

Police and Fire Retirement Plan Dashboard



**“OUR MISSION IS TO ENSURE PROMPT
DELIVERY OF SERVICES AND BENEFITS TO
OUR MEMBERS, AND TO COLLECT, INVEST,
AND EXPEND SYSTEM ASSETS IN A
PRUDENT, FAIR, AND TIMELY MANNER”.**



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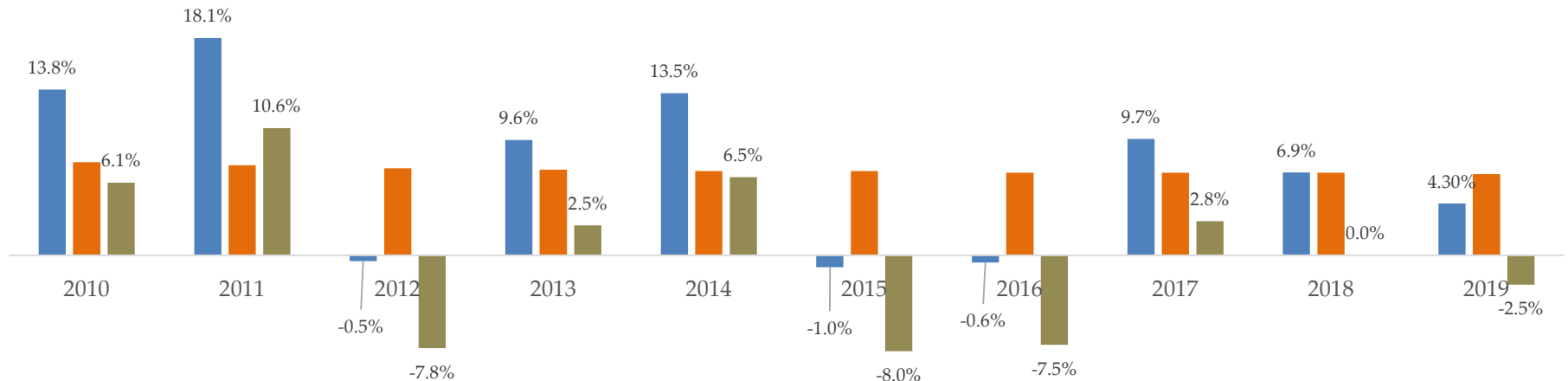
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Police and Fire Discount Rate History

<u>YEARS</u>	<u>FISCAL YEAR</u>	<u>10 YEAR US TREASURY RATE</u>	<u>DISCOUNT RATE</u>	<u>FISCAL YEAR RETURN*</u>	<u>EXCESS TO DISCOUNT RATE</u>
	1997	6.51%	8.00%		
1	2010	2.97%	7.75%	13.8%	6.1%
2	2011	3.18%	7.50%	18.1%	10.6%
3	2012	1.67%	7.25%	-0.5%	-7.8%
4	2013	2.52%	7.125%	9.6%	2.5%
5	2014	2.53%	7.00%	13.5%	6.5%
6	2015	2.35%	7.00%	-1.0%	-8.0%
7	2016	1.49%	6.875%	-0.6%	-7.5%
8	2017	2.31%	6.875%	9.7%	2.8%
9	2018	2.85%	6.875%	6.9%	0.0%
10	2019	2.01%	6.75%	4.3%	-2.5%

Plan Return versus Discount Rate

■ FISCAL RETURN ■ BEGINNING OF YEAR DISCOUNT RATE ■ EXCESS RETURN

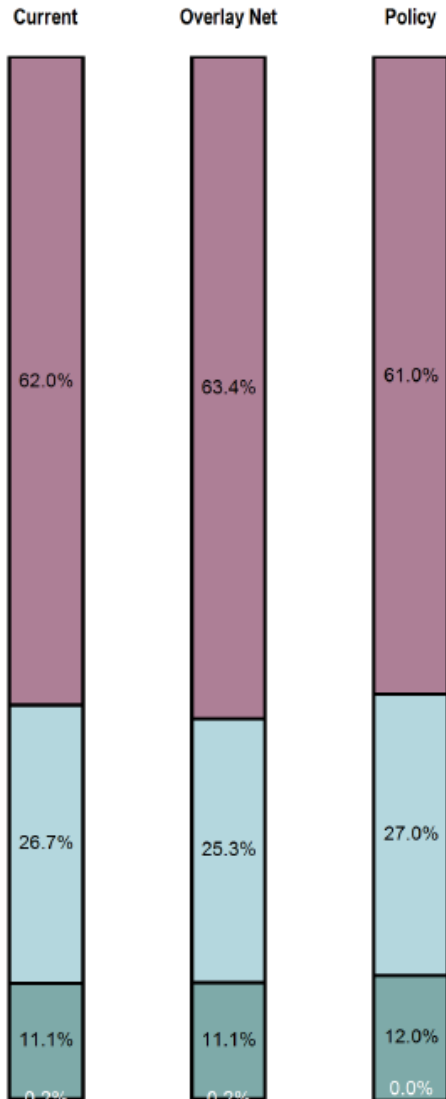


INVESTMENT METRICS

City of San Jose Police and Fire Department Retirement Plan

Total Fund Aggregate

As of September 30, 2019



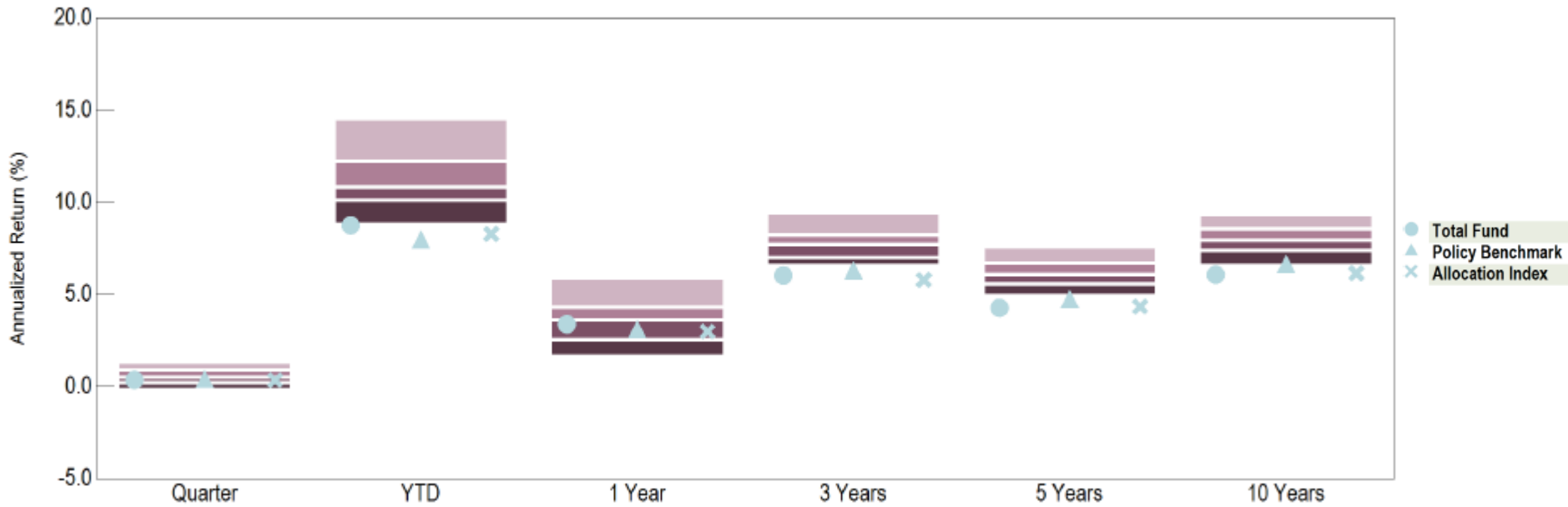
Allocation vs. Targets and Policy					
	Current Balance	Current Allocation	Russell Overlay Net Position	Policy	Difference
Growth	\$2,262,629,559	62.0%	63.4%	61.0%	1.0%
Public Equity	\$1,327,542,435	36.4%	37.7%	36.0%	0.4%
Private Markets	\$800,991,638	22.0%	22.0%	22.0%	0.0%
Emerging Markets Debt	\$116,408,582	3.2%	3.2%	3.0%	0.2%
High Yield Debt	\$17,686,904	0.5%	0.5%	0.0%	0.5%
Zero Beta	\$972,604,251	26.7%	25.3%	27.0%	-0.3%
Absolute Return	\$245,833,056	6.7%	6.7%	5.0%	1.7%
Short-Term IG Bonds	\$514,518,960	14.1%	14.1%	17.0%	-2.9%
Immunized Cash Flows	\$178,715,836	4.9%	4.9%	5.0%	-0.1%
Cash	\$33,536,399	0.9%	-0.4%	0.0%	0.9%
Other	\$406,070,271	11.1%	11.1%	12.0%	-0.9%
Core Real Estate	\$150,218,891	4.1%	4.1%	5.0%	-0.9%
Commodities	\$72,932,360	2.0%	2.0%	2.0%	0.0%
Sovereign bonds ex-US	\$108,342,865	3.0%	3.0%	3.0%	0.0%
TIPS	\$74,576,155	2.0%	2.0%	2.0%	0.0%
Overlay	\$6,261,201	0.2%	0.2%	0.0%	0.2%
Total	\$3,647,565,282	100.0%	100.0%	100.0%	

¹ Data in the column titled "Russell Overlay Net Position" is based on physical exposures, adjusted for synthetic positions provided by Russell Investments.

