

THE FIREFIGHTERS' PENSION TRUST FUND OF THE CITY OF STAMFORD

GASB 67 AND GASB 68 DISCLOSURE - REVISED

REPORTING AS OF JUNE 30, 2016







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All the items listed below are required by GASB 67 and GASB 68 but are not included in this report:

Statement of Changes in Fiduciary Net Position

Statement of Fiduciary Net Position

Investments That Represent 5% or More of the Plan's Fiduciary Net Position (optional)

Investment Policy

Pension Board Composition

Authority to Amend Plan

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Introduction and Certification

This report presents the results of the June 30, 2016 GASB 67 and GASB 68 Disclosure for the Firefighters' Pension Trust Fund of the City of Stamford (the Plan). The report is intended to satisfy the requirements of both GASB 67 and GASB 68. This report may not be appropriate for any other purpose.

The report has been performed in accordance with generally accepted actuarial principles and practices. It is intended to comply with the Actuarial Standards Board Standards of Practice.

I certify that the actuarial assumptions and methods that were selected by me and represent my best estimate of anticipated actuarial experience under the Plan.

In preparing this disclosure report, I have relied on employee data provided by the Plan Sponsor, and on asset and contribution information provided by the Plan Sponsor or Trustee. I have audited neither the employee data nor the financial information, although I have reviewed them for reasonableness.

The results in this disclosure report are based on the Plan as summarized in the Summary of Plan Provisions section of this report and the actuarial methods and assumptions detailed in the Description of Actuarial Methods and Procedures and Description of Actuarial Assumptions sections of this report.

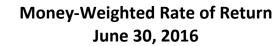
Future actuarial measurements may differ significantly from the current measurements presented in this report due to factors such as, but not limited to, the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status); and changes in plan provisions or applicable law. Due to the limited scope of this report, an analysis of the potential range of such future measurements has not been performed.

I have no relationship with the employer or the Plan that would impair, or appear to impair, my objectivity in performing the work presented in this report. I am a member of the American Academy of Actuaries and meet its Qualification Standards to render the actuarial opinion contained herein.

Evan W. Woollacott, Jr., FCA, MAAA,

Enrolled Actuary: 14-04513

December 22, 2016



Beg. Value 124,938,467 **Ending Value** 116,799,798

	Date	Employer Contributions	Employee Contributions	Benefit Payments	Admin. Expenses	Net External Cash Flows	Period Invested	Period Weight	Net External Cash Flows w/ Interest
Beg. of Yr.	7/1/2015						12	1.000	120,717,961
July	7/31/2015	4,342,000	89,411	(780,395)	(9,029)	3,641,987	11	0.917	3,529,050
August	8/31/2015	-	111,689	(783,661)	(3,041)	(675,013)	10	0.833	(655,957)
September	9/30/2015	-	69,916	(784,340)	(4,692)	(719,116)	9	0.750	(700,819)
October	10/31/2015	-	92,138	(784,026)	(4,691)	(696,579)	8	0.667	(680,802)
November	11/30/2015	-	139,501	(782,257)	(7,601)	(650,357)	7	0.583	(637,450)
December	12/31/2015	-	92,597	(783,119)	(3,042)	(693,564)	6	0.500	(681,749)
January	1/31/2016	-	92,241	(793,976)	(3,041)	(704,776)	5	0.417	(694,757)
February	2/29/2016	-	115,123	(789,324)	(3,081)	(677,282)	4	0.333	(669,568)
March	3/31/2016	-	92,240	(791,942)	(3,042)	(702,744)	3	0.250	(696,733)
April	4/30/2016	-	92,330	(789,791)	(3,041)	(700,502)	2	0.167	(696,501)
May	5/31/2016	-	92,309	(789,803)	(11,207)	(708,701)	1	0.083	(706,674)
June	6/30/2016	-	161,087	(784,247)	(3,043)	(626,203)	0	0.000	(626,203)
End of Yr.	6/30/2016	4,342,000	1,240,582	(9,436,881)	(58,551)				116,799,798

