

*Pontiac*  
General Employees' Retirement System

City of Pontiac  
General Employees' Retirement System

Performance Review  
March 2018

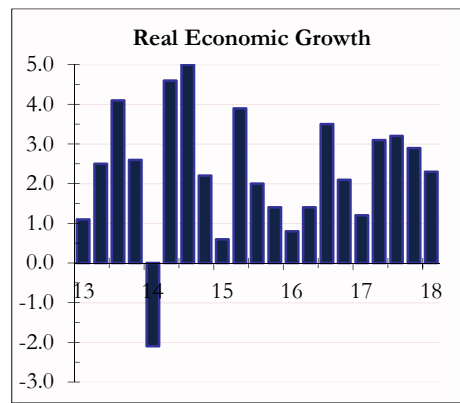


**DAHAB ASSOCIATES**  
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## ECONOMIC ENVIRONMENT

### The Good News Continued

Global expansion continued unabated into 2018. Domestically, there was lots of good news. Real GDP expanded 2.3% in the first



quarter, according to the BEA advance estimate, a slight deceleration from the fourth quarter's 2.9% growth. Job growth supported the GDP gain, averaging more than 200,000 during the quarter; this level of hiring took place despite a weather-related dip to 103,000 new jobs in March. Reflecting the

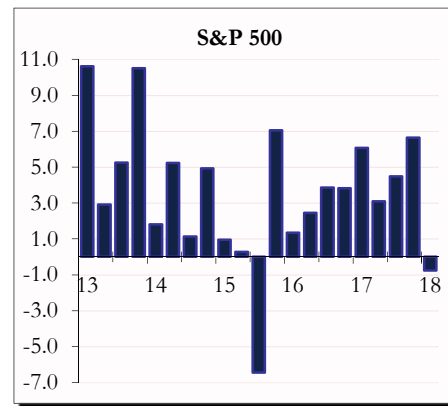
optimism, sales of new and existing homes were brisk and prices of each rose. Manufacturing and services output also expanded. In addition, the University of Michigan's Consumer Sentiment Index was the most positive in 14 years (101.4) and its Current Conditions Component Index stood at an all-time high (121.2). The Fed played its role by once again raising short-term rates from 1.5% to 1.75%. Core inflation reached an annualized 2.1% in March, just above the Fed's 2% sweet spot. Including food and energy, the annualized rate rose to 2.4%.

The economic picture was quite rosy for the first quarter, but there were some hiccups. Commodity prices for liquid natural gas and for many agricultural products temporarily swooned. A greater concern for the longer term was the Trump team's announcement of possible tariffs on steel, aluminum and a host of other products. That fueled uncertainty, leading to a rather chaotic quarter for stock and bond markets.

## DOMESTIC EQUITIES

### Volatility Rattled the Markets

There was no mistaking a pattern of clearly volatile S&P 500 returns. Most of January was uneventful, followed briefly by



inflation fears; next, investors felt that inflation was under control. That sense of relief gave way to worries over a likely tariff war. By the end of the quarter, investors relaxed again, viewing the tariff issue as nothing more than the opening salvo in trade negotiations. It was quite a ride and one seldom seen in

the previous nine years of bull market.

The intra-quarter volatility resulted in the S&P's 0.8% loss, as well as the Dow's 2.0% loss. However, the NASDAQ managed a positive 2.6% return as tech stocks provided ballast. Growth stocks again bested value stocks in all size categories. For example, the Russell 1000 Growth Index was up 1.4%, while the Russell 1000 Value Index was down 2.8%. In the small-cap space, the Russell 2000 Growth Index gained 2.3% vs. 2.6% in lost return for the Russell 2000 Value. Overall, small caps performed modestly better than their mid-cap or large-cap counterparts, but most stocks paused from their 2017 upward paths.

Consumer service stocks earned the highest return (+5.1%). The computer technology sector, bolstered by Amazon, Netflix and Microsoft, posted a 4% gain. However, all other sectors were in the red. Higher interest rates hurt utility stocks, which were off 4.5%; falling liquid natural gas prices drove energy stocks down 5.1%;

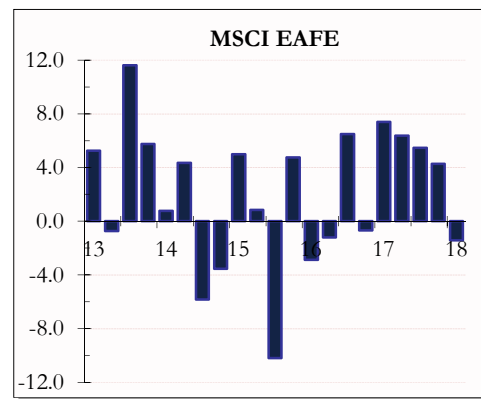
and the specter of a looming trade war sent basic industrial stocks tumbling 6.6%. Finally, REIT prices continued to struggle (-8.5%), impacted by interest rate hikes and especially by retail store closings.

## INTERNATIONAL EQUITIES

### US Pullback Dampened Overseas Markets

Many economies around the world were either ramping up or continuing to do well. The GDPs of China, Japan, the Euro region and lately, Brazil, led the way. Consumer spending, rising exports and currency strength vs. the US dollar generally helped those economies. Nonetheless, the volatility in US markets affected the bourses of most countries.

For the quarter, the MSCI EAFE Index dipped 1.4%. Markets in the Eurozone, the UK, Australia and the Pacific region all slipped.

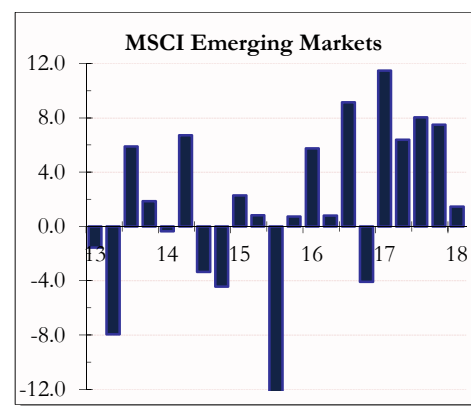


Within the Eurozone, the Italian market did surprisingly well (+5.4%), reflecting consumer confidence and job growth despite its hung parliament. French stocks were slightly positive (+0.4%), even as unions tested President Macron's reforms. German shares fell 3.5% after five

months of political uncertainty, heedless of its strong economy. On the other hand, Spanish shares fell just 1.7%, with economic gains offsetting Catalan independence issues. The UK market dropped 3.9% as it continued to grapple with Brexit issues.

The Australian market slumped 6.1% amid lower construction investment and weak bank shares. In the Pacific, Singapore stood out with the highest GDP growth rate in three years. Its market moved up 2.8%, accordingly. Japan (+1.0%) experienced the lowest unemployment rate in two decades! That milestone plus an expanding manufacturing sector pushed back against a surging Yen (and effectively raised export prices). Hong Kong shares eased back 1.4%. The Israel market was hit by a series of government corruption scandals that sent shares tumbling 5.3%. Canada sank 7.2% amid declining consumer purchases, NAFTA re-negotiations and a dramatically weakening currency.

EM market returns varied all over the lot, but overall inched up 1.5%. Among the big four BRIC countries, there were surprises. Brazil continued its turnaround, climbing 12.5%, led by strong



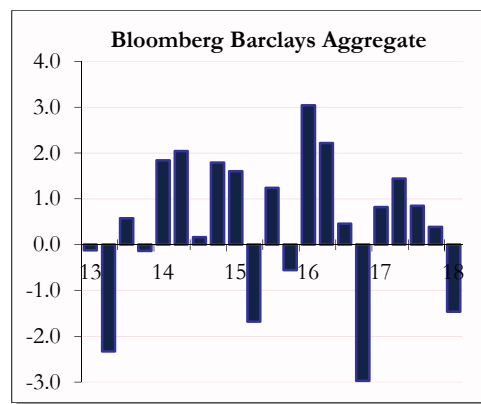
business confidence. Shares of Brazil's state-owned Petrobras rocketed 38% on the strength of rising oil prices. Russia provided another surprise, gaining 9.4% despite new global sanctions. India's shares dropped 7%, largely due to fraud scandals at its public sector banks. China's shares, which gained 1.8%, benefited from sustained economic growth and rising middle class consumer spending.

## BOND MARKET

### Rates Rose and Prices Fell (Modestly)

As expected, the Federal Reserve Board raised the Fed funds rate to a range of 1.5% - 1.75%. As a result, the yield curve rose along all maturities and bond prices fell accordingly. Returns were modestly negative except in the ultra-short space (where they were modestly positive) and the very long space (where they were significantly negative). As inflation fears subsided, the yield curve flattened at the long end.

The Barclays Aggregate Index returned -1.5%. Treasuries, representing the largest fraction of the index, declined 1.2%.



Mortgage-backed issues did the same. However, 20-year and longer Treasury issues fell 3.4%. Corporate bond returns were also in the red (-2.1%). AAA names fell 1.1%, while single A issues were down 2.5%. High yield credits held up under the pressure, losing an average of just 0.9%; low default

rates acted as a floor for high yield prices.

The G-6 Index (sovereign bonds among six developed economies) actually climbed 4.9% due largely to their strengthening currencies vs. the US dollar. Canada was the only G-6 component to decline (-2.4%), reflecting both its weakened currency and faltering economy. Emerging market bond losses were muted, easing back 1.5%; generally, stronger currencies and economies dampened losses for EM securities.

## CASH EQUIVALENTS

### Another Fed Rate Hike Helped

A higher 90-day T-bill return was attributable to the latest Fed funds increase — the fourth since early last year. The T-bill gave investors 0.33% for the quarter and just over 1% for the fiscal year. With more Fed funds increases likely this year, cash equivalents are finally providing at least some return to ultra-conservative investors.

## Economic Statistics

	Current Quarter	Previous Quarter
GDP	2.3	2.9
Unemployment	4.1	4.1
CPI All Items Year/Year	2.1	2.4
Fed Funds Rate	1.75	1.50
Industrial Capacity	78.0	77.3
US Dollars per Euro	1.23	1.20

## Major Index Quarter Returns

Index	Quarter	Year
Russell 3000	-0.6	13.8
S&P 500	-0.8	14.0
Russell Midcap	-0.5	12.2
Russell 2000	-0.1	11.8
MSCI EAFE	-1.4	15.3
MSCI Emg Markets	1.4	25.3
NCREIF ODCE	2.2	8.1
U.S. Aggregate	-1.5	1.2
90 Day T-bills	0.4	1.2

## Domestic Equity Return Distributions

	Quarter			Trailing Year		
	VAL	COR	GRO	VAL	COR	GRO
LC	-2.8	-0.7	1.4	6.9	14.0	21.3
MC	-2.5	-0.5	2.2	6.5	12.2	19.7
SC	-2.6	-0.1	2.3	5.2	11.8	18.6

## Market Summary

- The BEA estimates a 2.3% growth for GDP in the first quarter.
- Unemployment remained at 4.1%.
- Year over year CPI for all items expanded 2.4%.
- The dollar weakened slightly relative to the euro
- Growth continued to outperform value in the stock market. Smaller cap stocks fared better than large and mid-sized companies.

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System was valued at \$498,608,194, a decrease of \$8,730,955 from the December ending value of \$507,339,149. Last quarter, the account recorded total net withdrawals of \$7,137,117 in addition to \$1,593,838 in net investment losses. The fund's net investment loss was a result of income receipts totaling \$2,369,073 and realized and unrealized capital losses totaling \$3,962,911.

## **RELATIVE PERFORMANCE**

### **Total Fund**

During the first quarter, the total portfolio lost 0.3%, which ranked in the 48th percentile of the Public Fund universe. Over the trailing twelve-month period, the portfolio returned 11.2%, which ranked in the 25th percentile. Since March 2008, the account returned 7.8% annualized and ranked in the 4th percentile.

### **Domestic Equity**

The domestic equity portfolio returned -0.8% last quarter; that return was 0.2% less than the Russell 3000 Index's return of -0.6% and ranked in the 57th percentile of the Domestic Equity universe. Over the trailing year, the domestic equity portfolio returned 14.3%; that return was 0.5% above the benchmark's 13.8% return, ranking in the 41st percentile. Since March 2008, this component returned 9.8% per annum and ranked in the 64th percentile. For comparison, the Russell 3000 returned an annualized 9.6% over the same time frame.

### **International Equity**

For the first quarter, the international equity segment returned 0.5%, which was 1.9% above the MSCI EAFE Index's return of -1.4% and ranked in the 39th percentile of the International Equity universe. Over the trailing year, this segment returned 14.9%, which was 0.4% less than the benchmark's 15.3% return, and ranked in the 79th percentile. Since March 2008, this component returned 2.7% on an annualized

basis and ranked in the 93rd percentile. The MSCI EAFE Index returned an annualized 3.2% over the same time frame.

### **Private Equity**

In the first quarter, the private equity component returned 1.8%, which was 1.8% greater than the Cambridge US Private Equity's return of 0.0%. Over the trailing twelve-month period, this component returned 12.4%, which was 0.8% less than the benchmark's 13.2% return. Since March 2008, this component returned -0.7% annualized, while the Cambridge US Private Equity returned an annualized 10.0% over the same time frame.

### **Real Estate**

During the first quarter, the real estate portion of the portfolio returned 2.5%, which was 0.3% above the NCREIF NFI-ODCE Index's return of 2.2%.

### **Global Fixed Income**

The global fixed income segment returned 3.4% during the first quarter; that return was 0.7% above the Bloomberg Barclays Global Government Bond's return of 2.7% and ranked in the 1st percentile of the Broad Market Fixed Income universe. Over the trailing twelve months, the global fixed income portfolio returned 10.9%, 2.7% greater than the benchmark's 8.2% performance, ranking in the 2nd percentile.

