

Delaware State Judiciary Pension Plan

**Actuarial Valuation
as of June 30, 2015**

Produced by Cheiron

January 2016

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January 26, 2016

Board of Pension Trustees
State of Delaware
McArdle Building
860 Silver Lake Boulevard, Suite 1
Dover, Delaware 19904

Dear Members of the Board:

At your request, we have conducted our annual actuarial valuation of the Delaware State Judiciary Pension Plan (Plan) as of June 30, 2015. The results of this valuation are contained in this report. The purpose of the valuation is discussed in the Foreword.

This report contains information on plan assets and liabilities, as well as analyses combining asset and liability performance and projections. It also discloses State contribution levels and required disclosures under the Governmental Accounting Standards Board (GASB) Statement No. 67.


In completing the valuation and preparing our report, we relied on information, some oral and some written, supplied by staff of the Office of Pensions. This information includes, but is not limited to, the plan provisions, employee data, and financial information. We performed an informal examination of the obvious characteristics of the data for reasonableness and consistency in accordance with Actuarial Standard of Practice No. 23.

The contribution results of this report are only applicable to the State contribution for Fiscal Year (FY) 2017 and rely on future Plan experience conforming to the underlying assumptions. To the extent that actual Plan experience deviates from the underlying assumptions, the results would vary accordingly.


To the best of our knowledge, this report and its contents have been prepared in accordance with generally recognized and accepted actuarial principles and practices that are consistent with the Code of Professional Conduct and applicable Actuarial Standards of Practice set out by the Actuarial Standards Board. Furthermore, as credentialed actuaries, we meet the Qualification Standards of the American Academy of Actuaries to render the opinions contained in this report. This report does not address any contractual or legal issues. We are not attorneys, and our firm does not provide any legal services or advice.

This report was prepared for the Delaware State Judiciary Pension Plan for the purpose described herein and for the use by the Plan auditor in completing an audit related to the matters herein. Other users of this valuation report are not intended users as defined in the Actuarial Standards of Practice, and Cheiron assumes no duty or liability to any other user.

Sincerely,
Cheiron



Fiona E. Liston, FSA
Principal Consulting Actuary



Elizabeth Wiley, FSA, EA
Consulting Actuary

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

FOREWORD

Cheiron has performed the annual actuarial valuation of the Delaware State Judiciary Pension Plan (Plan) as of June 30, 2015. The purpose of this report is to:

- 1) **Measure and disclose**, as of the valuation date, the financial condition of the Plan;
- 2) **Indicate trends** in the financial condition of the Plan;
- 3) **Determine the contribution rate** to be paid by the State for Fiscal Year (FY) 2017; and
- 4) **Provide** accounting statement information.

An actuarial valuation establishes and analyzes plan assets and liabilities on a consistent basis and traces the progress of both from one year to the next. It includes measurement of the plan's investment performance as well as an analysis of liability gains and losses.

Section I presents a summary containing our findings and disclosing important trends experienced by the Plan in recent years.

Section II contains details on various asset measures, together with pertinent performance measurements.

Section III shows similar information on liabilities, measured for actuarial, accounting, and governmental reporting purposes.

Section IV presents the FY 2017 actuarially determined State contribution.

Section V includes required disclosures under Governmental Accounting Standards Board (GASB) Statement No. 67 and items recommended by the Government Finance Officers Association (GFOA).

The appendices to this report contain a summary of the Plan's membership at the valuation date, a summary of the major provisions of the Plan, and a summary of the actuarial methods and assumptions used in the valuation.

The actuarial assumptions reflect our understanding of the likely future experience of the Plan, and the assumptions individually and as a whole represent our best estimate for the future experience of the Plan. The results of this report rely on future plan experience conforming to the underlying assumptions and methods outlined in this report. To the extent that the actual plan experience deviates from the underlying assumptions and methods, or there are any changes in plan provisions, the true cost of the Plan would vary from our results.

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION I – BOARD SUMMARY

General Comments

The actuarially determined contribution (ADC) rate increased from 21.51% for FY 2016 to 22.13% for FY 2017.

During the year ended June 30, 2015, the Plan's assets earned 3.6% on a market value basis. However, due to the Plan's asset smoothing method, which recognizes only a portion of investment gains and losses, the return on an actuarial value basis was 7.4%. This return was greater than the assumed investment rate of return of 7.2% for last year, resulting in an actuarial gain on investments of \$0.1 million.

The Plan experienced an actuarial gain on plan liabilities resulting from salary increases different from those assumed and members retiring, terminating, becoming disabled, and dying at rates different from the actuarial assumptions. This liability gain decreased the actuarial liability by \$0.5 million (0.6% of the total actuarial liability). This type of relatively small gain or loss is normal in the course of plan experience, as we cannot predict exactly how people will behave.

The liability increased by \$0.3 million due to a Post-Retirement Increase. Please see Appendix C for a more complete description of these changes.

This valuation report also contains information to be reported in the June 30, 2015 Comprehensive Annual Financial Report (CAFR) of the Delaware Public Employees' Retirement System (Delaware PERS) under GASB Statement No. 67 as well as additional disclosure information recommended by the Government Finance Officers Association (GFOA). The GASB disclosures are based on the use of updated procedures to roll forward the 2014 actuarial valuation liability results. The calculation of net pension liability in Section V is shown as disclosed for the plan year ending June 30, 2015, based on the 2014 actuarial valuation liability results. We also present a projection of the June 30, 2016 disclosure in Section V, assuming all actuarial assumptions are met over the coming year, which is based on the 2015 actuarial valuation liability results.

As of the June 30, 2015 actuarial valuation, the Plan reported a net surplus of \$0.5 million. This is a decrease from the \$0.3 million unfunded actuarial liability (UAL) in the funding valuation for the prior year.

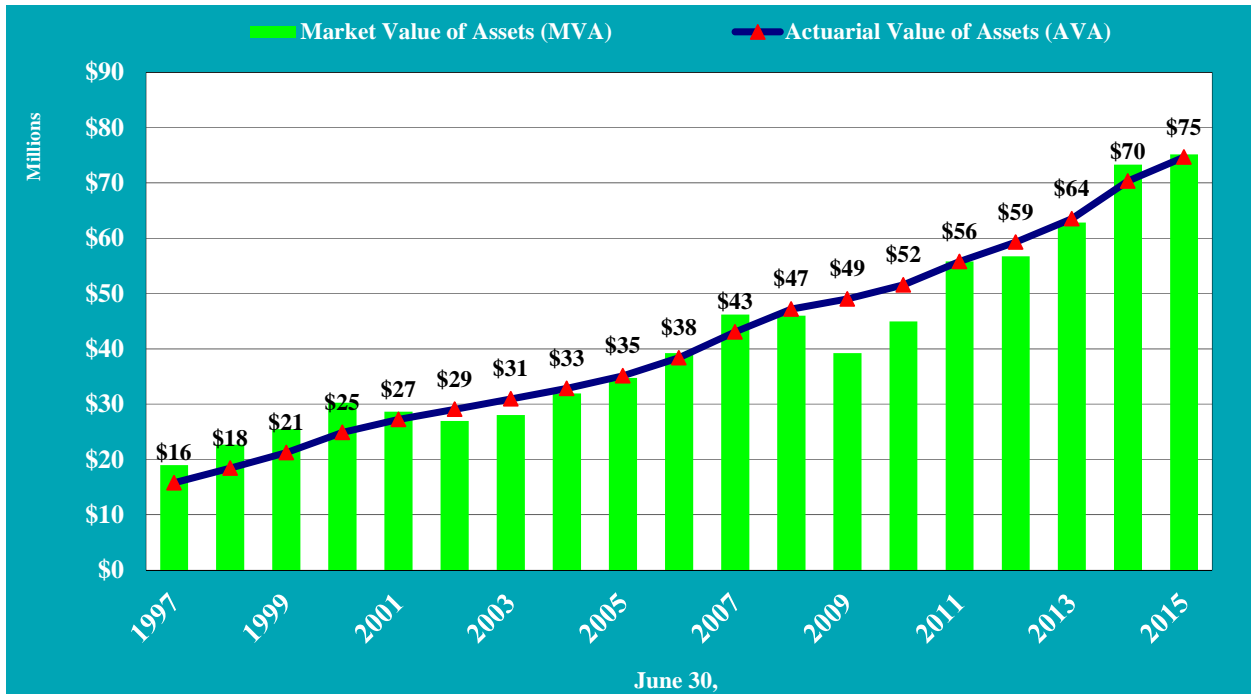
DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015

SECTION I – BOARD SUMMARY

Trends

Growth in Assets

The graph below shows measurements of the Plan’s assets over the last 19 years based on both market values and actuarial values. The green bars represent the market value measurements, while the blue line shows the actuarial value measurements. The black numbers are the actuarial value of assets as of the valuation date for each year, in millions of dollars.



The market value of assets (MVA) returned 3.6% over the last year. The determination of the Plan’s actuarial value of assets (AVA) for the current year reflects a portion of the return above the 7.2% assumed for the year, and continued recognition of prior years’ gains and losses.

Over the period of July 1, 1997 to June 30, 2015, the Plan’s assets returned approximately 8.6% per year measured at actuarial value basis, compared to the current valuation assumption of 7.2%.