Money-Weighted Rate of Return

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-3.38%



Schedule of Investment Returns Last 3 Fiscal Years

	2016	2015	2014
Annual money-weighted rate of return, net of investment expense	-3.38%	-0.15%	12.67%



Contributions Compared to ADEC and Payroll Schedule of Contributions Last 3 Fiscal Years

	 2016	2015	 2014
Actuarially Determined Employer Contribution (ADEC)	\$ 4,342,000	\$ 3,575,000	\$ 3,119,000
Contributions in relation to the ADEC	 4,342,000	 3,515,000	 3,119,000
Contribution deficiency (excess)	\$ -	\$ 60,000	\$
Covered-employee payroll	\$ 21,610,577	\$ 20,981,143	\$ 21,475,500
Contributions as a percentage of covered-employee payroll	20.09%	16.75%	14.52%



Discount Rate Calculation

The long-term expected rate of return on investments may be used to discount liabilities to the extent that the plan's fiduciary net position and future contributions are projected to be sufficient to cover expected benefit payments and administrative expenses for current plan members. Projections of the plan's fiduciary net position incorporate all cash flows for contributions from the employer and employee and administrative expenses. Professional judgment should be applied to the projections of contributions in circumstances where (a) contributions amounts are established by statute or contract or (b) a formal written policy exists. Consideration should also be given to the most recent five-year contribution history as key indicators of future contributions. It should not include cash flows for future plan members.

If the amount of the plan's fiduciary net position is projected to be greater than or equal to the benefit payments and administrative expenses made in that period, the actuarial present value of payments should be discounted using the long-term expected rate of return on those investments. A 20-year, high quality (AA/Aa or higher), tax-exempt municipal bond yield or index rate must be used to discount benefit payments for periods where the fiduciary net position is not projected to cover expected benefit payments and administrative expenses.

Plans that are projected to have sufficient fiduciary net position indefinitely will use the long-term expected return on investments to determine liabilities but will have to substantiate their projected solvency.

GASB permits alternative methods to evaluate the sufficiency of the plan's net fiduciary position. Based on the plan's current net pension liability and current contribution policy, the plan's projected fiduciary net position will be sufficient to cover projected benefit payments and administrative expenses indefinitely. Therefore, since the fund is not projected to run out of money, we have used the 7.25% interest rate assumption to discount plan liabilities.



Target Allocation and Expected Rate of Return

Actuarial Valuation as of July 1, 2015

	Target	Long-Term Expected Real	
Asset Class	Allocation	Rate of Return*	Weighting
Large Cap Equities	35.00%	4.75%	1.66%
International Equities	20.00%	5.25%	1.05%
Small Cap Equities	15.00%	5.50%	0.83%
High Quality Bonds	14.00%	2.00%	0.28%
International Income	2.00%	2.00%	0.04%
High Yield	2.00%	3.25%	0.07%
Emerging Markets	2.00%	3.50%	0.07%
Alternative Investments	10.00%	5.25%	0.53%
	100.00%		4.53%
Long-Term Inflation Expectation			3.00%
Long-Term Expected Nominal Return			7.53%

^{*}Long-Term Returns are provided by HHIA. The returns are geometric means.

The long-term expected rate of return on pension plan investments was determined using a building block method in which best-estimate ranges of expected future real rates of return are developed. Best estimates of the real rates of return for each major asset class are included in the pension plan's target asset allocation.

The information above is based on geometric means and does not reflect additional returns through investment selection, asset allocation and rebalancing. The results support a rate between 7.25% and 7.75%. An expected rate of return of 7.25% was used for the July 1, 2015 Actuarial Valuation.