### **Domestic Fixed Income**

During the first quarter, the domestic fixed income segment returned -0.6%, which was 0.9% greater than the Bloomberg Barclays Aggregate Index's return of -1.5% and ranked in the 39th percentile of the Broad Market Fixed Income universe. Over the trailing twelve months, the domestic fixed income portfolio returned 1.1%, which was 0.1% less than the benchmark's 1.2% return, and ranked in the 76th percentile. Since March 2008, this component returned 3.9% annualized and ranked in the 57th percentile. The Bloomberg Barclays Aggregate Index returned an annualized 3.6% over the same period.

**EXECUTIVE SUMMARY****PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year
<b>Total Portfolio - Gross</b>	-0.3	11.2	6.5	8.8	8.5	7.8
<i>PUBLIC FUND RANK</i>	(48)	(25)	(43)	(16)	(14)	(4)
<b>Total Portfolio - Net</b>	-0.4	10.6	6.0	8.2	7.9	7.2
SHADOW INDEX	-0.8	10.9	7.3	9.2	9.1	7.6
<b>Domestic Equity - Gross</b>	-0.8	14.3	8.6	11.9	11.4	9.8
<i>DOMESTIC EQUITY RANK</i>	(57)	(41)	(63)	(65)	(63)	(64)
Russell 3000	-0.6	13.8	10.2	13.0	12.4	9.6
<b>International Equity - Gross</b>	0.5	14.9	9.6	9.7	6.2	2.7
<i>INTERNATIONAL EQUITY RANK</i>	(39)	(79)	(39)	(26)	(59)	(93)
MSCI EAFE	-1.4	15.3	6.0	7.0	5.8	3.2
<b>Private Equity - Gross</b>	1.8	12.4	3.6	10.1	9.8	-0.7
Cambridge PE	0.0	13.2	11.0	12.6	12.4	10.0
<b>Real Estate - Gross</b>	2.5	----	----	----	----	----
<b>Global Fixed Income - Gross</b>	3.4	10.9	----	----	----	----
<i>BROAD MARKET FIXED RANK</i>	(1)	(2)	----	----	----	----
Global Gov Index	2.7	8.2	3.5	1.1	1.4	2.0
<b>Domestic Fixed Income - Gross</b>	-0.6	1.1	0.1	0.9	2.6	3.9
<i>BROAD MARKET FIXED RANK</i>	(39)	(76)	(99)	(90)	(73)	(57)
Aggregate Index	-1.5	1.2	1.2	1.8	2.9	3.6

**ASSET ALLOCATION**

Domestic Equity	54.4%	\$ 271,034,385
Int'l Equity	15.7%	78,180,417
Private Equity	2.5%	12,268,214
Real Estate	5.0%	25,169,271
Global Fixed	0.6%	2,859,584
Domestic Fixed	20.7%	103,401,343
Cash	1.1%	5,694,980
<b>Total Portfolio</b>	<b>100.0%</b>	<b>\$ 498,608,194</b>

**INVESTMENT RETURN**

Market Value 12/2017	\$ 507,339,149
Contribs / Withdrawals	-7,137,117
Income	2,369,073
Capital Gains / Losses	-3,962,911
Market Value 3/2018	\$ 498,608,194

## EXECUTIVE SUMMARY - USING LAGGED PRIVATE EQUITY DATA

## PERFORMANCE SUMMARY

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year
<b>Total Portfolio</b>	-0.2	11.2	6.5	8.8	8.4	7.8
<i>PUBLIC FUND RANK</i>	(44)	(26)	(43)	(16)	(18)	(4)
SHADOW INDEX	-0.7	11.1	7.3	9.3	9.1	7.4
<b>Domestic Equity</b>	-0.8	14.3	8.6	11.9	11.4	9.8
<i>DOMESTIC EQUITY RANK</i>	(57)	(41)	(63)	(65)	(63)	(64)
Russell 3000	-0.6	13.8	10.2	13.0	12.4	9.6
<b>International Equity</b>	0.5	14.9	9.6	9.7	6.2	2.7
<i>INTERNATIONAL EQUITY RANK</i>	(39)	(79)	(39)	(26)	(59)	(93)
MSCI EAFE	-1.4	15.3	6.0	7.0	5.8	3.2
<b>Private Equity</b>	4.1	10.7	4.2	10.3	1.7	-0.8
Cambridge PE (Lag)	5.2	17.6	12.0	13.6	13.2	9.8
<b>Real Estate</b>	2.5	----	----	----	----	----
NCREIF ODCE	2.2	8.1	10.0	11.4	11.8	5.1
<b>Global Fixed Income</b>	3.4	10.9	----	----	----	----
<i>BROAD MARKET FIXED RANK</i>	(1)	(2)	----	----	----	----
Global Gov Index	2.7	8.2	3.5	1.1	1.4	2.0
<b>Domestic Fixed Income</b>	-0.6	1.1	0.1	0.9	2.6	3.9
<i>BROAD MARKET FIXED RANK</i>	(39)	(76)	(99)	(90)	(73)	(57)
Aggregate Index	-1.5	1.2	1.2	1.8	2.9	3.6

## ASSET ALLOCATION

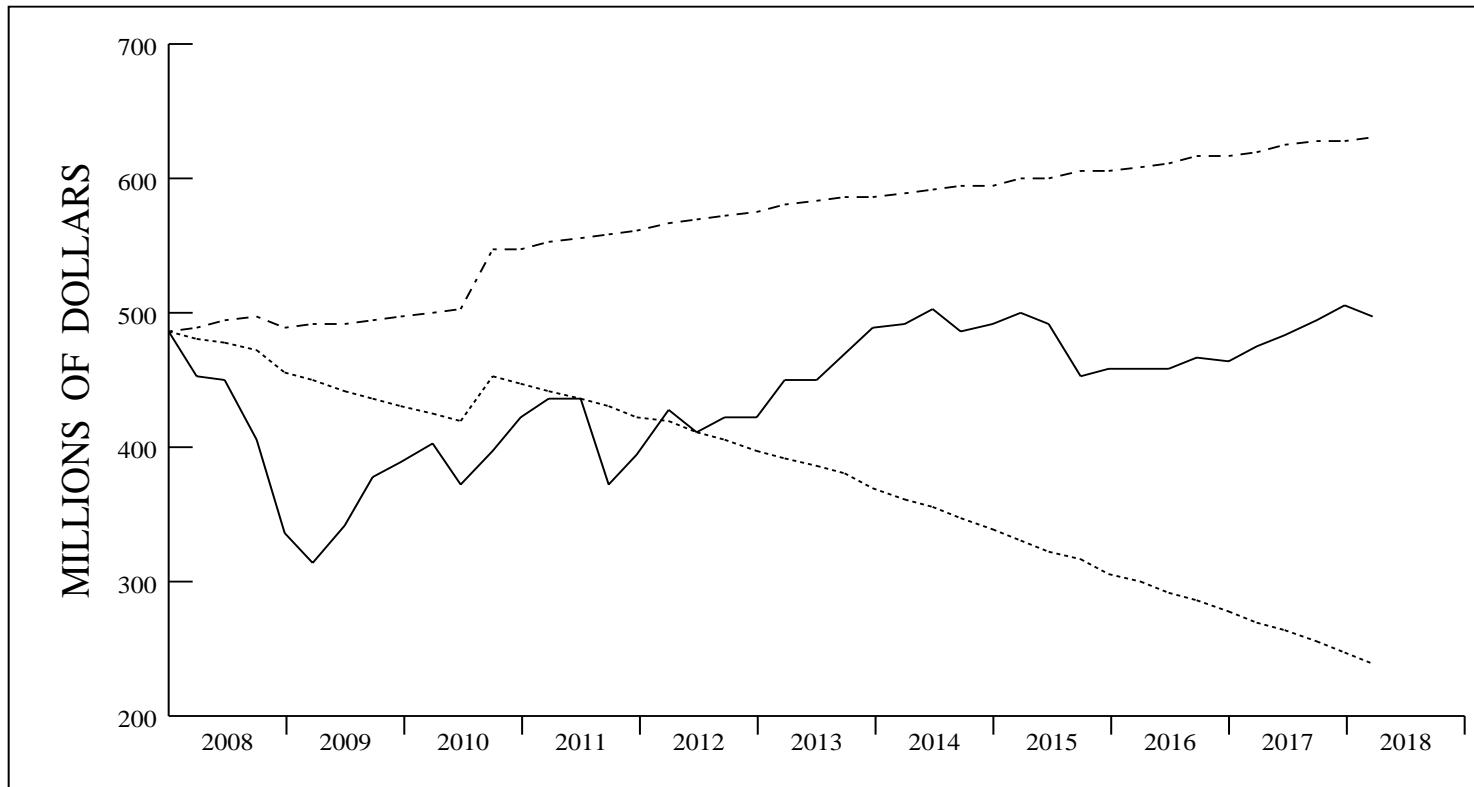
Domestic Equity	54.3%	\$ 271,034,385
Int'l Equity	15.7%	78,180,417
Private Equity	2.5%	12,655,018
Real Estate	5.0%	25,169,271
Global Fixed	0.6%	2,859,584
Domestic Fixed	20.7%	103,401,343
Cash	1.1%	5,694,980
<b>Total Portfolio</b>	<b>100.0%</b>	<b>\$ 498,994,998</b>

## INVESTMENT RETURN

Market Value 12/2017	\$ 507,196,649
Contribs / Withdrawals	-6,883,700
Income	2,369,073
Capital Gains / Losses	-3,687,024
Market Value 3/2018	\$ 498,994,998



**INVESTMENT GROWTH**



— ACTUAL RETURN  
 - - - 7.0%  
 . . . 0.0%

VALUE ASSUMING  
 7.0% RETURN \$ 633,314,000

	LAST QUARTER	PERIOD 12/07 - 3/18
BEGINNING VALUE	\$ 507,339,149	\$ 487,814,824
NET CONTRIBUTIONS	- 7,137,117	-247,405,586
<u>INVESTMENT RETURN</u>	<u>- 1,593,838</u>	<u>258,198,956</u>
ENDING VALUE	\$ 498,608,194	\$ 498,608,194
INCOME	2,369,073	63,044,378
<u>CAPITAL GAINS (LOSSES)</u>	<u>- 3,962,911</u>	<u>195,154,579</u>
INVESTMENT RETURN	- 1,593,838	258,198,956

**PONTIAC GENERAL EMPLOYEES RETIREMENT SYSTEM  
ASSET ALLOCATIONS AND TARGETS  
AS OF MARCH 2018**

<b>Asset Class</b>	<b>Market Value</b>	<b>% of Total Portfolio</b>	<b>Target</b>	<b>+ / -</b>	<b>Range</b>
<b>Total Portfolio</b>	<b>\$ 498,608,194</b>	<b>100%</b>			
Equity (Excluding PE)	\$ 349,214,802	70.0%	55%	15.0%	50 - 60%
Domestic Large Cap	\$ 125,822,634	25.2%	20%	5.2%	15 - 25%
Domestic Mid Cap	\$ 84,127,083	16.9%	15%	1.9%	10 - 20%
Domestic Small Cap	\$ 61,084,668	12.3%	10%	2.3%	8 - 12%
Developed Intertational	\$ 78,180,417	15.7%	5%	10.7%	3 - 7%
Emerging Markets	\$ -	0.0%	5%	-5.0%	3 - 7%
Private Equity	\$ 12,268,214	2.5%	10%	-7.5%	7 - 12%
Real Estate	\$ 25,169,271	5.0%	10%	-5.0%	7 - 12%
Fixed Income	\$ 106,260,927	21.3%	25%	-3.7%	20 - 30%
Cash	\$ 5,694,980	1.1%	0%	1.1%	0 - 5%

**PONTIAC GENERAL EMPLOYEES RETIREMENT SYSTEM  
PA 314 COMPLIANCE  
AS OF MARCH 2018**

<b>Category</b>	<b>Market Value</b>	<b>% of Total Portfolio</b>	<b>Allocation Limit</b>	<b>+ / -</b>	<b>Compliance</b>	<b>Target</b>
<b>Stocks &amp; Global Securities</b>	<b>\$ 349,214,802</b>	<b>70.0%</b>	<b>70%</b>	<b>0.0%</b>	<b>YES</b>	<b>55%</b>
First Eagle	\$ 40,861,555	8.2%				
Attucks Emerging Manager	\$ 56,247,760	11.3%				
Sawgrass	\$ 36,535,782	7.3%				
Attucks Michigan	\$ 33,039,092	6.6%				
Victory Capital	\$ 41,662,205	8.4%				
Systematic	\$ 42,464,878	8.5%				
Kennedy SCC	\$ 20,802,512	4.2%				
Kennedy SCG	\$ 14,551,725	2.9%				
Loomis Sayles	\$ 25,730,431	5.2%				
WCM	\$ 37,318,862	7.5%				
<b>Real Estate</b>	<b>\$ 25,169,271</b>	<b>5.0%</b>	<b>10%</b>	<b>-5.0%</b>	<b>YES</b>	<b>10%</b>
Intercontinental	\$ 5,148,848	1.0%				
Invesco Core RE	\$ 8,302,274	1.7%				
Principal	\$ 11,718,149	2.4%				
<b>Basket Clause</b>	<b>\$ 81,158,624</b>	<b>16.3%</b>	<b>20%</b>	<b>-3.7%</b>	<b>YES</b>	<b>N/A</b>
First Eagle	\$ 40,861,555	8.2%				
Intercontinental	\$ 5,148,848	1.0%				
Invesco Core RE	\$ 8,302,274	1.7%				
Principal	\$ 11,718,149	2.4%				
Consequent I	\$ 5,545,568	1.1%				
Invesco V	\$ 1,887,262	0.4%				
Mesirow IV	\$ 3,056,213	0.6%				
Mesirow VI	\$ 1,779,171	0.4%				
Brandywine	\$ 2,859,584	0.6%				
<b>Holdings &gt; 5% of Market Cap</b>	<b>\$ -</b>	<b>0.0%</b>	<b>0%</b>	<b>0.0%</b>	<b>YES</b>	<b>0%</b>