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

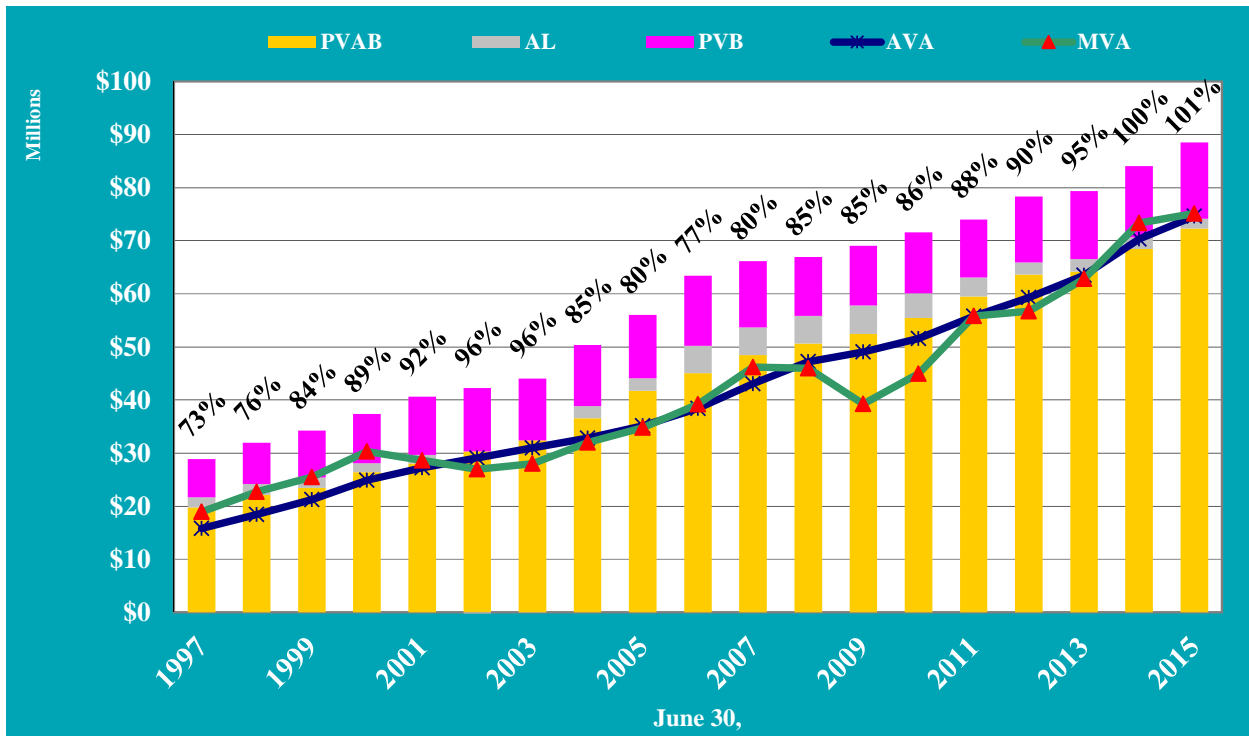
SECTION I – BOARD SUMMARY

Assets and Liabilities

The three colored bars below represent the three different measures of liability discussed in this report. The first measure is given by the yellow bars, the present value of accrued benefits (PVAB). The PVAB values represent the value of all benefits earned by current members through the valuation date. These values do not reflect any future additional service or salary increases for current members.

The second liability measure is the one currently used for the Plan’s funding target, the actuarial liability (AL). These target amounts are represented by the top of the gray bars. The funded ratios reported by the Plan are the percentages shown above the bars and are developed by comparing these target measurements of liability to the actuarial value of assets at each valuation date. This measurement is also the basis of the liability measure used in GASB 67.

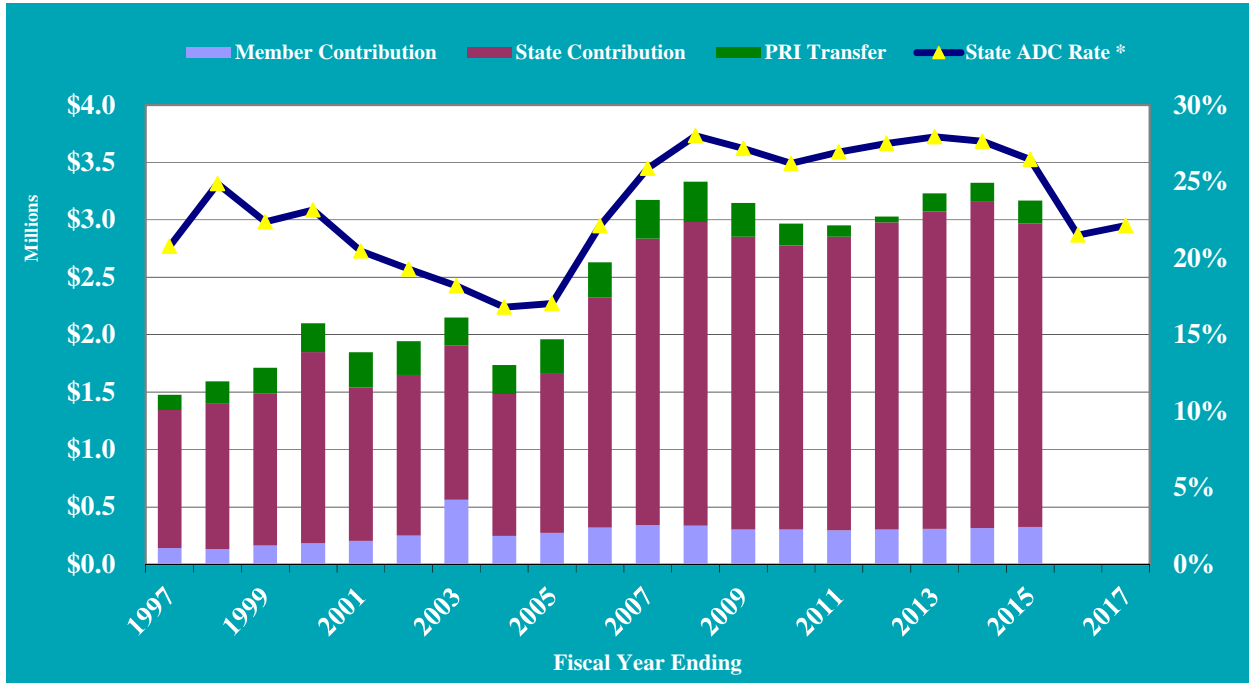
The amount represented by the top of the pink bars, the present value of future benefits (PVB), is the amount needed to provide all benefits for the current members and their beneficiaries, including reflection of assumed future service and pay increases. If the Plan had assets equal to the PVB as of a certain date, no additional contributions would, in theory, be needed for the current members if all assumptions were exactly met from that point forward.



**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION I – BOARD SUMMARY

Contribution Rates



* Formerly known as Actuarially Required Contribution (ARC), GASB No. 67/68 redefined the term for calculated contributions to Actuarially Determined Contribution (ADC).

The stacked bars in the graph above show the contributions made by the State, the Post-Retirement Increase Fund (PRI), and the members for each fiscal year, and are read using the left-hand scale. The blue line shows the State ADC rate as a percentage of payroll (right-hand scale).

The member contribution rate is set by State law, based on the Plan in which the member participates. The State contribution rate is set by the actuarial process, while the PRI transfer amounts depend on the increases granted by the State legislature. Please note that there is a lag in the State contribution rate shown. For example, the value shown for the Fiscal Year 2015 is the rate prepared by the June 30, 2013 valuation and implemented for the period July 1, 2014 to June 30, 2015.

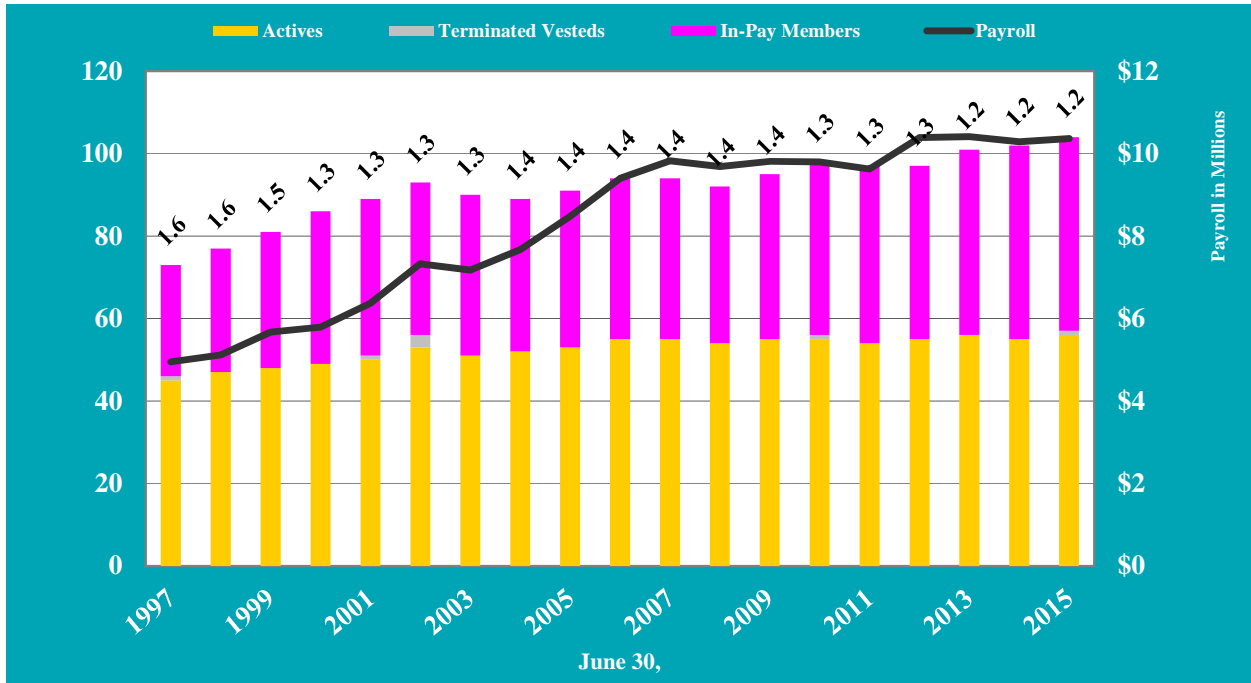
**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION I – BOARD SUMMARY

Participant Trends

The bars below show the number of members as of each valuation date, divided between active members, terminated vested members, and retirees/beneficiaries. These bars should be read using the left-hand scale. As with most maturing funds, this Plan continues to show growth in the number of inactive members. The numbers that appear above each bar represent the ratio of active members to inactive members (retirees, beneficiaries, and terminated vested members) at each valuation date. The active-to-inactive ratio has decreased from 1.6 actives to each inactive in 1997 to 1.2 actives for each inactive today.

The black line shows the covered payroll for the Plan as of each valuation date and is read using the right-hand scale.