	2016	2015	2014	2013
Total pension liability				
Service cost	\$ 3,468,981	\$ 3,053,426	\$ 2,964,491	\$ 2,878,147
Interest	12,339,942	12,773,960	12,287,263	11,806,488
Changes of benefit terms	-	-	-	-
Differences between expected and actual experience	-	(4,349,248)	-	-
Changes of assumptions	-	2,792,894	-	-
Benefit payments, including refunds of member contributions	(9,436,881)	(9,168,689)	(8,956,725)	(8,192,407)
Net change in total pension liability	6,372,042	5,102,343	6,295,029	6,492,228
Total pension liability - beginning	171,373,011	166,270,668	159,975,639	153,483,411
Total pension liability - ending: (a)	\$ 177,745,053	\$ 171,373,011	\$ 166,270,668	\$ 159,975,639
Plan fiduciary net position				
Contributions - employer	\$ 4,342,000	\$ 3,515,000	\$ 3,119,000	\$ 2,340,000
Contributions - member	1,240,582	1,175,378	1,189,553	1,389,537
Net investment income	(4,243,849)	(191,595)	15,710,982	6,455,328
Benefit payments, including refunds of member contributions	(9,436,881)	(9,168,689)	(8,956,725)	(8,192,407)
Administrative expenses	(58,551)	(106,441)	(898,984)	-
Other	18,030			
Net change in plan fiduciary net position	(8,138,669)	(4,776,347)	10,163,826	1,992,458
Plan fiduciary net position - beginning	124,938,467	129,714,814	119,550,988	117,558,530
Plan fiduciary net position - ending: (b)	116,799,798	124,938,467	129,714,814	119,550,988
Net pension liability - ending: (a) - (b)	\$ 60,945,255	\$ 46,434,544	\$ 36,555,854	\$ 40,424,651
Plan fiduciary net position as a percentage of the total pension liability	65.71%	72.90%	78.01%	74.73%
Covered-employee payroll	\$ 21,610,577	\$ 20,981,143	\$ 21,475,500	\$ 20,850,000
Net pension liability as a percentage of covered-employee payroll	282.02%	221.32%	170.22%	193.88%



Schedule of Net Pension Liability Last 5 Fiscal Years

	2016		2015			2014	2013		2012	
Total pension liability*	\$ 177,745,0	53	\$ 171,	373,011	\$	166,270,668	\$	159,975,639	\$	153,483,411
Plan fiduciary net position	116,799,798		124,938,467		129,714,814		119,550,988		117,558,530	
Net pension liability (asset)	\$ 60,945,2	55	\$ 46,	434,544	\$	36,555,854	\$	40,424,651	\$	35,924,881
Plan fiduciary net position as percentage of total pension liability	65.7	1%		72.90%		78.01%		74.73%		76.59%
Covered-employee payroll	\$ 21,610,5	77	\$ 20,	981,143	\$	21,475,500	\$	20,850,000	\$	22,638,000
Net pension liability as a % of covered-employee payroll	282.0	2%		221.32%		170.22%		193.88%		158.69%

^{*}Total pension liability calculated using the Entry Age Normal Cost Method, as required by paragraph 46 of GASB Statement 67.



Disclosure Overview

	Pla	n's Funded Statu	s	Deferred Out	flows/(Inflows)	of Resources		
	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability	(Gains)/ Losses	Assumption Changes	Projected Net Investment Income	Recognized in Net Pension Liability	Recognized in Total Pension Expense
Balances prior year disclosure	(171,373,011)	124,938,467	(46,434,544)	(3,812,304)	2,448,092	8,056,118	(46,434,544)	
Changes in net pension liability: Service cost Interest Net investment income Contributions - employer Contributions - member Benefit payments, including refunds of member contributions Administrative expense Other	(3,468,981) (12,339,942) 9,436,881	(4,243,849) 4,342,000 1,240,582 (9,436,881) (58,551) 18,030	(3,468,981) (12,339,942) (4,243,849) 4,342,000 1,240,582 0 (58,551) 18,030				4,342,000	3,468,981 12,339,942 4,243,849 (1,240,582) 58,551 (18,030)
Recognized in total pension expense Differences between expected and actual experience Changes of assumptions Differences between projected and actual earnings on pension plan		16,030	16,030	536,944	(344,802)	(4,646,664)	(536,944) 344,802 4,646,664	(536,944) 344,802 4,646,664
Deferred outflows/inflows of resources Differences between expected and actual experience Changes of assumptions Differences between projected and actual earnings on pension plan Total pension expense	0		0	0	0	13,163,171	0 0 (13,163,171) (10,144,062)	(13,163,171) 10,144,062
Balances end of year	(177,745,053)	116,799,798	(60,945,255)	(3,275,360)	2,103,290	16,572,625	(60,945,255)	