**CITY OF PONTIAC GENERAL EMPLOYEES RETIREMENT SYSTEM**  
**TOP TWENTY STOCK HOLDINGS AS OF MARCH 31, 2018**

	<b>Name</b>	<b>Ticker</b>	<b>Sector</b>	<b>Market Cap</b>	<b>Market Value</b>	<b>%</b>
1	Apple Inc	AAPL	Computer Technology	851,318	\$5,125,343	1.0%
2	Microsoft Corp	MSFT	Computer Technology	702,760	\$3,890,110	0.8%
3	Alphabet Inc-Cl A	GOOGL	Computer Technology	309,579	\$3,408,042	0.7%
4	Johnson & Johnson	JNJ	Non Dur Consumer Goods	343,780	\$2,510,202	0.5%
5	Jpmorgan Chase & Co	JPM	Finance	375,043	\$2,136,497	0.4%
6	Home Depot Inc	HD	Consumer Service	206,272	\$2,059,385	0.4%
7	Mastercard Inc - A	MA	Service	181,684	\$2,032,557	0.4%
8	Berkshire Hathaway Inc-Cl B	BRK/B	Finance	268,295	\$2,000,186	0.4%
9	Western Digital Corp	WDC	Computer Technology	27,456	\$1,698,598	0.3%
10	Cisco Systems Inc	CSCO	Computer Technology	206,623	\$1,631,750	0.3%
11	Intel Corp	INTC	Computer Technology	243,109	\$1,630,312	0.3%
12	Unitedhealth Group Inc	UNH	Consumer Service	207,080	\$1,581,460	0.3%
13	Verizon Communications Inc	VZ	Utilities	197,256	\$1,555,585	0.3%
14	Exelon Corp	EXC	Utilities	37,644	\$1,550,804	0.3%
15	Citizens Financial Group	CFG	Finance	20,474	\$1,541,296	0.3%
16	Bank Of America Corp	BAC	Finance	306,618	\$1,522,922	0.3%
17	Oracle Corp	ORCL	Computer Technology	186,766	\$1,498,130	0.3%
18	Verisk Analytics Inc	VRSK	Service	17,162	\$1,486,160	0.3%
19	Tjx Companies Inc	TJX	Consumer Service	51,571	\$1,407,562	0.3%
20	Comcast Corp-Class A	CMCSA	Service	158,380	\$1,401,858	0.3%

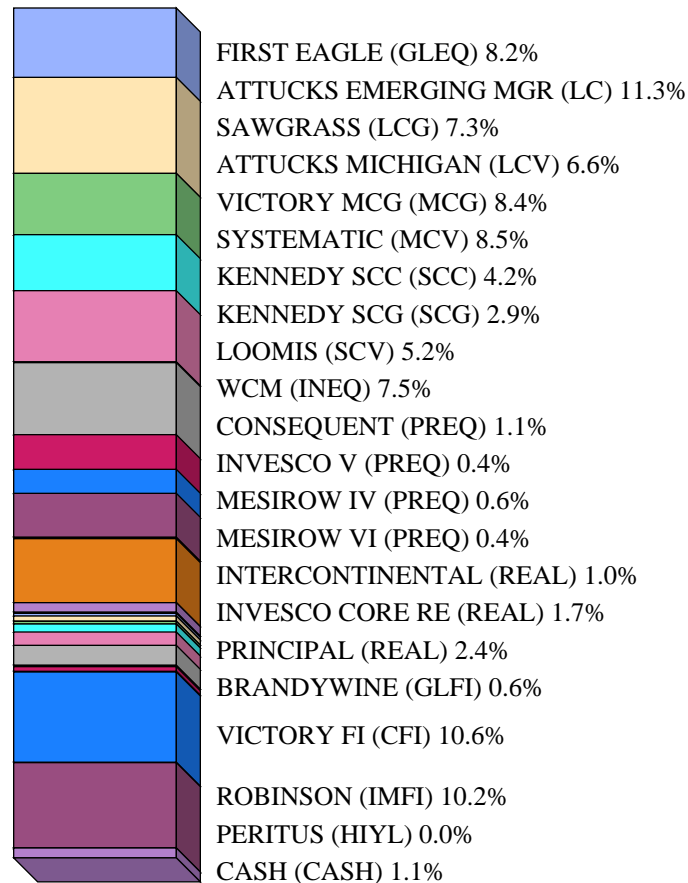
*Percentages shown are out of the total portfolio. Market capitalization is expressed in millions.*

**CITY OF PONTIAC GENERAL EMPLOYEES RETIREMENT SYSTEM**  
**TOP TWENTY FIXED INCOME HOLDINGS AS OF MARCH 31, 2018**

	<b>Name</b>	<b>Coupon</b>	<b>Maturity</b>	<b>Quality</b>	<b>Type</b>	<b>Market Value</b>	<b>%</b>
1	TSY INFL IX N/B	0.250	6.79	USG	GOVT	\$5,118,050	1.0%
2	US TREASURY N/B	1.750	5.12	USG	GOVT	\$3,888,932	0.8%
3	US TREASURY N/B	1.750	4.17	USG	GOVT	\$2,997,436	0.6%
4	US TREASURY N/B	3.000	29.87	USG	GOVT	\$2,718,407	0.5%
5	US TREASURY N/B	2.000	7.37	USG	GOVT	\$2,530,135	0.5%
6	US TREASURY N/B	2.625	2.62	USG	GOVT	\$2,515,625	0.5%
7	US TREASURY N/B	1.625	7.87	USG	GOVT	\$2,306,450	0.5%
8	US TREASURY N/B	1.500	8.37	USG	GOVT	\$2,269,250	0.5%
9	US TREASURY N/B	1.625	2.66	USG	GOVT	\$2,231,093	0.4%
10	STRIPS	0.000	8.37	N/A	CORP	\$1,979,750	0.4%
11	US TREASURY N/B	2.000	3.87	USG	GOVT	\$1,964,540	0.4%
12	US TREASURY N/B	2.625	0.08	USG	GOVT	\$1,501,185	0.3%
13	US TREASURY N/B	2.875	25.12	USG	GOVT	\$1,483,479	0.3%
14	US TREASURY N/B	2.250	8.87	USG	GOVT	\$1,441,695	0.3%
15	FN BD3667	3.500	8.51	USG	MTGE	\$1,294,235	0.3%
16	FN AS8781	3.000	9.26	USG	MTGE	\$1,202,285	0.2%
17	FNR 2017-15 KD	2.500	6.68	USG	MTGE	\$1,161,488	0.2%
18	FN AS7003	3.000	9.03	USG	MTGE	\$1,086,538	0.2%
19	FN 466507	3.490	2.52	USG	MTGE	\$1,060,901	0.2%
20	HAROT 2015-3 A4	1.560	0.58	N/A	MTGE	\$994,640	0.2%

*Percentages shown are out of the total portfolio.*

**MANAGER ALLOCATION SUMMARY**



Name	Market Value	Percent
First Eagle (GLEQ)	\$40,861,555	8.2
Attucks Emerging Mgr (LC)	\$56,247,760	11.3
Sawgrass (LCG)	\$36,535,782	7.3
Attucks Michigan (LCV)	\$33,039,092	6.6
Victory MCG (MCG)	\$41,662,205	8.4
Systematic (MCV)	\$42,464,878	8.5
Kennedy SCC (SCC)	\$20,802,512	4.2
Kennedy SCG (SCG)	\$14,551,725	2.9
Loomis (SCV)	\$25,730,431	5.2
WCM (INEQ)	\$37,318,862	7.5
Consequent (PREQ)	\$5,545,568	1.1
Invesco V (PREQ)	\$1,887,262	0.4
Mesirow IV (PREQ)	\$3,056,213	0.6
Mesirow VI (PREQ)	\$1,779,171	0.4
Intercontinental (REAL)	\$5,148,848	1.0
Invesco Core RE (REAL)	\$8,302,274	1.7
Principal (REAL)	\$11,718,149	2.4
Brandywine (GLFI)	\$2,859,584	0.6
Victory FI (CFI)	\$52,769,015	10.6
Robinson (IMFI)	\$50,630,884	10.2
Peritus (HIYL)	\$1,444	0.0
Cash (CASH)	\$5,694,980	1.1
<b>Total</b>	<b>\$498,608,194</b>	<b>100.0</b>

**PONTIAC GENERAL EMPLOYEES RETIREMENT SYSTEM  
MANAGER PERFORMANCE SUMMARY AS OF MARCH 2018**

Portfolio	Universe	Quarter		1 Year		3 Years		5 Years		7 Years		10 Years	
<b>Total Portfolio Return</b>	<b>(Public Fund)</b>	<b>-0.3</b>	<b>(48)</b>	<b>11.2</b>	<b>(25)</b>	<b>6.5</b>	<b>(43)</b>	<b>8.8</b>	<b>(16)</b>	<b>8.5</b>	<b>(14)</b>	<b>7.8</b>	<b>(4)</b>
<b>Total Portfolio Returns net of fees</b>		<b>-0.3</b>		<b>10.8</b>		<b>6.0</b>		<b>8.2</b>		<b>7.9</b>		<b>7.2</b>	
<b>Total Portfolio Shadow Index</b>		<b>-0.8</b>		<b>10.9</b>		<b>7.3</b>		<b>9.2</b>		<b>9.1</b>		<b>7.6</b>	
First Eagle	(Global Equity)	-1.1	(55)	7.1	(89)	7.1	(73)	7.6	(86)	----	----	----	----
First Eagle net of fees		-1.3		6.3		6.3		6.8		----		----	
<b>MSCI All Country World</b>		<b>-0.8</b>		<b>15.4</b>		<b>8.7</b>		<b>9.8</b>		<b>8.5</b>		<b>6.2</b>	
Attucks Emerging Mgr	(Large Cap)	-0.5	(44)	17.7	(27)	9.5	(62)	12.5	(64)	----	----	----	----
Attucks Emerging Mgr net of fees		-0.6		17.0		8.8		11.8		----		----	
<b>S&amp;P 500</b>		<b>-0.8</b>		<b>14.0</b>		<b>10.8</b>		<b>13.3</b>		<b>12.7</b>		<b>9.5</b>	
Sawgrass	(Large Cap Growth)	0.7	(73)	16.1	(82)	9.9	(78)	13.3	(77)	13.5	(46)	10.1	(70)
Sawgrass net of fees		0.6		15.5		9.3		12.7		12.9		9.7	
<b>Russell 1000 Growth</b>		<b>1.4</b>		<b>21.3</b>		<b>12.9</b>		<b>15.5</b>		<b>14.1</b>		<b>11.3</b>	
Attucks Michigan	(Large Cap Value)	-1.4	(32)	12.6	(31)	9.2	(42)	12.3	(42)	----	----	----	----
Attucks Michigan net of fees		-1.5		11.9		8.5		11.6		----		----	
<b>Russell 1000 Value</b>		<b>-2.8</b>		<b>6.9</b>		<b>7.9</b>		<b>10.8</b>		<b>11.0</b>		<b>7.8</b>	
Victory Mid Cap	(Mid Cap Growth)	-0.1	(89)	17.3	(72)	7.4	(79)	11.8	(86)	11.5	(64)	9.7	(89)
Victory Mid Cap net of fees		-0.2		16.9		7.0		11.4		11.1		9.5	
<b>Russell Mid Cap Growth</b>		<b>2.2</b>		<b>19.7</b>		<b>9.2</b>		<b>13.3</b>		<b>11.9</b>		<b>10.6</b>	
Systematic	(Mid Cap Value)	-3.2	(88)	10.6	(35)	7.5	(60)	10.1	(85)	9.5	(94)	9.4	(92)
Systematic net of fees		-3.3		10.0		7.0		9.6		9.0		9.0	
<b>Russell Mid Cap Value</b>		<b>-2.5</b>		<b>6.5</b>		<b>7.2</b>		<b>11.1</b>		<b>11.2</b>		<b>9.8</b>	
Kennedy Small Cap Core	(Small Cap Core)	-1.0	(73)	13.9	(34)	7.7	(78)	11.0	(86)	10.6	(77)	11.2	(41)
Kennedy Small Cap Core net of fees		-1.2		12.7		6.6		9.9		9.5		10.5	
<b>Russell 2000</b>		<b>-0.1</b>		<b>11.8</b>		<b>8.4</b>		<b>11.5</b>		<b>10.4</b>		<b>9.8</b>	
Kennedy Small Cap Growth	(Small Cap Growth)	2.9	(50)	18.3	(58)	10.9	(38)	----	----	----	----	----	----
Kennedy Small Cap Growth net of fees		2.7		17.3		10.0		----		----		----	
<b>Russell 2000 Growth</b>		<b>2.3</b>		<b>18.6</b>		<b>8.7</b>		<b>12.9</b>		<b>11.3</b>		<b>10.9</b>	
Loomis	(Small Cap Value)	-2.0	(53)	7.9	(55)	8.6	(50)	11.8	(49)	11.1	(51)	11.8	(28)
Loomis net of fees		-2.2		7.1		7.9		11.0		10.4		11.2	
<b>Russell 2000 Value</b>		<b>-2.6</b>		<b>5.2</b>		<b>7.9</b>		<b>10.0</b>		<b>9.4</b>		<b>8.6</b>	

