

Impact to COIC Annual Operating Budget:

Operating Expenses:	2014-2015 Prev. Year	2015-2016 Last Year	Estimate Current System	Estimate New System	*Notes
Staff Salaries					
Field Workers	\$17,128	\$16,955	\$17,000	\$3,000	*Assumed lower with new system, maintenance of ditch/right of way?
Officers	\$3,921	\$3,678	\$4,000	\$4,000	
New System Operations/Maintenance Mgr.				\$12,000	*Assumed 30% of Anchor report estimate of 1 FTE. Contracted?
Payroll expenses (taxes)	\$2,901	\$2,881	\$3,000	\$3,000	*Assumed the same, could be less if operations is contracted out.
Insurance	\$2,560	\$3,906	\$4,000	\$4,000	
Office & Administrative expenses	\$1,911	\$1,405	\$1,500	\$1,500	
Professional Fee (Acctg, Legal, Audit)	\$2,296	\$8,043	\$5,000	\$5,000	*was last year an anomaly?
Travel & Entertainment	\$153	\$399	\$500	\$500	
Utilities, Phones, Communication (printing/postage)	\$174	\$619	\$500	\$500	
Maintenance, Small Repairs, Supplies	\$3,819	\$1,725	\$5,000	\$1,000	*Assumed lower for new system. Current repair cost varies year-to-year.
Power costs				\$10,600	*Per Anchor report
Total Operating Budget	\$34,862	\$39,611	\$40,500	\$45,100	

*Overall, the new system operating costs maybe marginally higher (10% ?), primarily due to power costs, partially offset by lower repair costs.

*Labor cost with new system ranges from a little lower to a little higher depending on cost of outsourced operations manager.

*Projected new system operating costs appear to be covered by COIC current annual fee revenues.

*Major repairs and long-term replacement costs to be covered by New System Replacement Fund.

Long Term Funding of Maintenance & Replacement-Model 1

Objectives:

The model below attempts to validate the beginning fund amount necessary to cover all future replacement costs.

The model runs for 50 years and the validation test is to show the fund balance at the end of 50 years is equal to, or greater than the beginning fund balance, adjusted for inflation.

Cost assumptions are the same as the Anchor report, but the funding approach differs in that this funding model assumes a large upfront amount to fund future replacement costs, while the Anchor report assumes the COIC invests funds each year to fund future replacement, starting with a zero balance.

Assumptions:

Beginning Fund Principal	\$1,400,000	
Inflation	3%	
Investment Return	3%	
Net Return	0%	
Pipe & Infrastructure Life	50yrs	*Assume 25% of pipe and related infrastructure is replaced every 50 yrs
Pumps & Electrical	25yrs	*Assume 100% of pump and related electrical components every 25 yrs
Pipe & Infrastructure Cost	\$461,620	*Current cost of replacing 25% of pipe/infrastructure
Pumps & Electrical Cost	\$721,519	*Current cost of replacing 100% of pump/electrical

Year	1	2	3	4	5	6	7	8	9
Inflation Factor (from 1.00)	1.030	1.061	1.093	1.126	1.159	1.194	1.230	1.267	1.305

Replacement Costs:

	1	2	3	4	5	6	7	8	9
Pipe & Infrastructure									
Pumps & Electrical									
Total Replacement Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Principal Growth	\$1,442,000	\$1,485,260	\$1,529,818	\$1,575,712	\$1,622,984	\$1,671,673	\$1,721,823	\$1,773,478	\$1,826,682
less: future costs									
Fund Balance	\$1,442,000	\$1,485,260	\$1,529,818	\$1,575,712	\$1,622,984	\$1,671,673	\$1,721,823	\$1,773,478	\$1,826,682

Required Fund (adjusted for inflation)

flation.

10	11	12	13	14	15	16	17	18	19	20
1.344	1.384	1.426	1.469	1.513	1.558	1.605	1.653	1.702	1.754	1.806
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,881,483	\$1,937,927	\$1,996,065	\$2,055,947	\$2,117,626	\$2,181,154	\$2,246,589	\$2,313,987	\$2,383,406	\$2,454,908	\$2,528,556
\$1,881,483	\$1,937,927	\$1,996,065	\$2,055,947	\$2,117,626	\$2,181,154	\$2,246,589	\$2,313,987	\$2,383,406	\$2,454,908	\$2,528,556

21	22	23	24	25	26	27	28	29	30	31
1.860	1.916	1.974	2.033	2.094	2.157	2.221	2.288	2.357	2.427	2.500