Changes in the Net Pension Liability

			Incr	ease (Decrease)		
	Т	otal Pension Liability (a)		Plan Fiduciary Net Position (b)	N	let Pension Liability (a) - (b)
Balances as of June 30, 2015	\$	171,373,011	\$	124,938,467	\$	46,434,544
Changes for the year:						
Service cost		3,468,981				3,468,981
Interest		12,339,942				12,339,942
Differences between expected and actual experience		-				-
Contributions - employer				4,342,000		(4,342,000)
Contributions - member				1,240,582		(1,240,582)
Net investment income				(4,243,849)		4,243,849
Benefit payments, including refunds of member contributions		(9,436,881)		(9,436,881)		-
Administrative expense				(58,551)		58,551
Other				18,030		(18,030)
Net changes		6,372,042		(8,138,669)		14,510,711
Balances at June 30, 2016	\$	177,745,053	\$	116,799,798	\$	60,945,255



Components of the Pension Expense for the Fiscal Year Ended June 30, 2016

Description	Amount
Service cost	\$ 3,468,981
Interest on the total pension liability	12,339,942
Differences between expected and actual experience	(536,944)
Changes of assumptions	344,802
Member contributions	(1,240,582)
Projected earnings on pension plan investments	(8,919,322)
Differences between projected and actual earnings	
on plan investments	4,646,664
Pension plan administrative expense	58,551
Other changes in fiduciary net position	 (18,030)
Total pension expense	\$ 10,144,062



Increase (Decrease) in Pension Expense from the Recognition of the Effects of Differences Between Expected and Actual Experience

	Differences between Expected and Actual	Recognition									
Year	Experience	Period (Years)	2015	2016	2017	2018	2019	2020	2021	2022	2023
2015 2016	\$ (4,349,248)	8.1 7.7	\$ (536,944)	\$ (536,944)	\$ (536,944)	\$ (536,944)	\$ (536,944)	\$ (536,944)	\$ (536,944)	\$ (536,944)	\$ (53,696)
Net incre	ease (decrease) in բ	pension expense	\$ (536,944)	\$ (536,944)	\$ (536,944)	\$ (536,944)	\$ (536,944)	\$ (536,944)	\$ (536,944)	\$ (536,944)	\$ (53,696)



Increase (Decrease) in Pension Expense from the Recognition of the Effects of Changes of Assumptions

	Changes of	Recognition									
Year	Assumptions	Period (Years)	2015	2016	2017	2018	2019	2020	2021	2022	2023
2015	\$ 2,792,894	8.1	\$ 344,802	\$ 344,802	\$ 344,802	\$ 344,802	\$ 344,802	\$ 344,802	\$ 344,802	\$ 344,802	\$ 34,478
2016	-	7.7									
Net incr	ease (decrease) ir	pension expense	\$ 344,802	\$ 344,802	\$ 344,802	\$ 344,802	\$ 344,802	\$ 344,802	\$ 344,802	\$ 344,802	\$ 34,478



Increase (Decrease) in Pension Expense from the Recognition of Differences between Projected and Actual Earnings on Pension Plan Investments

Year	Pr Ac	Differences between ojected and tual Earnings Pension Plan	Recognition Period (Years)	2015	2016	2017	2018	2019	2020
2015 2016	\$	10,070,148 13,163,171	5 5	\$ 2,014,030	\$ 2,014,030 2,632,634	\$ 2,014,030 2,632,634	\$ 2,014,030 2,632,634	\$ 2,014,028 2,632,634	\$ 2,632,635
Net incr	ease	(decrease) in p	pension expense	\$ 2,014,030	\$ 4,646,664	\$ 4,646,664	\$ 4,646,664	\$ 4,646,662	\$ 2,632,635



