. x $1 / 7$

2,929,404
3 Total Pension Contribution as of July 1, 2011 $=1$. +2 .
${ }^{\varnothing}$ Chapter 1, P.L. 2010 allows the State Treasurer to reduce the recommended contribution for the 2012 fiscal year to no less than $1 / 7^{\text {th }}$ of the recommended contribution.
Øø Contribution could be subject to change per the requirements of the State's fiscal year 2012 spending plan.

## H. Non-Contributory Group Insurance Premium

 (one-year term cost) \$\$ 959,000 \$
959,000

## SECTION IV - COMMENTS CONCERNING THE VALUATION

The variation in liabilities and contributions reflects the System's actual experience during the year. The System experienced a net actuarial loss during the year that ended June 30, 2010.

The loss is primarily due to an actual return on System assets less than expected. For valuation purposes, an $8.25 \%$ per annum rate of return was assumed. The actual return on the Fund's actuarial value of assets was approximately $3.23 \%$ for the period from July 1, 2009 through June 30, 2010. There was an offsetting net gain due to experience among active and retired members.

The following shows the development of the actuarial experience, identifies the major experience components, and discusses the impact of the unfunded liability on various funded ratios:

## A. Calculation of Actuarial Experience for the Year Ended June 30, 2010

1. Unfunded Accrued Liability as of July 1, 2009
2. Gross Normal Cost as of July 1, 2009
3. Interest on (1) and (2)
4. Actual Members' Contributions Received
5. Employers' Contributions (including receivable)
6. Interest on Contributions (excluding receivables)
7. Expected Unfunded Accrued Liability as of July 1, 2010 $=(1)+(2)+(3)-(4)-(5)-(6)$
\$ 278,337,180
8. Change in Unfunded Accrued Liability due to the phase-in provisions of the Appropriation Act for fiscal year 2010
$1,215,648$ *
9. Change in Unfunded Accrued Liability due to the provisions of Chapter 78, P.L. 2011
$(65,387,362)$
10. Actual Unfunded Accrued Liability as of July 1, 2010

225,510,016
11. Actuarial (Gain)/Loss $=(10)-(7)-(8)-(9)$
\$ 11,344,550

* The anticipated Appropriation Act for fiscal year 2010 contribution of $\$ 1,123,000$ has been reduced to $\$ 0$ in accordance with the final provisions of the Appropriation Act for fiscal year 2010. Reflects interest on the $\$ 1,123,000$.


## B. Components of Actuarial Experience

1. Investment (Gain)/Loss
\$ 16,876,599
2. Other (Gain)/Loss, including mortality, cost-of-living adjustments less than expected, salary increases less than expected and changes in employee data
$(5,532,049)$
3. Total Actuarial (Gain)/Loss
\$ 11,344,550

## C. Funded Ratios

The following table presents the System's funded ratio based on the actuarial value of assets (including receivables) and market value basis (including receivables).

|  | After <br> Reflecting <br> Chapter 78, <br> P.L. 2011 | Prior to <br> Reflecting <br> Chapter 78, <br> P.L. 2011 |  | Change <br> After <br> Reflecting <br> Chapter 78, <br> P.L. 2011 | Change <br> Prior to <br> Reflecting <br> Chapter 78, <br> P.L. 2011 |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | June 30, 2010 <br> $(\mathbf{1 )}$ | June 30, 2010 <br> $(2)$ | June 30, 2009 <br> (3) | $(\mathbf{1})-(\mathbf{3})$ | $(\mathbf{( 2 ) - ( 3 )}$ |
|  |  |  |  |  |  |
| Actuarial Value of <br> Assets | $59.3 \%$ | $53.1 \%$ | $59.8 \%$ | $(0.5) \%$ | $(6.7) \%$ |
| Market Value of <br> Assets | $47.2 \%$ | $42.2 \%$ | $44.1 \%$ | $3.1 \%$ | $(1.9) \%$ |

There is a difference on a market value basis since the actuarial value smooths the investment gains and losses over time. Since July 1, 2000, the funded ratio on a market value basis has decreased by $71.8 \%$. This decrease is primarily due to investment losses experienced over the period, State contributions less than the GASB Annual Required Contribution, and the strengthening of actuarial assumptions.

As of June 30, 2010, the market value of assets is less than the actuarial liability attributable to retirees. Furthermore, if the assets contained in the Annuity Savings Fund (ASF) of \$40,420,198 are excluded, the funded ratio of the remaining market value of assets to the actuarial accrued liability for retirees is $62.4 \%$.

As of June 30, 2010, the ratio of market value of assets to the prior year's benefit payment is 6.5 . This is a simplistic measure of the number of years that the assets can cover benefit payments, excluding future increases in those payments, State and member contributions, and investment income. This ratio decreased by $8.5 \%$ from the previous year's ratio of 7.1. If ASF assets are excluded, since they represent accumulated contributions from active and inactive members, the ratio is 5.5.

## SECTION V - ACCOUNTING INFORMATION

Statement No. 5 of the Governmental Accounting Standards Board, issued November 1986, established standards of disclosure of pension information by public retirement systems. Statement No. 25 of the Governmental Accounting Standards Board, issued November 1994, established financial reporting standards for defined benefit pension plans and for the notes to the financial statements of defined contribution plans of state and local governmental liabilities and superseded Statement No. 5 effective for periods beginning after June 15, 1996. Statement No. 27, Accounting for Pensions by State and Local Governmental Employers superseded Statement 5 for employers participating in pension plans and is effective for periods beginning after June 15, 1997. Statement No. 50, Accounting for Pensions by State and Local Governmental Employers amends the note disclosure and required supplementary information (RSI) of Statements No. 25 and No. 27 to conform with applicable changes adopted in Statements No. 43 and 45 for Postemployment Benefit Plans other than Pension Plans. Statement No. 50 is intended to improve the transparency of reported information about pensions by State and Local governmental plans and employers. Statement No. 50 is effective for periods beginning after June 15, 2007.