				\$1,510,701						
\$0	\$0	\$0	\$0	\$1,510,701	\$0	\$0	\$0	\$0	\$0	\$0
\$2,604,412	\$2,682,545	\$2,763,021	\$2,845,912	\$2,931,289	\$1,463,206	\$1,507,102	\$1,552,315	\$1,598,885	\$1,646,851	\$1,696,257
\$2,604,412	\$2,682,545	\$2,763,021	\$2,845,912	\$1,420,589	\$1,463,206	\$1,507,102	\$1,552,315	\$1,598,885	\$1,646,851	\$1,696,257

32	33	34	35	36	37	38	39	40	41	42
2.575	2.652	2.732	2.814	2.898	2.985	3.075	3.167	3.262	3.360	3.461

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,747,145	\$1,799,559	\$1,853,546	\$1,909,152	\$1,966,427	\$2,025,420	\$2,086,182	\$2,148,768	\$2,213,231	\$2,279,628	\$2,348,016
\$1,747,145	\$1,799,559	\$1,853,546	\$1,909,152	\$1,966,427	\$2,025,420	\$2,086,182	\$2,148,768	\$2,213,231	\$2,279,628	\$2,348,016

43	44	45	46	47	48	49	50
3.565	3.671	3.782	3.895	4.012	4.132	4.256	4.384

							\$2,023,700
							\$3,163,071
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,186,771
\$2,418,457	\$2,491,011	\$2,565,741	\$2,642,713	\$2,721,995	\$2,803,654	\$2,887,764	\$2,974,397
							(\$5,186,771)
\$2,418,457	\$2,491,011	\$2,565,741	\$2,642,713	\$2,721,995	\$2,803,654	\$2,887,764	(\$2,212,374) *Balance after 50 years

\$6,137,468 *Required Balance to sustain funding

Long Term Funding of Maintenance & Replacement-Model 2

Objectives:

The model below attempt to validate the beginning fund amount necessary to cover all future replacement costs.

The model runs for 50 years and the validation test is to show the fund balance at the end of 50 years is equal to the beginning fund balance, adjusted for inflation.

Cost assumptions are the same as the Anchor report, but the funding approach differs in that this funding approach assumes a large upfront amount to fund future replacement costs, while the Anchor report assumes the COIC invests funds each year to fund future replacement, starting with a zero balance.

Assumptions:

Beginning Fund Principal	\$1,500,000	*Model below attempts to validate beginning fund necessary to cover all future replacement costs.
Inflation	3%	
Investment Return	5%	
Net Return	2%	
Pipe & Infrastructure Life	50yrs	*Assume 25% of pipe and related infrastructure is replaced every 50 yrs
Pumps & Electrical	25yrs	*Assume 100% of pump and related electrical components every 25 yrs
Pipe & Infrastructure Cost	\$461,620	*Current cost of replacing 25% of pipe/infrastructure
Pumps & Electrical Cost	\$721,519	*Current cost of replacing 100% of pump/electrical

Year	1	2	3	4	5	6	7	8	9
Inflation Factor (from 1.00)	1.030	1.061	1.093	1.126	1.159	1.194	1.230	1.267	1.305

Replacement Costs:

Pipe & Infrastructure									
Pumps & Electrical									
Total Replacement Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fund Growth	\$1,575,000	\$1,653,750	\$1,736,438	\$1,823,259	\$1,914,422	\$2,010,143	\$2,110,651	\$2,216,183	\$2,326,992
less: future costs									
Fund Balance	\$1,575,000	\$1,653,750	\$1,736,438	\$1,823,259	\$1,914,422	\$2,010,143	\$2,110,651	\$2,216,183	\$2,326,992

Required Fund (adjusted for inflation)

10	11	12	13	14	15	16	17	18	19	20
1.344	1.384	1.426	1.469	1.513	1.558	1.605	1.653	1.702	1.754	1.806

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,443,342	\$2,565,509	\$2,693,784	\$2,828,474	\$2,969,897	\$3,118,392	\$3,274,312	\$3,438,027	\$3,609,929	\$3,790,425	\$3,979,947
\$2,443,342	\$2,565,509	\$2,693,784	\$2,828,474	\$2,969,897	\$3,118,392	\$3,274,312	\$3,438,027	\$3,609,929	\$3,790,425	\$3,979,947

21	22	23	24	25	26	27	28	29	30	31
1.860	1.916	1.974	2.033	2.094	2.157	2.221	2.288	2.357	2.427	2.500

