September 17, 2014

Actuarial Valuation Report: The City of Newport, Rhode Island Fire Pension System as of July 1, 2014





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This report presents the results of our actuarial valuation of the City of Newport, Rhode Island Fire Pension System (the Plan) as of July 1, 2014.

The valuation includes a general discussion and comments on the various schedules included in the report. These schedules summarize the underlying calculations, asset information, participant data, plan benefits and actuarial assumptions, and should be considered an integral part of the valuation.

Purpose

The main purposes of this report are to provide to the City of Newport (the City):

- The pension contribution under the City's funding policy for the 2015-2016 plan year;
- The financial condition of the Plan; and
- Information relating to the disclosure and reporting requirements of Statements No. 25, and No. 27 of the Governmental Accounting Standards Board.

Certification

To the best of our knowledge, this report is complete and accurate and all costs and liabilities have been determined in conformance with generally accepted actuarial principles and on the basis of actuarial assumptions and methods which are reasonable (taking into account past experience under the Plan and reasonable expectations) and which in combination represent our best estimate of anticipated experience under the Plan.

The actuaries certifying to this valuation are members of the Society of Actuaries or other professional actuarial organizations, and meet the General Qualification Standards of the American Academy of Actuaries for purposes of issuing Prescribed Statements of Actuarial Opinion.

Respectfully submitted,

HAY GROUP, INC.

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Comments on the Valuation

This is Hay Group's third valuation of the Plan. This report includes results for prior years based on methods and assumptions developed by the prior actuary.

Plan Contribution

The Valuation Highlights exhibit shows the development of the Plan's contribution for the 2015-2016 fiscal year, developed in accordance with the City's funding policy. The total contribution is \$5,436,487. This total cost has decreased from \$5,778,428, which was developed for the 2014-2015 fiscal year. The main reason for the decrease was the asset gain for the year.

If the City wishes to pay the contribution on a monthly basis, beginning on July 31, the monthly payment would be \$438,175.

Funding Policy

The funding requirement is the sum of two components, an annual normal cost and an amortization payment which will change from year to year in response to evolving plan experience. It is our understanding that beginning with the July 1, 2002 valuation, the amortization period was reduced from 30 to 29 years, and that for each year the amortization period decreases by one year. Thus, the amortization period for the July 1, 2014 valuation is 17 years. The normal cost and amortization is then offset by anticipated employee contributions to the Plan, to arrive at the net City contribution.

Plan Assets

Schedule A contains information about the Plan's assets. The market value of the Plan's assets as of June 30, 2014 is \$44,307,114. The overall rate of return achieved for the 2013-2014 plan year was 16.7 percent.

The asset information used for the valuation was provided by the City. We have not audited such information, but have checked it for reasonableness and consistency.

Funding Status

Schedule B provides the information on pension plans required by Statement Number 25 of the Governmental Accounting Standards Board.

Schedule C provides the information on pension plans required by Statement Number 27 of the Governmental Accounting Standards Board.

Schedule D discloses estimated City contributions and Plan benefits over the next twenty years. This open group projection suggests that the Plan will emerge from "critical status" (i.e., have a funding ratio of greater than 60%) by the year 2022, if the actuarial assumptions are reflective of the actual experience.

Participant Data

Schedule E provides a distribution of the active participants as of July 1, 2014 by age and length of service. It also shows the average salary by age and service brackets. Schedule E also includes a breakdown of the inactive participants, by age and benefit amounts.

Although we have made tests to check for the reasonableness and consistency of the participant data, we have not audited the data but have relied on it as submitted by the City.

Actuarial Assumptions and Methods

Schedule F summarizes the actuarial assumptions and cost methods used for the valuation. There were no changes in actuarial assumptions or cost methods since the prior valuation.

Plan Provisions

Schedule G contains a summary of the principal provisions of the plan in effect as of July 1, 2014.