The information required by Statements No. 25, No. 27 and No. 50 is presented in the following tables. These include the development of the Annual Required Contribution (ARC), the development of the Net Pension Obligation (NPO), the Schedule of Funding Progress and the Schedule of Employer Contributions.

## A. Development of the Annual Required Contribution (ARC) as of June 30, 2012

 (Reflects Chapter 78, P.L. 2011):1. Actuarial Value of Plan Assets as of June 30, 2010
(a) Valuation Assets as of June 30, 2010
(b) Adjustment for Receivable Contributions included in (a)
(c) Valuation Assets as of June 30, 2010 for GASB Disclosure = (a) - (b)
\$ 329,030,387
$\qquad$ 0*
\$ 329,030,387
*Receivable contribution for fiscal year 2011.
2. Actuarial Accrued Liability as of June 30, 2010 for GASB Disclosure
3. Unfunded Actuarial Accrued Liability/(Surplus) as of June 30, $2010=2$ - - 1.(c)
4. Amortization of Unfunded Actuarial Accrued Liability/(Surplus) over 30 years (Level Dollar)
\$ 554,540,403
\$ 18,943,031
5. Normal Cost as of June 30, 2010 (excludes NCGIPF)
\$ 16,486,597
6. Annual Required Contribution as of June 30, 2012
(a) Annual Required Contribution as of June 30, $2010=4 .+5$.
\$ 35,429,628
(b) Interest Adjustment to June 30, 2012 6,087,032
(c) Non-Contributory Group Insurance Premium
959,000
(d) Annual Required Contribution as of June 30, $2012=(\mathrm{a})+(\mathrm{b})+(\mathrm{c})$
\$ 42,475,660

## B. Development of the Net Pension Obligation (NPO) as of June 30, 2012

 (Reflects Chapter 78, P.L 2011):1. Annual Required Contribution as of June 30, 2012 \$ 42,475,660
2. Interest on Net Pension Obligation
3. Adjustment to Annual Required Contribution
4. Annual Pension Cost $=1 .+2 .+3$.
5. Expected Employer Contributions for Fiscal Year 2012
\$ 6,437,938*
6. Increase in Net Pension Obligation =4. - 5.
\$ 34,982,441
7. Net Pension Obligation at June 30, 2011
8. Net Pension Obligation at June 30, 2012

$$
=6 .+7 . \quad \$ \quad 160,150,570
$$

[^5]| Actuarial <br> Valuation <br> Date | Actuarial Value of Assets <br> (a) | Actuarial <br> Accrued <br> Liability <br> (b) | Unfunded <br> Actuarial <br> Accrued <br> Liability <br> (b-a) | Funded Ratio (a/b) | Covered Payroll (c) | Unfunded <br> Actuarial Accrued <br> Liability as a Percentage of Covered Payroll $\frac{(b-a)}{c}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6/30/2005 | \$ 369,491,366 | \$ 466,145,912 | \$ 96,654,546 | 79.3\% | \$ 60,506,750 | 159.7\% |
| 6/30/2006 | \$ 369,493,799 | \$ 493,778,007 | \$ 124,284,208 | 74.8\% | \$ 62,492,250 | 198.9\% |
| 6/30/2007 | \$ 379,364,939 | \$ 524,970,330 | \$ 145,605,391 | 72.3\% | \$ 63,144,685 | 230.6\% |
| 6/30/2008 | \$ 380,964,713 | \$ 553,284,647 | \$ 172,319,934 | 68.9\% | \$ 67,159,516 | 256.6\% |
| 6/30/2009 | \$ 354,399,646 | \$ 594,043,375 | \$ 239,643,729 | 59.7\% | \$ 70,133,372 | 341.7\% |
| 6/30/2010 ${ }^{\text {® }}$ | \$ 329,030,387 | \$ 554,540,403 | \$ 225,510,016 | 59.3\% | \$ 71,746,413 | 314.3\% |

${ }^{\emptyset}$ Reflects Chapter 78, P.L. 2011.

## D. Schedule of Employer Contributions

| Fiscal Year ${ }^{\#}$ | Annual Required <br> Contribution | Employer <br> Contribution | Percentage <br> Contributed |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\$$ | $25,174,191$ | $\$$ | $12,741,898$ | $50.6 \%$ |
| 2008 | $\$$ | $27,171,100$ | $\$$ | $12,913,890^{*}$ | $47.5 \%$ |
| 2009 | $\$$ | $29,809,782$ | $\$$ | $1,696,843 * *$ | $5.7 \%$ |
| 2010 | $\$$ | $32,540,704$ | $\$$ | $1,032,857^{\varnothing}$ | $3.2 \%$ |
| 2011 | $\$$ | $38,450,553$ | $\$$ | $864,000^{\varnothing \varnothing}$ | $2.2 \%$ |
| $2012^{\# \#}$ | $\$$ | $42,475,660$ | $\$$ | $6,437,938^{\wedge}$ | $15.2 \%$ |