² Cash composite includes the cash account, cash collateral in the Russell Investments Overlay program, and residuals from terminated manager assets.

INVESTMENT METRICS

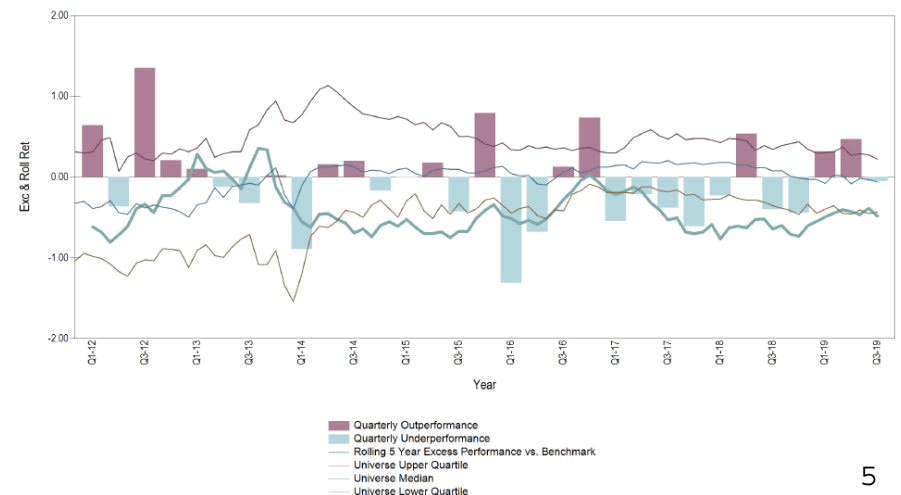
Performance vs. InvestorForce Public DB > \$1B Net (Annualized Return)



Performance vs. InvestorForce Public DB > \$1B Net (Ranking)

	Quarter	YTD	1 Year	3 Years	5 Years	10 Years
	Period					
	Return (Rank)					
5th Percentile	1.3	14.5	5.9	9.4	7.6	9.3
25th Percentile	0.9	12.2	4.3	8.2	6.7	8.6
Median	0.5	10.8	3.6	7.7	6.1	8.0
75th Percentile	0.2	10.1	2.6	7.0	5.6	7.4
95th Percentile	-0.2	8.9	1.7	6.6	5.0	6.6
# of Portfolios	71	71	71	71	69	63
Total Fund	0.4 (64)	8.7 (96)	3.4 (58)	6.0 (98)	4.3 (98)	6.1 (97)
Policy Benchmark	0.4 (60)	8.0 (97)	3.1 (62)	6.3 (97)	4.8 (98)	6.7 (94)
Investable Benchmark Portfolio	0.3 (64)	8.3 (97)	3.0 (65)	5.8 (98)	4.3 (98)	6.2 (96)