Valuation Highlights

				July 1, 2013		July 1, 2014	_
A.		mbership Data					
	1.	Active Members					
		a. Number		85		87	
		b. Expected covered payroll for fiscal year					
		beginning on the valuation date	\$	5,509,307		5,505,579	
		c. Average pay	\$	64,815		63,283	
		d. Average age		43.1		42.7	
		e. Average service		14.4		14.0	
	2.	Retired members and beneficiaries					
		a. Number		122		123	
		b. Aggregate annual pension	\$	5,543,794		5,769,716	
		c. Average annual pension	\$	45,441		46,908	
		d. Average age		68.0		68.5	
	3.	Deferred vested members					
		a. Number		1		1	
		b. Aggregate annual pension	\$	18,456		18,456	
		c. Average annual pension	\$	18,456		18,456	
		d. Average age		54.0		55.0	
B.	Bas	sic Valuation Results					
	1.	Normal cost ¹	\$	1,301,858	(23.6%)	1,288,336	(23.4%)
	2.	Actuarial accrued liability	Ψ	1,501,050	(25.070)	1,200,550	(23.170)
	2.	a. Active members	\$	22,701,829		22,320,829	
		b. Retirees and beneficiaries	Ψ	70,913,063		72,972,998	
		c. Deferred vested		208,012		224,333	
		d. Total	\$	93,822,904		95,518,160	-
	3.	Valuation assets	\$	36,727,924		44,307,114	
	4.	Unfunded actuarial accrued liability	\$	57,094,980		51,211,046	
				July 1, 2014 to		July 1, 2015 to	
				June 30, 2015		June 30, 2016	
C.	De	velopment of Contribution	_	· · · ·		· · · · · ·	-
	1.	Contribution for fiscal year of valuation					
		a. Normal cost with interest	\$	1,437,984		1,423,048	
		b. Amortization of unfunded actuarial accrued		, ,		, ,	
		liability		$4,868,677^2$		4,541,315 ³	
		c. Anticipated employee contributions with		,,		,- ,	
		interest		(528,233)		(527,876)	
		d. City contribution assumed deposited June 30	\$	5,778,428		5,436,487	-
	2.	Monthly City contribution beginning July 31	\$	465,735		438,175	
	<i>2</i> .	finally only contribution beginning sury 51	Ψ	+05,755		750,175	

¹ Percentages in parentheses represent amounts as percentages of covered payroll.

² Amortized over 18 years from the valuation date, as a level percentage of payroll, assuming long-term salary increases of 3.2% on average.

³ Amortized over 17 years from the valuation date, as a level percentage of payroll, assuming long-term salary increases of 3.2% on average.

Schedule A: Analysis of Plan Assets

A.1. Schedule of Receipts and Disbursements		
(1) Market Value at July 1, 2013		\$36,727,924
 (2) Receipts a. City Contributions b. Member Contributions c. Net Investment Income d. Total Receipts (3) Disbursements a. Benefit Payments b. Total Disbursements 	\$ 5,990,094 518,936 6,722,062 \$13,231,092 \$5,651,902 \$5,651,902	
 (4) Market Value at June 30, 2014 [(1) + (2) - (3)] A. 2. Trust Investment Yield for 12 Months Ending June 30, 2 	2014	\$44,307,114
1. Asset Market Value at July 1, 2013		\$36,727,924
2. City Contributions during the year (paid 7/1/13)		5,990,094
3. Member Contributions and Benefits paid during the year		(5,132,966)
4. Asset Market Value at June 30, 2014		44,307,114
5. Investment Increment		6,722,062
6. Approximate Average Asset Market Value $(1) + (2) + [(3) / 2]$		40,151,535
7. Approximate Yield Rate (5) / (6)		16.7%



Schedule B: GASB 25 Disclosure Information

B.1 Actuarial Accounting Date

Date Used to Compute Benefit and Asset Values - July 1, 2014

B.2. Method and Assumptions

All methods and assumptions used for Plan accounting are summarized in Schedule F.