* The fiscal year 2008 recommended contribution of $\$ 24,288,613$ has been reduced to $\$ 12,913,890$ in accordance with the provisions of the Appropriation Act for fiscal year 2008.
** The fiscal year 2009 recommended contribution of $\$ 26,811,196$ has been reduced to $\$ 3,643,000$ in anticipation of the provisions of the Appropriation Act for fiscal year 2009. The amount has been further reduced to $\$ 1,696,843$ due to the final provisions of the Appropriation Act for fiscal year 2009.
${ }^{\varnothing}$ The fiscal year 2010 recommended contribution of $\$ 29,962,945$ has been reduced to $\$ 2,228,000$ in anticipation of the provisions of the Appropriation Act for fiscal year 2010. The amount has been further reduced to $\$ 1,032,857$ due to the final provisions of the Appropriation Act for fiscal year 2010.
$\emptyset^{\circ}$ The fiscal year 2011 recommended contribution of $\$ 35,517,737$ has been reduced to $\$ 864,000$ in anticipation of the provisions of the Appropriation Act for fiscal year 2011. This amount may be subject to change per the requirements of the State's fiscal year 2011 spending plan.
$\wedge$ The recommended contribution of $\$ 39,311,572$ has been reduced to $\$ 6,437,938$ for fiscal year 2012 in accordance with Chapter 1, P.L. 2010. This amount may be subject to change per the requirements of the State's fiscal year 2012 spending plan.
\# The contribution amounts reflect premiums paid to the Non-Contributory Group Insurance Premium Fund.
\#\# Reflects Chapter 78, P.L. 2011.
E. The information presented in the required supplementary schedules was determined as part of the actuarial valuation. Additional information follows:

| Valuation Date | June 30, 2010 |
| :--- | :--- |
| Actuarial Cost Method | Projected Unit Credit |
| Amortization Method | Level Dollar, Open |
| Remaining Amortization Period | 30 years |
| Asset Valuation Method | Five-Year Average of Market Value |
| Actuarial Assumptions: |  |
| $\quad$ Investment Rate of Return | $8.25 \%$ |
| Projected Salary Increases | $4.50 \%$ |
| Cost of Living Adjustments | $0.00 \%$ |

## SECTION VI - LEVEL OF FUNDING

Although the value of accrued benefits and the funding ratios shown in the previous section are required for the State's financial statements, it is instructive to also look at these values under an alternative approach. For this purpose, we are presenting liabilities determined on a Financial Accounting Standards Board Statement No. 87 Accumulated Benefit Obligation (ABO) basis. This is the same approach as that used for the GASB Actuarial Accrued Liability except that no assumption is made as to future salary increases.

| FASB 87 ABO Funded Ratios <br> Actuarial present value of accumulated benefits: |  | June 30, $2010{ }^{\text {® }}$ |  | June 30, 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Vested benefits Participants currently receiving payments Other participants | \$ | $\begin{aligned} & 354,390,110 \\ & 105,427,087 \\ & \hline \end{aligned}$ | \$ | $\begin{aligned} & 364,446,307 \\ & 120,667,247 \\ & \hline \end{aligned}$ |
|  | \$ | 459,817,197 | \$ | 485,113,554 |
| Non-vested benefits |  | 60,459,770 |  | 69,036,905 |
| Total | \$ | 520,276,967 | \$ | 554,150,459 |
| Assets at market value | \$ | 261,523,992 | \$ | 261,751,336 |
| Ratio of assets to total present value |  | 50.3\% |  | 47.2\% |

${ }^{\varnothing}$ Reflects Chapter 78, P.L. 2011.
The actuarial present value of vested and non-vested accrued benefits was based on an interest rate of $8.25 \%$ for both 2010 and 2009.

# APPENDIX A <br> BRIEF SUMMARY OF THE BENEFIT AND CONTRIBUTION PROVISIONS AS INTERPRETED FOR VALUATION PURPOSES 

## Eligibility for Membership

Chief Justice and associate justices of the Supreme Court, judges of the Superior Court and tax courts of the State of New Jersey.

## 1. Definitions

Plan Year
Service

Final Salary

Accumulated Deductions

Retirement Allowance

The 12-month period beginning on July 1 and ending on June 30.
A year is credited for each year of service as a public employee in the State of New Jersey. Any service, for which member did not receive annual salary of at least $\$ 500$, shall be excluded.

Annual salary received by the member at the time of retirement or other termination of service. (Effective June 30, 1996, Chapter 113, P.L. 1997 provided that the amount of compensation used for employer and member contributions and benefits under the program cannot exceed the compensation limitation of Section 401(a)(17) of the Internal Revenue Code.)

The sum of all amounts deducted from the compensation of a member or contributed by him or on his behalf.

Pension derived from contributions of the State plus the annuity derived from employee contributions.
2. Benefits

Service Retirement
(A) Mandatory retirement at age 70. Voluntary retirement prior to age 70 as follows:
(a) Age 70 and 10 years of judicial service;
(b) Age 65 and 15 years of judicial service; or
(c) Age 60 and 20 years of judicial service.

Benefit is an annual retirement allowance equal to $75 \%$ of final salary.
(B) Age 65 while serving as a judge, 5 consecutive years of judicial service and 15 years in the aggregate of public service; or

Age 60 while serving as a judge, 5 consecutive years of judicial service and 20 years in the aggregate of public service.