Interest on the Total Pension Liability Recognized in Expense

	Amount for Period	Portion of Period	Interest Rate	Interest on the Total Pension Liability
Beginning total pension liability Service cost	\$ 171,373,011 3,468,981	100% 100	7.25% 7.25	\$ 12,424,543 251,501
Benefit payments, including refunds of member contributions	(9,436,881)	50	7.25	(336,102)
Total interest on the pension liability				\$ 12,339,942

Projected Earnings on Pension Plan Investments Recognized in Expense

	Amount for Period	Portion of Period	Projected Rate of Return	Projected Earnings
Beginning plan fiduciary net position	\$ 124,938,467	100%	7.25%	\$ 9,058,039
Contributions - employer	4,342,000	50	7.25	154,644
Contributions - member	1,240,582	50	7.25	44,184
Benefit payments, including refunds of member contributions	(9,436,881)	50	7.25	(336,102)
Administrative expense and other	(40,521)	50	7.25	(1,443)
Total projected earnings				\$ 8,919,322



Pension Expense and Deferred Outflows and Inflows of Resources Related to Pensions

For the fiscal year ended June 30, 2016, the recognized pension expense is \$10,144,062. As of June 30, 2016, deferred outflows and inflows of resources related to pensions are reported as follows:

	Ou	eferred otflows of esources	ı	Deferred Inflows of Resources
Differences between expected and actual experience Changes of assumptions	\$	2,103,290	\$	(3,275,360)
Net difference between projected and actual earnings on pension plan investments		16,572,625		
Total	\$ 1	18,675,915	\$	(3,275,360)

Amounts reported as deferred outflows and inflows of resources related to pensions will be recognized in the pension expense as follows:

Year Ended June 30:							
2017	\$	4,454,522					
2018		4,454,522					
2019		4,454,520					
2020		2,440,493					
2021		(192,142)					
Thereafter		(211,360)					



Deferred Outflows and Inflows of Resources from Differences between Expected and Actual Experience

	Experience Losses	Experience Gains	in	ounts Recognized Pension Expense ough June 30, 2016	Balances at Deferred Outflows of Resources	Deferred Inflows of Resources
Year	(a)	(b)		(c)	(a) - (c)	(b) - (c)
		. ()	_	(* 0=0 000)		± (0.0== 0.00)
2015		\$ (4,349,248)	\$	(1,073,888)		\$ (3,275,360)
					\$ -	\$ (3,275,360)



Deferred Outflows and Inflows of Resources from Changes of Assumptions

					Balances at J	une 30, 2016
Year	Increases in the Total Pension Liability (a)	Decreases in the Total Pension Liability (b)	in Per	nts Recognized nsion Expense n June 30, 2016 (c)	Deferred Outflows of Resources (a) - (c)	Deferred Inflows of Resources (b) - (c)
2015	\$ 2,792,894		\$	689,604	\$ 2,103,290 \$ 2,103,290	\$ -



Deferred Outflows and Inflows of Resources from Differences between Projected and Actual Earnings on Pension Plan Investments

					Balances at J	une 30, 2016
	Investment Earnings Less Than Projected	Investment Earnings Greater Than Projected	in Per	nts Recognized nsion Expense h June 30, 2016	Deferred Outflows of Resources	Deferred Inflows of Resources
Year	(a)	(b)		(c)	(a) - (c)	(b) - (c)
2015	\$ 10,070,148		\$	4,028,060	\$ 6,042,088	
2016	13,163,171			2,632,634	10,530,537	
					\$ 16,572,625	\$ -



Sensitivity of the Net Pension Liability to Changes in the Discount Rate

	Di	Current scount Rate (7.25%)	1	% Decrease (6.25%)	1	% Increase (8.25%)
Net pension liability as of June 30, 2016	\$	60,945,255	\$	82,263,815	\$	43,016,602

Participant Breakdown as of July 1, 2014

	Participant Count
Inactive plan members or beneficiaries currently receiving benefits	223
Inactive plan members entitled to but not yet receiving benefits	0
Active plan members	257
Total members	480



Description of Significant Changes Prior to Year End

There were no significant plan changes since the last published valuation.