**PONTIAC GENERAL EMPLOYEES RETIREMENT SYSTEM  
MANAGER PERFORMANCE SUMMARY AS OF MARCH 2018**

Portfolio	Universe	Quarter		1 Year		3 Years		5 Years		7 Years		10 Years	
WCM	(International Equity)	1.9	(21)	22.8	(37)	12.0	(19)	----	----	----	----	----	----
WCM net of fees		1.8		21.9		11.2		----		----		----	
<i>MSCI All Country World Ex US Net</i>		<b>-1.2</b>		<b>16.5</b>		<b>6.2</b>		<b>5.9</b>		<b>4.3</b>		<b>2.7</b>	
Consequent I		2.6		6.9		-5.0		4.5		----		----	
Consequent I net of fees		2.3		5.8		-5.9		3.4		----		----	
<i>Cambridge Private Equity</i>		----		<b>13.2</b>		<b>11.0</b>		<b>12.6</b>		<b>12.4</b>		<b>10.0</b>	
Invesco V		----		19.7		11.8		15.1		15.4		13.7	
Invesco V net of fees		-0.2		18.7		10.8		14.1		14.2		11.8	
<i>Cambridge Private Equity</i>		----		<b>13.2</b>		<b>11.0</b>		<b>12.6</b>		<b>12.4</b>		<b>10.0</b>	
Mesirow IV		2.3		20.9		14.7		17.0		15.7		11.3	
Mesirow IV net of fees		2.0		19.8		11.8		15.2		13.4		7.5	
<i>Cambridge Private Equity</i>		----		<b>13.2</b>		<b>11.0</b>		<b>12.6</b>		<b>12.4</b>		<b>10.0</b>	
Mesirow VI		----		7.5		8.7		----		----		----	
Mesirow VI net of fees		----		5.9		4.3		----		----		----	
<i>Cambridge Private Equity</i>		----		<b>13.2</b>		<b>11.0</b>		<b>12.6</b>		<b>12.4</b>		<b>10.0</b>	
Intercontinental US REIF		2.8		----		----		----		----		----	
Intercontinental US REIF net of fees		2.5		----		----		----		----		----	
<i>NCREIF NFI-ODCE Index</i>		<b>2.2</b>		<b>8.1</b>		<b>10.0</b>		<b>11.4</b>		<b>11.8</b>		<b>5.1</b>	
Invesco Core RE		2.5		----		----		----		----		----	
Invesco Core RE net of fees		2.2		----		----		----		----		----	
<i>NCREIF NFI-ODCE Index</i>		<b>2.2</b>		<b>8.1</b>		<b>10.0</b>		<b>11.4</b>		<b>11.8</b>		<b>5.1</b>	
Principal RE		2.3		----		----		----		----		----	
Principal RE net of fees		1.9		----		----		----		----		----	
<i>NCREIF NFI-ODCE Index</i>		<b>2.2</b>		<b>8.1</b>		<b>10.0</b>		<b>11.4</b>		<b>11.8</b>		<b>5.1</b>	
Brandywine	(Global Fixed Income)	4.2	(2)	11.8	(7)	----	----	----	----	----	----	----	----
Brandywine net of fees		4.1		11.3		----		----		----		----	
<i>Bloomberg Barclays Global Gov</i>		<b>2.7</b>		<b>8.2</b>		<b>3.5</b>		<b>1.1</b>		<b>1.4</b>		<b>2.0</b>	
Victory Fixed Income	(Core Fixed Income)	-1.2	(30)	1.6	(54)	1.3	(73)	2.1	(58)	3.3	(53)	4.0	(69)
Victory Fixed Income net of fees		-1.3		1.3		1.0		1.7		3.0		3.7	
<i>Bloomberg Barclays Aggregate</i>		<b>-1.5</b>		<b>1.2</b>		<b>1.2</b>		<b>1.8</b>		<b>2.9</b>		<b>3.6</b>	
Robinson	(Intermediate Fixed)	0.1	(1)	0.5	(91)	1.1	(77)	1.6	(54)	2.7	(44)	----	----
Robinson net of fees		0.0		0.3		0.9		1.4		2.5		----	
<i>Bloomberg Barclays Int. Gov/Cred</i>		<b>-1.0</b>		<b>0.4</b>		<b>0.9</b>		<b>1.2</b>		<b>2.2</b>		<b>2.9</b>	



**PONTIAC GENERAL EMPLOYEES RETIREMENT SYSTEM  
ATTUCKS PERFORMANCE SUMMARY AS OF MARCH 2018**

Portfolio	Universe	Quarter		1 Year		3 Years		5 Years	
<b>Attucks Emerging Mgr</b>	<b>(Large Cap)</b>	<b>-0.5</b>	<b>(44)</b>	<b>17.7</b>	<b>(27)</b>	<b>9.5</b>	<b>(62)</b>	<b>12.5</b>	<b>(64)</b>
Net of mgr fees & gross of Attucks fees		-0.6		17.3		9.1		12.2	
<b>Attucks Emerging Mgr net of all fees</b>		<b>-0.6</b>		<b>17.0</b>		<b>8.8</b>		<b>11.8</b>	
<i>S&amp;P 500</i>		<i>-0.8</i>		<i>14.0</i>		<i>10.8</i>		<i>13.3</i>	
Ativo	(Large Cap Core)	0.4	(26)	16.7	(26)	10.3	(47)	12.8	(64)
Ativo net of fees		0.4		16.4		10.0		12.4	
<i>S&amp;P 500</i>		<i>-0.8</i>		<i>14.0</i>		<i>10.8</i>		<i>13.3</i>	
Matarin	(Large Cap Core)	0.2	(29)	20.5	(5)	----	----	----	----
Matarin net of fees		0.1		20.1		----		----	
<i>S&amp;P 500</i>		<i>-0.8</i>		<i>14.0</i>		<i>10.8</i>		<i>13.3</i>	
Piedmont	(Large Cap Core)	-3.3	(98)	13.6	(59)	7.5	(89)	11.8	(82)
Piedmont net of fees		-3.4		13.2		7.2		11.4	
<i>S&amp;P 500</i>		<i>-0.8</i>		<i>14.0</i>		<i>10.8</i>		<i>13.3</i>	
Oakbrook	(Large Cap Growth)	1.4	(65)	21.7	(44)	13.6	(22)	16.3	(25)
Oakbrook net of fees		1.3		21.3		13.3		16.0	
<i>Russell 1000 Growth</i>		<i>1.4</i>		<i>21.3</i>		<i>12.9</i>		<i>15.5</i>	
<b>Attucks Michigan</b>	<b>(Large Cap Value)</b>	<b>-1.4</b>	<b>(32)</b>	<b>12.6</b>	<b>(31)</b>	<b>9.2</b>	<b>(42)</b>	<b>12.3</b>	<b>(42)</b>
Net of mgr fees & gross of Attucks fees		-1.4		12.3		8.8		11.9	
<b>Attucks Michigan net of fees</b>		<b>-1.5</b>		<b>11.9</b>		<b>8.5</b>		<b>11.6</b>	
<i>Russell 1000 Value</i>		<i>-2.8</i>		<i>6.9</i>		<i>7.9</i>		<i>10.8</i>	
NorthPointe	(Large Cap Value)	-2.3	(62)	11.3	(41)	7.7	(74)	11.4	(63)
NorthPointe net of fees		-2.4		10.9		7.4		11.1	
<i>Russell 1000 Value</i>		<i>-2.8</i>		<i>6.9</i>		<i>7.9</i>		<i>10.8</i>	
Seizert	(Large Cap Value)	-0.5	(14)	12.3	(33)	10.9	(13)	13.5	(14)
Seizert net of fees		-0.6		12.0		10.6		13.2	
<i>Russell 1000 Value</i>		<i>-2.8</i>		<i>6.9</i>		<i>7.9</i>		<i>10.8</i>	

## MANAGER VALUE ADDED

1 Quarter	Portfolio	Benchmark	1 Year
-0.3	First Eagle	MSCI AC World	-8.3
0.3	Attucks Emerging Mgr	S&P 500	3.7
-0.7	Sawgrass	Russell 1000G	-5.2
1.4	Attucks Michigan	Russell 1000V	5.7
-2.3	Victory MCG	Russ Mid Gro	-2.4
-0.7	Systematic	Russ Mid Val	4.1
-0.9	Kennedy SCC	Russell 2000	2.1
0.6	Kennedy SCG	Russell 2000G	-0.3
0.6	Loomis	Russell 2000V	2.7
3.1	WCM	ACWI Ex US Net	6.3
2.6	Consequent	Cambridge PE	-6.3
0.0	Invesco V	Cambridge PE	6.5
2.3	Mesirow IV	Cambridge PE	7.7
0.0	Mesirow VI	Cambridge PE	-5.7
0.6	Intercontinental	NCREIF ODCE	N/A
0.3	Invesco Core RE	NCREIF ODCE	N/A
0.1	Principal	NCREIF ODCE	N/A
1.5	Brandywine	Global Gov Index	3.6
0.3	Victory FI	Aggregate Index	0.4
1.1	Robinson	Int Gov/Credit	0.1
0.5	<b>Total Portfolio</b>	<b>Shadow Index</b>	<b>0.3</b>

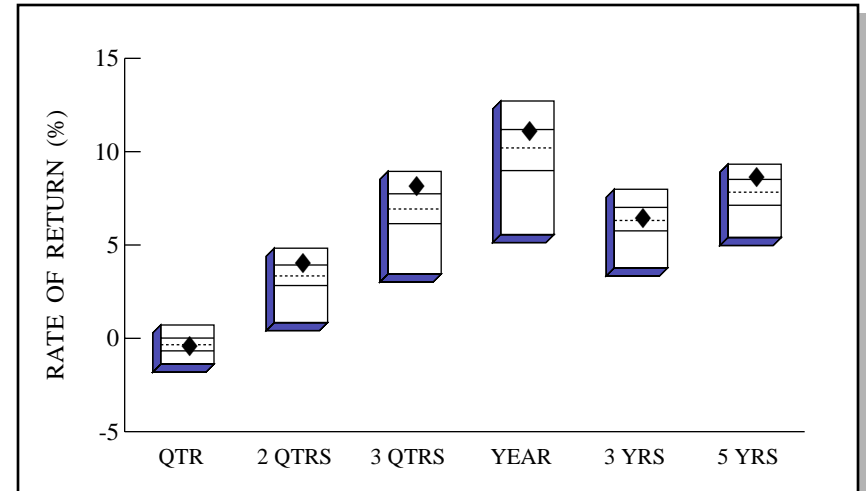
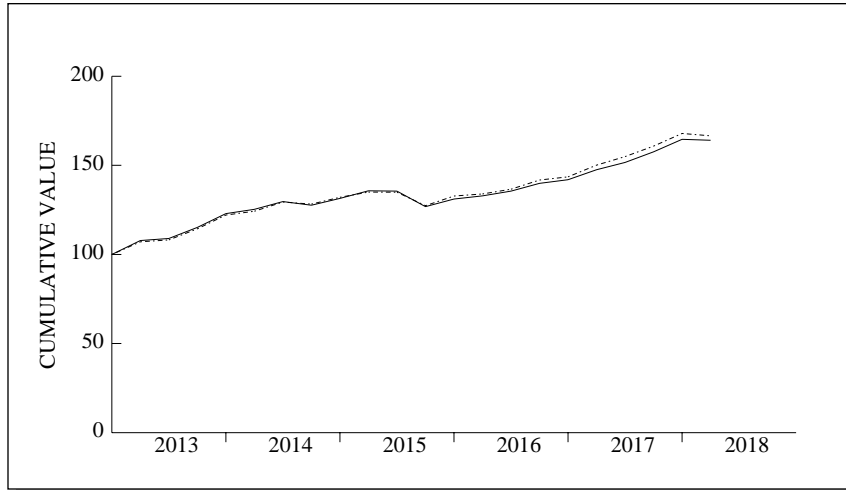
**INVESTMENT RETURN SUMMARY - ONE QUARTER**

<b>Name</b>	<b>Quarter Total Return</b>	<b>Market Value December 31st, 2017</b>	<b>Net Cashflow</b>	<b>Net Investment Return</b>	<b>Market Value March 31st, 2018</b>
First Eagle (GLEQ)	-1.1	41,399,126	0	-537,571	40,861,555
Attucks Emerging Mgr (LC)	-0.5	56,517,842	-186	-269,896	56,247,760
Sawgrass (LCG)	0.7	42,239,281	-6,000,494	296,995	36,535,782
Attucks Michigan (LCV)	-1.4	33,498,032	-3,613	-455,327	33,039,092
Victory MCG (MCG)	-0.1	41,699,718	-47	-37,466	41,662,205
Systematic (MCV)	-3.2	43,865,059	-328	-1,399,853	42,464,878
Kennedy SCC (SCC)	-1.0	21,010,399	-181	-207,706	20,802,512
Kennedy SCG (SCG)	2.9	14,141,051	-137	410,811	14,551,725
Loomis (SCV)	-2.0	26,263,826	-364	-533,031	25,730,431
WCM (INEQ)	1.9	43,982,514	-7,503,799	840,147	37,318,862
Consequent (PREQ)	2.6	5,869,872	-474,770	150,466	5,545,568
Invesco V (PREQ)	0.0	1,887,262	0	0	1,887,262
Mesirow IV (PREQ)	2.3	3,118,713	-132,380	69,880	3,056,213
Mesirow VI (PREQ)	0.0	1,779,171	0	0	1,779,171
Intercontinental (REAL)	2.8	881,489	4,132,802	134,557	5,148,848
Invesco Core RE (REAL)	2.5	8,169,910	-68,427	200,791	8,302,274
Principal (REAL)	2.3	4,015,901	7,500,000	202,248	11,718,149
Brandywine (GLFI)	4.2	6,883,977	-4,140,214	115,821	2,859,584
Victory FI (CFI)	-1.2	53,421,052	-149	-651,888	52,769,015
Robinson (IMFI)	0.1	50,587,610	-578	43,852	50,630,884
Peritus (HIYL)	---	1,475	0	-31	1,444
Cash (CASH)	---	6,105,869	-444,252	33,363	5,694,980
<b>Total Portfolio</b>	<b>-0.3</b>	<b>507,339,149</b>	<b>-7,137,117</b>	<b>-1,593,838</b>	<b>498,608,194</b>

