

July 30, 2018

The Retirement Board  
City of Taylor Police and Fire Retirement System  
Taylor, Michigan

Dear Board Members:

*The purpose of the annual actuarial valuation of the City of Taylor Police and Fire Retirement System as of June 30, 2017 is to:*

- Compute the liabilities associated with benefits likely to be paid on behalf of current retired and active members of the Retirement System,
- Compare accrued assets with accrued liabilities to assess the funded condition of the Retirement System, and
- Compute the City's recommended contribution rate for the Fiscal Year beginning July 1, 2018.

This valuation has been conducted in accordance with generally accepted actuarial principles and practices. Data concerning active members, retirees, beneficiaries and assets was provided by your staff. This data has been reviewed for reasonableness, but no attempt has been made to audit such information. The valuation was based on the provisions of the Retirement System as amended through June 30, 2017. The actuarial assumptions used in this valuation represent reasonable expectations of future experience under the System. This valuation has been prepared under the supervision of a Member of the American Academy of Actuaries who meets the qualification standards of the American Academy of Actuaries to render the actuarial opinions contained herein.

Respectfully submitted,



Denise M. Jones



Sandra W. Rodwan, M.A.A.A

***City of Taylor***  
***Police and Fire Retirement System***

*Actuarial Valuation as of June 30, 2017*

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***Section One:***  
***Valuation Summary***



### **Purpose of Valuation**

The purpose of the annual actuarial valuation of the City of Taylor Police and Fire Retirement System as of June 30, 2017 is to:

- ❖ Compute the liabilities associated with benefits likely to be paid on behalf of current retired and active members of the Retirement System,
- ❖ Compare accrued assets with accrued liabilities to assess the funded condition of the Retirement System, and
- ❖ Compute the City's recommended contribution rate for the Fiscal Year beginning July 1, 2018.

### **Liabilities and Funded Condition of Retirement System**

Accrued liabilities of the Retirement System as of June 30, 2017 were computed to be \$185,870,601. The funding value of accrued assets was \$120,061,921. The ratio of the funding value of accrued assets to accrued liabilities was 64.6%.

### **Funding Value of Assets**

A smoothed market value of assets was used for the June 30, 2017 valuation. This method, which spreads the difference between actual and expected investment return over five years, is unchanged from last year's valuation.

### **Computed City's Contribution Rate**

The City's normal cost contribution rate was computed to be 20.41% of active member payroll (28.41% total normal cost less 8.00% member contributions). The unfunded accrued liabilities were amortized over 22 years as a level percent of future payroll. The amortization of the unfunded accrued liabilities was 48.48% of member payroll. The City's total contribution for the FY beginning July 1, 2017 was therefore computed to be 68.89% of member payroll.

### **Retirement System Experience**

Experience for the year ended June 30, 2017 was more favorable than expected. The primary source of the favorable experience was the recognized rate of investment return on the smoothed funding value of assets which was more than assumed (10.5% vs. 7.6%).

**Assumption and Method Changes**

- The mortality table was changed from the RP 2000 table to the RP 2014 mortality table.
- The assumed rate of investment return was changed from 7.6% to 7.25%.
- The amortization of unfunded actuarial accrued liabilities was changed from 25 years open to 22 years closed amortization.

**Benefit Provision Changes**

There were no benefit changes included in this valuation.

**Participant Data**

|                            | <u>06/30/2017</u> | <u>06/30/2016</u> |
|----------------------------|-------------------|-------------------|
| Active Members             | 109               | 107               |
| Active Member Payroll      | \$8,898,318       | \$7,931,705       |
| Retirees and Beneficiaries | 247*              | 245**             |
| Annual Pensions            | \$12,415,294      | \$12,135,296      |
| Inactive Vested Members    | 10                | 11                |
| Estimated Annual Pensions  | \$326,765         | \$379,583         |

\*Including 26 alternate payees receiving benefits totaling \$527,341 pursuant to Eligible Domestic Relations Orders, and 2 DROP participants with annual benefits of \$204,766.

\*\*Including 25 alternate payees receiving benefits totaling \$476,545 pursuant to Eligible Domestic Relations Orders, and 1 DROP participant with an annual benefit of \$94,293.

