January 1, 2017
Actuarial Valuation
of the
City of Fort Collins
General Employees'
Retirement Plan

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Agenda

- Overview of Results
- Review Data
 - Member Data
 - Financial Data
- Review Liabilities
- Funding Analysis (Resources vs. Obligations)
- Solvency Projections

Purposes of the Valuation

- Review demographic and financial experience
- Determine the funded status of the plan
- Provide financial reporting information pursuant to accounting standards

Overview of Results - Funding

		2017	2016
1.	Market Value (MV) of Assets	\$ 43,869,306	\$ 43,050,288
2.	Return on MV (Prior Year)	5.9%	-0.6%
3.	Discount Rate for Liabilities	6.50%	6.50%
4.	Present Value of Future Benefits	\$ 59,794,045	\$ 59,860,251
5.	Actuarial Liability (AL)	\$ 58,377,767	\$ 57,914,989
6.	Unfunded Actuarial Liability AL - MV	\$ 14,508,461	\$ 14,864,701
7.	Funded Ratio MV ÷ AL	75.15%	74.33%

Overview – GASB 67/68 Disclosure Information

	12/31/2016	12/31/2015
Discount Rate for Liability	6.50%	6.50%
8. Total Pension Liability (TPL)	\$ 58,377,767	\$ 57,914,989
9. Fiduciary Net Position (FNP)	\$ 43,869,306	\$ 43,050,288
10. Net Pension Liability (NPL)	\$ 14,508,461	\$ 14,864,701
11. FNP as a % of TPL	75.15%	74.33%

- Total Pension Liability calculated using a discount rate of 6.5%, the Plan's long-term expected rate of return assumption
- The use of the long-term expected rate of return assumption is based on Plan's Depletion Date Projection, which takes into account the current Fiduciary Net Position, projected net cash flow, and reliance on the adopted policy of supplemental contributions. If the Plan were projected to run out of money the Total Pension Liability would be calculated using a blended discount rate incorporating the current rates of 20-year tax-exempt municipal bonds. The 20-year Muni Bond rate was 3.78% at 12/31/2016.
- The Depletion Date Projection is reviewed annually based on factors such as the current Fiduciary Net Position and future anticipated level of contributions.

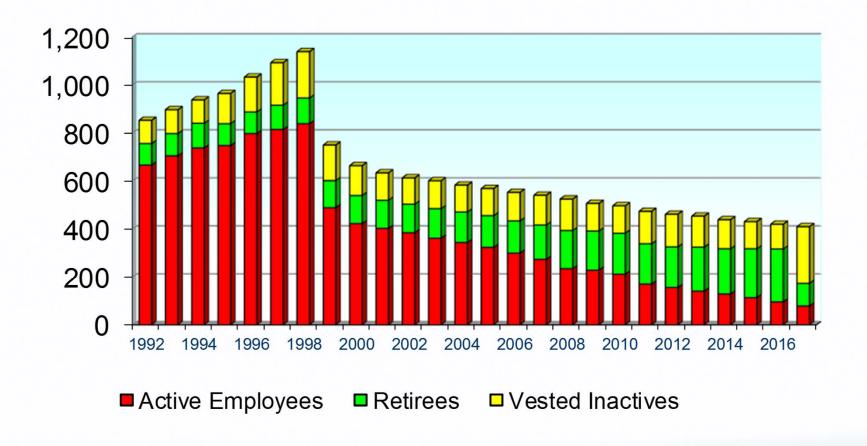


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		Term		
	Actives	Vested	Retired	Total
1/1/2016	95	103	222	420
Rehire	N/A	N/A	N/A	0
Terminations	(3)	3	N/A	0
Retirements	(12)	(9)	21	0
Deaths	(1)	(2)	(5)	(8)
Cash Outs	(1)	(1)	0	(2)
Other	<u>0</u>	<u>0</u>	<u>O</u>	<u>0</u>
Net Change	(17)	(9)	16	(10)
1/1/2017	78	94	238	410