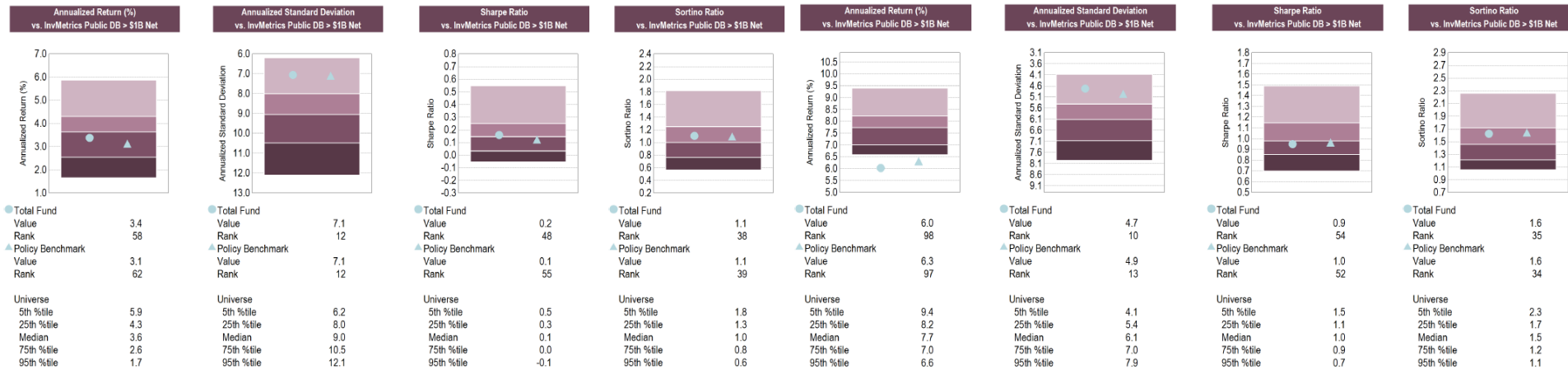
Quarterly Cumulative Excess Performance



INVESTMENT METRICS

Risk Adjusted Performance – 1 Year

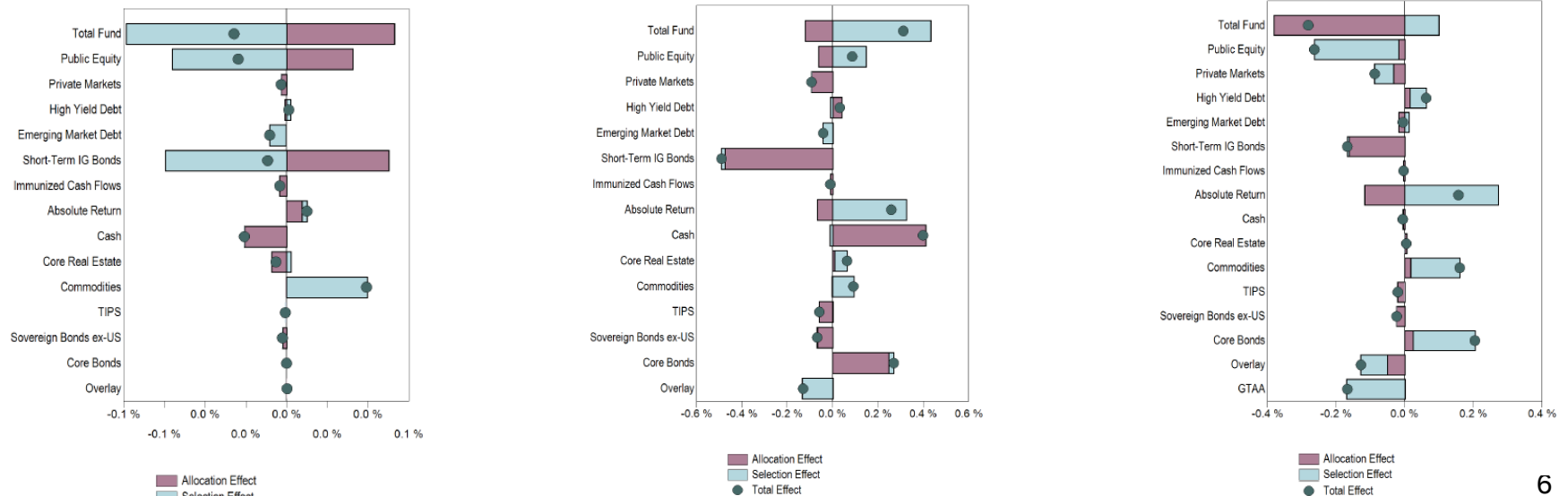
Risk Adjusted Performance – 5 Years



Attribution Effects – 3 Months

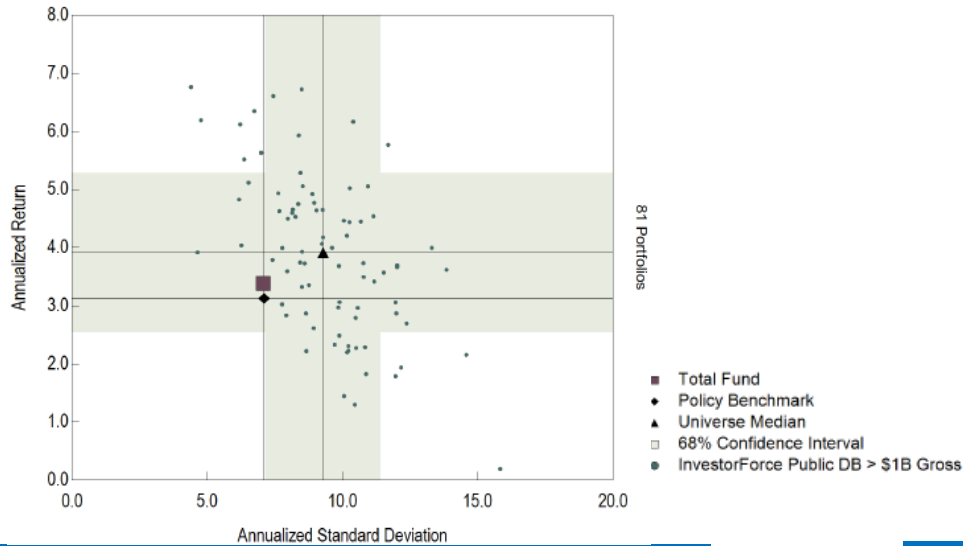
Attribution Effects – 1 Year

Attribution Effects – 3 Years

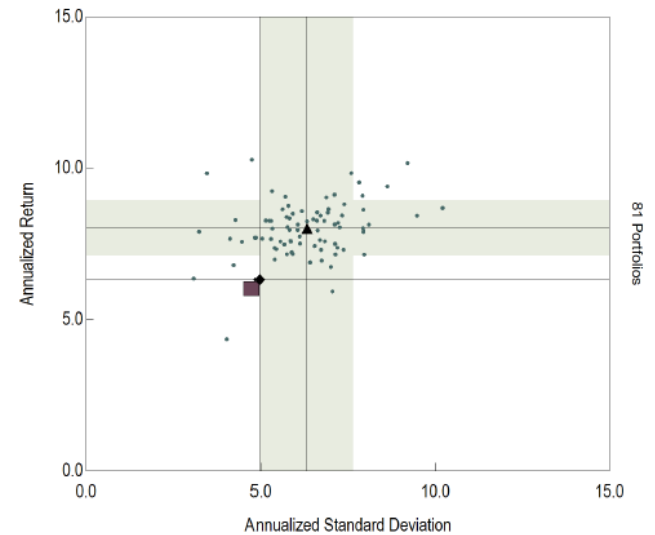


INVESTMENT METRICS

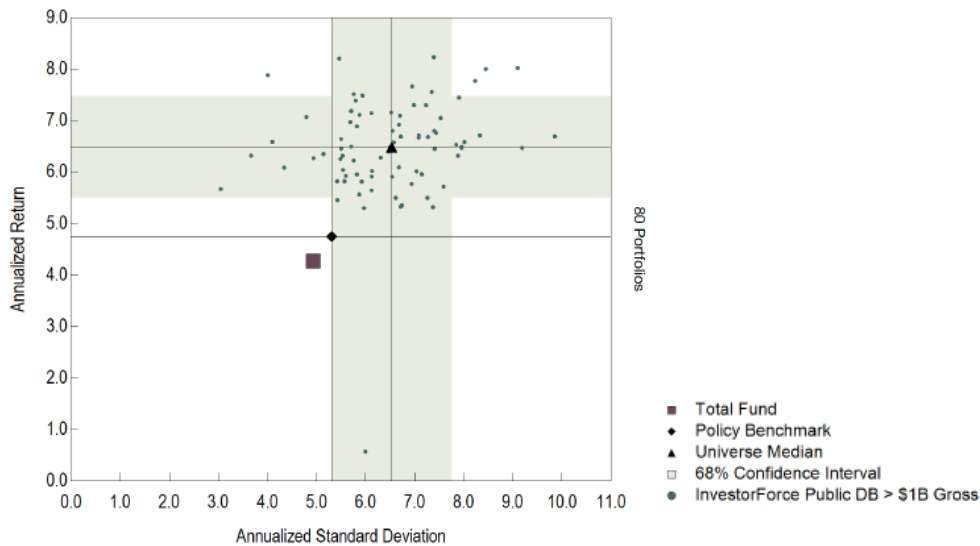
Plan Risk vs. Return – 1 Year



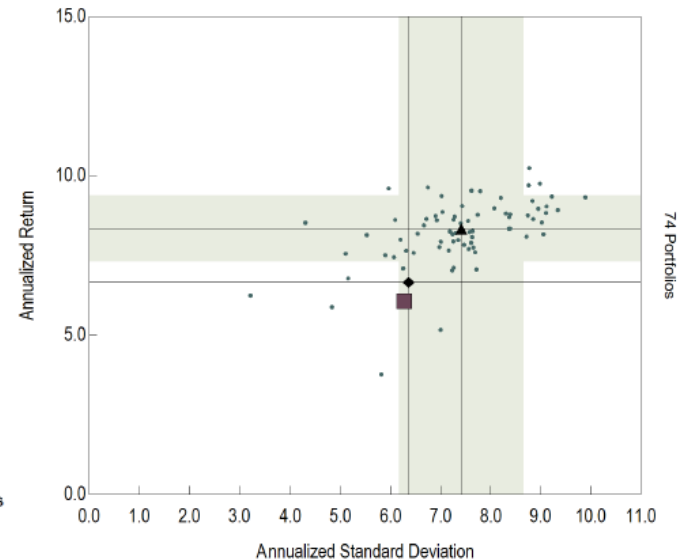
Plan Risk vs. Return – 3 Years



Plan Risk vs. Return – 5 Years



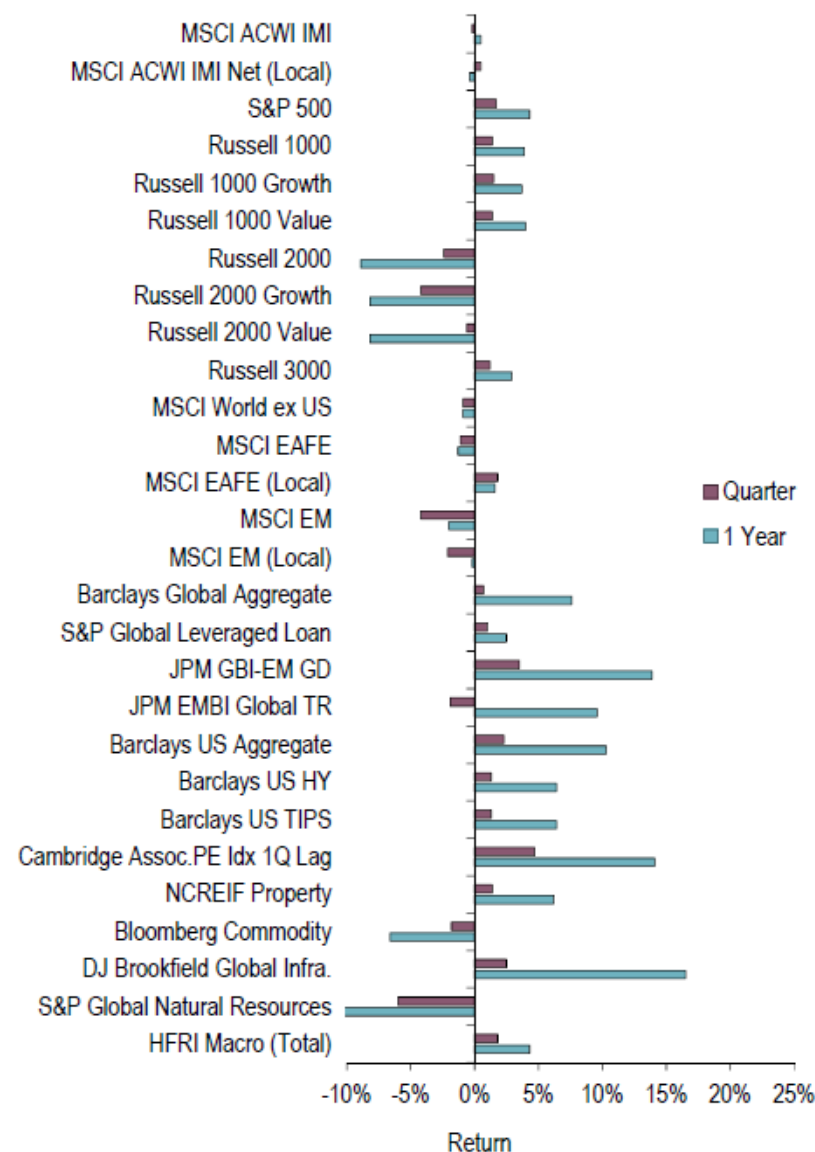
Plan Risk vs. Return – 10 Years



CAPITAL MARKET OVERVIEW

Market Environment – 3Q19 Overview

Benchmark	Scope	3Q19 (%)	1 YR (%)	3 YR (%)	5YR (%)	10 YR (%)
Global Equity						
MSCI ACWI IMI	World	-0.2	0.5	9.4	6.6	8.4
MSCI ACWI IMI Net (Local)	World (Local Currency)	0.5	-0.4	8.0	5.9	7.3
Domestic Equity						
S&P 500	Large Core	1.7	4.3	13.4	10.8	13.2
Russell 1000	Large Core	1.4	3.9	13.2	10.6	13.2
Russell 1000 Growth	Large Growth	1.5	3.7	16.9	13.4	14.9
Russell 1000 Value	Large Value	1.4	4.0	9.4	7.8	11.5
Russell 2000	Small Core	-2.4	-8.9	8.2	8.2	11.2
Russell 2000 Growth	Small Growth	-4.2	-9.6	9.8	9.1	12.2
Russell 2000 Value	Small Value	-0.6	-8.2	6.5	7.2	10.1
Russell 3000	All Cap Core	1.2	2.9	12.8	10.4	13.1
International Equity						
MSCI World ex US	World ex-US	-0.9	-0.9	6.5	3.1	4.8
MSCI EAFE	International Developed	-1.1	-1.3	6.5	3.3	4.9