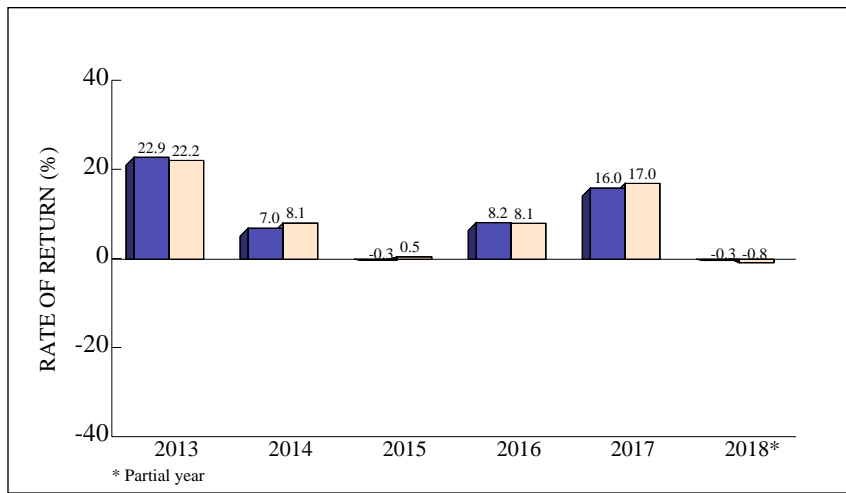
**INVESTMENT RETURN SUMMARY WITH LAGGED PRIVATE EQUITY - ONE QUARTER**

Name	Quarter Total Return	Market Value December 31st, 2017	Net Cashflow	Net Investment Return	Market Value March 31st, 2018
First Eagle (GLEQ)	-1.1	41,399,126	0	-537,571	40,861,555
Attucks Emerging Mgr (LC)	-0.5	56,517,842	-186	-269,896	56,247,760
Sawgrass (LCG)	0.7	42,239,281	-6,000,494	296,995	36,535,782
Attucks Michigan (LCV)	-1.4	33,498,032	-3,613	-455,327	33,039,092
Victory MCG (MCG)	-0.1	41,699,718	-47	-37,466	41,662,205
Systematic (MCV)	-3.2	43,865,059	-328	-1,399,853	42,464,878
Kennedy SCC (SCC)	-1.0	21,010,399	-181	-207,706	20,802,512
Kennedy SCG (SCG)	2.9	14,141,051	-137	410,811	14,551,725
Loomis (SCV)	-2.0	26,263,826	-364	-533,031	25,730,431
WCM (INEQ)	1.9	43,982,514	-7,503,799	840,147	37,318,862
Consequent (Lag) (PREQ)	0.0	5,869,872	-15,000	15,000	5,869,872
Invesco V (Lag) (PREQ)	10.0	1,887,262	-181,635	181,635	1,887,262
Mesirow IV (Lag) (PREQ)	10.2	3,118,713	-307,098	307,098	3,118,713
Mesirow VI (Lag) (PREQ)	0.0	1,636,671	150,000	-7,500	1,779,171
Intercontinental (REAL)	2.8	881,489	4,132,802	134,557	5,148,848
Invesco Core RE (REAL)	2.5	8,169,910	-68,427	200,791	8,302,274
Principal (REAL)	2.3	4,015,901	7,500,000	202,248	11,718,149
Brandywine (GLFI)	4.2	6,883,977	-4,140,214	115,821	2,859,584
Victory FI (CFI)	-1.2	53,421,052	-149	-651,888	52,769,015
Robinson (IMFI)	0.1	50,587,610	-578	43,852	50,630,884
Peritus (HIYL)	---	1,475	0	-31	1,444
Cash (CASH)	---	6,105,869	-444,252	33,363	5,694,980
<b>Total Portfolio</b>	<b>-0.2</b>	<b>507,196,649</b>	<b>-6,883,700</b>	<b>-1,317,951</b>	<b>498,994,998</b>

**TOTAL RETURN COMPARISONS**



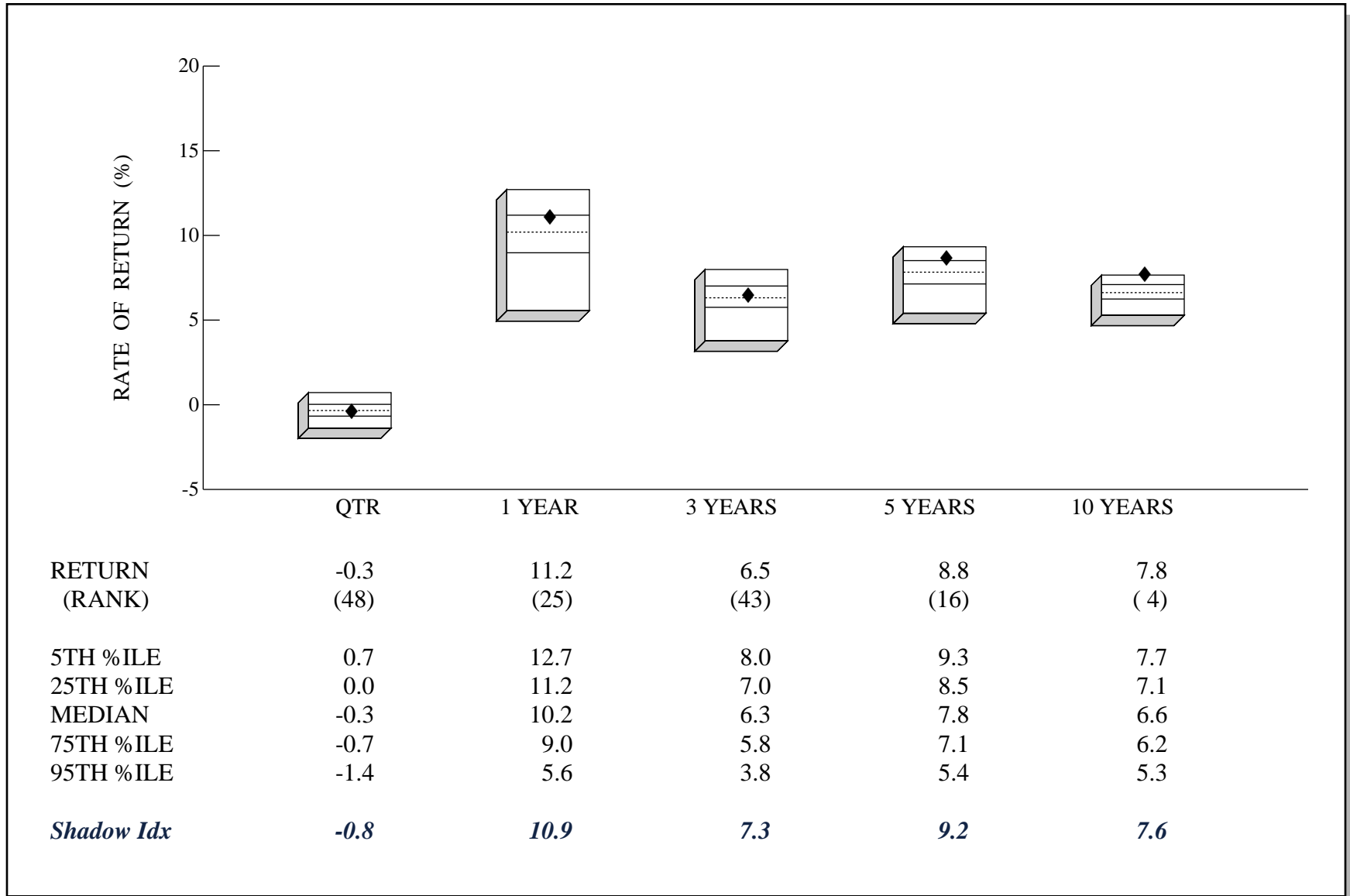
Public Fund Universe



	QTR	2 QTRS	3 QTRS	YEAR	-----ANNUALIZED-----	
					3 YRS	5 YRS
RETURN	-0.3	4.1	8.2	11.2	6.5	8.8
(RANK)	(48)	(18)	(16)	(25)	(43)	(16)
5TH %ILE	0.7	4.8	8.9	12.7	8.0	9.3
25TH %ILE	0.0	3.9	7.7	11.2	7.0	8.5
MEDIAN	-0.3	3.3	6.9	10.2	6.3	7.8
75TH %ILE	-0.7	2.8	6.1	9.0	5.8	7.1
95TH %ILE	-1.4	0.8	3.4	5.6	3.8	5.4
<i>Shadow Idx</i>	<i>-0.8</i>	<i>3.6</i>	<i>7.5</i>	<i>10.9</i>	<i>7.3</i>	<i>9.2</i>

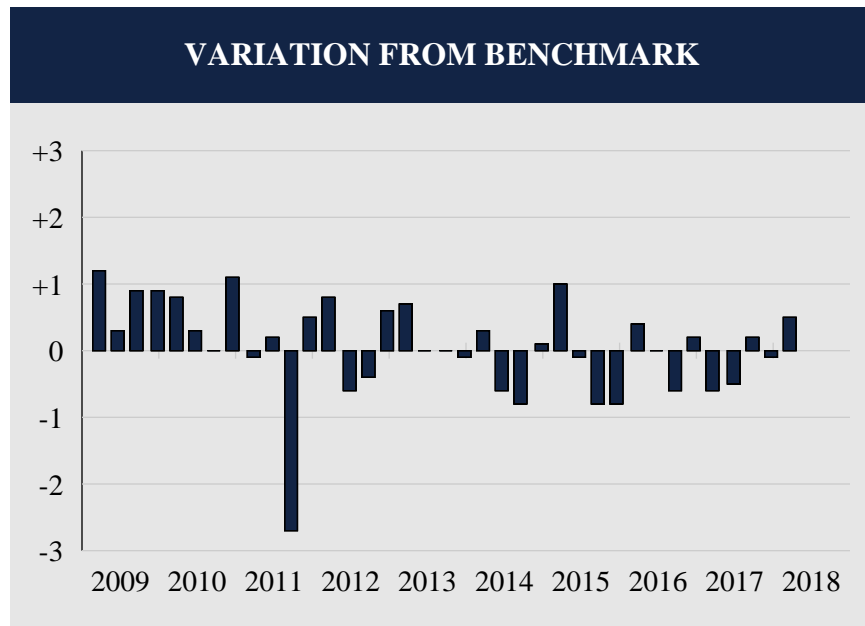
Public Fund Universe

**TOTAL PORTFOLIO UNIVERSE RANKINGS - PUBLIC FUND UNIVERSE**



**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY SINCE DECEMBER 2007**

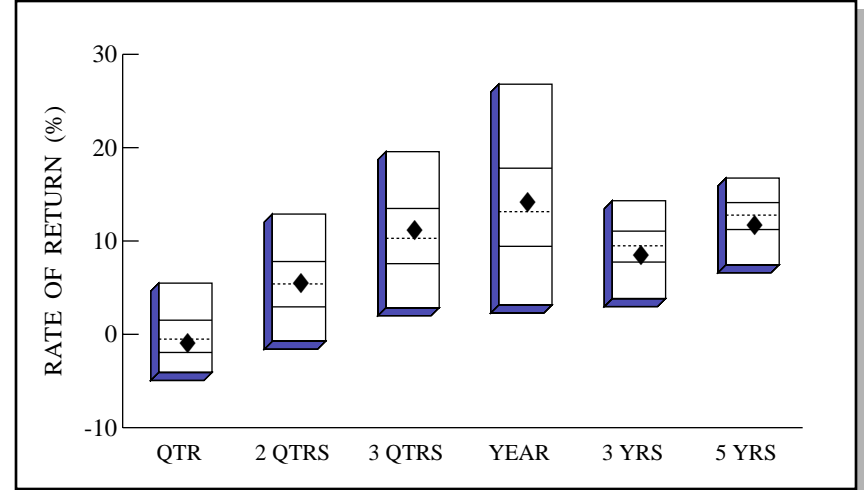
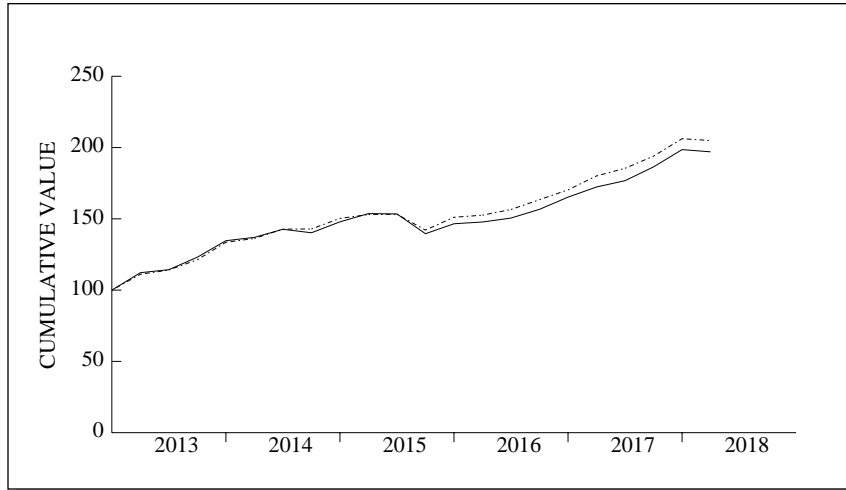
**COMPARATIVE BENCHMARK: SHADOW INDEX**