DROP Balances

Currently, there is no Deferred Retirement Option Plan (DROP). Therefore, the DROP balances are \$0.

Valuation Date and Roll Forward Process

The Plan Sponsor uses the July 1, 2014 Actuarial Valuation to calculate the ADEC for fiscal 2016.

The July 1, 2014 Actuarial Valuation was used to project the July 1, 2015 Total Pension Liability (TPL). The July 1, 2015 TPL was increased by service cost and interest and decreased by benefit payments to estimate the TPL as of June 30, 2016. The TPL as of June 30, 2016 was also adjusted to reflect any material plan changes after the valuation.

Funding Policy

The Plan Sponsor's Funding Policy is to contribute the ADEC.

Each year, the Plan Sponsor pays the Normal Cost plus an amortization of the Plan's UAL. For the July 1, 2015 Valuation, a "semi-closed" amortization method was used. The unfunded liability as of July 1, 2015 will be amortized over 15 years. Future changes in the unfunded liability will also be amortized over 15 years.

Assumption Selection

The selections of all assumptions used in determining the total pension liability were made in conformity with Actuarial Standards of Practice issued by the Actuarial Standards Board.

The actuarial assumptions used in the valuation were based on the experience study as of July 1, 2013.



Description of Actuarial Methods

Asset Valuation Method - Valuation

The Actuarial Value of Assets used in the development of the Annual Recommended Contribution is designed to smooth out fluctuations in the market value. An Expected Actuarial Value of Assets is determined based on the prior year's Actuarial Value of Assets and the assumed interest rate equal to the valuation interest rate. The Actuarial Value of Assets is equal to the Expected Actuarial Asset Value plus 20% of the difference between the Market Value and the Expected Value. The Actuarial Value of Assets is limited to a minimum of 70% or a maximum of 130% of the Market Value.

Asset Valuation Method - GASB 67/68

As required by GASB 67/68, the market value of assets was used.

Actuarial Cost Method

Cost method for determining the calculating GASB liability: Entry Age Normal Actuarial Cost Method (level percentage of salary).

Cost method for determining the ADEC: Projected Unit Credit Cost Method.

The Ongoing Annual Cost equals the total present value for all participants of the benefit accruing during the coming year, increased to reflect salaries projected to the assumed retirement date.

The Accrued Liability equals the present value of all benefits accrued to date, increased to reflect salaries for all active participants. The total Accrued Liability is reduced by plan assets to develop the Unfunded Accrued Liability.

The cost of amortizing the Unfunded Accrued Liability constitutes a portion of the Actuarially Determined Contribution.

The total Actuarially Determined Contribution equals the Ongoing Annual Cost, further increased by any positive amortization of the Unfunded Accrued Liability. Beginning with the July 1, 2014 valuation, there was an initial unfunded amount of approximately \$18,571,000. This amount will be completely amortized by July 1, 2029. Each future valuation will amortize any changes in the unfunded accrued liability due to actuarial experience, plan changes or assumption changes over 15 years.



Description of Actuarial Assumptions

	Year Ending June 30, 2016	Year Ending June 30, 2015
Investment rate of return (net of investment-related and administrative expenses)	7.25%	7.25%
Rate of compensation increase (including inflation)	Graded Scale	Graded Scale

Inflation

3.0%.

This assumption is based on long term (1926-2013) historical inflation numbers. While near term averages have been lower, we do not believe this trend will continue indefinitely and expect that there will be a reversion to the long term average.

Mortality

RP-2000 Mortality Table with separate male and female rates, with blue collar adjustment, combined table for non-annuitants and annuitants, projected to the valuation date with Scale AA.

Mortality Improvement

Projected to date of decrement using Scale AA (generational mortality).

We have selected a mortality table commonly used by public pension systems (such as the State of Connecticut).

We are using Scale AA because it is consistent with recent industry analysis of future mortality improvement based on Social Security data for years 1977-1993 and is commonly used with the RP-2000 Mortality Table.

Salary Scale

Service	Rate
0	15.0%
1-2	10.0%
3	9.0%
4	8.0%
5	7.0%
6	6.0%
7	6.0%
8	5.0%
9	4.0%
10+	3.5%

The salary increase assumption was based on the experience study as of July 1, 2013.