MSCI EAFE (Local)	International Developed (Local Currency)	1.8	1.6	8.3	6.0	7.0
MSCI EM	Emerging Markets	-4.2	-2.0	6.0	2.3	3.4
MSCI EM (Local)	Emerging Markets (Local Currency)	-2.1	-0.2	7.6	5.5	5.9
Global Fixed Income						
Barclays Global Aggregate	Global Core Bonds	0.7	7.6	1.6	2.0	2.3
S&P Global Leveraged Loan	Bank Loans	1.0	2.5	4.4	3.4	5.0
JPM GBI-EM GD	Emerging Markets Bonds (Local Currency)	3.5	13.9	7.2	7.6	7.9
JPM EMBI Global TR	Emerging Market Bonds	-1.9	9.6	3.6	0.1	2.2
Domestic Fixed Income						
Barclays US Aggregate	Core Bonds	2.3	10.3	2.9	3.4	3.7
Barclays US HY	High Yield	1.3	6.4	6.1	5.4	7.9
Barclays US TIPS	Inflation	1.3	7.1	2.2	2.4	3.5
Other						
Cambridge Assoc. PE Index 1Q Lag	Private Equity	4.7	14.1	16.6	13.4	14.9
NCREIF Property	Real Estate	1.4	6.2	6.8	8.6	9.8
Bloomberg Commodity	Commodities	-1.8	-6.6	-1.5	-7.2	-4.3
DJ Brookfield Global Infrastructure	Infrastructure	2.5	16.5	7.8	5.2	10.9
S&P Global Natural Resources	Natural Resources	-6.0	-11.0	7.0	1.1	1.7
HFRI Macro	Hedge Funds	1.8	4.3	1.3	1.3	1.3



RISK METRICS

1 Portfolio risk



Portfolio: 9.1%



Policy: 8.7%



Peer Group: 9.9%



Liability: 11.4%

2 Portfolio equity beta



Portfolio: 0.59



Policy: 0.57



Peer Group: 0.65

3 Portfolio interest rate risk - Duration



Portfolio: 1.0



Policy: 0.8



Peer Group: 1.3



Liability: 14.3

4 Portfolio credit risk - Spread duration



Portfolio: 0.5



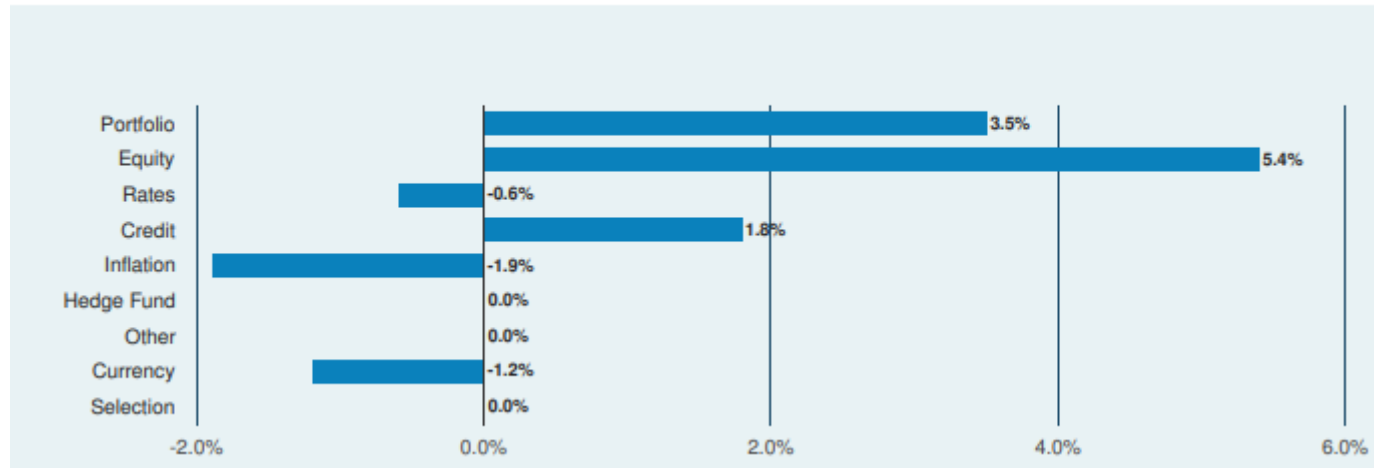
Policy: 0.3



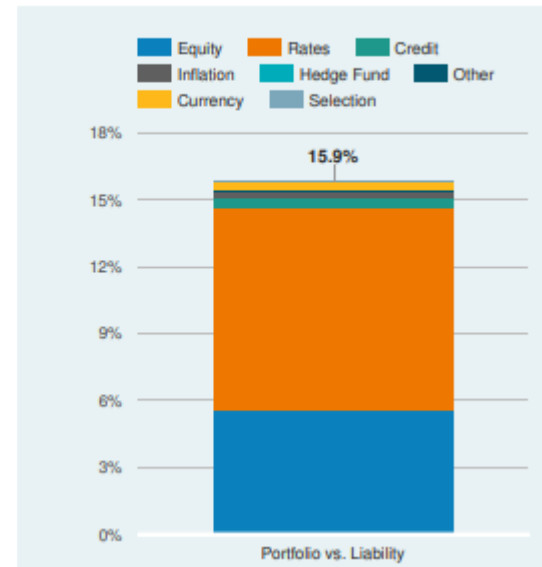
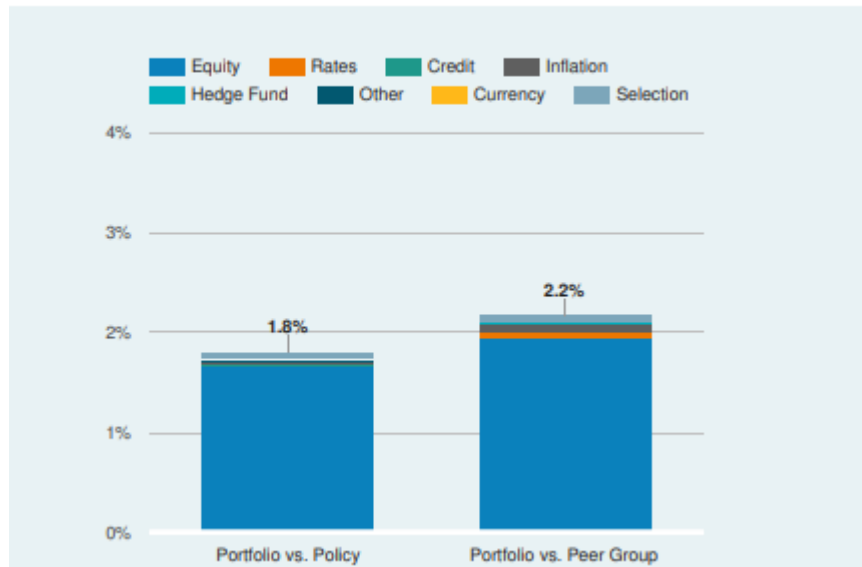
Peer Group: 0.9