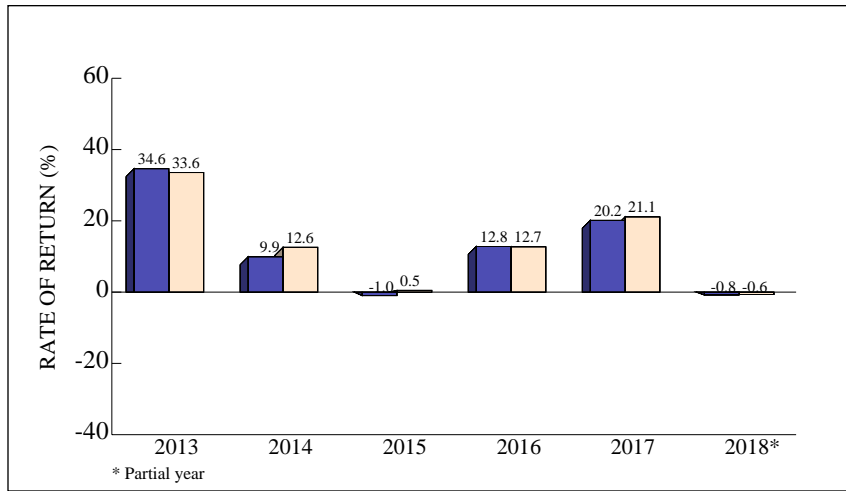
RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
3/09	-5.5	-6.7	1.2
6/09	11.4	11.1	0.3
9/09	12.6	11.7	0.9
12/09	4.6	3.7	0.9
3/10	5.0	4.2	0.8
6/10	-6.5	-6.8	0.3
9/10	8.8	8.8	0.0
12/10	8.3	7.2	1.1
3/11	4.4	4.5	-0.1
6/11	1.0	0.8	0.2
9/11	-13.0	-10.3	-2.7
12/11	8.0	7.5	0.5
3/12	9.5	8.7	0.8
6/12	-2.6	-2.0	-0.6
9/12	4.6	5.0	-0.4
12/12	1.9	1.3	0.6
3/13	7.9	7.2	0.7
6/13	1.0	1.0	0.0
9/13	5.7	5.7	0.0
12/13	6.7	6.8	-0.1
3/14	2.0	1.7	0.3
6/14	3.5	4.1	-0.6
9/14	-1.6	-0.8	-0.8
12/14	3.0	2.9	0.1
3/15	3.2	2.2	1.0
6/15	-0.1	0.0	-0.1
9/15	-6.4	-5.6	-0.8
12/15	3.4	4.2	-0.8
3/16	1.3	0.9	0.4
6/16	2.0	2.0	0.0
9/16	3.2	3.8	-0.6
12/16	1.4	1.2	0.2
3/17	4.0	4.6	-0.6
6/17	2.7	3.2	-0.5
9/17	3.9	3.7	0.2
12/17	4.4	4.5	-0.1
3/18	-0.3	-0.8	0.5

<b>Total Quarters Observed</b>	<b>37</b>
<b>Quarters At or Above the Benchmark</b>	<b>23</b>
<b>Quarters Below the Benchmark</b>	<b>14</b>
<b>Batting Average</b>	<b>.622</b>

**DOMESTIC EQUITY RETURN COMPARISONS**



Domestic Equity Universe



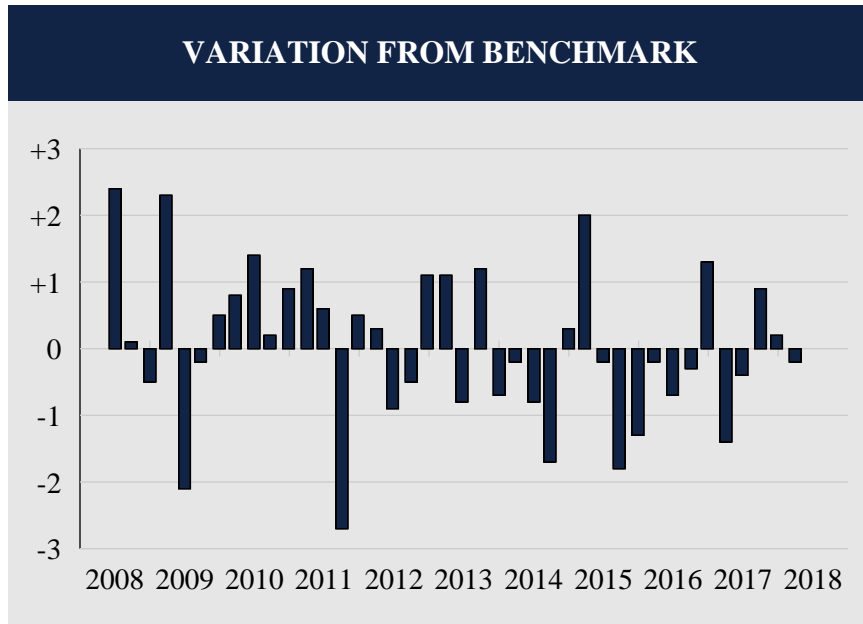
	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	-0.8	5.6	11.4	14.3	8.6	11.9
(RANK)	(57)	(47)	(39)	(41)	(63)	(65)
5TH %ILE	5.5	12.9	19.6	26.8	14.3	16.8
25TH %ILE	1.5	7.8	13.5	17.8	11.1	14.1
MEDIAN	-0.5	5.4	10.3	13.2	9.5	12.8
75TH %ILE	-1.9	2.9	7.6	9.4	7.7	11.2
95TH %ILE	-4.1	-0.7	2.9	3.2	3.8	7.5
<b>Russ 3000</b>	<b>-0.6</b>	<b>5.6</b>	<b>10.5</b>	<b>13.8</b>	<b>10.2</b>	<b>13.0</b>

Domestic Equity Universe



**DOMESTIC EQUITY QUARTERLY PERFORMANCE SUMMARY - 10 YEARS**

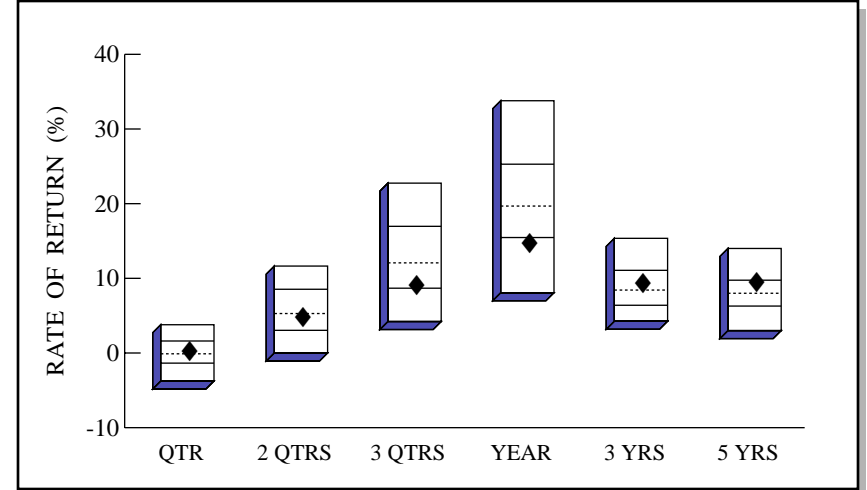
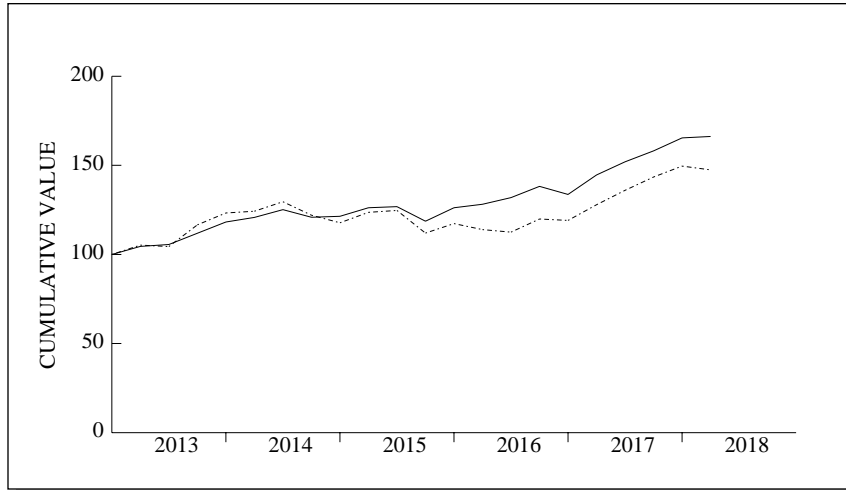
**COMPARATIVE BENCHMARK: RUSSELL 3000**



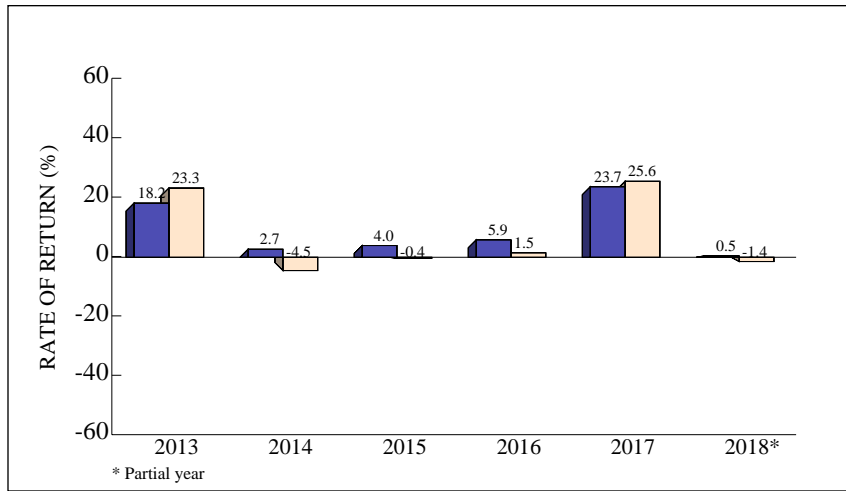
<b>Total Quarters Observed</b>	<b>40</b>
<b>Quarters At or Above the Benchmark</b>	<b>20</b>
<b>Quarters Below the Benchmark</b>	<b>20</b>
<b>Batting Average</b>	<b>.500</b>

<b>RATES OF RETURN</b>			
<b>Date</b>	<b>Portfolio</b>	<b>Benchmark</b>	<b>Difference</b>
6/08	0.7	-1.7	2.4
9/08	-8.6	-8.7	0.1
12/08	-23.3	-22.8	-0.5
3/09	-8.5	-10.8	2.3
6/09	14.7	16.8	-2.1
9/09	16.1	16.3	-0.2
12/09	6.4	5.9	0.5
3/10	6.7	5.9	0.8
6/10	-9.9	-11.3	1.4
9/10	11.7	11.5	0.2
12/10	12.5	11.6	0.9
3/11	7.6	6.4	1.2
6/11	0.6	0.0	0.6
9/11	-18.0	-15.3	-2.7
12/11	12.6	12.1	0.5
3/12	13.2	12.9	0.3
6/12	-4.0	-3.1	-0.9
9/12	5.7	6.2	-0.5
12/12	1.4	0.3	1.1
3/13	12.2	11.1	1.1
6/13	1.9	2.7	-0.8
9/13	7.6	6.4	1.2
12/13	9.4	10.1	-0.7
3/14	1.8	2.0	-0.2
6/14	4.1	4.9	-0.8
9/14	-1.7	0.0	-1.7
12/14	5.5	5.2	0.3
3/15	3.8	1.8	2.0
6/15	-0.1	0.1	-0.2
9/15	-9.0	-7.2	-1.8
12/15	5.0	6.3	-1.3
3/16	0.8	1.0	-0.2
6/16	1.9	2.6	-0.7
9/16	4.1	4.4	-0.3
12/16	5.5	4.2	1.3
3/17	4.3	5.7	-1.4
6/17	2.6	3.0	-0.4
9/17	5.5	4.6	0.9
12/17	6.5	6.3	0.2
3/18	-0.8	-0.6	-0.2