**Financial Data**

|                         | <u>06/30/2017</u> | <u>06/30/2016</u> |
|-------------------------|-------------------|-------------------|
| Funding Value of Assets | \$120,061,921     | \$114,904,904     |
| Market Value of Assets  | 122,481,034       | 114,382,210       |



***Section Two:***

***Actuarial Calculations –  
Funding***



**Computed Contribution Rates for the Year Beginning July 1, 2018**

The contribution rates shown below are expressed as level percents of active member payroll.

The normal cost can be viewed as the long-term on-going cost of the Retirement System. Unfunded actuarial accrued liability as of June 30, 2017 was amortized as a level percent of payroll over 22 years. The 22 year period was first used for this valuation. The City’s total contribution rate has been computed to be 68.89% of payroll for the fiscal year beginning July 1, 2018.

|                                       | <u><b>Percents of Payroll</b></u> |
|---------------------------------------|-----------------------------------|
| Normal Cost                           |                                   |
| Regular Retirement                    | 25.45%                            |
| Pre-retirement Death                  | 0.27                              |
| Disability                            | 1.22                              |
| Withdrawal                            | <u>1.47</u>                       |
| Total Normal Cost                     | 28.41%                            |
| Member Portion                        | 8.00                              |
| <b>City’s Computed Normal Cost</b>    | <b>20.41%</b>                     |
| Unfunded Actuarial Accrued Liability  | 48.48                             |
| <b>City’s Total Contribution Rate</b> | <b>68.89%</b>                     |
| <b>City’s Dollar Contribution*</b>    | <b>\$6,344,603</b>                |

\*Based on projected payroll.

**Unfunded Actuarial Accrued Liability**

|   | <b>June 30, 2017</b> | <b>June 30, 2016</b> |
|---|----------------------|----------------------|
| <b>Actuarial Accrued Liabilities</b>          | \$185,870,601        | \$171,511,297        |
| <b>Assets Allocated to Funding</b>            | <u>120,061,921</u>   | <u>114,904,904</u>   |
| <b>Unfunded Actuarial Accrued Liabilities</b> | \$65,808,680         | \$56,606,393         |

**Computed City Contributions**

| <b>Valuation Date<br/>June 30</b> | <b>Fiscal Year<br/>Beginning<br/>July 1</b> | <b>Recommended<br/>Dollar<br/>Contributions*</b> | <b>Percent of<br/>Valuation<br/>Payroll</b> |
|-----------------------------------|---|--|---|
| 1995                              | 1996  | \$886,000  | 11.45%                                      |
| 2000#@                            | 2001  | 792,263  | 5.94  |
| 2001@                             | 2002  | 1,258,709  | 12.20                                       |
| 2002@                             | 2003  | 2,000,194  | 16.11                                       |
| 2003#@                            | 2004  | 2,497,495  | 20.32                                       |
| 2004#                             | 2005  | 2,943,025  | 24.94                                       |
| 2005                              | 2006  | 4,023,065  | 29.95                                       |
| 2006+                             | 2007  | 4,820,841  | 34.07                                       |
| 2006@                             | 2007  | 4,977,904  | 35.18                                       |
| 2007                              | 2008  | 5,483,018  | 36.61                                       |
| 2008@                             | 2009  | 5,613,904  | 38.19                                       |
| 2009@                             | 2010  | 5,917,992  | 40.58                                       |
| 2010                              | 2011  | 6,059,600  | 45.04                                       |
| 2011@                             | 2012  | 6,070,834  | 48.85                                       |
| 2012#@                            | 2013  | 5,145,379  | 63.36                                       |
| 2013                              | 2014  | 5,409,465  | 56.03                                       |
| 2014                              | 2015  | 5,588,834  | 55.44                                       |
| 2015                              | 2016  | 5,190,370  | 53.87                                       |
| 2016                              | 2017  | 4,987,980  | 60.76                                       |
| <b>2017@</b>                      | <b>2018</b>                                 | <b>6,344,603</b>                                 | <b>68.89</b>                                |

\*Actual amounts for Fiscal Years beginning before July 1, 2005.

# After changes in benefit provisions.

@ After changes in actuarial assumptions or methods.