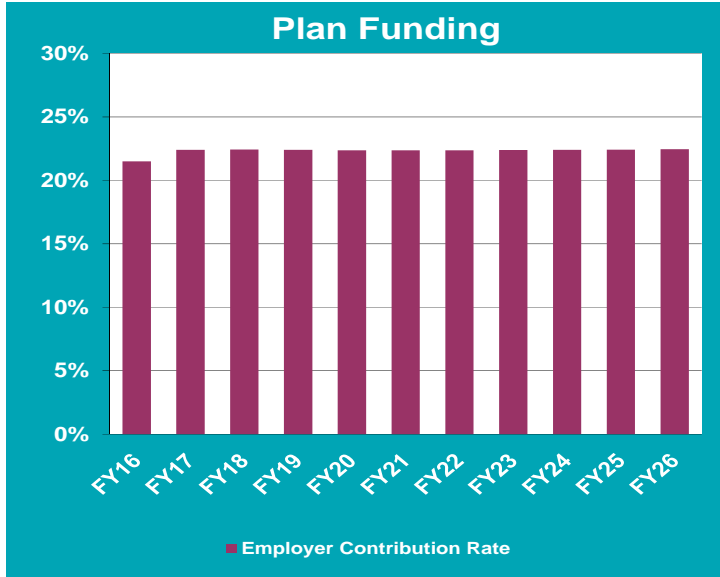


**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION I – BOARD SUMMARY

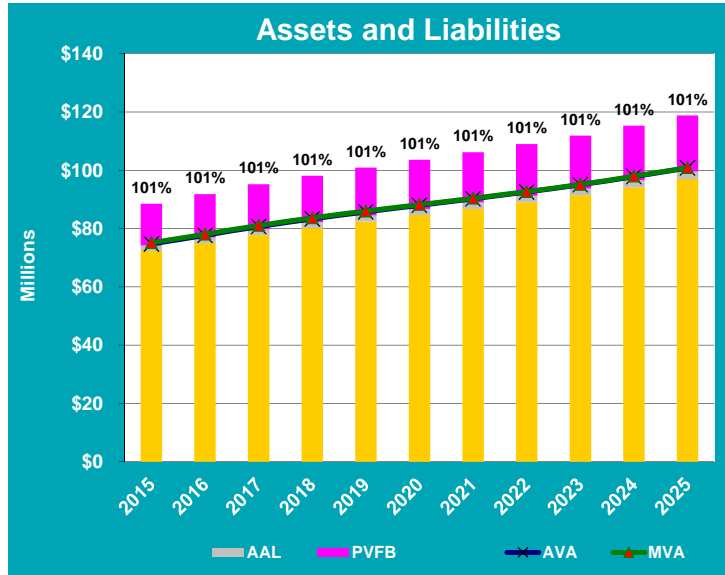
Future Outlook

Baseline Projections



These graphs show the expected progress of the Plan over the next ten years assuming the Plan’s assets earn 7.2% on a *market value* basis and assuming all assumptions are exactly met, including that the ADC amounts are made in full. The chart entitled “Plan Funding” shows a slight increase in the State ADC rate over time to 22.5%, absent further gains or losses.

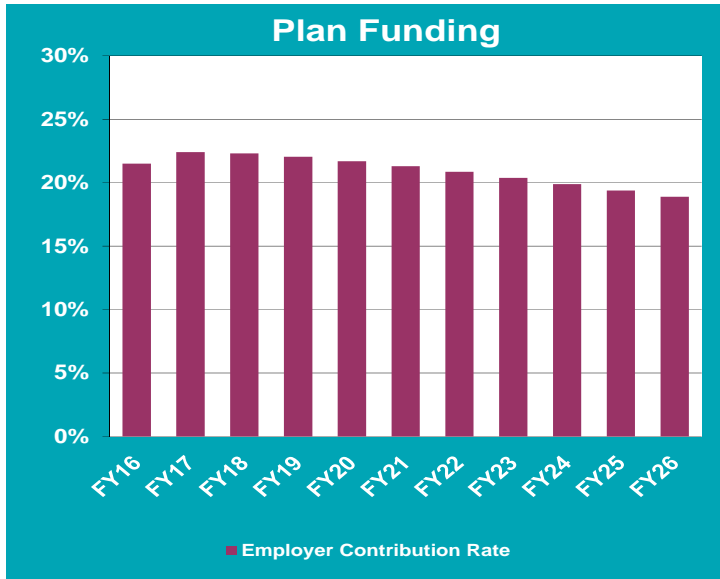
The “Assets and Liabilities” graph shows the projected funded ratios of the Plan over the next ten years. The Plan’s funded status is projected to remain at 101% over the projection period, assuming all assumptions are exactly met.



**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION I – BOARD SUMMARY

Projections with Asset Returns of 8.2%

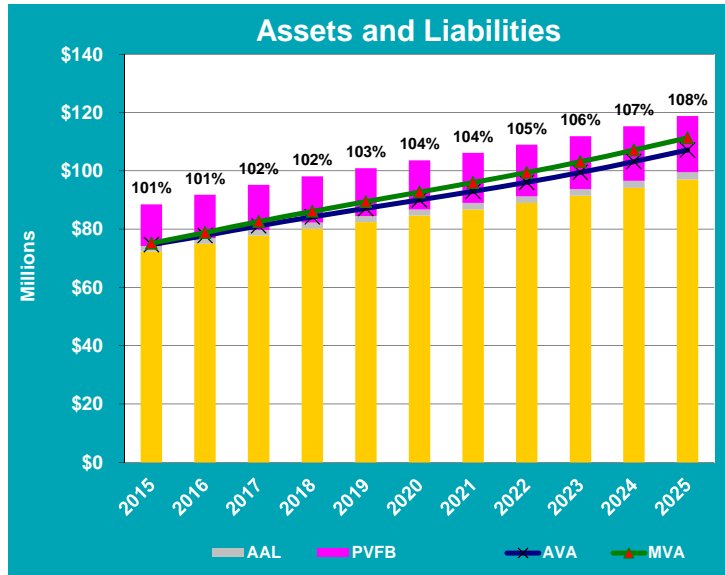


The Plan’s investment earnings will affect the future funding status of the Plan. These two graphs show what the next ten years would be expected to look like if the Plan’s investment performance is 8.2% each year, 1.0% higher than the valuation investment rate of return assumption.

These two graphs assume all other assumptions are exactly met, including State contributions equal to the full actuarially determined amounts.

The “Plan Funding” graph shows that the State ADC rate under this scenario decreases compared to the baseline scenario, dropping to approximately 18.9% of payroll at the end of the projected period.

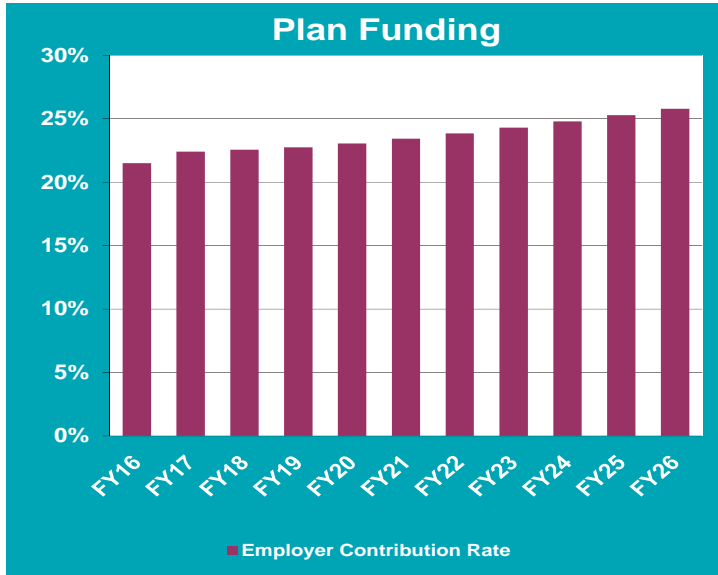
The “Assets and Liabilities” graph shows that the Plan would reach a 108% funded ratio by 2025 under this scenario, an improvement over the baseline scenario’s 101%.



**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION I – BOARD SUMMARY

Projections with Asset Returns of 6.2%

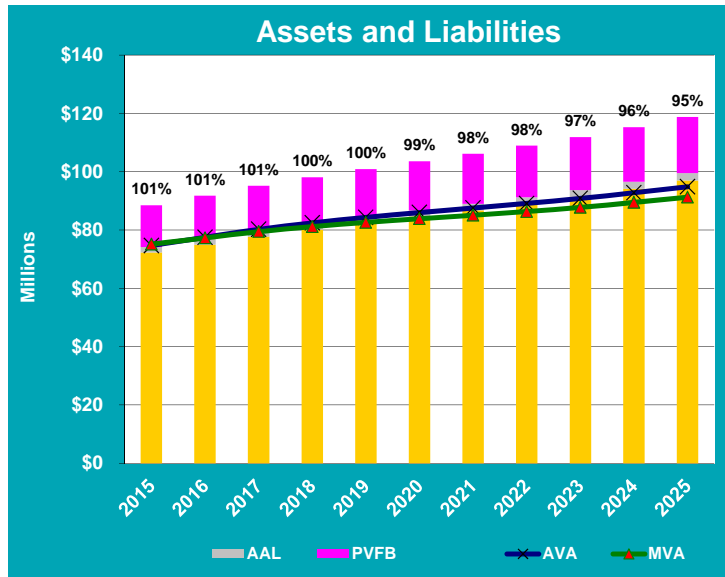


The graphs on this page show projections of the Plan’s funding status assuming the Plan’s investment performance is 6.2% each year of the projection, 1.0% lower than the valuation investment rate of return assumption. While the current remaining unrecognized gains would cushion the new annual losses for a period, eventually the new losses would result in the funded ratio dropping and the required contributions increasing compared to the baseline scenario. This effect demonstrates the importance of investment earnings on the Plan’s

future funding needs.

Note that these projections assume all other assumptions are exactly met, including payment of State contributions equal to the full actuarially determined contribution.

Under this scenario, the State’s ADC gradually increases to approximately 25.8% of payroll for the final year of the projection, compared to 22.5% in the baseline scenario. The funded ratio as of 2025 under this scenario decreases to 95%, compared to 101% in the baseline scenario.