				\$1,510,701						
\$0	\$0	\$0	\$0	\$1,510,701	\$0	\$0	\$0	\$0	\$0	\$0
\$4,178,944	\$4,387,891	\$4,607,286	\$4,837,650	\$5,079,532	\$3,747,273	\$3,934,637	\$4,131,369	\$4,337,937	\$4,554,834	\$4,782,576
\$4,178,944	\$4,387,891	\$4,607,286	\$4,837,650	\$3,568,832	\$3,747,273	\$3,934,637	\$4,131,369	\$4,337,937	\$4,554,834	\$4,782,576

32	33	34	35	36	37	38	39	40	41	42
2.575	2.652	2.732	2.814	2.898	2.985	3.075	3.167	3.262	3.360	3.461

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,021,705	\$5,272,790	\$5,536,430	\$5,813,251	\$6,103,914	\$6,409,109	\$6,729,565	\$7,066,043	\$7,419,345	\$7,790,312	\$8,179,828
\$5,021,705	\$5,272,790	\$5,536,430	\$5,813,251	\$6,103,914	\$6,409,109	\$6,729,565	\$7,066,043	\$7,419,345	\$7,790,312	\$8,179,828

43	44	45	46	47	48	49	50
3.565	3.671	3.782	3.895	4.012	4.132	4.256	4.384

							\$2,023,700
							\$3,163,071
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,186,771
\$8,588,819	\$9,018,260	\$9,469,173	\$9,942,632	\$10,439,764	\$10,961,752	\$11,509,839	\$12,085,331
\$8,588,819	\$9,018,260	\$9,469,173	\$9,942,632	\$10,439,764	\$10,961,752	\$11,509,839	\$6,898,560 *Balance after 50 years

\$6,575,859 *Required Balance to sustain funding

US Inflation Calculator

Easily calculate how the buying power of the US dollar has changed from 1913-present; get inflation rates and inflation news

Search Inflation Rates: 1914-2016

This table of historical inflation rates displays monthly and annual rates from 1914 to 2016.

Rates of inflation are calculated using the current [Consumer Price Index](#) published [monthly](#) by the Bureau of Labor Statistics ([BLS](#)).