**Note:** Results shown throughout this report for years prior to 2004 were prepared by the previous actuarial firm.

**History of Assets and Accrued Liabilities**

| <b>Valuation Date June 30</b> | <b>Valuation Assets</b> | <b>Actuarial Accrued Liabilities</b> | <b>Funded Ratio</b> | <b>Unfunded Actuarial Accrued Liabilities</b> |
|-------------------------------|-------------------------|--------------------------------------|---------------------|---|
| 1990                          | \$46,063,061            | \$43,922,543                         | 104.9%              | \$(2,140,518)                                 |
| 1991                          | 49,737,330              | 47,178,973                           | 105.4               | (2,558,357)                                   |
| 1992                          | 53,556,305              | 50,247,014                           | 106.6               | (3,309,291)                                   |
| 1993                          | 58,155,660              | 56,081,864                           | 103.7               | (2,073,796)                                   |
| 1994                          | 62,741,421              | 59,670,974                           | 105.1               | (3,070,447)                                   |
| 1995                          | 66,738,487              | 64,413,553                           | 103.6               | (2,324,934)                                   |
| 1996@                         | 72,893,834              | 69,575,148                           | 104.8               | (3,318,686)                                   |
| 1997#@                        | 80,642,072              | 77,075,797                           | 104.6               | (3,566,275)                                   |
| 1998#                         | 90,246,507              | 80,253,845                           | 112.5               | (9,992,662)                                   |
| 1999#                         | 100,539,640             | 95,699,572                           | 105.1               | (4,840,068)                                   |
| 2000#@                        | 106,949,853             | 100,490,847                          | 106.4               | (6,459,006)                                   |
| 2001@                         | 109,890,095             | 106,771,235                          | 102.9               | (3,118,860)                                   |
| 2002@                         | 108,014,638             | 110,532,059                          | 97.7                | 2,517,421                                     |
| 2003#@                        | 103,993,810             | 113,029,146                          | 92.0                | 9,035,336                                     |
| 2004#                         | 100,385,111             | 117,089,217                          | 85.7                | 16,704,106                                    |
| 2005                          | 98,951,961              | 123,358,784                          | 80.2                | 24,406,823                                    |
| 2006@                         | 100,038,258             | 132,777,933                          | 75.3                | 32,739,675                                    |
| 2007                          | 105,253,136             | 138,917,506                          | 75.8                | 33,664,370                                    |
| 2008@                         | 107,616,702             | 143,634,491                          | 74.9                | 36,017,789                                    |
| 2009@                         | 106,010,390             | 146,368,393                          | 72.4                | 40,358,003                                    |
| 2010                          | 104,077,490             | 150,774,376                          | 69.0                | 46,696,886                                    |
| 2011@                         | 103,934,745             | 155,333,797                          | 66.9                | 51,399,052                                    |
| 2012#@                        | 99,683,637              | 160,414,696                          | 62.1                | 60,731,059                                    |
| 2013                          | 99,259,779              | 161,043,175*                         | 61.6                | 61,783,396*                                   |
| 2014                          | 105,226,637             | 167,330,715                          | 62.9                | 62,104,078                                    |
| 2015                          | 111,681,871             | 168,842,174                          | 66.1                | 57,160,303                                    |
| 2016                          | 114,904,904             | 171,511,297                          | 67.0                | 56,606,393                                    |
| <b>2017@</b>                  | <b>120,061,921</b>      | <b>185,870,601</b>                   | <b>64.6</b>         | <b>65,808,680</b>                             |

# After changes in benefit provisions.

@ After changes in actuarial assumptions or methods.

\*Does not include additional liability for Case No. 01-72176 settlement.

**Note:** Results shown throughout this report for years prior to 2004 were prepared by the previous actuarial firm.

## Comments

**Comment A:** Experience for the year ended June 30, 2017 was more favorable than assumed based on the long-term assumptions. The primary source of the favorable experience was the recognized rate of investment return on the funding value of assets which was greater than assumed (10.5% vs. 7.6% assumed).

**Comment B:** The annual actuarial valuation includes the following changes in assumptions and method as adopted by the Retirement Board: i) mortality table was changed from the RP 2000 table to the RP 2014 mortality table, ii) assumed rate of investment return was changed from 7.6% to 7.25%, and iii) the amortization of unfunded actuarial accrued liabilities was changed from an open period of 25 years to a closed 22-year period.



*Section Three:*

***Retirement System  
Benefit Provisions***



## Benefit Provision Summary

### *Service Retirement*

#### *Eligibility:*

**Corporal/Patrol hired prior to 10/1/2011 and Fire hired prior to August 1, 2012:** Any age with 20 or more years of service or age 60 regardless of service. Fire post July 31, 2012 hires are covered by a Defined Contribution Plan.