B.3. Statement of Plan Net Assets

1.	Assets	
	a) Cash and Short Term Investments	\$834,744
	b) Receivables	0
	c) Investments at Fair Value	
	(1) Fixed Income	7,858,016
	(2) Domestic Equities	26,837,814
	(3) Foreign Equities	6,006,524
	(4) Alternative Investments	2,806,296
	d) Total Assets	\$44,343,394
2.	Liabilities	
	a) Payables for Investments Purchased and Other Payables	36,280
3.	Net Assets Held in Trust for Pension Benefits	\$44,307,114

Actuarial Valuation Date	Actuarial Value of Assets	Actuarial Accrued Liability (AAL)	Unfunded AAL	Funded Ratio	Covered Payroll	UAAL as % of Covered Payroll
6/30/02	15,992,660	57,208,592	(41,215,932)	27.95%	4,639,918	(888.29%)
6/30/03	17,726,942	61,509,869	(43,782,927)	28.82%	4,763,438	(919.15%)
6/30/04	21,427,871	64,260,714	(42,832,843)	33.35%	4,957,989	(863.92%)
6/30/05	24,426,065	66,806,255	(42,380,190)	36.56%	4,922,941	(860.87%)
6/30/06	27,413,402	68,671,042	(41,257,640)	39.92%	4,827,849	(854.58%)
6/30/07	31,256,401	72,036,981	(40,780,580)	43.39%	5,224,518	(780.56%)
6/30/08	29,605,715	74,885,370	(45,279,655)	39.53%	4,967,895	(911.45%)
6/30/09	27,980,459	78,870,565	(50,890,106	35.48%	4,910,434	(1036.37%)
6/30/10	30,820,663	82,030,956	(51,210,293)	37.57%	4,996,160	(1024.99%)
6/30/11	32,832,334	82,907,130	(50,074,796)	39.60%	4,891,283	(1023.76%)
6/30/12	32,552,813	93,772,470	(61,219,657)	34.71%	5,532,707	(1106.50%)
6/30/13	36,727,924	93,822,904	(57,094,980)	39.15%	5,509,307	(1036.34%)
6/30/14	44,307,114	95,518,160	(51,211,046)	46.39%	5,505,579	(930.17%)

B.4. Schedule of Funding Progress

B.5. Schedule of Employer Contributions

Actuarial Valuation Date	Annual Required Contribution	Actual Contribution	Percentage Contributed
7/1/92	2,059,946	1,384,427	67.21%
7/1/93	2,225,668	1,551,116	69.69%
7/1/94	2,576,363	1,736,686	67.41%
7/1/95	2,709,621	1,990,018	73.44%
7/1/96	2,919,663	2,760,163	94.54%
7/1/97	3,065,646	3,032,805	98.93%
7/1/98	2,961,385	3,189,318	107.70%
7/1/99	3,003,673	3,860,777	128.54%
7/1/00	3,281,802	3,567,527	108.71%
7/1/01	3,106,881	3,977,470	128.02%
7/1/02	3,285,527	4,062,000	123.63%
7/1/03	3,317,767	3,317,767	100.00%
7/1/04	4,118,543	5,118,543	124.28%
7/1/05	3,543,234	3,543,235	100.00%
7/1/06	3,352,662	5,543,234	165.34%
7/1/07	3,291,226	3,291,234	100.00%
7/1/08	3,310,557	3,491,226	105.46%
7/1/09	3,781,258	3,981,258	105.29%
7/1/10	4,359,109	4,359,109	100.00%
7/1/11	4,560,741	4,560,741	100.00%
7/1/12	4,822,711	4,822,711	100.00%
7/1/13	5,990,094	5,990,094	100.00%

Schedule C: GASB 27 Disclosure Information

Development of the Net Pension Obligation (Asset)