Table of Historical Inflation Rates by Month and Year (1914-2016 in %)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ave	Years
1914	2.0	1.0	1.0	0.0	2.1	1.0	1.0	3.0	2.0	1.0	1.0	1.0	1.0	
1915	1.0	1.0	0.0	2.0	2.0	2.0	1.0	(1.0)	(1.0)	1.0	1.0	2.0	1.0	
1916	3.0	4.0	6.1	6.0	5.9	6.9	6.9	7.9	9.9	10.8	11.7	12.6	7.9	100
1917	12.5	15.4	14.3	18.9	19.6	20.4	18.5	19.3	19.8	19.5	17.4	18.1	17.4	99
1918	19.7	17.5	16.7	12.7	13.3	13.1	18.0	18.5	18.0	18.5	20.7	20.4	18.0	98
1919	17.9	14.9	17.1	17.6	16.6	15.0	15.2	14.9	13.4	13.1	13.5	14.5	14.6	97
1920	17.0	20.4	20.1	21.6	21.9	23.7	19.5	14.7	12.4	9.9	7.0	2.6	15.6	96
1921	(1.6)	(5.6)	(7.1)	(10.8)	(14.1)	(15.8)	(14.9)	(12.8)	(12.5)	(12.1)	(12.1)	(10.8)	(10.5)	95
1922	(11.1)	(8.2)	(8.7)	(7.7)	(5.6)	(5.1)	(5.1)	(6.2)	(5.1)	(4.6)	(3.4)	(2.3)	(6.1)	94
1923	(0.6)	(0.6)	0.6	1.2	1.2	1.8	2.4	3.0	3.6	3.6	3.0	2.4	1.8	93
1924	3.0	2.4	1.8	0.6	0.6	0.0	(0.6)	(0.6)	(0.6)	(0.6)	(0.6)	0.0	0.0	92
1925	0.0	0.0	1.2	1.2	1.8	2.9	3.5	4.1	3.5	2.9	4.7	3.5	2.3	91
1926	3.5	4.1	2.9	4.1	2.9	1.1	(1.1)	(1.7)	(1.1)	(0.6)	(1.7)	(1.1)	1.1	90
1927	(2.2)	(2.8)	(2.8)	(3.4)	(2.2)	(0.6)	(1.1)	(1.1)	(1.1)	(1.1)	(2.3)	(2.3)	(1.7)	89
1928	(1.1)	(1.7)	(1.2)	(1.2)	(1.1)	(2.8)	(1.2)	(0.6)	0.0	(1.1)	(0.6)	(1.2)	(1.7)	88
1929	(1.2)	0.0	(0.6)	(1.2)	(1.2)	0.0	1.2	1.2	0.0	0.6	0.6	0.6	0.0	87
1930	0.0	(0.6)	(0.6)	0.6	(0.6)	(1.8)	(4.0)	(4.6)	(4.0)	(4.6)	(5.2)	(6.4)	(2.3)	86
1931	(7.0)	(7.6)	(7.7)	(8.8)	(9.5)	(10.1)	(9.0)	(8.5)	(9.6)	(9.7)	(10.4)	(9.3)	(9.0)	85
1932	(10.1)	(10.2)	(10.3)	(10.3)	(10.5)	(9.9)	(9.9)	(10.6)	(10.7)	(10.7)	(10.2)	(10.3)	(9.9)	84
1933	(9.8)	(9.9)	(10.0)	(9.4)	(8.0)	(6.6)	(3.7)	(2.2)	(1.5)	(0.8)	0.0	0.8	(5.1)	83
1934	2.3	4.7	5.6	5.6	5.6	5.5	2.3	1.5	3.0	2.3	2.3	1.5	3.1	82
1935	3.0	3.0	3.0	3.8	3.8	2.2	2.2	2.2	0.7	1.5	2.2	3.0	2.2	81
1936	1.5	0.7	0.0	(0.7)	(0.7)	0.7	1.5	2.2	2.2	2.2	1.4	1.4	1.5	80
1937	2.2	2.2	3.6	4.4	5.1	4.3	4.3	3.6	4.3	4.3	3.6	2.9	3.6	79
1938	0.7	0.0	(0.7)	(0.7)	(2.1)	(2.1)	(2.8)	(2.8)	(3.4)	(4.1)	(3.4)	(2.8)	(2.1)	78
1939	(1.4)	(1.4)	(1.4)	(2.8)	(2.1)	(2.1)	(2.1)	(2.1)	0.0	0.0	0.0	0.0	(1.4)	77
1940	(0.7)	0.7	0.7	1.4	1.4	2.2	1.4	1.4	(0.7)	0.0	0.0	0.7	0.7	76
1941	1.4	0.7	1.4	2.1	2.9	4.3	5.0	6.4	7.9	9.3	10.0	9.9	5.0	75