**Corporal/Patrol hired after 9/30/2011:** Age 50 with 25 or more years of service or age 60.

**Police Command:** Any age with 25 or more years of service or age 60 regardless of service. Command officers are eligible to participate in the DROP after 20 years of service.

#### *Annual Benefit:*

##### **Corporal/Patrol hired prior to 10/1/2011:**

Straight life pension equals 2.8% of average final compensation (AFC) times first 25 years of service, maximum of 70% of AFC.

##### **Police Command and Fire hired prior July 1, 2007:**

Straight life pension equals 2.8% of average final compensation (AFC) times first 25 years of service plus 1.0% of AFC times years of service in excess of 25 years to a maximum of 75% of AFC.

##### **Fire hired on or after July 1, 2007 (and before August 1, 2012) and Corporal/Patrol hired after 9/30/2011:**

Straight life pension equals 2.25% of AFC times years of service. Fire AFC will use base wages only and overtime is capped at \$3,000. Corporal/Patrol AFC shall be base wage plus a maximum of 240 hours of paid leave.

#### *Average Final Compensation:*

Highest 3 years out of last 10.

### *Deferred Retirement*

#### *Eligibility:*

10 or more years of service.

#### *Annual Benefit:*

Computed as service retirement but based upon service, AFC and benefit provisions in effect at termination. Benefit begins at date retirement would have occurred had member remained in employment.

***Duty Disability Retirement***

*Eligibility:*

Payable upon the total and permanent disability of a member in the line of duty.

*Annual Benefit:*

To age 55: 50% of AFC.

At age 55: Same as Service Retirement Pension with service credit from date of disability to age 55.

***Non-Duty Disability***

*Eligibility:*

Payable upon the total and permanent disability of a member with 5 or more years of service

*Annual Benefit:*

To Age 55: 1.5% of AFC times years of service.

At Age 55: Same as Service Retirement Pension.

***Duty Death in Service Survivor's Pension***

*Eligibility:*

Payable upon the expiration of a worker's compensation to the survivors of a member who died in the line of duty.

*Annual Benefit:*

Same amount that was paid by worker's compensation.

***Non-Duty Death in Service Survivor's Pension***

*Eligibility:*

Payable to a surviving spouse, if any, upon the death of a member with 10 or more years of service.

*Annual Benefit:*

Fire: Spouse's pension equals 60% of the straight life pension.

All others: Accrued straight life pension actuarially reduced in accordance with an Option I election.

***Death After Retirement Survivor's Pension***

*Eligibility:*

Payable to an eligible surviving spouse, if any, upon the death of a retired member who was receiving a straight life pension which was effective July 1, 1975 or later.

*Annual Benefit:*

Spouse's pension equals 60% of the straight life pension the deceased retiree was receiving.

***Member Contributions***

8% of pay.

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*Section Four:*

***Actuarial Assumptions  
And Methods***



**Actuarial Assumptions**

**Economic Assumptions**

(i) **Interest Rate** 7.25% (net of expenses)

(ii) **Salary Increases**

Across-the-Board 3.5%  
 Merit and Longevity Age-related rates

**Sample Annual Rates of Salary Increase**

| <b>Age</b> | <b>Inflation</b> | <b>Merit and Longevity</b> | <b>Total</b> |
|------------|------------------|----------------------------|--------------|
| 20         | 3.5%             | 3.0%                       | 6.5%         |
| 25         | 3.5%             | 3.0                        | 6.5          |
| 30         | 3.5%             | 2.6                        | 6.1          |
| 35         | 3.5%             | 1.1                        | 4.6          |
| 40         | 3.5%             | 0.2                        | 3.7          |
| 45         | 3.5%             | 0.2                        | 3.7          |
| 50         | 3.5%             | 0.2                        | 3.7          |
| 55         | 3.5%             | 0.1                        | 3.6          |
| 60         | 3.5%             | -                          | 3.5          |

**Demographic Assumptions**

**(i) Mortality**

RP 2014 Combined Healthy Mortality Table

| Sample Ages | Future Life Expectancy (Years) |       |
|-------------|--------------------------------|-------|
|             | Men                            | Women |
| 55          | 28.2                           | 30.7  |
| 60          | 24.1                           | 26.3  |
| 65          | 20.1                           | 22.0  |
| 70          | 16.2                           | 18.0  |
| 75          | 12.7                           | 14.3  |
| 80          | 9.5                            | 10.9  |

Note: The valuation process uses mortality rates at each future age for an individual in order to determine the present value of future benefits. Life expectancy is shown to illustrate the mortality table but is not used in the valuation process.