Fiscal Year Ending	Val. Interest Rate	Amort. Years	Amort. Factor	NPO at Beginning of Year	Annual Required Contribution	Interest on NPO	Adjustment to NPO	Annual Pension Cost	Actual Contribution	Increase in NPO	NPO at End of Year
6/30/93	8.00%	30	22.7490	3,582,745	2,059,946	286,620	(157,490)	2,189,076	1,384,427	804,649	4,387,394
6/30/94	8.00%	30	22.7490	4,387,394	2,225,668	350,992	(192,861)	2,383,799	1,551,116	832,683	5,220,077
6/30/95	8.25%	30	18.4393	5,220,077	2,576,363	430,656	(283,095)	2,723,925	1,736,686	987,239	6,207,316
6/30/96	8.25%	30	18.4393	6,207,316	2,709,621	512,103	(336,635)	2,885,090	1,990,018	895,072	7,102,388
6/30/97	8.25%	30	18.4393	7,102,388	2,919,663	585,947	(385,177)	3,120,434	2,760,163	360,271	7,462,659
6/30/98	8.25%	30	18.4393	7,462,659	3,065,646	615,669	(404,715)	3,276,601	3,032,805	243,796	7,706,455
6/30/99	8.25%	30	18.4393	7,706,455	2,961,385	635,783	(417,936)	3,179,231	3,189,318	(10,087)	7,696,368
6/30/00	8.25%	30	18.4393	7,696,368	3,003,673	634,950	(417,389)	3,221,234	3,860,777	(639,543)	7,056,825
6/30/01	8.25%	30	20.1557	7,056,825	3,281,802	582,188	(350,116)	3,513,874	3,567,527	(53,653)	7,003,172
6/30/02	8.25%	30	20.1557	7,003,172	3,106,881	577,762	(347,454)	3,337,189	3,977,470	(640,281)	6,362,891
6/30/03	8.25%	30	20.1557	6,362,891	3,285,527	524,939	(315,687)	3,494,779	4,062,000	(567,221)	5,795,670
6/30/04	8.25%	29	15.7354	5,795,670	3,317,767	478,143	(368,320)	3,427,590	3,317,767	109,823	5,905,493
6/30/05	8.25%	28	15.4540	5,905,493	4,118,543	487,203	(382,134)	4,223,612	5,118,543	(894,931)	5,010,562
6/30/06	8.25%	27	15.0842	5,010,562	3,543,234	413,371	(332,173)	3,624,432	3,543,235	81,197	5,091,759
6/30/07	8.25%	26	14.7817	5,091,759	3,352,662	420,070	(344,464)	3,428,268	5,543,234	(114,966)	4,976,793
6/30/08	8.25%	25	14.4659	4,976,793	3,291,226	410,585	(344,036)	3,357,775	3,291,234	66,541	5,043,334
6/30/09	8.25%	24	14.1363	5,043,334	3,310,557	416,075	(356,765)	3,369,867	3,491,226	(121,359)	4,921,975
6/30/10	8.25%	23	13.7923	4,921,975	3,781,258	406,063	(356,864)	3,830,457	3,981,258	(150,801)	4,771,174
6/30/11	7.50%	22	13.7826	4,771,174	4,359,109	357,838	(346,174)	4,370,773	4,359,109	11,664	4,782,838
6/30/12	7.50%	21	13.3879	4,782,838	4,560,741	358,713	(357,251)	4,562,203	4,560,741	1,462	4,784,300
6/30/13	7.50%	20	12.6151	4,784,300	4,822,711	358,823	(379,252)	4,802,282	4,822,711	(20,429)	4,763,871
6/30/14	7.50%	19	12.2251	4,763,871	5,990,094	357,290	(389,680)	5,957,704	5,990,094	(32,390)	4,731,481

Note: Amortization factors used for periods prior to FY 2001 did not reflect future longevity or promotion pay increases.