### INTERNATIONAL EQUITY RETURN COMPARISONS



International Equity Universe

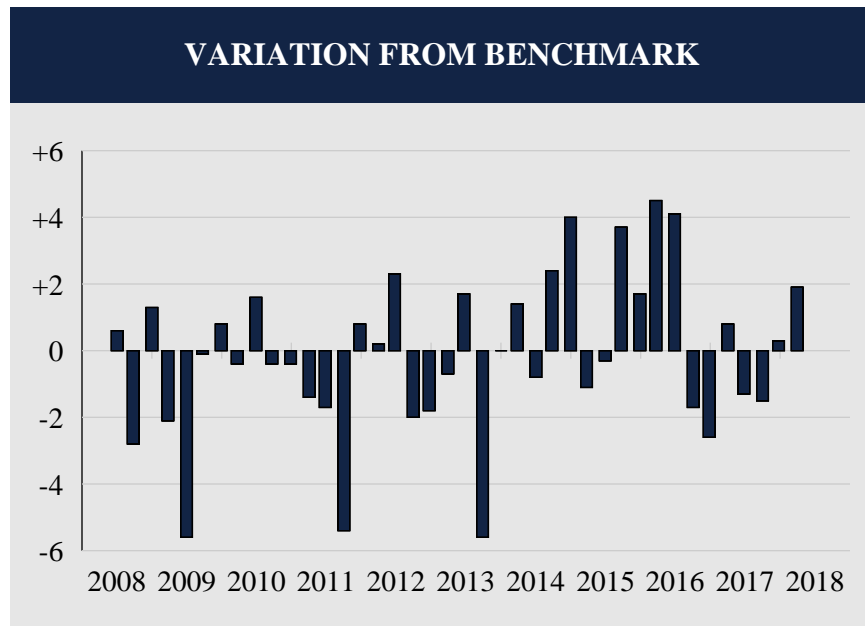


	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	0.5	5.1	9.3	14.9	9.6	9.7
(RANK)	(39)	(52)	(71)	(79)	(39)	(26)
5TH %ILE	3.8	11.6	22.8	33.8	15.4	14.0
25TH %ILE	1.6	8.5	17.0	25.3	11.1	9.8
MEDIAN	-0.1	5.3	12.1	19.7	8.4	8.0
75TH %ILE	-1.4	3.0	8.7	15.5	6.4	6.3
95TH %ILE	-3.7	0.0	4.2	8.1	4.3	3.0
<b>MSCI EAFE</b>	<b>-1.4</b>	<b>2.8</b>	<b>8.4</b>	<b>15.3</b>	<b>6.0</b>	<b>7.0</b>

International Equity Universe

**INTERNATIONAL EQUITY QUARTERLY PERFORMANCE SUMMARY - 10 YEARS**

**COMPARATIVE BENCHMARK: MSCI EAFE**

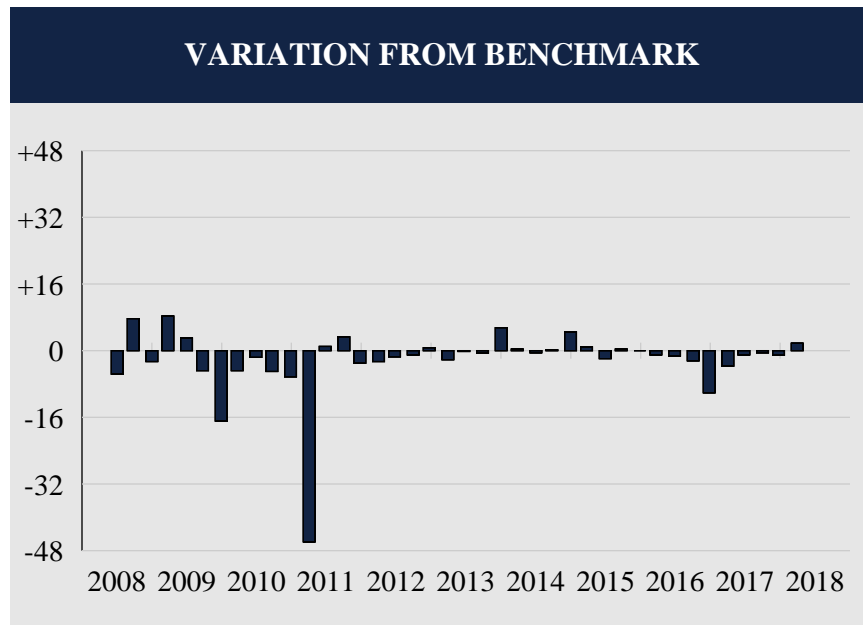


RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
6/08	-1.3	-1.9	0.6
9/08	-23.3	-20.5	-2.8
12/08	-18.6	-19.9	1.3
3/09	-16.0	-13.9	-2.1
6/09	20.2	25.8	-5.6
9/09	19.4	19.5	-0.1
12/09	3.0	2.2	0.8
3/10	0.5	0.9	-0.4
6/10	-12.1	-13.7	1.6
9/10	16.1	16.5	-0.4
12/10	6.3	6.7	-0.4
3/11	2.0	3.4	-1.4
6/11	0.1	1.8	-1.7
9/11	-24.4	-19.0	-5.4
12/11	4.2	3.4	0.8
3/12	11.2	11.0	0.2
6/12	-4.6	-6.9	2.3
9/12	5.0	7.0	-2.0
12/12	4.8	6.6	-1.8
3/13	4.5	5.2	-0.7
6/13	1.0	-0.7	1.7
9/13	6.0	11.6	-5.6
12/13	5.7	5.7	0.0
3/14	2.2	0.8	1.4
6/14	3.5	4.3	-0.8
9/14	-3.4	-5.8	2.4
12/14	0.5	-3.5	4.0
3/15	3.9	5.0	-1.1
6/15	0.5	0.8	-0.3
9/15	-6.5	-10.2	3.7
12/15	6.4	4.7	1.7
3/16	1.6	-2.9	4.5
6/16	2.9	-1.2	4.1
9/16	4.8	6.5	-1.7
12/16	-3.3	-0.7	-2.6
3/17	8.2	7.4	0.8
6/17	5.1	6.4	-1.3
9/17	4.0	5.5	-1.5
12/17	4.6	4.3	0.3
3/18	0.5	-1.4	1.9

<b>Total Quarters Observed</b>	<b>40</b>
<b>Quarters At or Above the Benchmark</b>	<b>19</b>
<b>Quarters Below the Benchmark</b>	<b>21</b>
<b>Batting Average</b>	<b>.475</b>

## PRIVATE EQUITY QUARTERLY PERFORMANCE SUMMARY

**COMPARATIVE BENCHMARK: CAMBRIDGE US PRIVATE EQUITY**

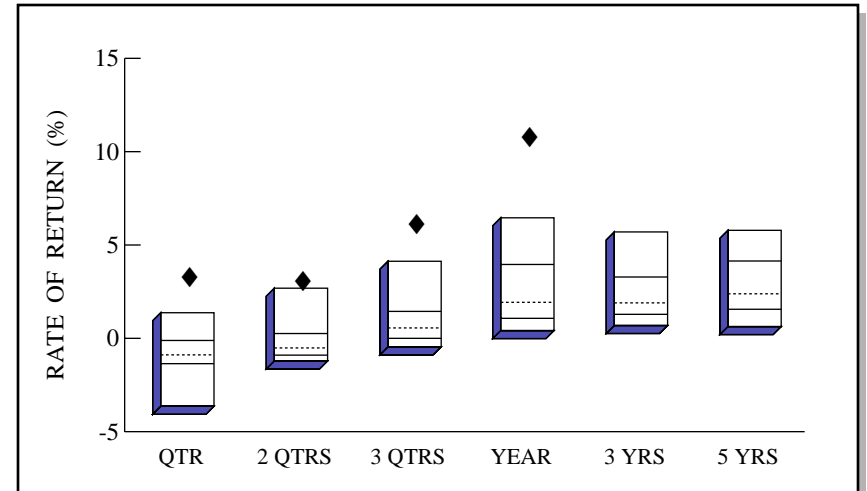
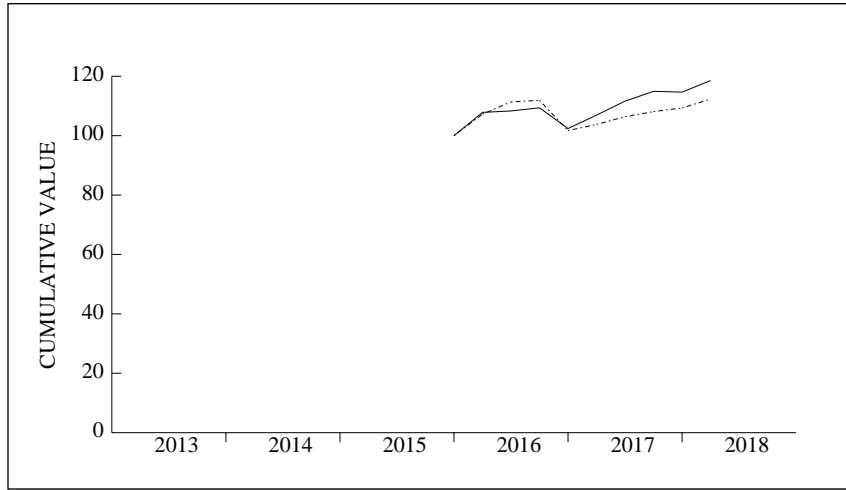


### RATES OF RETURN

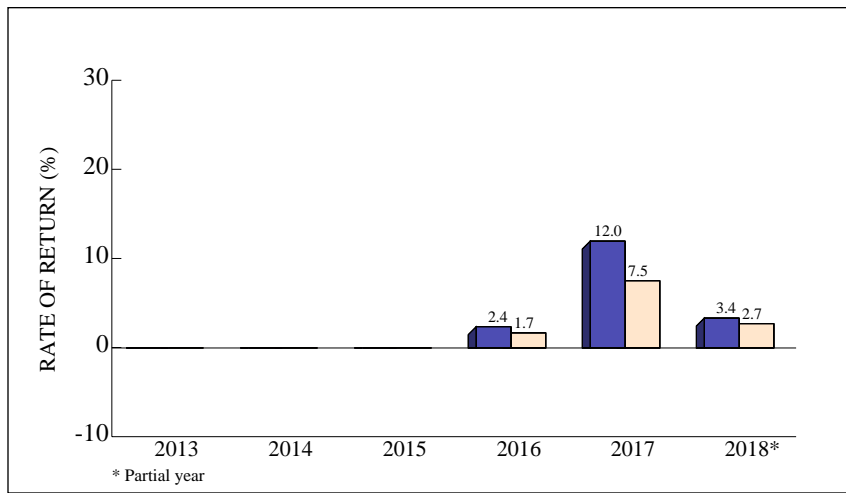
Date	Portfolio	Benchmark	Difference
6/08	-4.7	0.9	-5.6
9/08	1.1	-6.6	7.7
12/08	-18.6	-16.0	-2.6
3/09	4.9	-3.4	8.3
6/09	7.4	4.4	3.0
9/09	1.0	5.8	-4.8
12/09	-10.8	6.1	-16.9
3/10	-0.4	4.4	-4.8
6/10	0.0	1.6	-1.6
9/10	0.1	5.1	-5.0
12/10	2.8	9.1	-6.3
3/11	-40.7	5.2	-45.9
6/11	5.7	4.7	1.0
9/11	-0.8	-4.1	3.3
12/11	2.3	5.3	-3.0
3/12	2.8	5.4	-2.6
6/12	-1.5	0.0	-1.5
9/12	2.7	3.7	-1.0
12/12	4.4	3.7	0.7
3/13	2.4	4.6	-2.2
6/13	2.9	3.1	-0.2
9/13	4.4	5.0	-0.6
12/13	12.5	7.0	5.5
3/14	3.5	3.1	0.4
6/14	5.0	5.5	-0.5
9/14	1.5	1.3	0.2
12/14	5.4	0.9	4.5
3/15	3.6	2.7	0.9
6/15	2.0	3.9	-1.9
9/15	-1.1	-1.5	0.4
12/15	0.5	0.5	0.0
3/16	-0.9	0.1	-1.0
6/16	2.7	4.0	-1.3
9/16	1.5	3.9	-2.4
12/16	-5.6	4.5	-10.1
3/17	0.2	3.9	-3.7
6/17	2.6	3.6	-1.0
9/17	3.4	3.9	-0.5
12/17	4.1	5.2	-1.1
3/18	1.8	0.0	1.8

<b>Total Quarters Observed</b>	<b>40</b>
<b>Quarters At or Above the Benchmark</b>	<b>14</b>
<b>Quarters Below the Benchmark</b>	<b>26</b>
<b>Batting Average</b>	<b>.350</b>

**GLOBAL FIXED INCOME RETURN COMPARISONS**



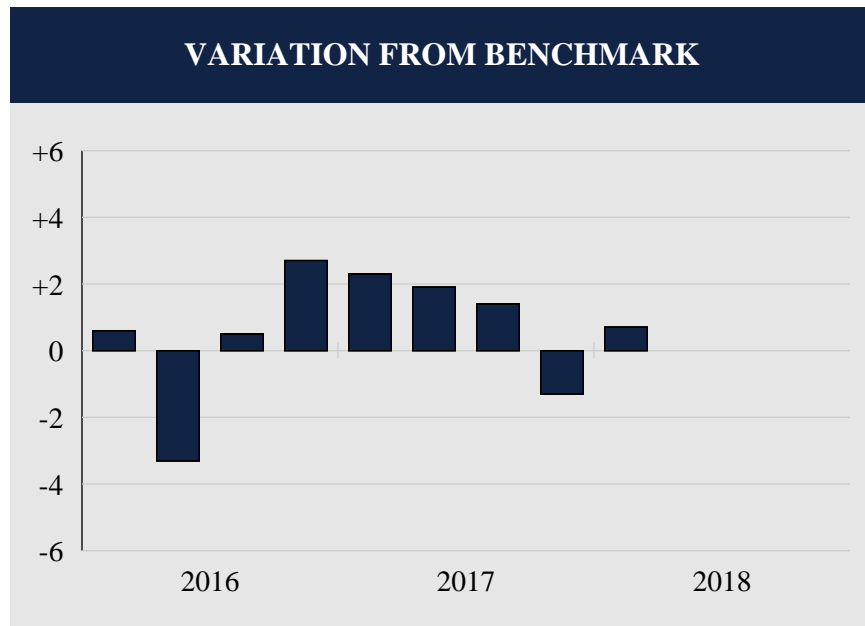
Broad Market Fixed Universe



	QTR	2 QTRS	3 QTRS	YEAR	-----ANNUALIZED-----	
					3 YRS	5 YRS
RETURN	3.4	3.1	6.2	10.9	----	----
(RANK)	(1)	(4)	(3)	(2)	----	----
5TH %ILE	1.4	2.7	4.1	6.5	5.7	5.8
25TH %ILE	-0.1	0.3	1.4	4.0	3.3	4.1
MEDIAN	-0.9	-0.5	0.6	1.9	1.9	2.4
75TH %ILE	-1.4	-0.9	0.0	1.1	1.3	1.6
95TH %ILE	-3.6	-1.2	-0.5	0.4	0.7	0.6
<b>Global Gov</b>	<b>2.7</b>	<b>3.9</b>	<b>5.6</b>	<b>8.2</b>	<b>3.5</b>	<b>1.1</b>