**(ii) Disability**

| Sample Ages | Percent Becoming Disabled Within Next Year |       |
|-------------|--|-------|
|             | Men  | Women |
| 20          | 0.07%                                      | 0.03% |
| 25          | 0.09                                       | 0.05  |
| 30          | 0.10                                       | 0.07  |
| 35          | 0.14                                       | 0.13  |
| 40          | 0.21                                       | 0.19  |
| 45          | 0.32                                       | 0.28  |
| 50          | 0.52                                       | 0.45  |
| 55          | 0.92                                       | 0.76  |

**(iii) Termination of Employment**

Service related rates for first 5 years of employment. Age related rates after first 5 years of employment

| Sample Ages | Years of Service | Percent Terminating |       |
|-------------|------------------|---------------------|-------|
|             |                  | Police              | Fire  |
| All         | 0                | 10.00%              | 8.00% |
|             | 1                | 8.00                | 6.00  |
|             | 2                | 6.00                | 4.50  |
|             | 3                | 4.00                | 3.00  |
|             | 4                | 3.00                | 2.00  |
| 25          | 5 & Over         | 2.97                | 2.00  |
| 30          |                  | 2.57                | 1.65  |
| 35          |                  | 1.52                | 0.86  |
| 40          |                  | 0.59                | 0.34  |
| 45          |                  | 0.33                | 0.29  |
| 50          |                  | 0.33                | 0.29  |
| 55          |                  | 0.33                | 0.29  |
| 60          |                  | 0.33                | 0.29  |

**(iv) Retirement Rates**

**Active Members Retiring within Year  
Following Attainment of Indicated Retirement Age**

| Years of Service | Percent of Active Members Retiring Within Next Year |                                 |      | Retirement Age | Percent of Active Members Retiring Within Next Year |      |
|------------------|---|---------------------------------|------|----------------|---|------|
|                  | All Other Police                                    | Corp/Patrol Hired after 9/30/11 | Fire |                | Police  | Fire |
| 20               | 70%   |                                 | 30%  | 60             | 100%  | 100% |
| 21               | 20  |                                 | 20   |                |   |      |
| 22               | 20  |                                 | 20   |                |   |      |
| 23               | 20  |                                 | 20   |                |   |      |
| 24               | 20  |                                 | 20   |                |   |      |
| 25               | 100   | 50%                             | 50   |                |   |      |
| 26               |   | 40                              | 50   |                |   |      |
| 27               |   | 40                              | 50   |                |   |      |
| 28               |   | 40                              | 50   |                |   |      |
| 29               |   | 40                              | 50   |                |   |      |
| 30               |   | 90                              | 100  |                |   |      |
| 31               |   | 40                              |      |                |   |      |
| 32               |   | 100                             |      |                |   |      |

Corporal/Patrol hired prior to 10/1/11 and Fire members are eligible for retirement with 20 years of service or after attaining age 60. Police Command are eligible for DROP with 20 years of service. Police Command are eligible for normal retirement with 25 years of service or after attaining age 60. Corporal Patrol hired after 9/30/11 are eligible for retirement at age 50 with 25 years of service or after attaining age 60.

**Lump sum factors:** 17% of active member normal retirement liabilities for Police and 10% of active member normal retirement liabilities for Fire. These loads may need to be revised in the future based on emerging experience.

### **Actuarial Method Used for the Valuation**

**Normal Cost.** Normal cost and the allocation of actuarial present values between service rendered before and after the valuation date were determined using an individual entry-age actuarial cost method having the following characteristics:

- ❖ The annual normal costs for each individual active member, payable from date of hire to date of retirement, are sufficient to accumulate the value of the member's benefit at the time of retirement;
- ❖ Each annual normal cost is a constant percentage of the member's year-by-year projected covered pay.

**Financing of Unfunded Actuarial Accrued Liability.** Unfunded actuarial accrued liability was amortized as a level percent of payroll over a 22 year closed period and added to the computed employer normal cost.