**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION I – BOARD SUMMARY

**Table I-1
Summary of Principal Plan Results**

Valuation as of:	June 30, 2014	June 30, 2015	% Change
<u>Member Counts</u>			
Active Members	55	56	1.82%
Disabled Members	2	2	0.00%
Retirees and Beneficiaries	45	45	0.00%
Terminated Vested Members	0	1	N/A
Terminated Non-Vested Members	0	0	N/A
Total	102	104	1.96%
Covered Payroll of Active Members*	\$ 10,290,200	\$ 10,370,300	0.78%
Annual Benefit Payments for Retirees, Disabled Members, and Beneficiaries	\$ 3,797,500	\$ 4,076,700	7.35%
<u>Assets and Liabilities</u>			
Actuarial Liability (AL)	\$ 70,606,600	\$ 74,147,800	5.02%
Actuarial Value of Assets (AVA)	70,334,500	74,658,800	6.15%
Unfunded AL (UAL)	\$ 272,100	\$ (511,000)	(287.80%)
Funded Ratio on AVA Basis (AVA/AL)	99.6%	100.7%	
Funded Ratio on MVA Basis (MVA/AL)	103.9%	101.4%	
Present Value of Accrued Benefits (PVAB)	\$ 68,433,400	\$ 72,297,900	5.65%
Market Value of Assets (MVA)	73,325,000	75,150,600	2.49%
Unfunded PVAB	\$ (4,891,600)	\$ (2,852,700)	41.68%
Accrued Benefit Funded Ratio	107.1%	103.9%	
<u>State Contribution Rate</u>			
	Fiscal Year 2016	Fiscal Year 2017	
Entry Age Normal Cost	21.54%	22.93%	
UAL Amortization Payment	(0.13%)	(0.90%)	
Administrative Expense	0.10%	0.10%	
Actuarially Determined Contribution (ADC)	21.51%	22.13%	

* Assumes one year of payroll increase projection, so represents payroll beginning on each valuation date.

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION II – ASSETS

Pension plan assets play a key role in the financial operation of the plan and in the decisions that the Trustees may make with respect to future deployment of those assets. The level of assets, the allocation of assets among asset classes, and the methodology used to measure assets will likely affect benefit levels, State actuarially determined contributions, and the ultimate security of members' benefits.

In this section, we present detailed information on the Plan's assets including:

- **Disclosure** of the Plan's assets at June 30, 2014 and June 30, 2015;
- Statement of the **changes** in market values during the year;
- Development of the **actuarial value of assets**;
- An assessment of **investment performance**; and
- A projection of the Plan's expected **cash flows** for the next ten years.

Market Value of Assets Disclosure

The market values of assets represent “snap-shot or cash-out” values that provide the principal basis for measuring financial performance from one year to the next. However, market values can fluctuate widely with swings in the marketplace, and as such, are usually not suitable for budgeting and long-range planning.

Table II-1 below shows the market values as of June 30, 2014 and June 30, 2015, along with the changes between the two.

Table II-1 Changes in Market Value of Assets		
Market Value of Assets – June 30, 2014		\$ 73,325,000
<u>Additions</u>		
Member Contributions	\$ 326,700	
State Contributions	2,640,700	
PRI Transfers	199,800	
Investment Returns	<u>2,658,400</u>	
Total Additions	\$ 5,825,600	
<u>Deductions</u>		
Benefit Payments	\$ 3,985,100	
Administrative Expenses	<u>14,900</u>	
Total Deductions	\$ 4,000,000	
Market Value of Assets – June 30, 2015		\$ 75,150,600

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION II – ASSETS

Actuarial Value of Assets

The actuarial value of assets represents a “smoothed” value developed by the actuary to reduce, or eliminate, erratic results that could develop from short-term fluctuations in the market value of assets. The actuarial value for this plan equals the expected actuarial value of assets, developed from the immediately prior valuation, plus 20% of the difference between the actual market value of assets and that expected actuarial value of assets at the valuation date. The table below illustrates the calculation of the actuarial value of assets as of June 30, 2015.

Table II-2 Development of Actuarial Value of Assets		
1.	Actuarial Value of Assets at June 30, 2014	\$ 70,334,500
2.	Amount in (1) with interest to June 30, 2015 at 7.20% per year	\$ 75,398,600
3.	State, PRI and member contributions for the Plan Year ended June 30, 2015	3,167,200
4.	Interest on contributions assuming payments made uniformly throughout the year to June 30, 2015 at 7.20% per year	114,000
5.	Disbursements from Trust except investment expenses, July 1, 2014 through June 30, 2015	4,000,000
6.	Interest on disbursements to June 30, 2015 at 7.20% per year	<u>144,000</u>
7.	Expected Actuarial Value of Assets at June 30, 2015 = (2) + (3) + (4) – (5) – (6)	\$ 74,535,800
8.	Actual Market Value of Assets at June 30, 2015	<u>\$ 75,150,600</u>
9.	Excess of (8) over (7)	<u>614,800</u>
10.	Actuarial Value of Assets at June 30, 2015 = (7) + 20% of (9)	\$ 74,658,800

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION II – ASSETS

Investment Performance

The market value of assets (MVA) returned 3.6% during 2015, which is less than the assumed 7.2% investment rate of return. The actuarial value of assets (AVA) returned 7.4% over this same year, reflecting the standard asset smoothing method being utilized by the Plan for the measurement of the actuarial value of assets. Since only 20% of the gain or loss from the performance of the Plan is recognized in a given year, in periods of very good performance, the AVA can lag significantly behind the MVA, and in a period of negative returns, the AVA does not decline as rapidly as the MVA.

Projection of Cash Flows

Table II-3 Cash Flow Projections		
Year Beginning July 1,	Expected Benefit Payments	Expected Contributions*
2015	\$ 4,742,000	\$ 2,859,000
2016	5,477,000	2,952,000
2017	6,092,000	2,908,000
2018	6,531,000	2,995,000
2019	6,808,000	3,015,000
2020	7,149,000	3,105,000
2021	7,287,000	3,198,000
2022	7,330,000	3,294,000
2023	7,340,000	3,393,000
2024	7,482,000	3,495,000

* Expected contributions include State contributions, Member contributions, and PRI transfers. For illustration purposes, we have assumed the State contribution rate will remain level and that payroll will increase at the actuarially assumed rate of 3.00% per year.

Expected benefit payments are projected for the closed group valued at June 30, 2015. Projecting any further than ten years using a closed-group would not yield reliable predictions due to the omission of new hires in the benefit payments, compounded by their inclusion in the expected contributions.

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION III – LIABILITIES

In this section, we present detailed information on the Plan’s liabilities including:

- **Disclosure** of the Plan’s liabilities at June 30, 2014 and June 30, 2015; and
- Statement of **changes** in these liabilities during the year.

Disclosure

Three liability measurements are calculated and presented in this report. Each type is distinguished by the purpose, or purposes, for which they are used.

- **Present Value of Benefits (PVB):** Used for analyzing the financial outlook of the plans, this represents the amount of money needed today to fund all future benefits and expenses of the Plan, assuming current members continue to accrue benefits and there are no new entrants, and that all actuarial assumptions are met.
- **Actuarial Liability (AL):** Used for funding calculations and GASB disclosures, this liability is calculated by taking the present value of benefits (PVB) and subtracting the present value of future member contributions (PVFEEC) and the present value of future State normal costs (PVFNC) under an acceptable actuarial funding method. This Plan uses the **Entry Age Normal** funding method.
- **Present Value of Accrued Benefits (PVAB):** Used for communicating the current level of liabilities, this liability represents the total amount of money needed today to fund the current accrued obligations of a plan, assuming no future accruals of benefits. These liabilities are also required for some accounting purposes (Topic No. 960) and are sometimes used as part of assessing whether a plan can meet its current benefit commitments. Note that this also assumes that all actuarial assumptions are met, including the assets earning 7.2% per year.

Note that none of this liability amounts disclosed in this report is appropriate for measuring a settlement of the plan’s liabilities.

The following table discloses each of these liabilities for the current and immediately prior valuations. With respect to each disclosure, a subtraction of an appropriate value of plan assets yields, for each respective type, either a net surplus or an unfunded amount.

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION III – LIABILITIES

**Table III-1
Liabilities and Net (Surplus)/Unfunded Amounts**

	June 30, 2014	June 30, 2015
<u>Present Value of Benefits</u>		
Active Member Benefits	\$ 51,257,300	\$ 52,754,800
Retiree, Beneficiary, Disabled, and Terminated Members Benefits	<u>32,803,200</u>	<u>35,769,700</u>
Present Value of Benefits (PVB)	\$ 84,060,500	\$ 88,524,500
Market Value of Assets (MVA)	\$ 73,325,000	\$ 75,150,600
Future Member Contributions	1,782,100	1,932,400
Future State Contributions & PRI Fund Transfers	<u>8,953,400</u>	<u>11,441,500</u>
Total Resources	\$ 84,060,500	\$ 88,524,500
<u>Actuarial Liability</u>		
Present Value of Benefits (PVB)	\$ 84,060,500	\$ 88,524,500
Present Value of Future State Normal Costs (PVFNC)	11,671,800	12,444,300
Present Value of Future Member Contributions (PVFEEC)	<u>1,782,100</u>	<u>1,932,400</u>
Actuarial Liability (AL=PVB–PVFNC–PVFEEC)	\$ 70,606,600	\$ 74,147,800
Actuarial Value of Assets (AVA)	<u>70,334,500</u>	<u>74,658,800</u>
Net (Surplus)/Unfunded AL (AL – AVA)	\$ 272,100	\$ (511,000)
<u>Present Value of Accrued Benefits</u>		
Present Value of Benefits (PVB)	\$ 84,060,500	\$ 88,524,500
Present Value of Future Benefit Accruals (PVFBA)	<u>15,627,100</u>	<u>16,226,600</u>
Present Value of Accrued Benefits (PVAB=PVB–PVFBA)	\$ 68,433,400	\$ 72,297,900
Market Value of Assets (MVA)	\$ 73,325,000	\$ 75,150,600
 Net (Surplus)/Unfunded PVAB (PVAB – MVA)	 \$ (4,891,600)	 \$ (2,852,700)

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION III – LIABILITIES

Changes in Liabilities

Each of the liabilities disclosed in the prior table are expected to change at each valuation. The components of that change, depending upon which liability is analyzed, can include:

- New entrants since the last valuation
- Benefits accrued since the last valuation
- Plan amendments increasing benefits
- Passage of time which adds interest to the prior liability
- Benefits paid to retirees since the last valuation
- Participants retiring, terminating, or dying at rates different than expected
- A change in actuarial or investment assumptions
- A change in the actuarial funding method

Unfunded liabilities (or surpluses) will change because of all of the above as well as due to changes in plan assets resulting from:

- State contributions different than expected
- Investment earnings different than expected
- A change in the method used to measure Plan assets

In each valuation, we report on those elements of change that are of particular significance, potentially affecting the long-term financial outlook of the Plan. Below we present key changes in liabilities since the last valuation, in thousands.