Benefit is an annual retirement allowance equal to $50 \%$ of final salary.
(C) Age 60 while serving as a judge, 5 consecutive years of judicial service and 15 years in the aggregate of public service. Benefit is an annual retirement allowance equal to $2 \%$ of final salary for each year of public service up to 25 years plus $1 \%$ of final salary for each year in excess of 25 years.
(D) Age 60 while serving as a judge. Benefit is an annual retirement allowance equal to $2 \%$ of final salary for each year of judicial service up to 25 years plus $1 \%$ for each year in excess of 25 years.

Early Retirement

Vested Termination

Death Benefits
Before Retirement

After Retirement

Death of an active member of the plan. Benefit is equal to:
(a) Lump sum payment equal to $1-1 / 2$ times final salary, plus
(b) Spousal life annuity of $25 \%$ of final salary payable until spouse's remarriage plus $10 \%$ ( $15 \%$ ) to one (two or more) dependent child (children). If there is no surviving spouse, or upon death or remarriage, a total of $15 \%(20 \%, 30 \%)$ of final salary payable to one (two, three or more) dependent child (children). If there is no surviving spouse (or dependent children), $20 \%$ or $30 \%$ of final salary to one or two dependent parents.

Death of a retired member of the plan. Benefit is equal to:
(a) Lump sum of $25 \%$ of final salary for a member retired under normal or early retirement. If a member were receiving a disability benefit, a lump sum 1-1/2 times final salary if death occurred before the member attained age 60 and $1 / 4$ times final salary if death occurred after age 60 , plus
(b) Spousal life annuity of $25 \%$ of final salary payable until spouse's remarriage plus $10 \%$ ( $15 \%$ ) to one (two or more) dependent child (children). If there is no surviving spouse, or upon death or remarriage, a total of $15 \%(20 \%, 30 \%)$ of final salary payable to one (two, three or more) dependent child (children).

Disability Retirement

Member Contributions

Physically or otherwise incapacitated for the full and efficient service to State in his judicial capacity and such incapacity is likely to be permanent. Benefit is an annual retirement allowance of $75 \%$ of final salary.

Any member enrolled prior to January 1, 1996 contributes 3\% of the difference between current salary and salary for that position on January 18, 1982. Members enrolled on and after January 1, 1996 contribute $3 \%$ of their full salary.

Chapter 78, P.L. 2011 increased Member Contributions by 9\% of salary phased-in over a period of seven years beginning October 2011. (The additional $9 \%$ of salary will be fully phased-in in July 2017.)
(a) For members enrolled prior to January 1, 1996:
i. Member Contributions of $9 \%$ (phased-in over a period of seven years beginning October 2011) of the salary for that position on January 18, 1982.
ii. Member Contributions increase from $3 \%$ to $12 \%$ (phased-in over a period of seven years beginning October 2011) of the difference between current salary and salary for that position on January 18, 1982.
(b) For members enrolled on or after January 1, 1996, Member Contributions increase from $3 \%$ to $12 \%$ of full salary phased-in over a period of seven years beginning October 2011.

## APPENDIX B

## OUTLINE OF ACTUARIAL ASSUMPTIONS AND METHODS

VALUATION INTEREST RATE: $8.25 \%$ per annum, compounded annually.
COLA: No future COLA is assumed.
SALARY INCREASES: Salaries are assumed to increase by $4.50 \%$ per year.
SEPARATIONS FROM SERVICE: Representative mortality and disability rates are as follows:

## Lives per Thousand

Death

| Age | Male | Female |  | Disability |
| :--- | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| 30 | 0.38 | 0.22 | 0.22 |  |
| 35 | 0.44 | 0.35 | 0.26 |  |
| 40 | 0.77 | 0.55 |  | 0.33 |
| 45 | 1.08 | 0.85 | 0.64 |  |
| 50 | 1.51 | 1.33 |  | 1.14 |
| 55 | 2.14 | 2.02 | 1.97 |  |
| 60 | 3.62 | 3.48 | 3.26 |  |
| 65 | 6.75 | 6.66 |  | 4.73 |

DEATHS AFTER RETIREMENT: Illustrative rates of mortality for retired members are shown below:

## Lives Per Thousand

|  <br> Beneficiaries of <br> Deceased Members | Disabled Members |  |  |
| ---: | ---: | ---: | ---: |
| Males | Females | $\underline{\text { Males }}$ | $\underline{\text { Females }}$ |
| 2.14 | 2.02 | 38.03 | 18.65 |
| 3.62 | 3.48 | 44.98 | 24.08 |
| 6.75 | 6.66 | 54.45 | 31.32 |
| 12.74 | 12.16 | 69.41 | 42.85 |
| 22.21 | 20.66 | 92.15 | 59.54 |
| 37.83 | 34.11 | 121.88 | 82.30 |
| 64.37 | 56.29 | 155.23 | 114.51 |
| 110.76 | 96.34 | 216.61 | 159.92 |

RETIREMENT: It was assumed that the probability of retirement at age 65 for those judges who have 12 or more years of judicial service at age 65 is at $25 \%$ per year. In addition, retirement for members who have attained age 60 with 20 years of judicial service or attained age 65 with 15 years judicial service is at $30 \%$ at age $60,25 \%$ at age 65 and $20 \%$ for all other ages between ages 60 and 70 . At age 70 , all remaining active members are assumed to retire.