RISK METRICS

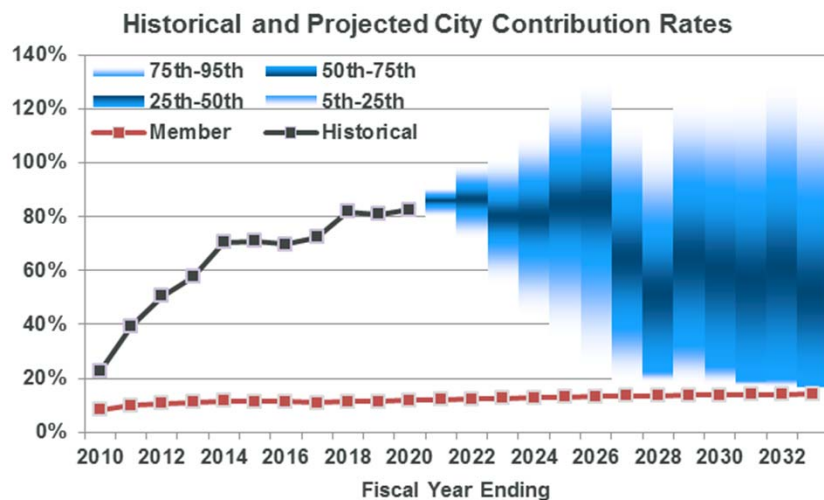
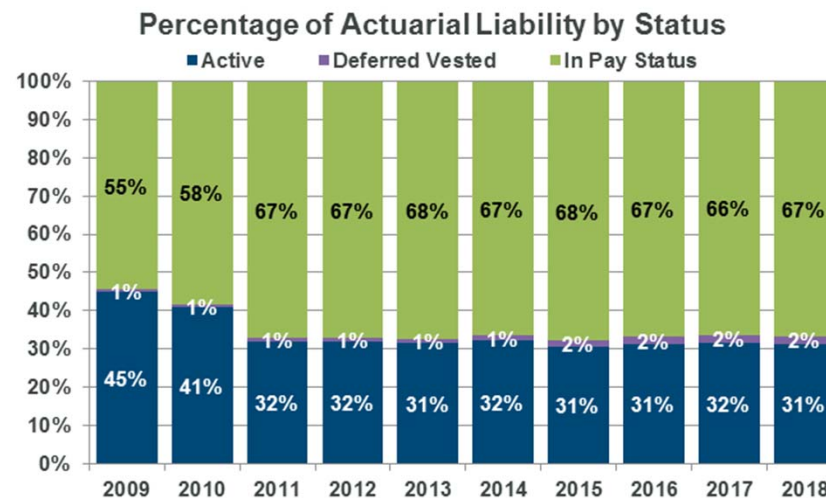
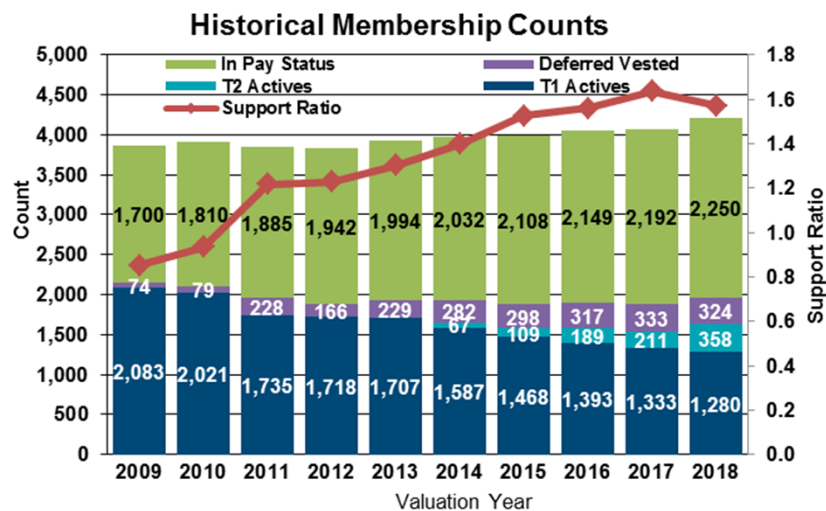
Risk factor weight relative to target



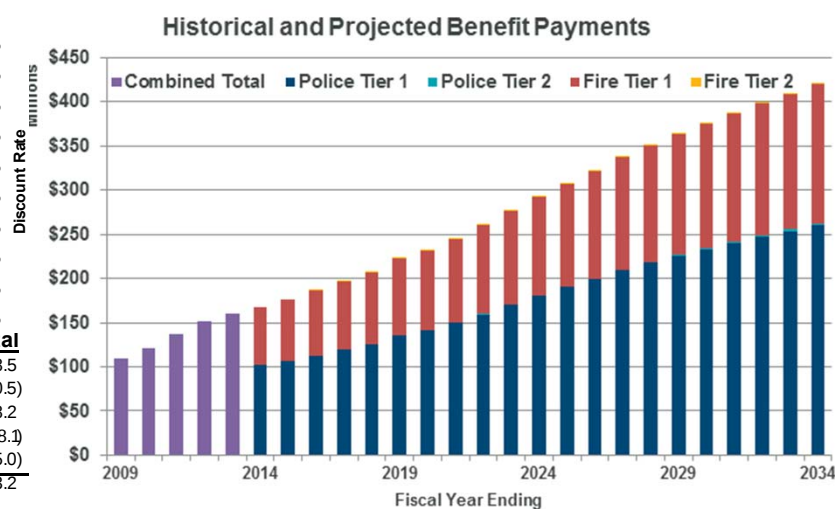
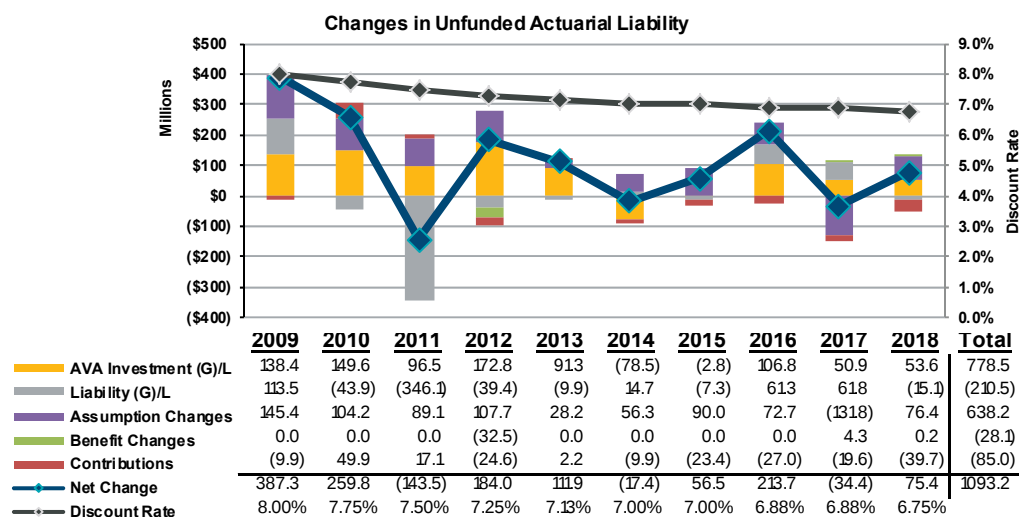
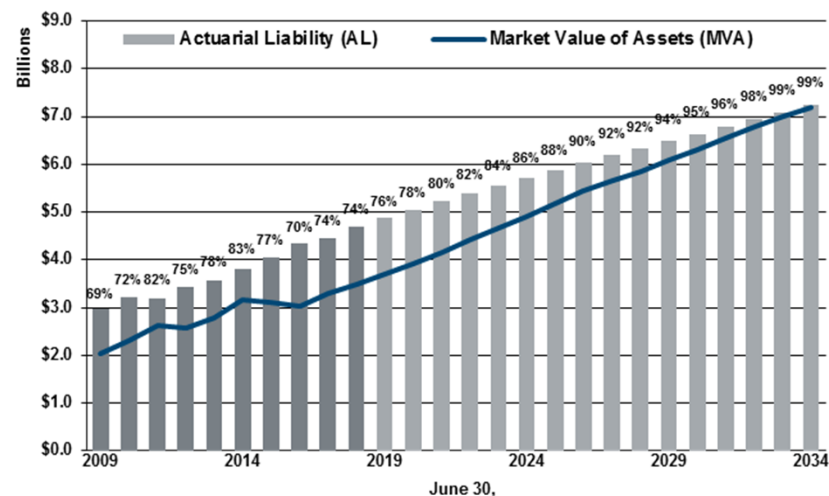
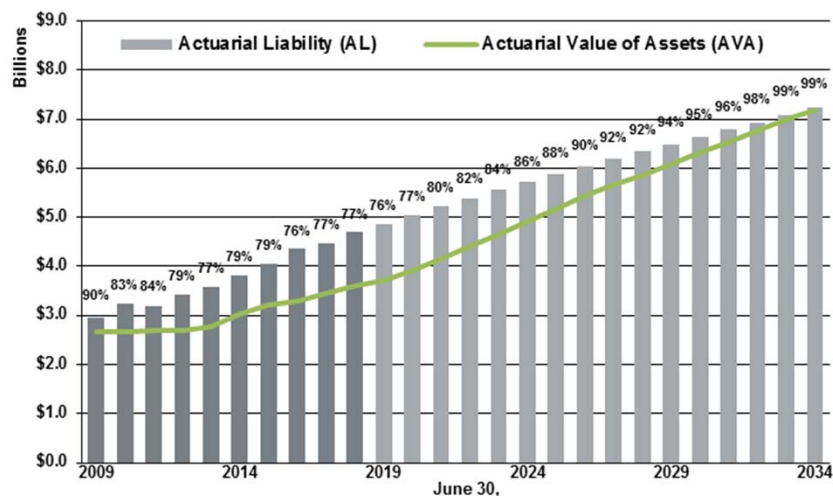
Active risk contribution by risk factor