Summary of Plan Participants



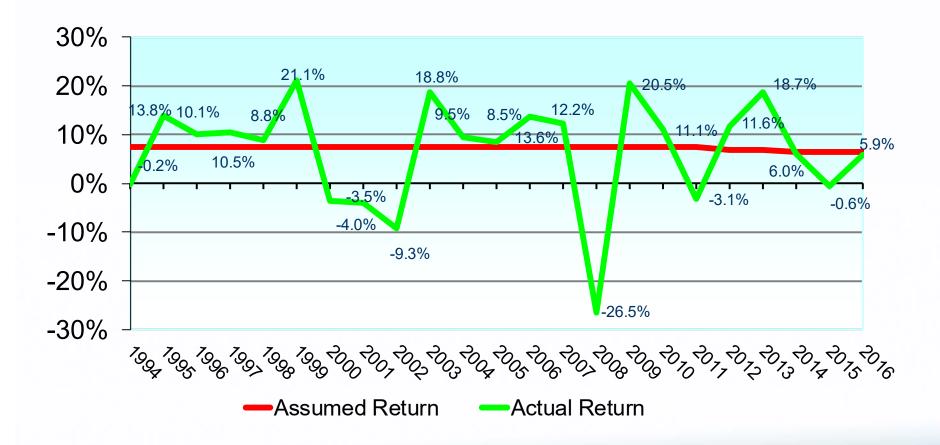


Financial Data - 2016

1. Market Value of Assets – 1/1/2016	\$ 43,050,288
2. Income	
a. Contributions	\$ 1,720,650
b. Income and appreciation	 2,496,848
c. Total	\$ 4,217,498
3. Disbursements	
a. Monthly benefits	\$ 3,191,027
b. Lump sum payments	176,708
c. Expenses	 30,745
d. Total	\$ 3,398,480
4. Net Increase/(Decrease)	\$ 819,018
5. Market Value of Assets – 1/1/2017	\$ 43,869,306



Return on Market Value of Assets Net of Investment Expenses*

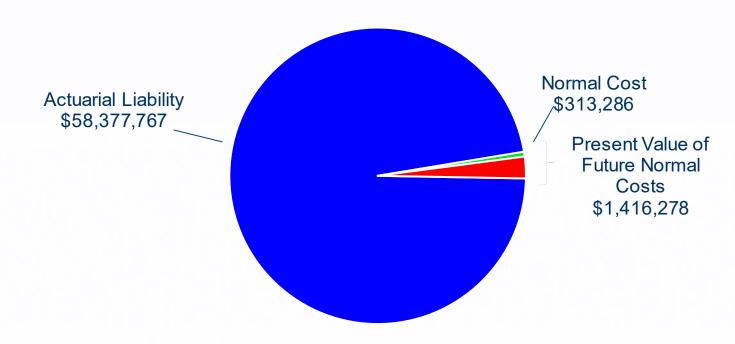


*Net of all expenses prior to 2014

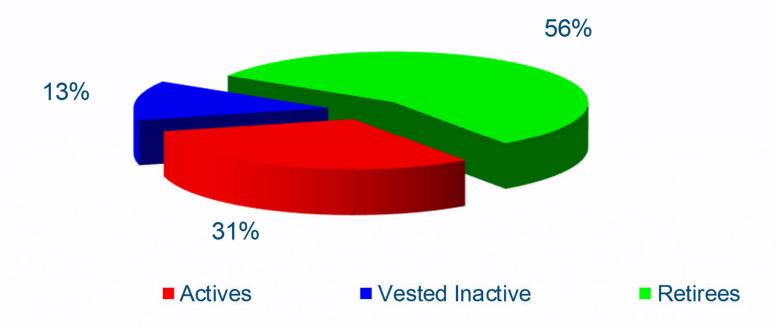


Entry Age Normal Cost Method

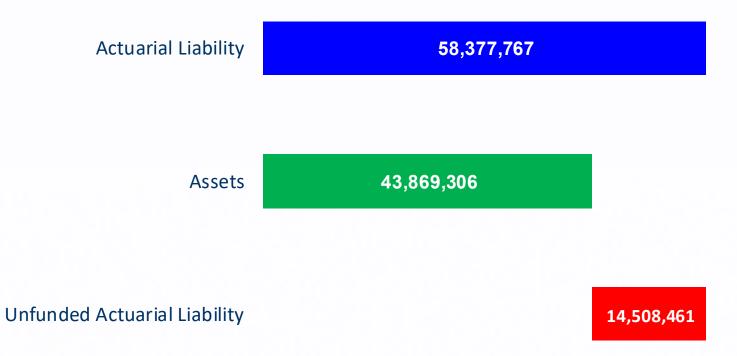




Actuarial Liability



Unfunded Actuarial Liability

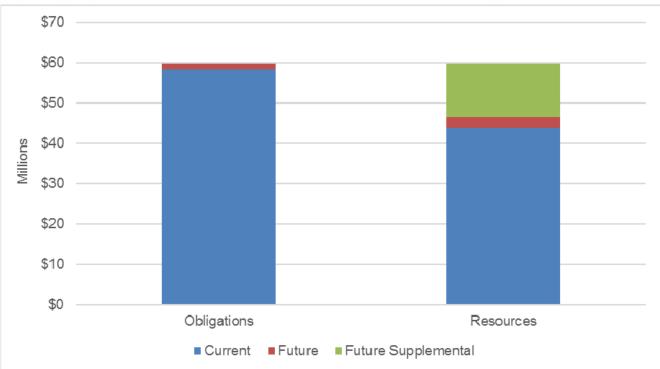


Gain/Loss

1. Actual UAL, 1/1/2016	\$ 14,864,701
2. Expected changes during 2016	 (369,056)
3. Expected UAL, 1/1/2017	\$ 14,495,645
Changes:	
4. Asset (gain)/loss	\$ 247,750
5. Salary change different than assumed	(162,585)
6. Pensioner Mortality Experience	(105,224)
7. Retirement and other terminations	(76,468)
8. Other demographic	(111,110)
9. Retirement Assumption Change	50,333
10. Lump Sum Election Assumption Change	 170,120
11. Total	\$ 12,816
12. Actual UAL, 1/1/2017	\$ 14,508,461