VALUATION METHOD: Projected Unit Credit Method. This method essentially funds the System's benefits accrued to the valuation date. Experience gains and losses are recognized in future accrued liability contributions. In accordance with Chapter 78, P.L. 20111, beginning with the July 1, 2010 actuarial valuation, the accrued liability contribution shall be computed so that if the contribution is paid annually in level dollars, it will amortize the unfunded accrued liability over an open 30 year period. Beginning with the July 1, 2019 actuarial valuation, the accrued liability contribution shall be computed so that if the contribution is paid annually in level dollars, it will amortize the unfunded accrued liability over a closed 30 year period (i.e., for each subsequent actuarial valuation the amortization period shall decrease by one year.) Beginning with the July 1, 2029 actuarial valuation, when the remaining amortization period reaches 20 years, any increase or decrease in the unfunded accrued liability as a result of actuarial basis or gains for subsequent valuation years shall serve to increase or decrease, respectively, the amortization period for the unfunded accrued liability, unless an increase in the amortization period will cause it to exceed 20 years. If an increase in the amortization period as a result of actuarial losses for a valuation year would exceed 20 years, the accrued liability contribution shall be computed for the valuation year using a 20 year amortization period.

Chapter 78, P.L. 2011 increased the member contributions by $9 \%$ of salary, phased-in over a seven year period. Based on discussions with the Division of Pensions and Benefits, the increase in member contributions due to Chapter 78, P.L. 2011 shall not reduce the State's normal cost contribution.

ASSET VALUATION METHOD: A five year average of market values with write-up was used. This method takes into account appreciation (depreciation) in investments in order to smooth asset values by averaging the excess of the actual over the expected income, on a market value basis, over a five-year period.

## APPENDIX C

## TABULATIONS USED AS A BASIS FOR THE 2010 VALUATION

The following table gives a reconciliation of data from July 1, 2009 to June 30, 2010. Tables are also given showing the distribution of active members' salaries by age and length of service as of July 1, 2010 and showing the number and retirement allowances of beneficiaries classified by age as of July 1, 2010.

TABLE 1

RECONCILIATION OF DATA FROM JULY 1, 2009 TO JUNE 30, 2010


TABLE 2
DISTRIBUTION OF ACTIVE MEMBERS BY AGE AND SERVICE

| AGE SERVICE | 1 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $20 \begin{array}{ll}\text { Number } \\ \text { Salary }\end{array}$ |  |  |  |  |  |  |  |  |  |
| $25 \quad \begin{aligned} & \text { Number } \\ & \\ & \text { Salary }\end{aligned}$ |  |  |  |  |  |  |  |  |  |
| $30 \begin{array}{ll}\text { Number } \\ \text { Salary }\end{array}$ |  |  |  |  |  |  |  |  |  |
| 35 NumberSalary | $\begin{array}{r} 1 \\ 165,000 \end{array}$ |  |  |  |  |  |  |  | $\begin{array}{r} 1 \\ 165,000 \end{array}$ |
| 40Number <br> Salary | $\begin{array}{r} 8 \\ 1,320,000 \end{array}$ | $\begin{array}{r} 1 \\ 165,000 \end{array}$ |  |  |  |  |  |  | $\begin{array}{r} 9 \\ 1,485,000 \end{array}$ |
| $\begin{array}{ll} \hline 45 & \text { Number } \\ & \text { Salary } \\ \hline \end{array}$ | $\begin{array}{r} 10 \\ 1,650,000 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ 660,000 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ 330,000 \\ \hline \end{array}$ |  |  |  |  |  | $\begin{array}{r} 16 \\ 2,640,000 \\ \hline \end{array}$ |
| 50Number <br> Salary | $\begin{array}{r} 17 \\ 2,805,000 \\ \hline \end{array}$ | $\begin{array}{r} 30 \\ 4,977,795 \\ \hline \end{array}$ | $\begin{array}{r} 17 \\ 2,815,534 \\ \hline \end{array}$ | $\begin{array}{r} 2 \\ 330,000 \end{array}$ |  |  |  |  | $\begin{array}{r} 66 \\ 10,928,329 \end{array}$ |
| $55 \quad$Number <br> Salary | $\begin{array}{r} 18 \\ 2,970,000 \end{array}$ | $\begin{array}{r} 25 \\ 4,145,482 \end{array}$ | $\begin{array}{r} 31 \\ 5,166,498 \end{array}$ | $\begin{array}{r} 17 \\ 2,854,152 \end{array}$ | $\begin{array}{r} 6 \\ 1,003,462 \end{array}$ |  |  |  | $\begin{array}{r} 97 \\ 16,139,594 \end{array}$ |
| $60 \quad$Number <br> Salary | $\begin{array}{r} 16 \\ 2,640,000 \\ \hline \end{array}$ | $\begin{array}{r} 29 \\ 4,777,000 \\ \hline \end{array}$ | $\begin{array}{r} 29 \\ 4,806,068 \\ \hline \end{array}$ | $\begin{array}{r} 28 \\ 4,647,799 \\ \hline \end{array}$ | $\begin{array}{r} 32 \\ 5,342,329 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ 505,534 \end{array}$ |  |  | $\begin{array}{r} 137 \\ \mathbf{2 2 , 7 1 8 , 7 3 0} \\ \hline \end{array}$ |
| $63 \begin{array}{ll}\text { Number } \\ \text { Salary }\end{array}$ | $\begin{array}{r} 2 \\ 330,000 \end{array}$ | $\begin{array}{r} 11 \\ 1,815,000 \end{array}$ | $\begin{array}{r} 20 \\ 3,310,534 \\ \hline \end{array}$ | $\begin{array}{r} 11 \\ 1,836,068 \end{array}$ | $\begin{array}{r} 15 \\ 2,498,996 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ 501,731 \end{array}$ |  |  | $\begin{array}{r} 62 \\ 10,292,329 \end{array}$ |
| $\begin{array}{cl} \hline \mathbf{6 6} \text { and } & \text { Number } \\ \text { over } & \text { Salary } \end{array}$ |  | $\begin{array}{r} 3 \\ 495,000 \end{array}$ | $\begin{array}{r} 11 \\ 1,815,000 \end{array}$ | $\begin{array}{r} 12 \\ 2,001,068 \end{array}$ | 6 992,023 | 9 $1,537,790$ | 3 536,550 |  | 44 $\mathbf{7 , 3 7 7 , 4 3 1}$ |
| TOTAL Number Salary | $\begin{array}{r} 72 \\ 11,880,000 \\ \hline \hline \end{array}$ | $\begin{array}{r} 103 \\ 17,035,277 \\ \hline \end{array}$ | $\begin{array}{r} 110 \\ 18,243,634 \\ \hline \end{array}$ | $\begin{array}{r} 70 \\ 11,669,087 \\ \hline \end{array}$ | $\begin{array}{r} \hline 59 \\ 9,836,810 \\ \hline \hline \end{array}$ | $\begin{array}{r} 15 \\ 2,545,055 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ 536,550 \end{array}$ |  | $\begin{array}{r} \hline 432 \\ 71,746,413 \\ \hline \hline \end{array}$ |