Schedule D: Forecast of Plan Contributions and Benefit Payments

The following table discloses the estimated City contributions and benefits to be paid from the Plan over the next twenty years, under the current set of actuarial assumptions, except that this projection assumes that new entrants will enter the Plan each year. Underlying this so-called "open group" projection is the assumption that the current number of active members will remain constant throughout the projection period.

FY Ending 6/30	Normal Cost	Amortization of Unfunded AL	Estimated Employee Contributions	Annual Required Contribution	Benefit Payments	Funded %
2016	1,423,048	4,541,315	527,876	5,436,487	5,809,369	46.4%
2017	1,440,484	4,666,191	535,910	5,570,765	5,985,517	48.6%
2018	1,448,023	4,793,568	540,558	5,701,034	6,135,980	50.8%
2019	1,462,224	4,923,261	547,355	5,838,131	6,327,832	53.2%
2020	1,461,759	5,055,169	549,444	5,967,484	6,620,939	55.6%
2021	1,447,518	5,188,965	548,452	6,088,031	6,826,725	58.1%
2022	1,449,098	5,324,406	551,308	6,222,195	7,063,135	60.7%
2023	1,444,920	5,460,974	552,486	6,353,408	7,283,921	63.5%
2024	1,439,252	5,597,973	552,899	6,484,325	7,457,636	66.3%
2025	1,459,286	5,734,667	563,520	6,630,432	7,771,753	69.3%
2026	1,462,052	5,868,129	567,049	6,763,132	8,113,445	72.5%
2027	1,446,042	5,997,370	564,381	6,879,031	8,321,934	75.8%
2028	1,464,533	5,515,702	573,672	6,406,564	8,670,384	79.4%
2029	1,445,657	6,404,727	571,312	7,279,072	8,881,586	82.6%
2030	1,451,641	6,490,807	576,976	7,365,472	9,155,614	86.7%
2031	1,460,217	6,520,808	583,660	7,397,364	9,430,386	91.0%
2032	1,454,799	6,377,345	585,568	7,246,576	9,599,602	95.5%
2033	1,481,438	-	598,406	883,033	9,929,428	100.2%
2034	1,468,706	-	599,689	869,017	10,184,496	100.3%
2035	1,454,061	-	599,831	854,230	10,410,374	100.5%
2036	1,450,288	-	603,694	846,593	10,564,996	100.6%

Schedule E: Profiles of Population

	ACTIVES									
MALE (TOTAL)										
Age Group 0-4 5-9 10-14 15-19 20-24 25-29 30+ Total										
0-19	0	0	0	0	0	0	0	0		
20-24	1	0	0	0	0	0	0	1		
25-29	6	0	0	0	0	0	0	6		
30-34	6	6	1	0	0	0	0	13		
35-39	0	2	9	2	0	0	0	13		
40-44	1	2	3	7	0	0	0	13		
45-49	0	2	4	4	7	2	0	19		
50- 54	0	0	2	4	6	1	0	13		
55- 59	1	0	0	1	2	3	1	8		
60- 64	0	0	0	0	1	0	0	1		
65+	0	0	0	0	0	0	0	0		
TOTAL:	15	12	19	18	16	6	1	87		
			AVG AGE	42.67	AVG DUR	14.02				