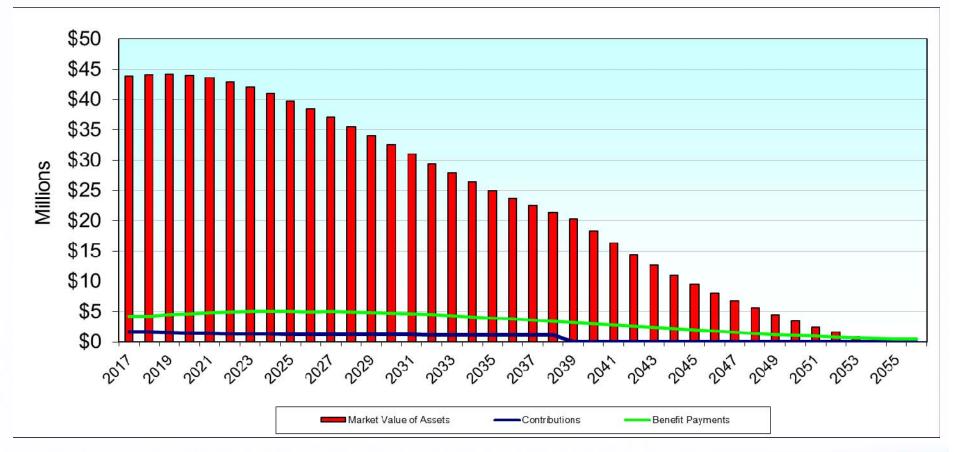
Summary of Resources and Obligations



- Obligations consist of the Actuarial Liability (Current) and the amount of the total liability attributable to future service, the Present Value of Future Normal Costs (Future)
- Resources consist of the current market value of assets (Current) and the present value of the future anticipated payroll contributions of 10.5% of compensation (Future)
- The difference of \$13.3 million is the amount anticipated to be funded through the supplemental contribution of \$1.12 million per year. This equates to about 22 years as of the valuation date.



Projection of Contributions, Benefit Payments, and Market Value of Assets



Assumes Market Value of Assets earns 6.5% per annum, and contributions are 10.5% of compensation. Includes excess contributions of \$1,120,000 for 2017- 2038.



Projection of Contributions, Benefit Payments, and Market Value of Assets

Year	Market Value	Expected Contribution	Benefit Payment	Year	Mark Valu	
2017	43,869,306	1,671,798	4,200,813	2037	22,461,50	
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2018	44,084,690	1,588,170	4,211,612	2038	21,304,253	
2019	44,215,955	1,524,571	4,505,308	2039	20,274,649	
2020	43,986,207	1,453,209	4,558,074	2040	18,245,039	
2021	43,612,709	1,408,189	4,797,795	2041	16,308,708	
2022	42,920,268	1,360,934	4,861,077	2042	14,425,309	
023	42,068,000	1,327,327	5,041,690	2043	12,660,078	
024	40,938,448	1,284,719	4,960,207	2044	11,008,210	
025	39,774,891	1,263,458	5,019,576	2045	9,469,697	
026	38,451,713	1,244,257	4,945,457	2046	8,040,732	
027	37,098,472	1,231,467	5,000,365	2047	6,724,965	
028	35,586,594	1,210,558	4,890,511	2048	5,515,492	
029	34,067,483	1,197,802	4,833,930	2049	4,406,350	
030	32,494,061	1,184,166	4,663,685	2050	3,390,420	
031	30,979,228	1,177,758	4,583,501	2051	2,459,640	
032	29,441,246	1,168,421	4,496,967	2052	1,605,562	
033	27,882,122	1,156,710	4,325,787	2053	819,592	
034	26,385,405	1,149,488	4,125,283	2054	92,833	
035	24,990,039	1,145,794	3,934,632	2055	0	
036	23,696,060	1,142,641	3,791,527	2056	0	

Assumes Market Value of Assets earns 6.5% per annum, and contributions are 10.5% of compensation. Includes excess contributions of \$1,120,000 for 2017 - 2038.



Certification

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 January 1, 2017 actuarial valuation report, including statements of reliance and limitations on use,
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- On the basis of the foregoing, we hereby certify that, to the best of our knowledge and belief, this report is complete and accurate and has been prepared in accordance with generally recognized and accepted actuarial principles and practices. We are members of the American Academy of Actuaries and meet the Qualification Standards to render the actuarial opinion contained herein.