TABLE 3

## THE NUMBER AND ANNUAL COMPENSATION OF ACTIVE MEMBERS DISTRIBUTED BY AGE AS OF JUNE 30, 2010

|  | MEN |  |  | WOMEN |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AGE | NUMBER |  | AMOUNT | NUMBER |  | AMOUNT |
| 37 | 1 | \$ | 165,000 |  |  |  |
| 40 |  |  |  | 2 | \$ | 330,000 |
| 41 | 1 |  | 165,000 |  |  |  |
| 42 | 4 |  | 660,000 | 1 |  | 165,000 |
| 43 | 1 |  | 165,000 | 1 |  | 165,000 |
| 44 | 2 |  | 330,000 | 1 |  | 165,000 |
| 45 |  |  |  | 1 |  | 165,000 |
| 46 | 5 |  | 825,000 | 2 |  | 330,000 |
| 47 | 1 |  | 165,000 |  |  |  |
| 48 | 4 |  | 660,000 | 4 |  | 660,000 |
| 49 | 2 |  | 330,000 | 8 |  | 1,320,000 |
| 50 | 13 |  | 2,172,795 | 4 |  | 660,000 |
| 51 | 8 |  | 1,320,000 | 4 |  | 660,000 |
| 52 | 12 |  | 1,990,534 | 6 |  | 990,000 |
| 53 | 9 |  | 1,485,000 | 1 |  | 165,000 |
| 54 | 9 |  | 1,495,534 | 6 |  | 990,000 |
| 55 | 11 |  | 1,815,000 | 8 |  | 1,330,534 |
| 56 | 14 |  | 2,310,000 | 8 |  | 1,343,695 |
| 57 | 15 |  | 2,506,016 | 9 |  | 1,512,799 |
| 58 | 19 |  | 3,166,016 | 8 |  | 1,341,068 |
| 59 | 18 |  | 2,987,265 | 2 |  | 330,000 |
| 60 | 19 |  | 3,161,530 | 9 |  | 1,485,000 |
| 61 | 18 |  | 2,970,000 | 10 |  | 1,677,799 |
| 62 | 27 |  | 4,455,000 | 5 |  | 825,000 |
| 63 | 25 |  | 4,152,799 | 4 |  | 670,534 |
| 64 | 12 |  | 1,980,000 | 2 |  | 347,265 |
| 65 | 22 |  | 3,636,731 | 4 |  | 670,534 |
| 66 | 14 |  | 2,320,534 | 2 |  | 330,000 |
| 67 | 9 |  | 1,516,722 | 1 |  | 165,000 |
| 68 | 9 |  | 1,516,602 | 2 |  | 361,016 |
| 69 | 12 |  | 2,001,068 | 1 |  | 167,023 |
| TOTAL | 316 | \$ | 52,424,146 | 116 | \$ | 19,322,267 |

Of the 432 active members included in the June 30, 2010 valuation data, 191 are vested and 241 have not yet completed the vesting service requirement.