Actuarial Metrics



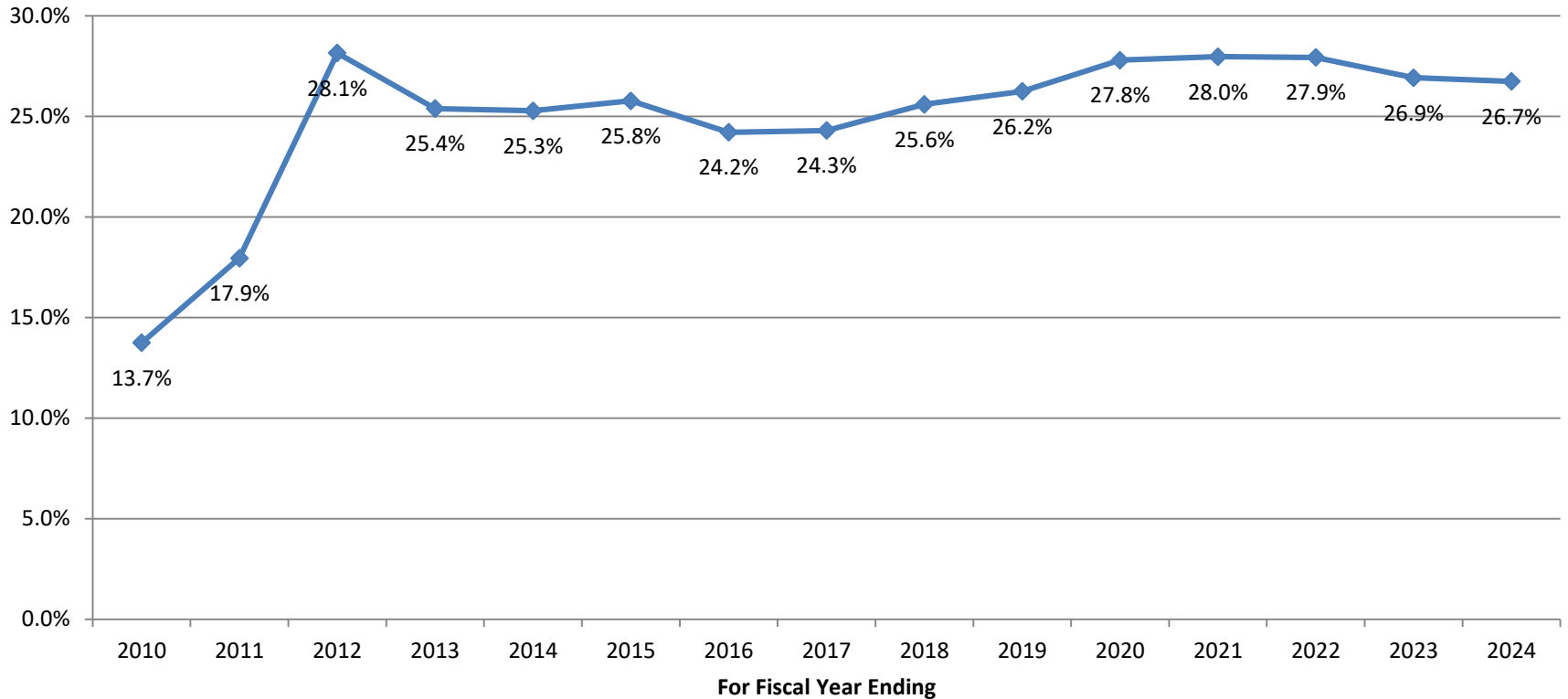
Actuarial Metrics



Classic Values, Innovative Advice

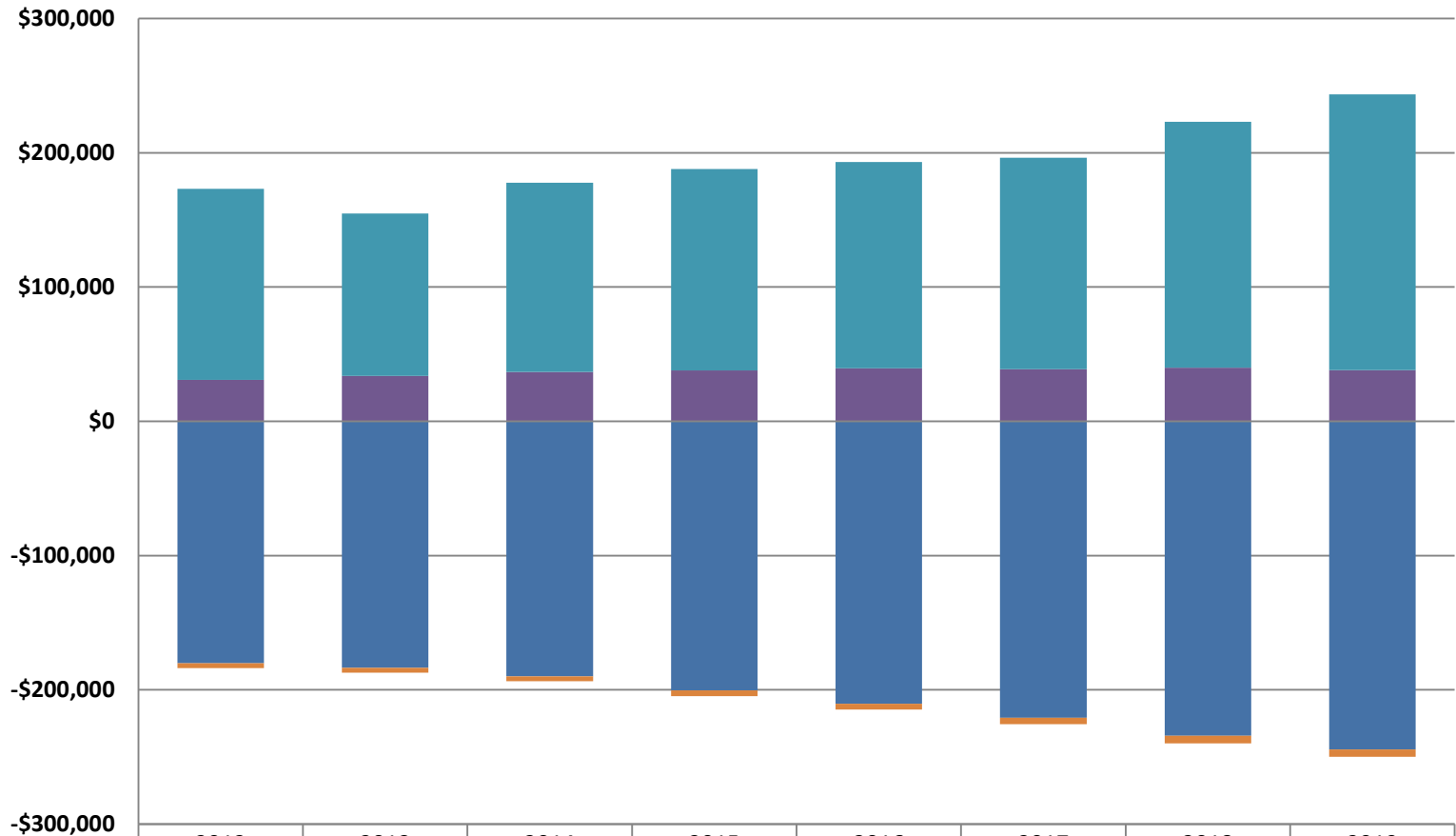
January 4, 2019

Contributions as % of City Budget



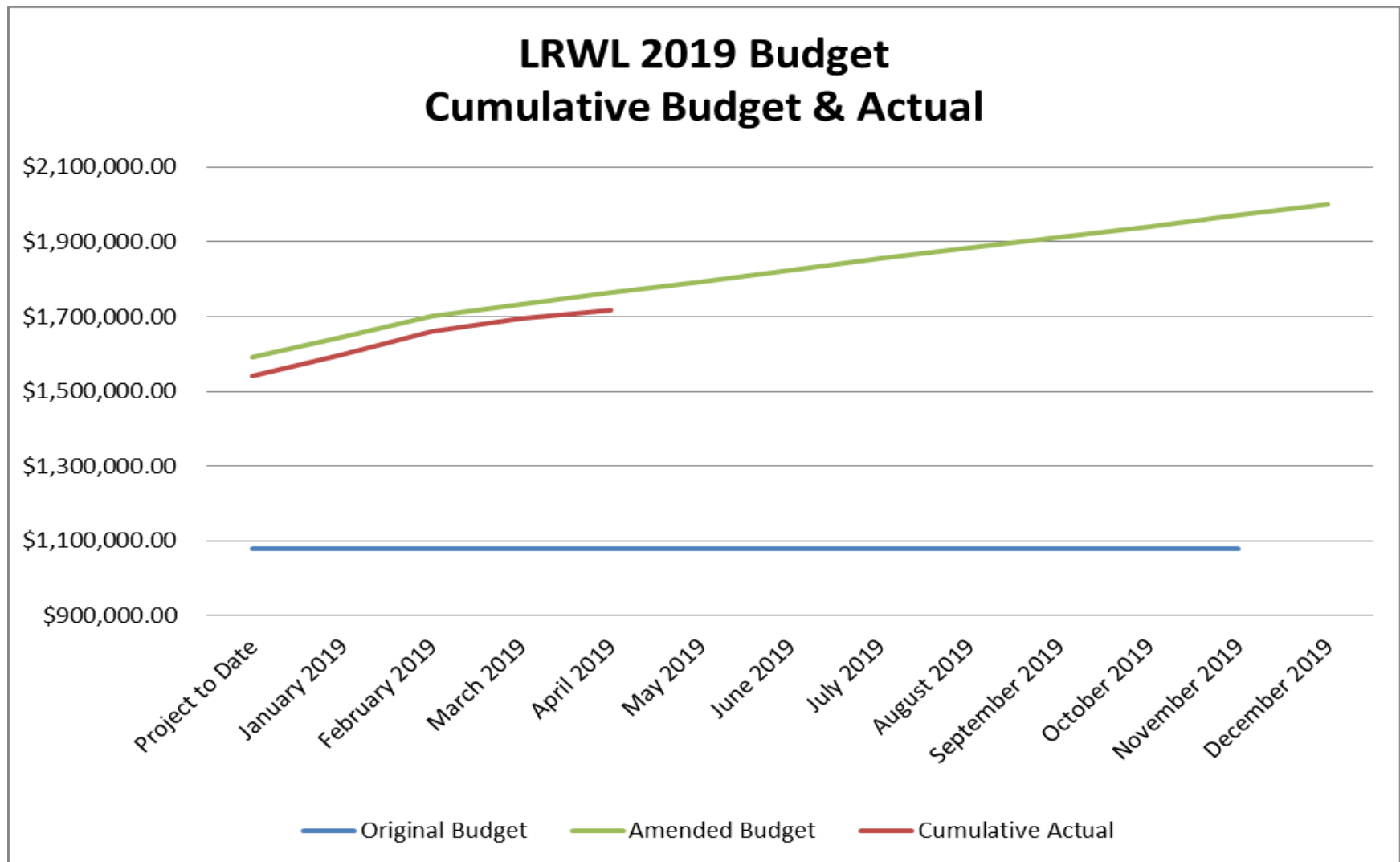
Contribution amounts represent the combined amounts for Federated and Police and Fire. Fiscal years 2020-2024 are the projected contributions and City budget based on the City's 5-Year Forecast and Revenue Projections.