Payroll Growth Assumption

3% annually to project normal cost only.



Medicare Part B Reimbursements

3% increase assumption each year.

Retirement Age

Ret Rates by Years of Service*	
Years	Rate
25	0.040
26	0.000
27	0.040
28	0.040
29	0.040
30	0.040
31	0.040
32	0.180
33	0.110
34	0.380
35	0.100
36	0.220
37	0.000
38	0.290
39	0.200
40	1.000

^{*} Retirement rate at age 65 is 1.00

The retirement rates were based on the experience study that was performed as of July 1, 2013

Turnover

The following annual rates of turnover are assumed:

Age	Probability
20	5.44%
25	4.89%
30	3.70%
35	2.35%
40	0.00%
45	0.00%
50	0.00%
55	0.00%
60	0.00%
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The turnover rates were validated by the experience study that was performed as of July 1, 2013.



Disability

The following annual rates of disability are assumed:

Age	Probability	
20	0.05%	
25	0.05%	
30	0.05%	
35	0.06%	
40	0.09%	
45	0.18%	
50	0.40%	
55	0.85%	
60	1.74%	

The disability rates were validated by the experience study that was performed as of July 1, 2013.

Survivorship

80% of employees assumed to be married, with wives 4 years younger than husbands.

Expenses

The administrative expense is assumed to be the average of the prior two years of administrative expenses.

Prior assumption: The return is assumed to be net of both administrative expenses and investment expenses. Therefore, a direct expense assumption has not been made.

Vacation Bank

60% of retirees are assumed to elect additional pension credit as an annuity from the fund.

This assumption was based upon the July 1, 2013 experience study.



Summary of Plan Provisions

Plan identification

Single-employer pension plan

Pension Earnings

Base Salary in Final Year or Employment excluding bonuses and overtime including differential amounts.

Normal Retirement

Eligibility: 20 years of service if hired before January 1, 1981; 20 years of service and age 48 if hired after January 1, 1981.

Benefit:

	% of Pension
Years of Service	Earnings
20	50.00%
21	52.00%
22	54.00%
23	56.00%
24	58.00%
25	60.00%
26	62.00%
27	64.00%
28	66.00%
29	68.00%
30	70.00%
31	72.00%
32	74.00%

Limits on Annual Benefit

Maximum: 74.00% of pension earnings.

Minimum: None.

Early Retirement

Eligibility: None.

Benefit: See Termination Benefit.

Disability - Non-Service Connected

Service Requirement: 20 years of service.

Benefit: 50% of salary, not less than accrued benefit.



Disability - Service Connected

Service Requirement: None.

Benefit: 100% of pay (or 75% of pay depending on extent of disability).

Pre-Retirement Death Benefit - Non Service Connected and less than 10 years of service

Service Requirement: None.

Benefit: Return of employee contributions with interest.

Pre-Retirement Death Benefit - Service Connected or more than 10 years of service

Service Requirement: None, if service connected; 10 years if non service connected.

Benefit: Greater of 100% of retirement benefit and 50% of salary.

Post-Retirement Spouse's Benefit

100% of pension retiree was receiving.

Post-Retirement Death Benefit

Lump sum, excess of accumulated contributions over benefits paid to member or survivors (if not eligible for spouse's benefit).

Medicare Part B

The City pays the cost of the Medicare Part B supplemental benefit from the pension trust for each retiree receiving Medicare coverage. The 2014 Medicare Part B monthly premium is \$104.90.

Vesting in Accrued Benefit

Eligibility: 15 years of service.

Benefit: 2.5% of final salary times service. Benefit is payable when the employee would have had 20 years of service but not earlier than age 48.

Termination Benefit

Accumulated contributions as lump sum, if not vested.

Employee Contributions

6.25% of salary; no contributions for those with 32 or more years of service.

Additional Retirement Benefits

Employees can trade in vacation leave for additional pension credit. Each 20 days grants an additional 1.5% of salary up to a maximum of 7.5%.