TABLE 4

THE NUMBER AND ANNUAL COMPENSATION OF ACTIVE MEMBERS DISTRIBUTED BY SERVICE AS OF JUNE 30, 2010

| $\begin{gathered} \text { YEARS } \\ \text { OF } \end{gathered}$ | MEN |  |  | WOMEN |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SERVICE | NUMBER | AMOUNT |  | NUMBER | AMOUNT |  |
| 0 | 11 | \$ | 1,815,000 | 5 | \$ | 825,000 |
| 1 | 24 |  | 3,960,000 | 12 |  | 1,980,000 |
| 2 | 12 |  | 1,980,000 | 8 |  | 1,320,000 |
| 3 | 20 |  | 3,327,795 | 6 |  | 990,000 |
| 4 | 13 |  | 2,145,000 | 1 |  | 165,000 |
| 5 | 17 |  | 2,805,000 | 7 |  | 1,155,000 |
| 6 | 16 |  | 2,660,482 | 3 |  | 495,000 |
| 7 | 13 |  | 2,137,000 | 7 |  | 1,155,000 |
| 8 | 24 |  | 3,980,482 | 8 |  | 1,320,000 |
| 9 | 21 |  | 3,475,534 | 6 |  | 1,000,534 |
| 10 | 13 |  | 2,145,000 | 6 |  | 1,010,482 |
| 11 | 13 |  | 2,145,000 | 3 |  | 495,000 |
| 12 | 12 |  | 2,001,068 | 4 |  | 670,534 |
| 13 | 11 |  | 1,825,534 | 11 |  | 1,846,602 |
| 14 | 5 |  | 835,534 | 1 |  | 165,000 |
| 15 | 19 |  | 3,145,534 | 4 |  | 646,534 |
| 16 | 1 |  | 165,000 | 1 |  | 185,482 |
| 17 | 11 |  | 1,842,799 | 6 |  | 1,011,068 |
| 18 | 14 |  | 2,310,000 | 3 |  | 501,731 |
| 19 | 18 |  | 2,987,265 | 4 |  | 673,462 |
| 20 | 4 |  | 677,265 | 1 |  | 165,000 |
| 21 | 8 |  | 1,326,731 | 5 |  | 854,822 |
| 22 | 1 |  | 165,000 | 1 |  | 175,534 |
| 23 | 3 |  | 512,265 |  |  |  |
| 24 | 3 |  | 505,534 | 1 |  | 165,000 |
| 25 | 1 |  | 175,534 |  |  |  |
| 26 | 4 |  | 670,534 |  |  |  |
| 27 | 2 |  | 351,188 | 1 |  | 165,000 |
| 28 |  |  |  |  |  |  |
| 29 | 2 |  | 351,068 |  |  |  |
| 32 |  |  |  | 1 |  | 185,482 |
| TOTAL | 316 | \$ | 52,424,146 | 116 | \$ | 19,322,267 |

Of the 432 active members included in the June 30, 2010 valuation data, 191 are vested and 241 have not yet completed the vesting service requirement.

TABLE 5

AVERAGE AGE AND ANNUAL BENEFIT AT RETIREMENT


| All Retirees | All Retirements (excluding Survivors) |  |
| :---: | :---: | :---: |
|  | Average Age At Retirement | Average Annual Benefit At Retirement |
|  | 65.7 | \$ 88,836 |

Note: The Average Annual Benefit at Retirement does not reflect COLA's granted after retirement.

* Calculated as of Member's Date of Retirement

TABLE 6
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF RETIRED MEMBERS DISTRIBUTED

BY AGE AS OF JUNE 30, 2010

SERVICE RETIREMENTS

|  | MEN |  |  | WOMEN |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AGE | NUMBER |  | AMOUNT | NUMBER |  | OUNT |
| 59 |  |  |  | 1 | \$ | 50,829 |
| 61 | 1 | \$ | 83,646 | 3 |  | 325,916 |
| 62 | 2 |  | 223,988 | 2 |  | 106,687 |
| 63 | 2 |  | 135,494 |  |  |  |
| 64 | 5 |  | 437,090 | 1 |  | 116,726 |
| 65 | 8 |  | 838,343 | 2 |  | 247,500 |
| 66 | 9 |  | 917,189 | 1 |  | 123,750 |
| 67 | 11 |  | 1,156,848 | 3 |  | 323,115 |
| 68 | 15 |  | 1,757,339 | 2 |  | 192,581 |
| 69 | 15 |  | 1,517,044 | 1 |  | 116,726 |
| 70 | 16 |  | 1,618,090 | 2 |  | 233,472 |
| 71 | 18 |  | 1,734,760 | 1 |  | 74,584 |
| 72 | 10 |  | 1,138,877 | 5 |  | 448,276 |
| 73 | 20 |  | 1,963,271 |  |  |  |
| 74 | 19 |  | 1,799,578 | 3 |  | 292,685 |
| 75 | 12 |  | 1,144,151 | 2 |  | 218,925 |
| 76 | 21 |  | 1,915,707 | 1 |  | 125,167 |
| 77 | 12 |  | 1,104,667 |  |  |  |
| 78 | 15 |  | 1,403,584 |  |  |  |
| 79 | 10 |  | 993,322 | 3 |  | 250,548 |
| 80 | 13 |  | 1,342,042 |  |  |  |
| 81 | 11 |  | 1,091,940 | 1 |  | 103,272 |
| 82 | 6 |  | 554,176 | 2 |  | 198,692 |
| 83 | 8 |  | 811,750 |  |  |  |
| 84 | 8 |  | 701,320 |  |  |  |
| 85 | 4 |  | 383,571 |  |  |  |
| 86 | 16 |  | 1,405,090 |  |  |  |
| 87 | 6 |  | 560,488 |  |  |  |
| 88 | 2 |  | 196,393 | 1 |  | 100,178 |
| 89 | 3 |  | 238,639 | 1 |  | 90,843 |
| 90 | 4 |  | 322,542 |  |  |  |
| 91 | 1 |  | 90,843 |  |  |  |
| 92 | 2 |  | 151,600 |  |  |  |
| 94 | 1 |  | 36,494 |  |  |  |
| 95 | 2 |  | 161,026 |  |  |  |
| 99 | 1 |  | 83,362 |  |  |  |
| 100 | 2 |  | 137,955 |  |  |  |
| TOTAL | 311 | \$ | 30,152,220 | 38 | \$ | 3,740,471 |