1942	11.3	12.1	12.7	12.6	13.2	10.9	11.6	10.7	9.3	9.2	9.1	9.0	10.9	74
1943	7.6	7.0	7.5	8.1	7.4	7.4	6.1	4.8	5.5	4.2	3.6	3.0	6.1	73
1944	3.0	3.0	1.2	0.6	0.0	0.6	1.7	2.3	1.7	1.7	1.7	2.3	1.7	72
1945	2.3	2.3	2.3	1.7	2.3	2.8	2.3	2.3	2.3	2.3	2.3	2.2	2.3	71
1946	2.2	1.7	2.8	3.4	3.4	3.3	9.4	11.6	12.7	14.9	17.7	18.1	8.3	70
1947	18.1	18.8	19.7	19.0	18.4	17.6	12.1	11.4	12.7	10.6	8.5	8.8	14.4	69
1948	10.2	9.3	6.8	8.7	9.1	9.5	9.9	8.9	6.5	6.1	4.8	3.0	8.1	68
1949	1.3	1.3	1.7	0.4	(0.4)	(0.8)	(2.9)	(2.9)	(2.4)	(2.9)	(1.7)	(2.1)	(1.2)	67
1950	(2.1)	(1.3)	(0.8)	(1.3)	(0.4)	(0.4)	1.7	2.1	2.1	3.8	3.8	5.9	1.3	66
1951	8.1	9.4	9.3	9.3	9.3	8.8	7.5	6.6	7.0	6.5	6.9	6.0	7.9	65
1952	4.3	2.3	1.9	2.3	1.9	2.3	3.1	3.1	2.3	1.9	1.1	0.8	1.9	64
1953	0.4	0.8	1.1	0.8	1.1	1.1	0.4	0.7	0.7	1.1	0.7	0.7	0.8	63
1954	1.1	1.5	1.1	0.8	0.7	0.4	0.4	0.0	(0.4)	(0.7)	(0.4)	(0.7)	0.7	62
1955	(0.7)	(0.7)	(0.7)	(0.4)	(0.7)	(0.7)	(0.4)	(0.4)	0.4	0.4	0.4	0.4	(0.4)	61
1956	0.4	0.4	0.4	0.7	1.1	1.9	2.2	1.9	1.9	2.2	2.2	3.0	1.5	60
1957	3.0	3.4	3.7	3.7	3.7	3.3	3.3	3.7	3.3	2.9	3.3	2.9	3.3	59
1958	3.6	3.2	3.6	3.6	3.2	2.8	2.5	2.1	2.1	2.1	2.1	1.8	2.8	58
1959	1.4	1.0	0.3	0.3	0.3	0.7	0.7	1.0	1.4	1.7	1.4	1.7	0.7	57
1960	1.0	1.7	1.7	1.7	1.7	1.7	1.4	1.4	1.0	1.4	1.4	1.4	1.7	56
1961	1.7	1.4	1.4	1.0	1.0	0.7	1.4	1.0	1.4	0.7	0.7	0.7	1.0	55
1962	0.7	1.0	1.0	1.3	1.3	1.3	1.0	1.3	1.3	1.3	1.3	1.3	1.0	54
1963	1.3	1.0	1.3	1.0	1.0	1.3	1.3	1.3	1.0	1.3	1.3	1.6	1.3	53
1964	1.6	1.6	1.3	1.3	1.3	1.3	1.3	1.0	1.3	1.0	1.3	1.0	1.3	52
1965	1.0	1.0	1.3	1.6	1.6	1.9	1.6	1.9	1.6	1.9	1.6	1.9	1.6	51
1966	1.9	2.6	2.6	2.9	2.9	2.5	2.8	3.5	3.5	3.8	3.8	3.5	2.9	50
1967	3.5	2.8	2.8	2.5	2.8	2.8	2.8	2.4	2.8	2.4	2.7	3.0	3.1	49
1968	3.6	4.0	3.9	3.9	3.9	4.2	4.5	4.5	4.5	4.7	4.7	4.7	4.2	48
1969	4.4	4.7	5.2	5.5	5.5	5.5	5.4	5.7	5.7	5.7	5.9	6.2	5.5	47
1970	6.2	6.1	5.8	6.1	6.0	6.0	6.0	5.4	5.7	5.6	5.6	5.6	5.7	46
1971	5.3	5.0	4.7	4.2	4.4	4.6	4.4	4.6	4.1	3.8	3.3	3.3	4.4	45
1972	3.3	3.5	3.5	3.5	3.2	2.7	2.9	2.9	3.2	3.4	3.7	3.4	3.2	44
1973	3.6	3.9	4.6	5.1	5.5	6.0	5.7	7.4	7.4	7.8	8.3	8.7	6.2	43
1974	9.4	10.0	10.4	10.1	10.7	10.9	11.5	10.9	11.9	12.1	12.2	12.3	11.0	42
1975	11.8	11.2	10.3	10.2	9.5	9.4	9.7	8.6	7.9	7.4	7.4	6.9	9.1	41
1976	6.7	6.3	6.1	6.0	6.2	6.0	5.4	5.7	5.5	5.5	4.9	4.9	5.8	40
1977	5.2	5.9	6.4	7.0	6.7	6.9	6.8	6.6	6.6	6.4	6.7	6.7	6.5	39
1978	6.8	6.4	6.6	6.5	7.0	7.4	7.7	7.8	8.3	8.9	8.9	9.0	7.6	38
1979	9.3	9.9	10.1	10.5	10.9	10.9	11.3	11.8	12.2	12.1	12.6	13.3	11.3	37
1980	13.9	14.2	14.8	14.7	14.4	14.4	13.1	12.9	12.6	12.8	12.6	12.5	13.5	36
1981	11.8	11.4	10.5	10.0	9.8	9.6	10.8	10.8	11.0	10.1	9.6	8.9	10.3	35
1982	8.4	7.6	6.8	6.5	6.7	7.1	6.4	5.9	5.0	5.1	4.6	3.8	6.2	34