Active member payroll was assumed to increase 3.5% a year for the purpose of determining the level percent of payroll amortization payment.



***Section Five:***  
***Valuation Data***



**Asset Summary**

As of June 30, 2017 the market value of assets was reported to be \$122,481,034. The funding value of assets (smoothed market value) was computed to be \$120,061,921.

**Funding Value of Assets**

|  |               |
|--|---------------|
| A. Funding Value Beginning of Year             | \$114,904,904 |
| B. Market Value End of Year                    | 122,481,034   |
| C. Market Value Beginning of Year              | 114,382,210   |
| D. Non-Investment Net Cash Flow                | (6,599,523)   |
| E. Investment Income                           |               |
| E1. Market Total B-C-D                         | 14,698,347    |
| E2. Amount for Immediate Recognition (7.6%)    | 8,481,991     |
| E3. Amount for Phased-In Recognition E1-E2     | 6,216,356     |
| F. Phased-In Recognition of Investment Income  |               |
| F1. Current Year 0.20 x E3                     | 1,243,271     |
| F2. First Prior Year                           | (1,524,485)   |
| F3. Second Prior Year                          | (156,448)     |
| F4. Third Prior Year                           | 2,332,379     |
| F5. Fourth Prior Year                          | 1,379,833     |
| F6. Total Phased-In Amount                     | 3,274,550     |
| G. Funding Value End of Year A+D+E2+F6         | 120,061,921   |
| H. Difference Between Market and Funding Value | 2,419,113     |
| I. Recognized Rate of Return                   | 10.5%         |
| J. Ratio of Funding Value to Market Value      | 98.0%         |

## Participant Summary

### Retirees and Beneficiaries Included in the Valuation

There were 247 retirees and beneficiaries included in the valuation, with annual pensions totaling \$12,415,294. Included in this total are 26 alternate payees receiving benefits totaling \$527,341, and 2 DROP participants with annual pensions of \$204,766.

There were 4 new age and service retirements with pensions totaling \$307,424, 7 were removed and 5 new alternate payees were added.

### Pensions Being Paid Historical Schedule

| Valuation Date<br>June 30 | No.        | Annual Pensions   | Average Pension | Discounted Value of Pensions |                |
|---------------------------|------------|-------------------|-----------------|------------------------------|----------------|
|                           |            |                   |                 | Total                        | Average        |
| 1995                      | 83         | \$2,844,663       | \$34,273        | \$31,974,175                 | \$385,231      |
| 2000                      | 149        | 6,085,866         | 40,845          | 68,126,791                   | 457,227        |
| 2001                      | 156        | 6,442,233         | 41,296          | 71,745,841                   | 459,909        |
| 2002                      | 163        | 6,707,742         | 41,152          | 74,134,281                   | 454,812        |
| 2003                      | 181        | 7,645,268         | 42,239          | 85,119,435                   | 470,273        |
| 2004                      | 181        | 7,700,045         | 42,542          | 85,195,935                   | 470,696        |
| 2005                      | 184        | 7,881,237         | 42,833          | 86,107,080                   | 467,973        |
| 2006                      | 190        | 8,283,847         | 43,599          | 90,795,403                   | 477,871        |
| 2007                      | 191        | 8,404,642         | 44,003          | 91,369,752                   | 478,376        |
| 2008                      | 195        | 8,605,974         | 44,133          | 92,592,662                   | 474,834        |
| 2009                      | 194        | 8,589,355         | 44,275          | 91,404,656                   | 471,158        |
|                           |            |                   |                 |                              |                |
| 2010                      | 201        | 9,210,058         | 45,821          | 97,973,402                   | 487,430        |
| 2011                      | 201        | 9,424,943         | 46,890          | 99,603,600                   | 495,540        |
| 2012                      | 225        | 10,901,222        | 48,450          | 117,054,252                  | 520,241        |
| 2013                      | 231        | 11,290,211        | 48,875          | 119,785,940                  | 518,554        |
| 2014                      | 234        | 11,461,609        | 48,981          | 120,228,142                  | 513,795        |
| 2015                      | 236        | 11,479,807        | 48,643          | 119,429,588                  | 506,058        |
| 2016                      | 245        | 12,135,296        | 49,532          | 125,194,199                  | 510,997        |
| <b>2017</b>               | <b>247</b> | <b>12,415,294</b> | <b>50,264</b>   | <b>135,345,780</b>           | <b>547,959</b> |