Table III-2 Liability Changes			
(In Millions)	Present Value of Benefits	Actuarial Liability	Present Value of Accrued Benefits
Liabilities June 30, 2014	\$ 84,061	\$ 70,607	\$ 68,433
Liabilities June 30, 2015	88,525	74,148	72,298
Liability Increase (Decrease)	4,464	3,541	3,865
Change Due to:			
PRI	263	263	263
Actuarial (Gain)/Loss	NC *	(451)	NC *
Benefit Changes	0	0	0
Benefits Accumulated and Other Sources	4,201	3,729	3,602

* NC = not calculated

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION III – LIABILITIES

Table III-3 below provides additional information about the liability measurements for funding purposes as of both the current and the immediately prior valuations.

Table III-3 Actuarial Liabilities for Funding		
	June 30, 2014	June 30, 2015
1. Actuarial Liabilities		
Retiree, Beneficiary, Disabled, and Terminated		
Members Benefits	\$ 32,803,200	\$ 35,769,700
Active Members	<u>37,803,400</u>	<u>38,378,100</u>
Total Actuarial Liability	\$ 70,606,600	\$ 74,147,800
2. Actuarial Value of Assets	\$ 70,334,500	\$ 74,658,800
3. Unfunded Actuarial Liability (UAL)	\$ 272,100	\$ (511,000)
4. Present Value of Outstanding PRI Transfers	\$ 425,600	\$ 526,200
5. Net Base for 15-Year UAL Amortization (3-4)	\$ (153,500)	\$ (1,037,200)

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION IV – CONTRIBUTIONS

In the process of evaluating the financial condition of any pension plan, the actuary analyzes the assets and liabilities to determine what level, if any, of contributions are needed to properly maintain the funding status of the plan. Typically, the actuarial process will use a funding technique that will result in a pattern of contributions that are both fairly stable and predictable.

For this Plan, the funding method employed is the **Entry Age Actuarial** funding method. Under this method, there are three components to the total contribution: the **normal cost contribution**, the **unfunded actuarial liability contribution** (UAL contribution), and the **administrative expense contribution**.

The normal cost contribution rate is determined in the following steps. First, for each active member, an individual normal cost rate is determined by taking the value, as of entry age into the Plan, of that member's projected future benefits and dividing it by the value, also at entry age, of the member's expected future salary. Then, this total normal cost rate is reduced by the member contribution rate to produce the State normal cost rate for each member. The State normal cost rate times payroll for each active member equals the State normal cost. The sum of the State normal cost amounts for all active members is then divided by the covered payroll to produce the State normal cost contribution rate.

The actuarial liability is that portion of the present value of projected benefits that will not be paid by future State normal cost contributions or member contributions. The difference between this liability and the funds accumulated as of the same date is referred to as the unfunded actuarial liability (UAL).

The UAL contribution rate is calculated by amortizing all UAL, after subtracting the present value of scheduled PRI transfers, over an open 15-year period. All payments are determined assuming total pay increases by the annual inflation rate of 3.00%.

The assumed administrative expense rate is 0.10% of payroll. This rate, when applied to payroll, is intended to provide an allowance above the cost of funding the benefits to pay for the expense of operating the Plan.

The table below presents and compares the State contribution rates for the Plan for this valuation and the immediately prior one.

Table IV-1 State Contribution Rate		
	June 30, 2014 Fiscal Year 2016	June 30, 2015 Fiscal Year 2017
Entry Age Normal Cost Rate	21.54%	22.93%
UAL Amortization Payment	(0.13%)	(0.90%)
Administrative Expense	<u>0.10%</u>	<u>0.10%</u>
Actuarially Determined Contribution	21.51%	22.13%

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION IV – CONTRIBUTIONS

Table IV-2 below provides additional detail about the development of the State contribution rate as well as the expected dollar amounts, in which these rates will result, for FY 2017.

Table IV-2 Expected FY 2017 State Contributions		
	In Dollars	As % of Payroll
1. Present Value of Projected Benefits Attributable to:		
a. Total Normal Cost	\$ 2,761,600	26.63%
b. Expected Members Contribution	<u>383,700</u>	<u>3.70%</u>
c. State Paid Normal Cost (a) – (b)	\$ 2,377,900	22.93%
2. Amortization of Unfunded Liability	\$ (93,300)	(0.90%)
3. Allowance for Administrative Expense	<u>10,400</u>	<u>0.10%</u>
4. Total State Actuarially Determined Contribution Rate (1) + (2) + (3)	\$ 2,295,000	22.13%

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION V – ACCOUNTING STATEMENT INFORMATION

ASC Topic No. 960 of the Financial Accounting Standards Board (FASB) requires plans subject to it to disclose certain information regarding its funded status. Statement No. 67 of the Governmental Accounting Standards Board (GASB) establishes standards for disclosure of pension information by public employee retirement systems (PERS) and governmental employers in notes to financial statements and supplementary information.

Disclosures based on FASB ASC Topic No. 960 provide a quasi “snap shot” view of how the Plan’s assets compare to its liabilities if contributions stopped and accrued benefit claims had to be satisfied. However, due to potential legal requirements and the possibility that alternative interest rates would have to be used to determine the liabilities, these values may not be a good indication of the amount of money it would take to buy the benefits for all members if the Plan were to terminate.

FASB ASC Topic No. 960 specifies that a comparison of the present value of accrued (accumulated) benefits with the market value of the assets as of the valuation date must be provided. The relevant amounts as of June 30, 2014 and June 30, 2015 are exhibited in Table V-1, which also includes a reconciliation of liabilities determined as of the prior valuation, July 1, 2014, to the liabilities as of June 30, 2015.

This valuation contains information reported in the June 30, 2015 Comprehensive Annual Financial Report (CAFR) of Delaware PERS under GASB Statement No. 67. Disclosures are based on the use of updated procedures to roll forward the 2014 valuation results. The calculation of Net Pension Liability in Table V-2 shows the amounts disclosed for the plan year June 30, 2015, based on the 2014 liability valuation, as well as a projection of the anticipated June 30, 2016 disclosures, based on 2015 liability valuations, assuming all actuarial assumptions are met over the coming year.

Tables V-3 through V-5 are exhibits to be used for the State’s CAFR. Table V-3 is the Note to Required Supplementary Information, Table V-4 is a history of gains and losses in accrued liability, and Table V-5 is the Solvency Test, which shows the portion of accrued liability covered by assets. The Government Finance Officers Association (GFOA) has named this exhibit the Solvency Test. None of the liabilities or assets shown are appropriate for settlement purposes. Furthermore, the Solvency Test does not accurately depict a Plan’s future financial condition but rather is a test developed by the GFOA to assess the level of funding that relies on the payroll for future hires to pay for the benefits that have already been accrued by the current population. This valuation does not contain any information reported based on the new GASB Statement No. 68 that will be effective for the State beginning with its Fiscal Year 2015 CAFR.

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION V – ACCOUNTING STATEMENT INFORMATION

**Table V-1
Accounting Statement Disclosure and
Reconciliation of Present Value of Accrued Benefits**

	June 30, 2014	June 30, 2015
FASB ASC Topic No. 960 Basis		
1. Present Value of Accrued Benefits		
a. Members Currently Receiving Payments	\$ 32,803,200	\$ 35,261,600
b. Former Vested Members	0	508,100
c. Active Members	<u>35,630,200</u>	<u>36,528,200</u>
2. Total Present Value of Accrued Benefits (1 (a) + 1(b) + 1(c))	\$ 68,433,400	\$ 72,297,900
3. Assets at Market Value	<u>73,325,000</u>	<u>75,150,600</u>
4. Unfunded Present Value of Accrued Benefits (2 – 3)	\$ (4,891,600)	\$ (2,852,700)
5. Ratio of Assets to Present Value of Benefits (3 / 2)	107.1%	103.9%
Reconciliation of Present Value of Accrued Benefits		
Actuarial Present Value of Accrued Benefits at June 30, 2014		\$ 68,433,400
Increase (Decrease) During Year Attributable to:		
Passage of Time		4,783,700
Benefits Paid – FY 2015		(3,985,100)
Benefit Changes		0
PRI		263,400
Benefits Accrued, Other Gains/Losses		<u>2,802,500</u>
Net Increase (Decrease)		3,864,500
Actuarial Present Value of Accrued Benefits at June 30, 2015		\$ 72,297,900

DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015

SECTION V – ACCOUNTING STATEMENT INFORMATION

Table V-2
GASB No. 67 Disclosures

	June 30, 2015	Estimated June 30, 2016
<u>Total Pension Liability</u>		
Service cost	\$ 2,568,000	\$ 2,762,000
Interest	5,147,000	5,369,000
Changes in benefit terms	263,000	0
Differences between expected and actual experience	(1,362,000)	(451,000)
Changes in assumptions	0	0
Benefit payments, including refunds of member contributions	(3,985,000)	(4,742,000)
Net change in Total Pension Liability	\$ 2,631,000	\$ 2,938,000
Total Pension Liability - beginning	\$ 71,968,000	\$ 74,599,000
Total Pension Liability - ending (a)	\$ 74,599,000	\$ 77,537,000
<u>Plan Fiduciary Net Position</u>		
Contributions - Employer	\$ 2,641,000	\$ 2,231,000
Contributions - Non-employer	200,000	244,000
Contributions - Member	326,000	384,000
Net investment income	2,658,000	5,344,000
Benefit payments, including refunds of member contributions	(3,985,000)	(4,742,000)
Administrative expenses	(15,000)	(10,000)
Net change in Plan Fiduciary Net Position	\$ 1,825,000	\$ 3,451,000
Plan Fiduciary Net Position - beginning	\$ 73,325,000	\$ 75,150,000
Plan Fiduciary Net Position - ending (b)	\$ 75,150,000	\$ 78,601,000
Plan Net Pension Liability (Asset) - ending [(a)-(b)]	\$ (551,000)	\$ (1,064,000)

Items printed in red will be replaced with actual amounts once known at the end of FY 2016.