TABLE 7
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF RETIRED MEMBERS DISTRIBUTED

BY AGE AS OF JUNE 30, 2010
DISABILITY RETIREMENTS

|  | MEN |  |  | WOMEN |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AGE | NUMBER | AMOUNT | NUMBER | AMOUNT |  |  |
| 54 |  |  |  | 1 | $\$$ | 114,327 |
| 60 | 1 | $\$$ | 123,750 | 1 |  | 123,750 |
| 62 |  |  | 111,746 |  |  |  |
| 67 | 1 | 91,179 | 115,660 |  |  |  |
| 70 | 1 | 93,971 |  |  |  |  |
| 79 | 1 |  |  | 236,306 |  |  |
| 90 | 1 | $\$$ |  |  |  | 238,077 |

TABLE 8
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES DISTRIBUTED

BY AGE AS OF JUNE 30, 2010
ACTIVE MEMBERS' DEATH BENEFITS

|  | MEN |  |  | WOMEN |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AGE | NUMBER |  | AMOUNT | NUMBER |  | AMOUNT |
| 68 |  |  |  | 1 | \$ | 39,283 |
| 71 | 1 | \$ | 34,424 | 1 |  | 27,572 |
| 73 |  |  |  | 3 |  | 98,108 |
| 74 |  |  |  | 2 |  | 68,928 |
| 75 |  |  |  | 1 |  | 33,392 |
| 76 |  |  |  | 2 |  | 66,532 |
| 77 |  |  |  | 2 |  | 65,601 |
| 79 |  |  |  | 2 |  | 60,914 |
| 81 |  |  |  | 2 |  | 64,969 |
| 86 |  |  |  | 1 |  | 27,572 |
| 90 |  |  |  | 1 |  | 29,335 |
| TOTAL | 1 | \$ | 34,424 | 18 | \$ | 582,207 |

TABLE 9
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF BENEFICIARIES DISTRIBUTED

BY AGE AS OF JUNE 30, 2010
RETIRED MEMBERS' DEATH BENEFITS


TABLE 10
THE NUMBER AND ANNUAL RETIREMENT ALLOWANCES OF RETIRED MEMBERS DISTRIBUTED

BY AGE AS OF JUNE 30, 2010
DEFERRED TERMINATED VESTEDS

|  | MEN |  |  | WOMEN |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AGE | NUMBER | AMOUNT | NUMBER | AMOUNT |  |  |
| 49 |  |  |  | 1 | $\$$ | 44,885 |
| 57 | 1 | $\$$ | 27,555 |  |  |  |
| 65 | 1 |  | 21,250 |  |  |  |
| TOTAL | 2 | $\$$ | 48,805 | 1 | $\$$ | 44,885 |


[^0]:    JC:hn
    R:\BausINJJSPECIALSI2011 Work\June Work\June 20 - Proposed Legislation\JRSUJRS 2010 Valuation Report.doc

[^1]:    * Assets include a fiscal year 2011 receivable contribution of $\$ 0$ instead of the $\$ 34,653,737$ contribution recommended for the July 1, 2009 valuation (potential effect of the Appropriation Act for fiscal year 2011). This amount may be subject to change per the requirements of the State's fiscal year 2011 spending plan.
    ** The recommended contribution could be subject to reduction in accordance with the provisions of the Appropriation Act for fiscal year 2011.
    $\varnothing$ Chapter 1, P.L. 2010 allows the State to make a contribution for fiscal year 2012 equal to $1 / 7^{\text {th }}$ of the recommended contribution. The contribution could be subject to change per the requirements of the State's fiscal year 2012 spending plan.

[^2]:    * The fiscal year 2011 recommended contribution of $\$ 34,653,737$ has been reduced to $\$ 0$ to reflect the potential impact of the Appropriation Act for fiscal year 2011. This amount may be subject to change per the requirements of the State's fiscal year 2011 spending plan.
    ** Excludes assets held in the Non-Contributory Group Insurance Fund.

[^3]:    * The fiscal year 2010 recommended contribution of $\$ 28,857,945$ has been reduced to $\$ 0$ to reflect the final provisions of the Appropriation Act for fiscal year 2010.
    ** The fiscal year 2011 recommended contribution of $\$ 34,653,737$ has been reduced to $\$ 0$ to reflect the potential impact of the Appropriation Act for fiscal year 2011. This amount may be subject to change per the requirements of the State's fiscal year 2011 spending plan.
    \# Excludes assets held in the Non-Contributory Group Insurance Fund.

[^4]:    * Amortization is level dollar.
    ** Amortization is level percent of pay.
    ${ }^{\varnothing}$ Only reflects pre-Chapter 78, P.L. 2011 member contributions of $3 \%$ of salary. Based on discussions with the Division of Pensions and Benefits, the increase in member contributions due to Chapter 78, P.L. 2011 shall not reduce the State's normal cost contribution.

[^5]:    * The recommended contribution of $\$ 39,311,572$ has been reduced to $\$ 6,437,938$ for fiscal year 2012 in accordance with Chapter 1, P.L. 2010. This amount may be subject to change per the requirements of the State's fiscal year 2012 spending plan. Included in the Expected Employer Contribution for fiscal year 2012 is $100 \%$ of the Non-Contributory Group Insurance Premium of \$959,000.
    ** The June 30, 2011 Net Pension Obligation amount has been revised from the amount shown in the prior year's report to reflect the adjustment to the fiscal year 2010 employer contribution and fiscal year 2011 receivable employer contribution.