Net Cash Flow / Total Additions and Deductions Before Investment Income/Expense (In Thousands)

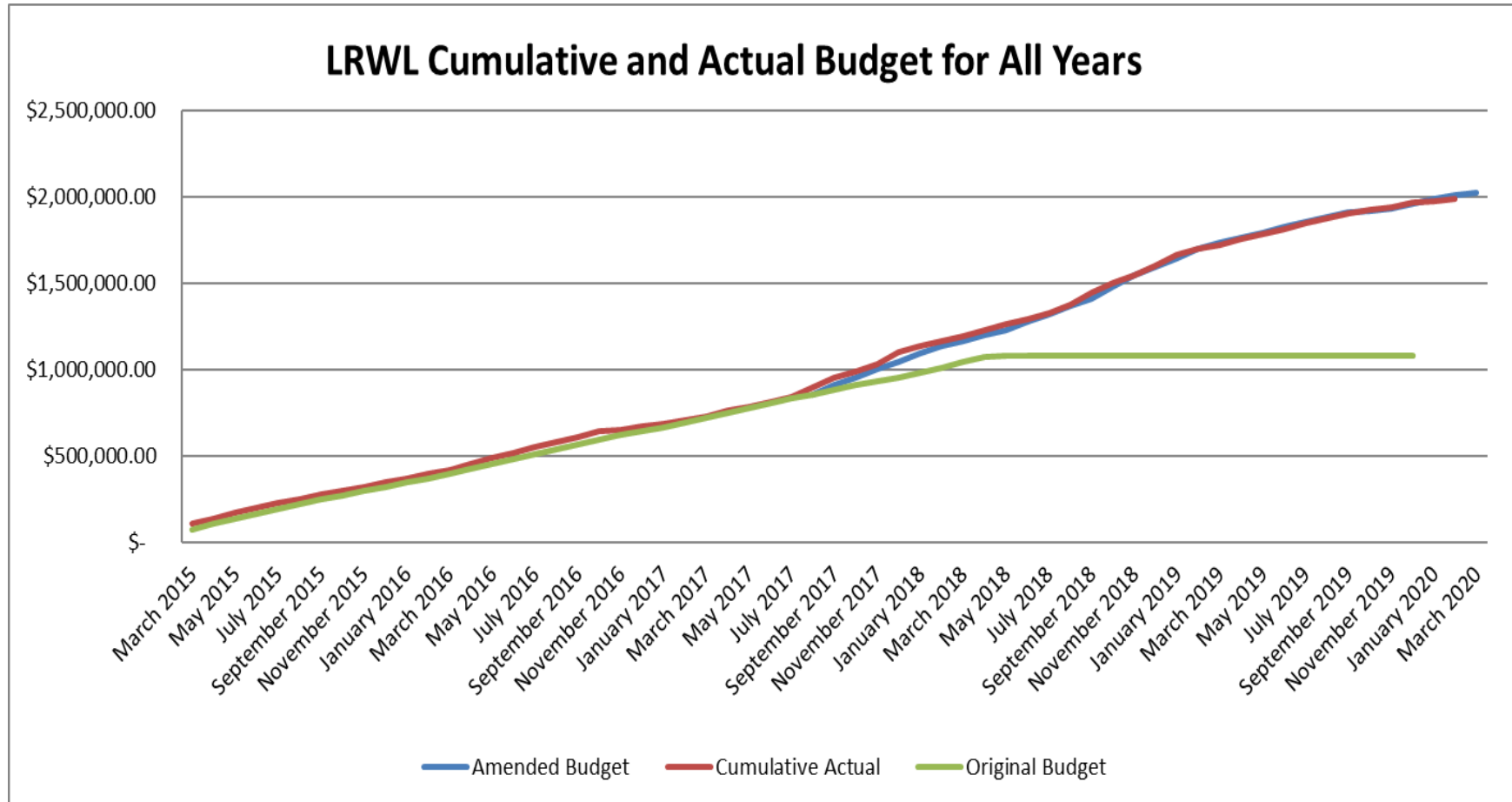


Administrative Expenses	(3,643)	(3,501)	(3,734)	(4,314)	(4,393)	(4,817)	(5,623)	(5,495)
Benefits	(180,199)	(183,636)	(189,907)	(200,458)	(210,389)	(220,831)	(234,316)	(244,411)
Employer Contributions	142,214	121,042	140,850	150,189	153,545	157,624	183,094	205,362
Employee Contributions	30,819	33,725	36,789	37,764	39,515	38,696	39,968	38,126