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION V – ACCOUNTING STATEMENT INFORMATION

**Table V-3
Note to Required Supplementary Information**

The information presented in the required supplementary schedules was determined as part of the actuarial valuation at the date indicated. Additional information as of the latest actuarial valuation follows:

Valuation date	July 1, 2015
Actuarial cost method	Entry age
Amortization method	Percentage of pay - open
Remaining amortization period	15 years
Asset valuation method	5-Year smoothed market
Actuarial assumptions:	
Investment rate of return*	7.2%
Projected salary increases*	3.5%-12.3%
Cost-of-living adjustments	ad hoc
*Includes inflation at	3.00%

The actuarial assumptions used have been recommended by the actuary and adopted by the Plan’s Board of Trustees based on the most recent review of the Plan’s experience completed in 2011. The Board of Trustees further modified the investment rate of return and inflation assumptions for the 2014 Plan Year.

The rate of State contributions to the Plan is composed of the normal cost, amortization of the unfunded actuarial liability and an allowance for administrative expenses. The normal cost is a level percent of payroll cost that, along with member contributions, will pay for projected benefits at retirement for each active member. The actuarial liability is that portion of the present value of projected benefits that will not be paid by future State normal costs or member contributions. The difference between this liability and the funds accumulated as of the same date is the unfunded actuarial liability. The allowance for administrative expenses is based upon the Plan’s actual administrative expenses.

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

SECTION V – ACCOUNTING STATEMENT INFORMATION

**Table V-4
Analysis of Financial Experience**

**Gain and Loss in Accrued Liability During Years Ended June 30
Resulting from Differences Between Assumed Experience and Actual Experience**

Type of Activity	<i>Gain (or Loss) for Year ending June 30, (expressed in thousands)</i>					
	2010	2011	2012	2013	2014	2015
Investment Income on Actuarial Assets	\$ (1,643)	\$ 7	\$ (639)	\$ (172)	\$ 1,068	\$ 123
Combined Liability Experience	<u>1,730</u>	<u>2,169</u>	<u>1,215</u>	<u>2,889</u>	<u>1,361</u>	<u>451</u>
(Loss)/Gain During Year from Financial Experience	87	2,176	576	2,717	2,429	574
Non-Recurring Items	<u>0</u>	<u>(1,083)</u>	<u>(252)</u>	<u>589</u>	<u>(410)</u>	<u>(263)</u>
Composite Gain (or Loss) During Year	\$ 87	\$ 1,093	\$ 324	\$ 3,306	\$ 2,019	\$ 311

**Table V-5
Solvency Test
Aggregate Accrued Liabilities for**

Valuation Date June 30,	(expressed in thousands)				Portion of Accrued Liabilities Covered by Reported Assets		
	Active Member Contributions (1)	Retirees & Beneficiaries (2)	Active Member State Financed Contributions (3)	Actuarial Value of Reported Assets			
2015	\$ 5,804	\$ 35,262	\$ 33,082	\$ 74,659	100%	100%	102%
2014	5,841	32,803	31,963	70,335	100	100	99
2013	5,896	28,458	32,213	63,512	100	100	91
2012	5,986	25,953	34,007	59,279	100	100	80
2011	5,400	26,482	31,208	55,784	100	100	77
2010	5,047	23,928	31,129	51,550	100	100	73

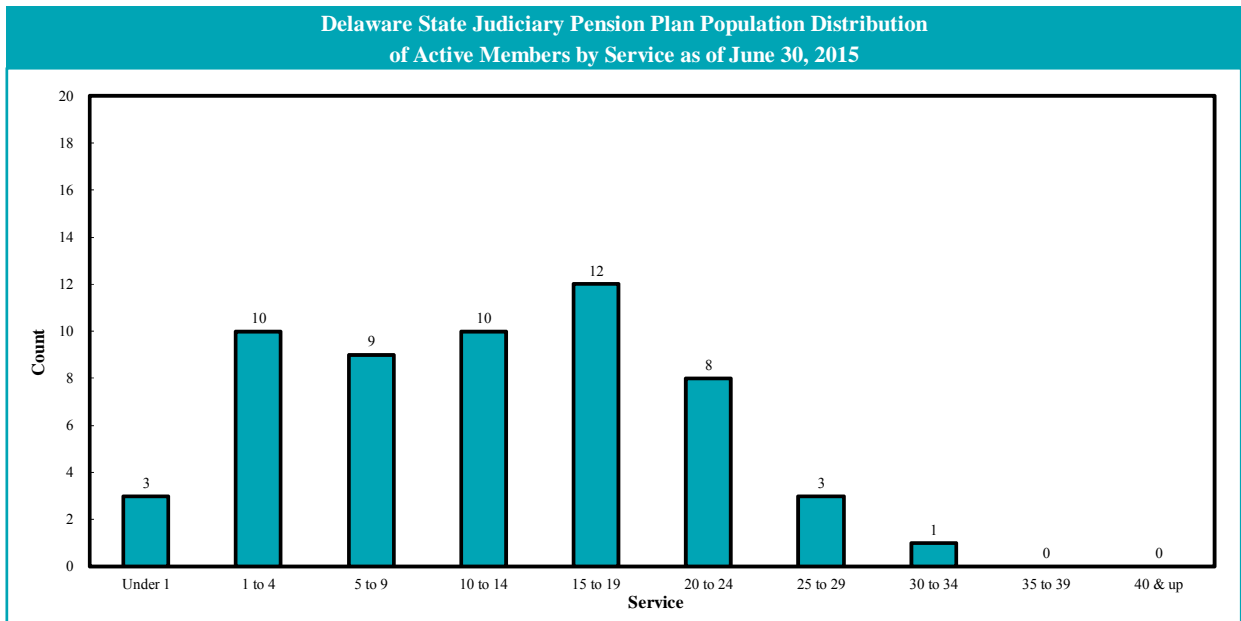
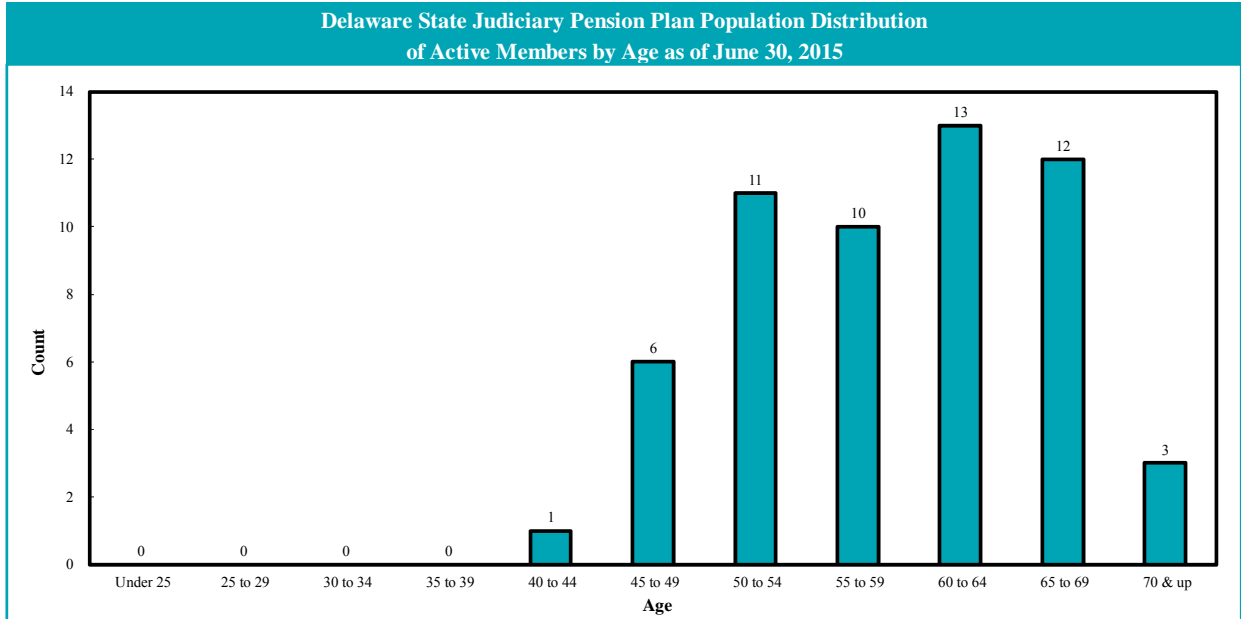
**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

APPENDIX A – MEMBERSHIP INFORMATION

Delaware State Judiciary Pension Plan Population Distribution of Active Members by Age and Service as of June 30, 2015												
Counts By Age/Service												
Age	Service										Total	
	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up		
Under 25	0	0	0	0	0	0	0	0	0	0	0	0
25 to 29	0	0	0	0	0	0	0	0	0	0	0	0
30 to 34	0	0	0	0	0	0	0	0	0	0	0	0
35 to 39	0	0	0	0	0	0	0	0	0	0	0	0
40 to 44	0	1	0	0	0	0	0	0	0	0	0	1
45 to 49	1	2	3	0	0	0	0	0	0	0	0	6
50 to 54	1	4	2	1	2	1	0	0	0	0	0	11
55 to 59	1	1	0	4	3	1	0	0	0	0	0	10
60 to 64	0	2	3	2	2	4	0	0	0	0	0	13
65 to 69	0	0	1	2	4	2	3	0	0	0	0	12
70 & up	0	0	0	1	1	0	0	1	0	0	0	3
Total	3	10	9	10	12	8	3	1	0	0	0	56