1983	3.7	3.5	3.6	3.9	3.5	2.6	2.5	2.6	2.9	2.9	3.3	3.8	3.2	33
1984	4.2	4.6	4.8	4.6	4.2	4.2	4.2	4.3	4.3	4.3	4.1	3.9	4.3	32
1985	3.5	3.5	3.7	3.7	3.8	3.8	3.6	3.3	3.1	3.2	3.5	3.8	3.6	31
1986	3.9	3.1	2.3	1.6	1.5	1.8	1.6	1.6	1.8	1.5	1.3	1.1	1.9	30
1987	1.5	2.1	3.0	3.8	3.9	3.7	3.9	4.3	4.4	4.5	4.5	4.4	3.6	29
1988	4.0	3.9	3.9	3.9	3.9	4.0	4.1	4.0	4.2	4.2	4.2	4.4	4.1	28
1989	4.7	4.8	5.0	5.1	5.4	5.2	5.0	4.7	4.3	4.5	4.7	4.6	4.8	27
1990	5.2	5.3	5.2	4.7	4.4	4.7	4.8	5.6	6.2	6.3	6.3	6.1	5.4	26
1991	5.7	5.3	4.9	4.9	5.0	4.7	4.4	3.8	3.4	2.9	3.0	3.1	4.2	25
1992	2.6	2.8	3.2	3.2	3.0	3.1	3.2	3.1	3.0	3.2	3.0	2.9	3.0	24
1993	3.3	3.2	3.1	3.2	3.2	3.0	2.8	2.8	2.7	2.8	2.7	2.7	3.0	23
1994	2.5	2.5	2.5	2.4	2.3	2.5	2.8	2.9	3.0	2.6	2.7	2.7	2.6	22
1995	2.8	2.9	2.9	3.1	3.2	3.0	2.8	2.6	2.5	2.8	2.6	2.5	2.8	21
1996	2.7	2.7	2.8	2.9	2.9	2.8	3.0	2.9	3.0	3.0	3.3	3.3	3.0	20
1997	3.0	3.0	2.8	2.5	2.2	2.3	2.2	2.2	2.2	2.1	1.8	1.7	2.3	19
1998	1.6	1.4	1.4	1.4	1.7	1.7	1.7	1.6	1.5	1.5	1.5	1.6	1.6	18
1999	1.7	1.6	1.7	2.3	2.1	2.0	2.1	2.3	2.6	2.6	2.6	2.7	2.2	17
2000	2.7	3.2	3.8	3.1	3.2	3.7	3.7	3.4	3.5	3.4	3.4	3.4	3.4	16
2001	3.7	3.5	2.9	3.3	3.6	3.2	2.7	2.7	2.6	2.1	1.9	1.6	2.8	15
2002	1.1	1.1	1.5	1.6	1.2	1.1	1.5	1.8	1.5	2.0	2.2	2.4	1.6	14
2003	2.6	3.0	3.0	2.2	2.1	2.1	2.1	2.2	2.3	2.0	1.8	1.9	2.3	13
2004	1.9	1.7	1.7	2.3	3.1	3.3	3.0	2.7	2.5	3.2	3.5	3.3	2.7	12
2005	3.0	3.0	3.1	3.5	2.8	2.5	3.2	3.6	4.7	4.3	3.5	3.4	3.4	11
2006	4.0	3.6	3.4	3.5	4.2	4.3	4.1	3.8	2.1	1.3	2.0	2.5	3.2	10
2007	2.1	2.4	2.8	2.6	2.7	2.7	2.4	2.0	2.8	3.5	4.3	4.1	2.8	9
2008	4.3	4.0	4.0	3.9	4.2	5.0	5.6	5.4	4.9	3.7	1.1	0.1	3.8	8
2009	0.0	0.2	(0.4)	(0.7)	(1.3)	(1.4)	(2.1)	(1.5)	(1.3)	(0.2)	1.8	2.7	(0.4)	7
2010	2.6	2.1	2.3	2.2	2.0	1.1	1.2	1.1	1.1	1.2	1.1	1.5	1.6	6
2011	1.6	2.1	2.7	3.2	3.6	3.6	3.6	3.8	3.9	3.5	3.4	3.0	3.2	5
2012	2.9	2.9	2.7	2.3	1.7	1.7	1.4	1.7	2.0	2.2	1.8	1.7	2.1	4
2013	1.6	2.0	1.5	1.1	1.4	1.8	2.0	1.5	1.2	1.0	1.2	1.5	1.5	3
2014	1.6	1.1	1.5	2.0	2.1	2.1	2.0	1.7	1.7	1.7	1.3	0.8	1.6	2
2015	(0.1)	0.0	(0.1)	(0.2)	0.0	0.1	0.2	0.2	0.0	0.2	0.5	0.7	0.1	1
2016	1.4	1.0	0.9											



Averages	Percent
Last 10 Years	2.0
Last 25 Years	2.4
Last 50 Years	4.2
Last 100 Years	3.3