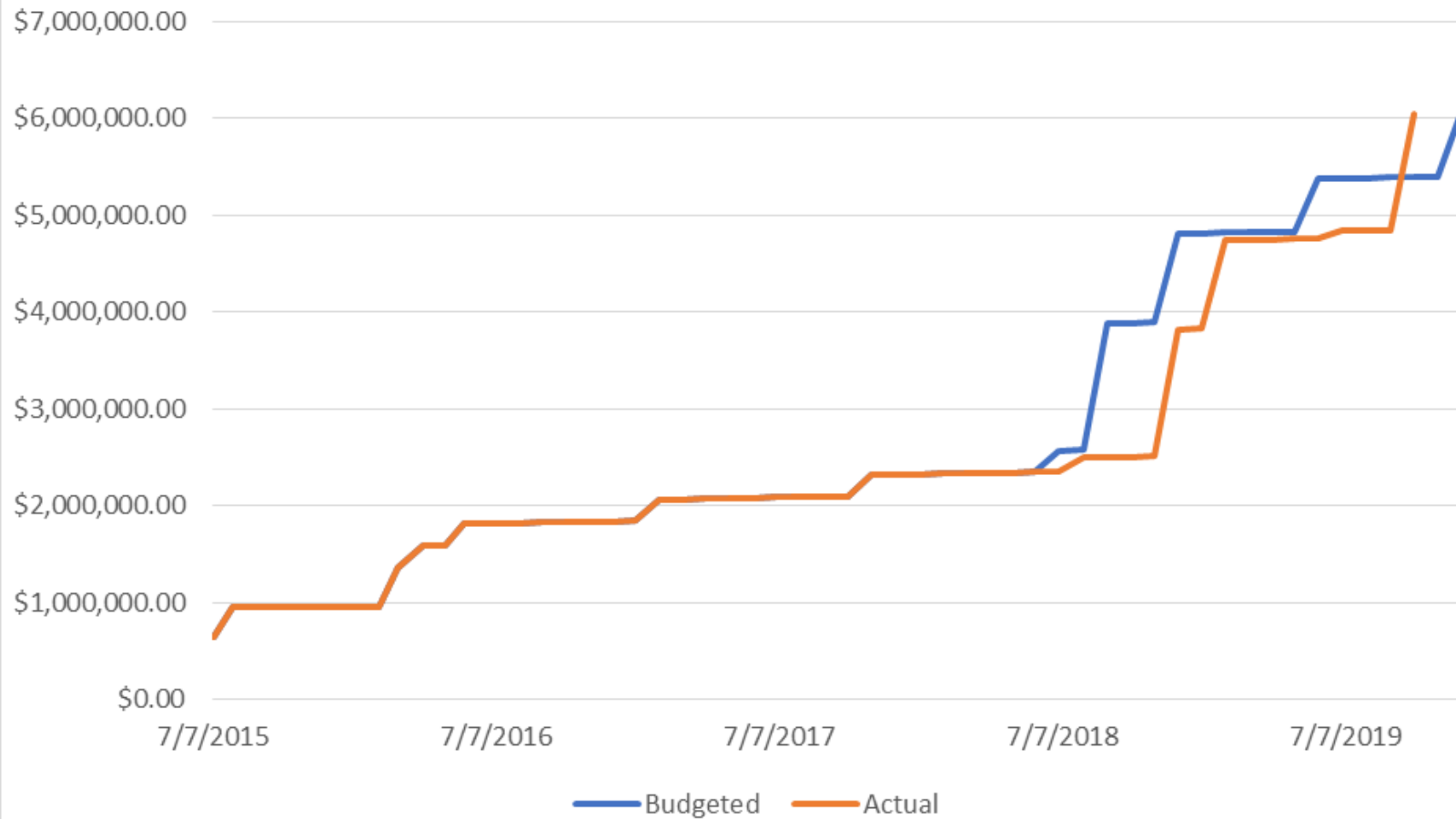
As of April 1, 2019



As of 4/1/2020



PAS SYSTEM (PENSIONGOLD V3) LRS
BUDGET AND CUMULATIVE ACTUAL PAYMENTS
FOR ALL YEARS



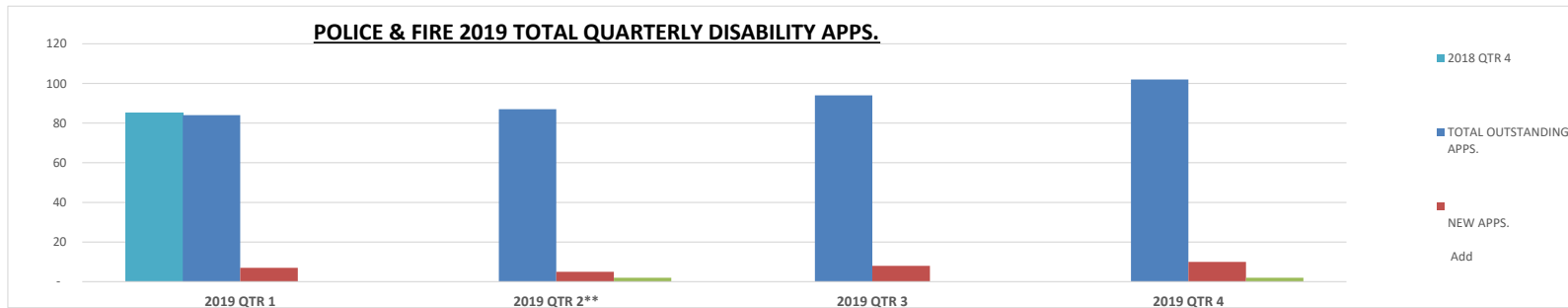
POLICE AND FIRE
2019 QUARTERLY DISABILITY STATISTICS

					BREAKOUT DETAIL OF "TOTAL OUTSTANDING APPS."						
QUARTERLY STATISTICS	NEW APPS. <u>Add</u>	<u>Interim Non-Service Connected Apps. (NSCD)</u> <u>NSCD Added in this Column Then subtracted in Completed Apps.</u> <u>Add</u>	<u>COMPLETED APPS.</u> <u>Subtract</u>	<u>TOTAL OUTSTANDING APPS.</u>	APPS. DEFERRED BY ATTORNEY OR APPLICANT	APPS. THAT ARE NOT MMI AND ARE NOT READY TO PROCEED	APPS. THAT ARE MMI AND ARE READY FOR INDEPENDENT MEDICAL EVALUATION (IME)	APPS. FOR WHICH IME EXAM IS DONE, IME REPORT IS REC'D. AND READY FOR BOARD MEDICAL ADVISOR REPORT	APPS. FOR WHICH BOARD MEDICAL ADVISOR REPORT WAS REC'D. AND ARE READY FOR COMMITTEE MEETING	APPS. FOR WHICH COMMITTEE DECISION WAS RENDERED AND READY TO GO TO THE BOARD	<u>TOTAL OUTSTANDING APPS.</u>
2018 QTR 4	4	1	3	85	25	46	3	6	2	3	85
2019 QTR 1	7	1	9**	84	27	51	4	2	0	0	84
2019 QTR 2**	5	0	2	87	27	54	2	1	3	0	87
2019 QTR 3	8	1	2**	94	29	60	4	0	0	1	94
2019 QTR 4	10	0	2	102	29	68	3	0	0	2	102

SOURCE: QUARTERLY STATISTICS REPORT

**2019 QTR 1: 9 Completed Apps. Includes 1 Interim NSCD App., and 2 Apps.
Withdrawn-Discontinued

**2019 QTR 3: 2 Completed Apps. Includes 1 Interim NSCD App.



**October-December 2019
Completed Applications Processing Times**

Month of Board Approval	Fire or Police	Service Connected Disability Retirement (SCD) or Non-Service-Connected Disability Retirement (NSCD)	Change of Status (COS) From Service Ret. to Disability Ret.	Days From App. Rec'd. to MMI	Days From MMI to IME Appl.	Days From IME Appl. to Med. Advisor Report	Days From Med. Advisor Report to Committee	Days From First Agenda Date to Final Board Date	Days From App. To Final Board	Approved or Denied	Notes
November, 2020	Police	SCD	No	27	163	39	48	94	371	Approved	Marcello Oliveri
November, 2020	Fire	SCD	Yes	410	171	139	348	31	1,099	Approved	Richard Toledo

SOURCE: DETAILED QUARTERLY STATISTICS REPORT

Appendix

- Investment Dashboard – Updated Quarterly
- Actuarial Dashboard – Updated Annually
- Accounting Dashboard – Updated Annually
- Information Technology Dashboard – Updated Quarterly
- Benefits Dashboard – Updated Quarterly