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

APPENDIX A – MEMBERSHIP INFORMATION



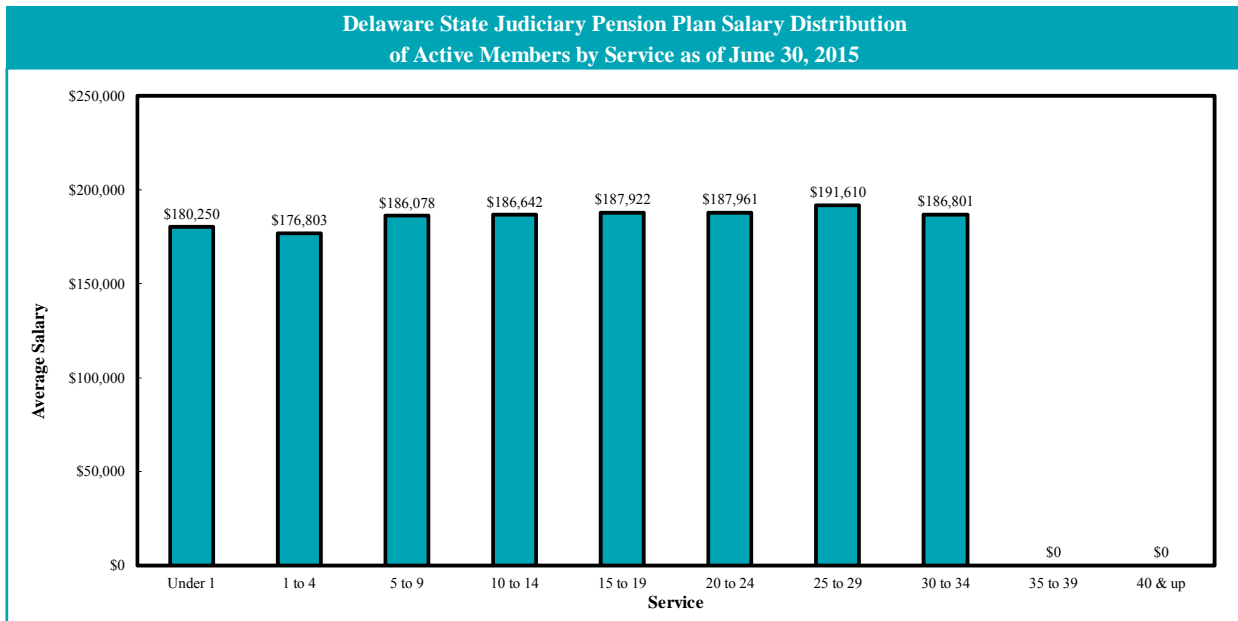
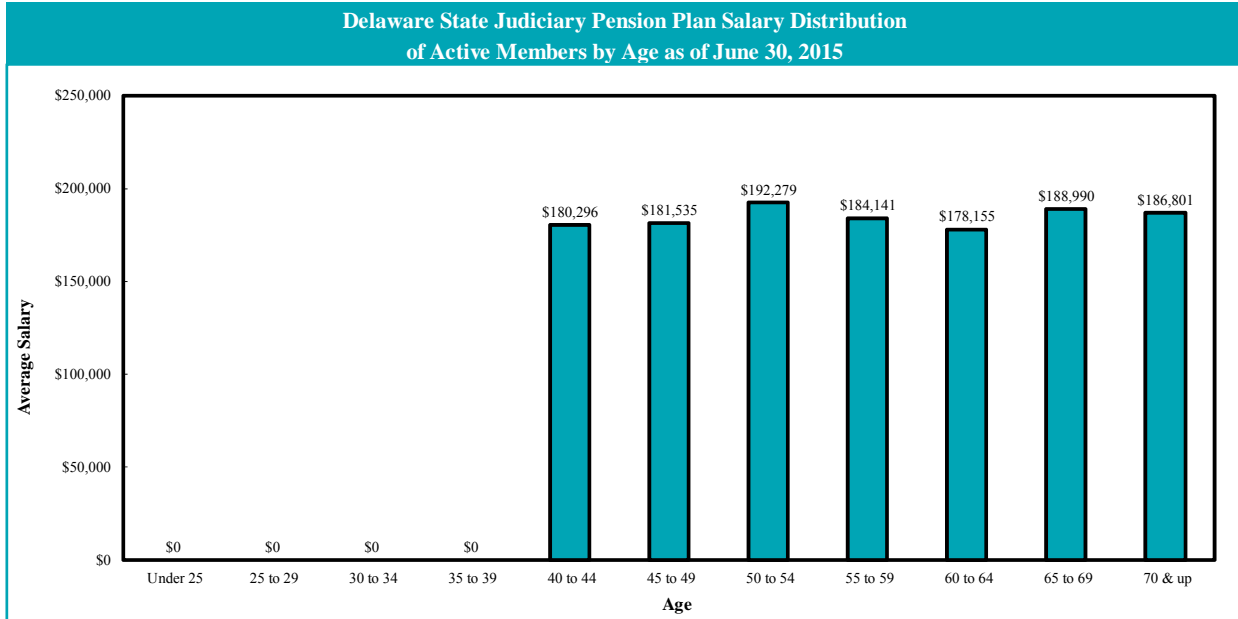
**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

APPENDIX A – MEMBERSHIP INFORMATION

Delaware State Judiciary Pension Plan Salary Distribution of Active Members by Age and Service as of June 30, 2015												
Average Salary by Age/Service												
Age	Service										Total	
	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up		
Under 25	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
25 to 29	0	0	0	0	0	0	0	0	0	0	0	0
30 to 34	0	0	0	0	0	0	0	0	0	0	0	0
35 to 39	0	0	0	0	0	0	0	0	0	0	0	0
40 to 44	0	180,296	0	0	0	0	0	0	0	0	0	180,296
45 to 49	161,708	186,801	184,633	0	0	0	0	0	0	0	0	181,535
50 to 54	205,831	190,622	186,801	191,630	197,359	186,801	0	0	0	0	0	192,279
55 to 59	173,211	186,801	0	185,175	184,633	186,801	0	0	0	0	0	184,141
60 to 64	0	132,422	186,801	186,845	180,296	189,121	0	0	0	0	0	178,155
65 to 69	0	0	186,801	186,801	189,762	186,801	191,610	0	0	0	0	188,990
70 & up	0	0	0	186,801	186,801	0	0	186,801	0	0	0	186,801
Total	\$ 180,250	\$ 176,803	\$ 186,078	\$ 186,642	\$ 187,922	\$ 187,961	\$ 191,610	\$ 186,801	\$ 0	\$ 0	\$ 0	\$ 185,184

**DELAWARE STATE JUDICIARY PENSION PLAN
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APPENDIX A – MEMBERSHIP INFORMATION



**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

APPENDIX A – MEMBERSHIP INFORMATION

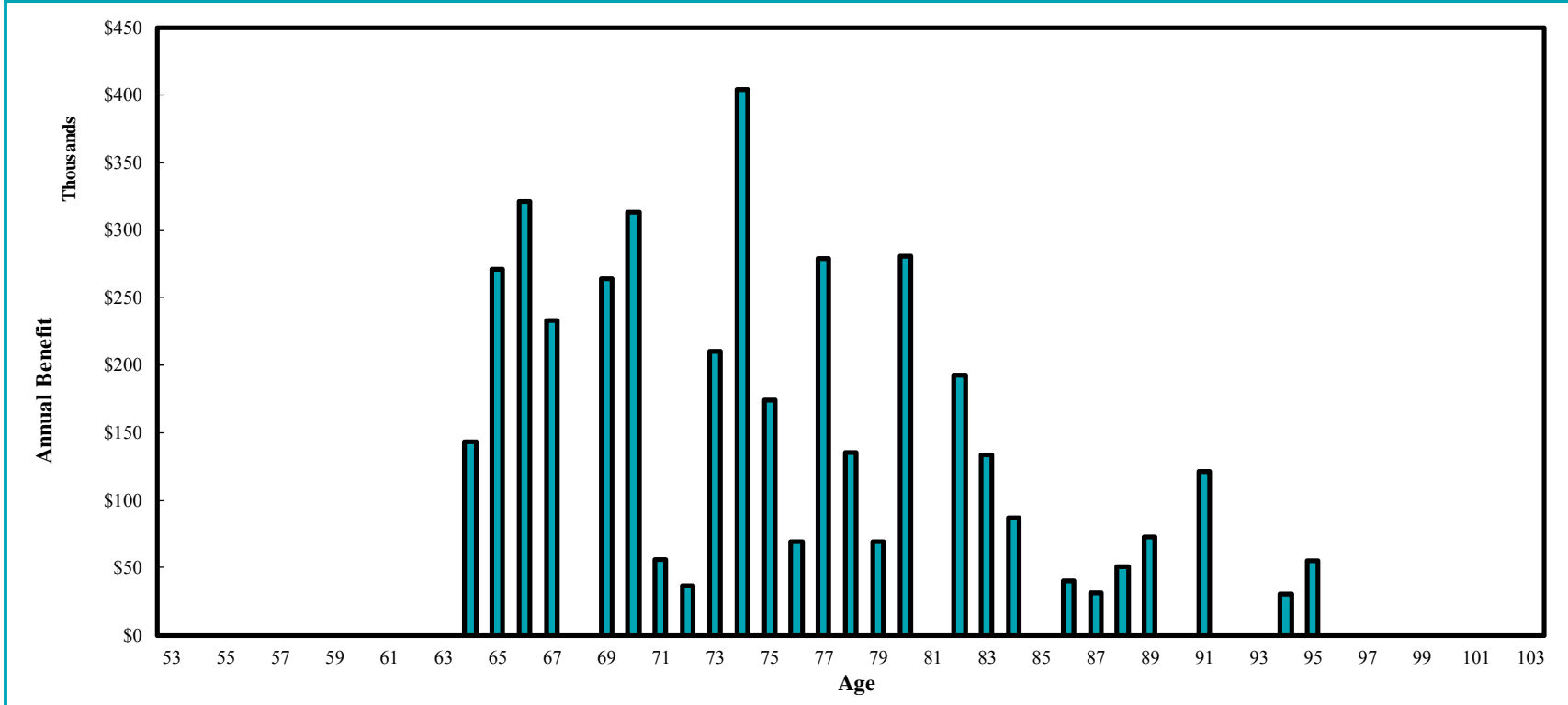
**Delaware State Judiciary Pension Plan Distribution by Age of Retired
Members, Beneficiaries, and Disabled Members as of June 30, 2015**