E.1. Number of Active Participants by Age and Duration

Note: No female actives

	RETIRED								
	Ма	LE	Fema	LE		TOTAL			
Age Group	Number	Annual Pension	Number	Annual Pension	Number	Annual Pension			
35-39	0	0	0	0	0	0			
40-44	1	38,793	0	0	1	38,793			
45-49	1	53,681	0	0	1	53,681			
50- 54	2	105,835	0	0	2	105,835			
55- 59	15	862,908	0	0	15	862,908			
60- 64	19	1,108,707	0	0	19	1,108,707			
65-69	26	1,414,222	0	0	26	1,414,222			
70- 74	14	681,231	0	0	14	681,231			
75-79	3	177,492	0	0	3	177,492			
80-84	6	339,118	0	0	6	339,118			
85-89	3	119,389	0	0	3	119,389			
90- 94	0	0	0	0	0	0			
95-99	0	0	0	0	0	0			
100-104	0	0	0	0	0	0			
105-109	0	0	0	0	0	0			
110-114	0	0	0	0	0	0			
115-119	0	0	0	0	0	0			
120+	0	0	0	0	0	0			
TOTAL	90	4,901,376	0	0	90	4,901,376			
	AVG AGE:	66.4	AVG AGE:	0	AVG AGE:	66.4			
	AVG PENSION:	54,460	AVG PENSION:	0	AVG PENSION :	54,460			

E.2. Number of Inactive Participants by Age and Annual Pension

	DISABLED								
	МА	LE	FEMAL	Æ		TOTAL			
Age Group	Number	Annual Pension	Number	Annual Pension	Number	Annual Pension			
20-24	0	0	0	0	0	0			
25-29	0	0	0	0	0	0			
30-34	0	0	0	0	0	0			
35-39	0	0	0	0	0	0			
40-44	0	0	0	0	0	0			
45-49	1	43,193	0	0	1	43,193			
50- 54	2	84,477	0	0	2	84,477			
55- 59	0	0	0	0	0	0			
60- 64	1	43,804	0	0	1	43,804			
65-69	1	56,490	0	0	1	56,490			
70- 74	2	54,104	0	0	2	54,104			
75-79	0	0	0	0	0	0			
80-84	0	0	0	0	0	0			
85-89	0	0	0	0	0	0			
90- 94	0	0	0	0	0	0			
95-99	0	0	0	0	0	0			
100-104	0	0	0	0	0	0			
105-109	0	0	0	0	0	0			
110-114	0	0	0	0	0	0			
115-119	0	0	0	0	0	0			
120+	0	0	0	0	0	0			
TOTAL	7	282,068	0	0	7	282,068			
	AVG AGE:	60.6	AVG AGE:	0	AVG AGE:	60.6			
	AVG PENSION:	40,295	AVG PENSION:	0	AVG PENSION :	40,295			

	BENEFICIARY								
	МА	LE	FEMAI	Æ		TOTAL			
Age Group	Number	Annual Pension	Number	Annual Pension	Number	Annual Pension			
20-24	0	0	0	0	0	0			
25-29	0	0	0	0	0	0			
30-34	0	0	0	0	0	0			
35-39	0	0	0	0	0	0			
40-44	0	0	0	0	0	0			
45-49	0	0	1	30,424	1	30,424			
50- 54	0	0	0	0	0	0			
55- 59	0	0	0	0	0	0			
60- 64	0	0	2	36,502	2	36,502			
65-69	0	0	4	91,246	4	91,246			
70- 74	0	0	3	67,109	3	67,109			
75-79	0	0	1	30,227	1	30,227			
80-84	0	0	4	82,944	4	82,944			
85-89	0	0	8	189,369	8	189,369			
90-94	0	0	3	58,451	3	58,451			
95-99	0	0	0	0	0	0			
100-104	0	0	0	0	0	0			
105-109	0	0	0	0	0	0			
110-114	0	0	0	0	0	0			
115-119	0	0	0	0	0	0			
120+	0	0	0	0	0	0			
TOTAL	0	0	26	586,272	26	586,272			
	AVG AGE:	0	AVG AGE:	78.2	AVG AGE:	78.2			
	AVG PENSION:	0	AVG PENSION:	22,549	AVG PENSION :	22,549			