**Retirees and Beneficiaries - June 30, 2017**  
**Age Distribution (Including Alternate Payees)**

| Attained<br>Ages | Retirees   |                     | Disability |                    | Totals     |                     |
|------------------|------------|---------------------|------------|--------------------|------------|---------------------|
|                  | No.        | Annual<br>Pensions  | No.        | Annual<br>Pensions | No.        | Annual<br>Pensions  |
| 35-39            | 1          | \$38,792            |            |                    | 1          | \$38,792            |
| 40-44            | 6          | 416,377             | 1          | 20,740             | 7          | 437,117             |
| 45-49            | 22         | 1,464,704           |            |                    | 22         | 1,464,704           |
| 50-54            | 28         | 1,897,192           | 1          | 42,981             | 29         | 1,940,173           |
| 55-59            | 25         | 1,407,720           |            |                    | 25         | 1,407,720           |
| 60-64            | 38         | 2,015,667           |            |                    | 38         | 2,015,667           |
| 65-69            | 36         | 1,872,184           |            |                    | 36         | 1,872,184           |
| 70-74            | 41         | 1,722,410           |            |                    | 41         | 1,722,410           |
| 75-79            | 23         | 876,256             |            |                    | 23         | 876,256             |
| 80-84            | 20         | 536,938             |            |                    | 20         | 536,938             |
| 85-89            | 4          | 92,744              |            |                    | 4          | 92,744              |
| 90-94            | 1          | 10,589              |            |                    | 1          | 10,589              |
| <b>Totals</b>    | <b>245</b> | <b>\$12,351,573</b> | <b>2</b>   | <b>\$63,721</b>    | <b>247</b> | <b>\$12,415,294</b> |

**Active Members as of June 30, 2017**  
**Age and Service Distribution**

| Attained<br>Age | Service   |          |           |           |          |          | No.        | Totals<br>Payroll   |
|-----------------|-----------|----------|-----------|-----------|----------|----------|------------|---------------------|
|                 | 0-4       | 5-9      | 10-14     | 15-19     | 20-24    | 25-29    |            |                     |
| 20-24           | 5         |          |           |           |          |          | 5          | 230,989             |
| 25-29           | 16        | 4        |           |           |          |          | 20         | 1,050,674           |
| 30-34           | 2         | 3        |           |           |          |          | 5          | 266,757             |
| 35-39           | 0         | 2        | 9         | 9         |          |          | 20         | 1,934,856           |
| 40-44           |           |          | 2         | 28        |          |          | 30         | 2,733,914           |
| 45-49           |           |          |           | 18        | 3        |          | 21         | 1,893,010           |
| 50-54           |           |          |           | 4         | 2        | 1        | 7          | 703,496             |
| 55-59           |           |          |           | 1         |          |          | 1          | 84,622              |
| <b>Totals</b>   | <b>23</b> | <b>9</b> | <b>11</b> | <b>60</b> | <b>5</b> | <b>1</b> | <b>109</b> | <b>\$ 8,898,318</b> |

**Group Averages:**

Age: 39.1 years  
Service: 13.3 years  
Annual Pay: \$81,636

**Active Members – Three-Year Summary**

|                        | <b>2017</b> | <b>2016</b> | <b>2015</b> |
|------------------------|-------------|-------------|-------------|
| Active Members         | 109         | 107         | 115         |
| Valuation Payroll      | \$8,898,318 | \$7,931,705 | \$9,309,171 |
| Average Compensation   | \$81,636    | \$74,128    | \$80,949    |
| Average Age (yrs.)     | 39.1        | 39.2        | 39.7        |
| Average Service (yrs.) | 13.3        | 13.4        | 13.4        |

**Inactive Members - June 30, 2017**

| <u>Age</u>    | <u>No.</u> | <u>Estimated<br/>Annual<br/>Pensions</u> |
|---------------|------------|--|
| 36            | 1          | \$24,527                                 |
| 37            | 1          | 28,335                                   |
| 38            | 2          | 60,186                                   |
| 40            | 2          | 59,262                                   |
| 42            | 1          | 27,527                                   |
| 44            | 1          | 43,978                                   |
| 45            | 1          | 42,534                                   |
| 46            | 1          | <u>40,416</u>                            |
| <b>Totals</b> | <b>10</b>  | <b>\$326,765</b>                         |