Age	Count	Annual Benefit	Age	Count	Annual Benefit
<25	0	\$ -	73	2	\$ 210,427
25	0	-	74	3	404,114
26	0	-	75	2	174,454
27	0	-	76	1	69,399
28	0	-	77	4	279,210
29	0	-	78	1	134,969
30	0	-	79	1	69,100
31	0	-	80	4	280,434
32	0	-	81	0	-
33	0	-	82	3	192,573
34	0	-	83	1	133,716
35	0	-	84	1	86,532
36	0	-	85	0	-
37	0	-	86	1	40,508
38	0	-	87	1	31,493
39	0	-	88	1	50,893
40	0	-	89	1	72,414
41	0	-	90	0	-
42	0	-	91	2	121,505
43	0	-	92	0	-
44	0	-	93	0	-
45	0	-	94	1	30,571
46	0	-	95	1	55,169
47	0	-	96	0	-
48	0	-	97	0	-
49	0	-	98	0	-
50	0	-	99	0	-
51	0	-	100	0	-
52	0	-	101	0	-
53	0	-	102	0	-
54	0	-	103	0	-
55	0	-	104	0	-
56	0	-	105	0	-
57	0	-	106	0	-
58	0	-	107	0	-
59	0	-	108	0	-
60	0	-	109	0	-
61	0	-	110	0	-
62	0	-	111	0	-
63	0	-	112	0	-
64	1	143,152	113	0	-
65	2	271,125	114	0	-
66	3	321,524	115	0	-
67	2	233,355	116	0	-
68	0	-	117	0	-
69	3	263,753	118	0	-
70	3	313,504	119	0	-
71	1	56,461	120	0	-
72	1	36,323			
			Totals	47	\$ 4,076,678

DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015

APPENDIX A – MEMBERSHIP INFORMATION

Delaware State Judiciary Pension Plan Distribution by Age of Retired
Members, Beneficiaries, and Disabled Members as of June 30, 2015



**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

A. Long-Term Assumptions Used to Determine Plan Costs and Liabilities

1. Demographic Assumptions

a. Healthy Active and Inactive Mortality

Mortality Improvements Projected to 2015 (Projection Scale AA)

Male: RP-2000 Combined Mortality Table

Female: RP-2000 Combined Mortality Table

Rates of Healthy Active and Inactive Mortality Rates (With Projection Scale AA)		
Age	Male	Female
20	0.03%	0.02%
25	0.03	0.02
30	0.04	0.02
35	0.07	0.04
40	0.10	0.06
45	0.12	0.09
50	0.16	0.13
55	0.27	0.24
60	0.53	0.47
65	1.03	0.90
70	1.77	1.55
75	3.06	2.49
80	5.54	4.13
85	9.97	7.08
90	17.27	12.59

Mortality table was set in conjunction with the 2011 experience study to include a static projection to 2015. The System is embarking on a new experience study in 2016 which will determine whether the margin for future mortality improvements remains and to propose revised tables.

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

b. Disabled Inactive Mortality

2011 PBGC Disabled Mortality Tables, 50% Social Security Disabled / 50% Non-Social Security Disabled.

Rates of Disabled Inactive Mortality		
Age	Male	Female
40	1.97%	1.06%
45	2.22	1.24
50	2.51	1.47
55	2.88	1.79
60	3.33	2.21
65	3.91	2.77
70	4.78	3.38
75	6.39	4.54
80	8.93	6.46

c. Rates of Active Disability

45% of 1946 Railroad Retirement Board Disability Rates

Rates of Active Disability	
Age	Current
20	0.09%
25	0.10
30	0.11
35	0.11
40	0.13
45	0.18
50	0.32
55	0.61
60	1.24

d. Termination of Employment (Prior to Normal Retirement Eligibility)

None assumed.

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

e. Retirement

Normal Retirement: one-year Select & Ultimate (age-based) upon attaining the earliest of:

- i. age 65 with 12 years of credited service for participants hired prior to 7/1/1980
- ii. age 62 with 12 years of credited service for participants hired after 7/1/1980
- iii. 24 years of credited service

Normal Retirement		
Age	Select	Ultimate
< 55	40.00%	0.00%
55-61	40.00	30.00
62-69	50.00	40.00
70 +	100.00	100.00

f. Merit/Seniority Salary Increase (in addition to across-the-board increase)

10-year Select (service-based) & Ultimate (age-based) merit tables plus an annual inflation rate of 3.00% (rates shown below exclude amount for inflation.)

Select	
Service (Years)	Increase
0	9.00%
1-9	0.50

Ultimate	
Age	Increase
All ages	0.50%

g. Family Composition

Female spouses are assumed to be three years younger than males.
80% are assumed married for both male and female employees.
Actual marital characteristics are used for pensioners.

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

2. Economic Assumptions

a. Investment Rate of Return:	7.20%
b. General Wage Increase Rate:	3.00%
c. Annual Cost-of-Living Increase Rate for Retirees:	0.00%
d. Total Payroll Increase Rate (for Amortization):	3.00%
e. Administrative Expenses as a Percentage of Covered Payroll:	0.10%

3. Rationale for Assumptions

The assumptions were adopted by the Board of Trustees as a result of the latest experience study performed in 2011 and covering the period July 1, 2005 through June 30, 2010.

The Board continually reviews the investment return assumption and adopted a reduced rate of 7.20% effective with the 2014 valuation, at the advice of its investment consultant.

4. Changes Since Last Valuation

None

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

APPENDIX B – ACTUARIAL ASSUMPTIONS AND METHODS

B. Actuarial Methods

1. Funding Method

The Entry Age Normal funding method is used to determine costs. Under this funding method, a normal cost rate is determined as a level percent of pay for each active member. The normal cost rate times payroll equals the normal cost for each active member. The normal cost plus member contributions will pay for projected benefits at retirement for each active plan participant.

The actuarial liability is that portion of the present value of projected benefits that will not be paid by future State normal costs or member contributions. The difference between this liability and funds accumulated as of the same date is referred to as the unfunded actuarial liability.

The portion of the actuarial liability in excess of plan assets is amortized to develop an additional cost or savings that is added to each year's employer normal cost. Under this cost method, actuarial gains and losses are directly reflected in the size of the unfunded actuarial liability.

The portion of unfunded liability not expected to be paid through PRI transfers is amortized over a rolling 15-year period. PRI transfers are made to pay for each PRI as granted over a five-year period. These transfers are treated as a receivable for purposes of developing the State rate. All payments are determined assuming total pay increased by the annual inflation rate. Use of a rolling amortization period means that the UAL amount is never anticipated to be fully paid off. This method was chosen to provide for a more level contribution rate over time.

2. Actuarial Value of Assets

For purposes of determining the State Judiciary employer contribution rate to the Plan, we use an actuarial value of assets. This asset smoothing method dampens the volatility in asset values that could occur because of fluctuations in market conditions. Use of an asset smoothing method is consistent with the long-term nature of the actuarial valuation process.

The actuarial value of assets is a weighted average giving 20% weight to the current market value and 80% weight to the prior year's actuarial value increased by expected interest and contributions and decreased by benefit payments and expenses. This is mathematically equivalent to recognizing 100% of the actuarially assumed interest rate, plus contributions, less payments each year, and 20% of the portion of each year's returns that have not already been reflected in asset values.

3. Changes Since Last Valuation and Rationale for Change

None

**DELAWARE STATE JUDICIARY PENSION PLAN
ACTUARIAL VALUATION AS OF JUNE 30, 2015**

APPENDIX C – SUMMARY OF PLAN PROVISIONS

1. Membership

The Plan covers individuals while members of the State Judiciary.

2. Member Contributions

3% of compensation, which exceeds \$6,000 per annum plus an additional 2% of compensation in excess of the Social Security wage base

3. Credited Service

All service as a member.

After accruing 12 years of Judicial service, previous State service may be credited for purposes of retirement eligibility.

4. Final Average Compensation

Final Average Compensation is the average over the highest three consecutive years (or shorter period of service) of compensation paid to the judge.

5. Normal Retirement

Eligibility: (i) age 62 with 12 years of service as a judge, or (ii) any age with 24 years of service, or (iii) involuntarily retired after 22 years of service as a judge.

Benefit: 1/24 of final average compensation for each of the first 12 years of service as a judge plus 1/48 of final average compensation for each of the next 12 years of service as a judge.

6. Disability Benefit

Eligibility: Permanently disabled while active.

Benefit: Normal retirement benefit with the following revisions: For judges appointed after June 30, 1980, a minimum of 12 years of service as a judge and a maximum of 24 years of service as a judge is used in the benefit determination.

**DELAWARE STATE JUDICIARY PENSION PLAN
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APPENDIX C – SUMMARY OF PLAN PROVISIONS

7. Survivor's Benefit

A pension is payable to the surviving spouse of a judge who dies in office regardless of his or her number of years of service at the time of death. A pension is also payable to the surviving spouse of a former judge with a vested right to a pension or a retired judge. If a judge is not survived by a spouse, a pension is payable to surviving eligible dependent children, if any, in equal shares until the youngest unmarried child attains age 18 (or age 22 if attending school or child's death if permanently disabled), as follows:

Eligibility: Death while in office.

Benefit: For eligible survivors of members who die in office: 66 2/3% of the member's accrued pension based on not less than 12 years of service, deferred to age 50, or reduced if paid prior to age 50, with a 3% reduction for form of payment.

8. Vesting

Eligibility: 12 or more years of service as a judge.

Benefit: Normal Retirement based on final average compensation and service at date of termination. In lieu of a pension, a member may receive a refund of accumulated contributions (with interest for judges appointed after June 30, 1980). Upon application for a refund of contributions, a member's vested right to a monthly benefit shall be forfeited.

9. Withdrawal

Eligibility: Terminates service and is not eligible for other benefits.

Benefit: Accumulated employee contributions with interest for judges appointed prior to July 1, 1980. Accumulated employee contributions with interest for judges appointed after June 30, 1980.

10. Form of Payment

The normal form of payment is a 50% joint and survivor annuity.

As an alternative to the normal form, a member may elect one of the following optional forms of payment upon service retirement or disability:

- 67% joint and survivor form with a 2% reduction in benefits;
- 75% joint and survivor form with a 3% reduction in benefits; or
- 100% joint and survivor form with a 6% reduction in benefits.

The 66 2/3% and 100% options are only available for retirement on or after January 1, 2015.

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11. Cost-of-Living Adjustment

Cost-of-Living adjustments are made only on an ad hoc basis.

12. Changes Since Last Valuation

A Post-Retirement Increase (PRI) was granted effective January 1, 2015 to those retired prior to July 1, 2013 in the amount of 1%.