VESTED TERM						
	MALE		FEMALE		TOTAL	
Age Group	Number	Annual Pension	Number	Annual Pension	Number	Annual Pension
20-24	0	0	0	0	0	0
25-29	0	0	0	0	0	0
30-34	0	0	0	0	0	0
35-39	0	0	0	0	0	0
40-44	0	0	0	0	0	0
45-49	0	0	0	0	0	0
50- 54	0	0	0	0	0	0
55- 59	0	0	1	18,456	1	18,456
60- 64	0	0	0	0	0	0
65-69	0	0	0	0	0	0
70- 74	0	0	0	0	0	0
75-79	0	0	0	0	0	0
80-84	0	0	0	0	0	0
85-89	0	0	0	0	0	0
90-94	0	0	0	0	0	0
95-99	0	0	0	0	0	0
100-104	0	0	0	0	0	0
105-109	0	0	0	0	0	0
110-114	0	0	0	0	0	0
115-119	0	0	0	0	0	0
120+	0	0	0	0	0	0
TOTAL	0	0	1	18,456	1	18,456
	AVG AGE:	0	AVG AGE:	55.0	AVG AGE:	55.0
	AVG PENSION:	0	AVG PENSION:	18,456	AVG PENSION :	18,456



Schedule F: Actuarial Methods and Assumptions

Ac	tuarial Cost Method:	Individual Entry Age Normal Actuarial Cost Method - Under this method, the actuarial present value of the projected benefits of each individual included in the valuation is allocated as a level percentage of the individual's projected compensation between entry age and assumed exit. The normal cost is the portion of the actuarial present value allocated to the valuation year. For inactive members, the actuarial accrued liability is equal to the present value of benefits. Inactive members do not have a normal cost. The portion of this actuarial present value not provided for at the valuation date by the sum of the actuarial value of the assets and actuarial present value of future normal costs is the unfunded actuarial accrued liability. The unfunded actuarial accrued liability represents the excess of the total actuarial accrued liability over the valuation assets.
Asset Valuation Method:		Market value, as reported by the City
Ac	tuarial Assumptions:	
1.	Interest	7.50% per year, net of investment expenses
2.	Salary Increases	First 10 years beginning with July 1, 2012: 2.75% per year.
		Thereafter, 3.00% per year plus longevity increases of 3.00% after seventh year of employment and 0.50% for each year of employment thereafter through the thirty-first year of employment. No longevity increases are assumed after the thirty-first year of employment.
3.	Cost of Living Increases	Members retired prior to August 26, 2011: 2.75% for 10 years beginning with July 1, 2012, 3.0% thereafter.
		Members retired on or after August 26, 2011: Bureau of Labor Statistics CPI for Northeast Urban Wage Earners, not exceeding 3.00% or less than 0.50%, except that for retirees after July 1, 2012, approximated the temporary 10 years of 2.75% salary increases and 3.0% thereafter by assuming cost of living increases of 2.9% in all future years.

4. Mortality



a. Healthy Members	RP-2000 Combined Healthy Mortality Table, applied on a fully generational basis using Mortality Projection Scale AA. This table contains sufficient margin for improvement in life expectancy.
b. Disabled Members	The 1985 Wyatt Pension Disability Table (unisex rates)

5. Disability Rates of disability are based on an employee's age. Selected ages are listed below. 90% of disabilities are assumed to be service related.

	<u>P</u>	<u>robability of</u>
Attair	ned Age	<u>Disability</u>
	25	0.17%
	35	0.29%
	45	0.72%
	55	1.21%

6. Withdrawal

Rates of withdrawal are based on an employee's length of service, as follows:

	<u>Probability of</u>
Years of Service	Withdrawal
Less than 1	3.00%
1	2.25%
2	2.00%
3	1.75%
4	1.50%
5	1.25%
6	1.00%
7	0.75%
8	0.50%
9	0.25%
10 or more	0.00%

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7. Retirement

Rates of retirement are based on an employee's length of service, as follows:

Years of Service	Probability of Retirement
20	10%
21	2%
22	2%
23	2%
24	2%
25	40%
26	10%
27	10%
28	10%
29	10%
30	40%
31	20%
32	20%
33	20%
34	20%
35+	100%

8. Administrative Expenses	Assumed to be paid by the Plan Sponsor outside the trust.
9. Benefit Compensation Limits	Benefit limits under Section 415 and compensation limits under Section $401(a)(17)$ of the Internal Revenue Code are assumed to have no impact on benefits earned under this Plan.
10. Marriage/Dependents	90% of active firefighters are assumed to be married. For all participants, wives are assumed to be three years younger than their husbands. For the purposes of valuing the death benefit, unmarried members are assumed to have no dependent children at death.
11. Valuation Date	July 1, 2014.



Schedule G: Summary of Plan Provisions as of July 1, 2014

1. Effective Dates

	Most recent amendment	August 31, 2011
2.	Eligibility	All firefighters who contribute to the pension fund.
<i>3</i> .	Retirement	
	a. Eligibility	Members retired prior to July 1, 2011: 20 years of service.
		Members retired on or after July 1, 2011: earlier of attainment of age 58 or completion of 30 years of service.
	b. Benefit Formula	The annual benefit at retirement is equal to the percentage of final annual salary specified in the table below, plus \$100 per year for each year of service over 25 (maximum \$1,000). For pension purposes, annual salary includes regular and longevity pay.

Years of Service	Benefit as a <u>Percentage of Final</u> <u>Annual Salary</u>
20	50%
20	52%
22	54%
23	56%
24	58%
25	65%
26	66%
27	67%
28	68%
29	69%
30 or more	70%
Retirement benefits commence after retirement.	e as of the first payroll period

d. Form of Payment The annual benefit calculated in accordance with the formula in (b) above is payable monthly for the remainder of the retired member's life, with 67.5% of the member's benefit payable for the lifetime of the member's surviving spouse.

4. Vested Termination

c. Commencement Date



	a. Eligibility	Upon termination of employment after 10 years of service, a member is eligible for a benefit deferred to retirement age.
	b. Benefit Formula	2.5% of final annual salary multiplied by full years of service at termination.
	c. Commencement Date	25th anniversary of employment.
	d. Form of Payment	Same as retirement.
5.	Disability Retirement	
	a. Eligibility	A member who is retired because of mental or physical incapacity is eligible to receive disability retirement benefits.
	b. Benefit Formula	
	i. Non-Service Related	If a member has fewer than 10 years of service, benefit is 25% of final annual salary. If a member has more than 10 years of service, benefit is 25% of final annual salary plus an additional 2.5% of final annual salary for each year over 10, up to a maximum of 62.5% of final annual salary.
	ii. Service Related	66-2/3% of final annual salary.
	iii. Regular Retirement	If an employee has 25 or more years of service at disability, his pension will be the greater of the disability or retirement pension.
	c. Commencement Date	Benefits commence as of the first payroll period after disability.
	d. Form of Payment	Same as retirement.
6.	Non-Vested Termination of Employment	A member who leaves employment prior to completing 10 years of service will receive a lump sum payment of accumulated contributions.
7.	Death Before Retirement - Survivor Annuity Benefits	
	a. Eligibility	Death while actively employed.
	b. Benefit Formula	Surviving spouse (or, if none, dependent children) receives benefit of 67.5% of final annual salary, reduced pro rata if the deceased member had less than 20 years of service.
	c. Commencement Date	Benefits commence as of the first payroll period after death.
	d. Form of Payment	Monthly life annuity.



8.	Retiree Cost of Living Increase	Members retired prior to August 26, 2011: Pensions for retirees and disabled retirees (but not beneficiaries) are indexed to the negotiated pay increases for active firefighters. Terminated vested members receive 3% annual increases after benefit commencement.
		Members retired on or after August 26, 2011: For those entitled to annual increases, they will equal the Bureau of Labor Statistics CPI for Northeast Urban Wage Earners, but will not exceed 3% nor be lower than 0.5%.
9.	Employee Contributions	9% of salary.

9. Employee Contributions