Broad Market Fixed Universe

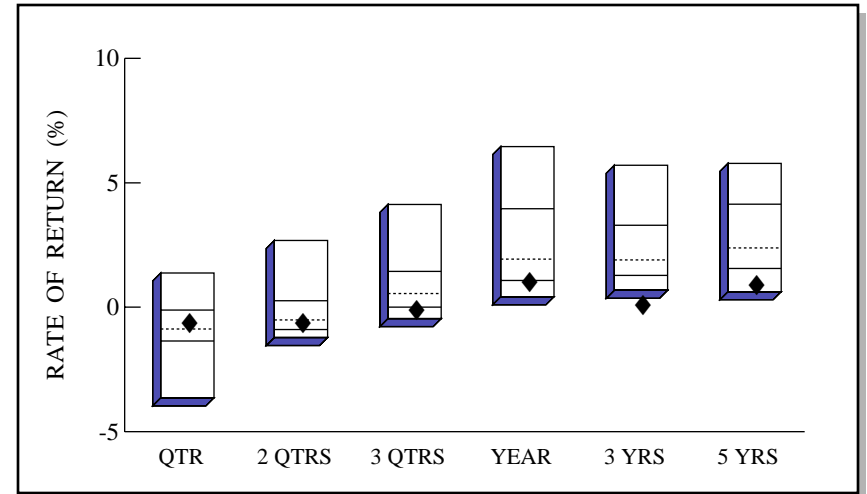
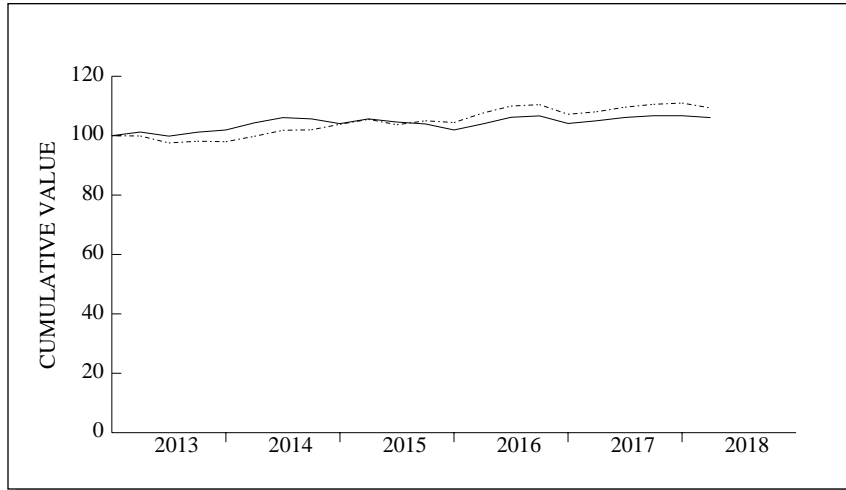
**GLOBAL FIXED INCOME QUARTERLY PERFORMANCE SUMMARY**  
**COMPARATIVE BENCHMARK: BLOOMBERG BARCLAYS GLOBAL GOVERNMENT BOND**



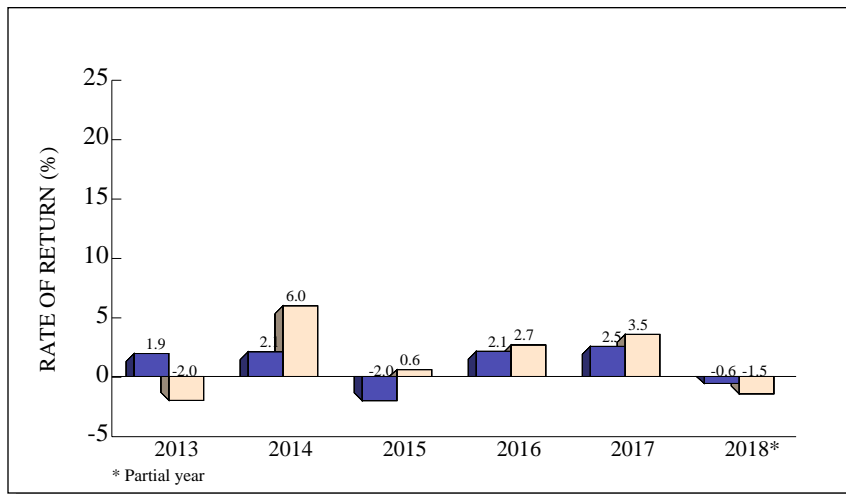
RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
3/16	7.8	7.2	0.6
6/16	0.5	3.8	-3.3
9/16	1.0	0.5	0.5
12/16	-6.4	-9.1	2.7
3/17	4.4	2.1	2.3
6/17	4.4	2.5	1.9
9/17	3.0	1.6	1.4
12/17	-0.2	1.1	-1.3
3/18	3.4	2.7	0.7

<b>Total Quarters Observed</b>	<b>9</b>
<b>Quarters At or Above the Benchmark</b>	<b>7</b>
<b>Quarters Below the Benchmark</b>	<b>2</b>
<b>Batting Average</b>	<b>.778</b>

**DOMESTIC FIXED INCOME RETURN COMPARISONS**



Broad Market Fixed Universe

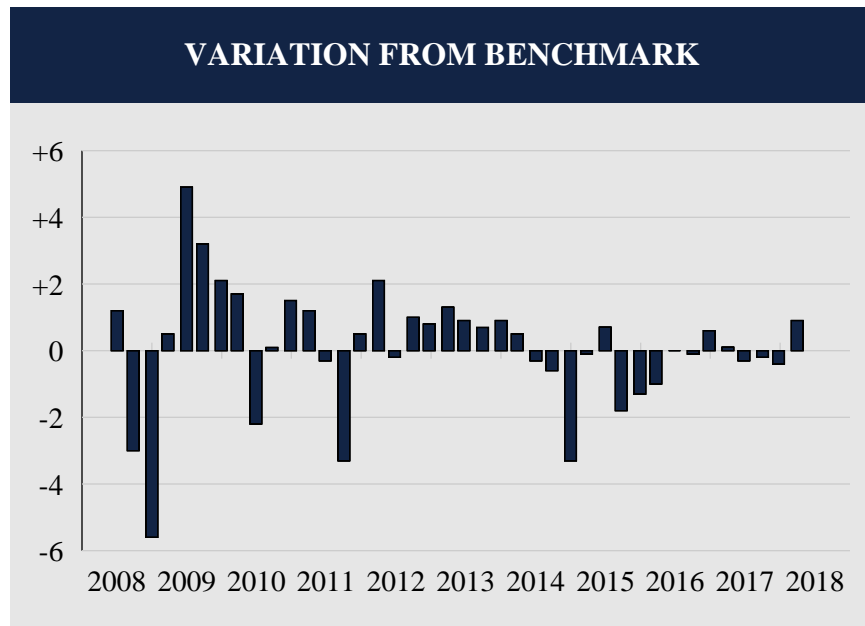


	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	-0.6	-0.6	0.0	1.1	0.1	0.9
(RANK)	(39)	(54)	(77)	(76)	(99)	(90)
5TH %ILE	1.4	2.7	4.1	6.5	5.7	5.8
25TH %ILE	-0.1	0.3	1.4	4.0	3.3	4.1
MEDIAN	-0.9	-0.5	0.6	1.9	1.9	2.4
75TH %ILE	-1.4	-0.9	0.0	1.1	1.3	1.6
95TH %ILE	-3.6	-1.2	-0.5	0.4	0.7	0.6
<b>Agg</b>	<b>-1.5</b>	<b>-1.1</b>	<b>-0.2</b>	<b>1.2</b>	<b>1.2</b>	<b>1.8</b>

Broad Market Fixed Universe

**DOMESTIC FIXED INCOME QUARTERLY PERFORMANCE SUMMARY - 10 YEARS**

**COMPARATIVE BENCHMARK: BLOOMBERG BARCLAYS AGGREGATE INDEX**

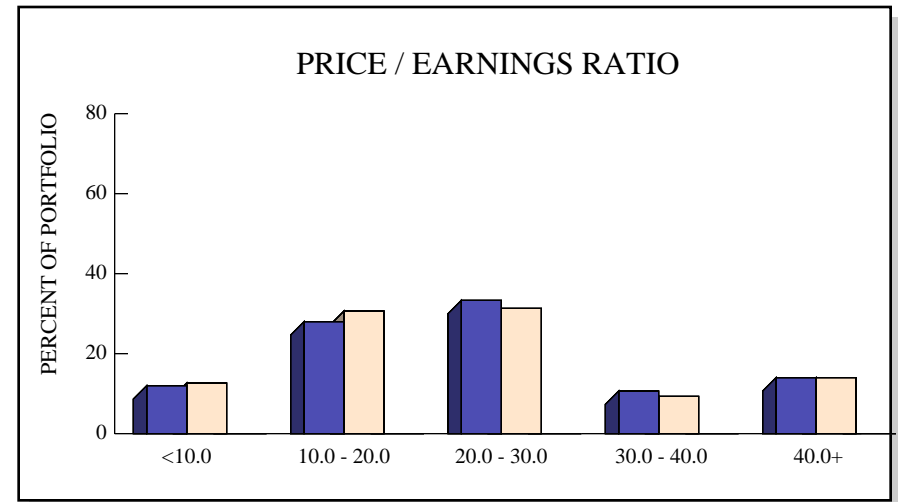
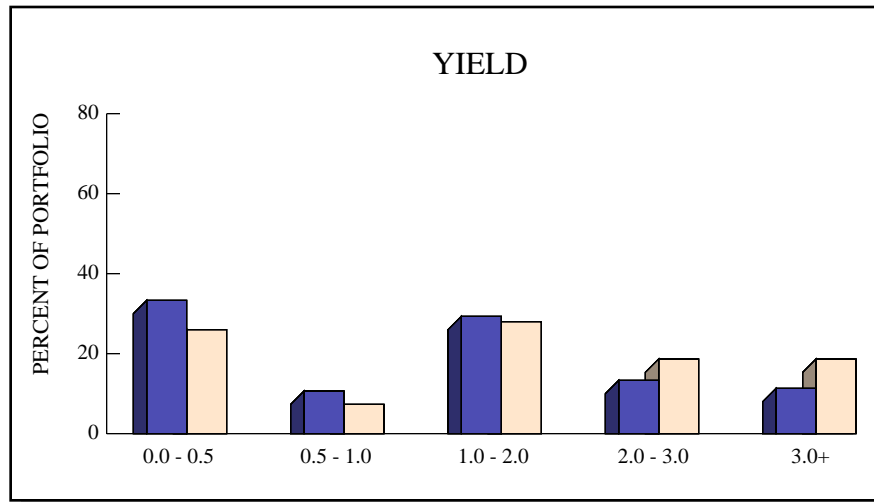


RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
6/08	0.2	-1.0	1.2
9/08	-3.5	-0.5	-3.0
12/08	-1.0	4.6	-5.6
3/09	0.6	0.1	0.5
6/09	6.7	1.8	4.9
9/09	6.9	3.7	3.2
12/09	2.3	0.2	2.1
3/10	3.5	1.8	1.7
6/10	1.3	3.5	-2.2
9/10	2.6	2.5	0.1
12/10	0.2	-1.3	1.5
3/11	1.6	0.4	1.2
6/11	2.0	2.3	-0.3
9/11	0.5	3.8	-3.3
12/11	1.6	1.1	0.5
3/12	2.4	0.3	2.1
6/12	1.9	2.1	-0.2
9/12	2.6	1.6	1.0
12/12	1.0	0.2	0.8
3/13	1.2	-0.1	1.3
6/13	-1.4	-2.3	0.9
9/13	1.3	0.6	0.7
12/13	0.8	-0.1	0.9
3/14	2.3	1.8	0.5
6/14	1.7	2.0	-0.3
9/14	-0.4	0.2	-0.6
12/14	-1.5	1.8	-3.3
3/15	1.5	1.6	-0.1
6/15	-1.0	-1.7	0.7
9/15	-0.6	1.2	-1.8
12/15	-1.9	-0.6	-1.3
3/16	2.0	3.0	-1.0
6/16	2.2	2.2	0.0
9/16	0.4	0.5	-0.1
12/16	-2.4	-3.0	0.6
3/17	0.9	0.8	0.1
6/17	1.1	1.4	-0.3
9/17	0.6	0.8	-0.2
12/17	0.0	0.4	-0.4
3/18	-0.6	-1.5	0.9

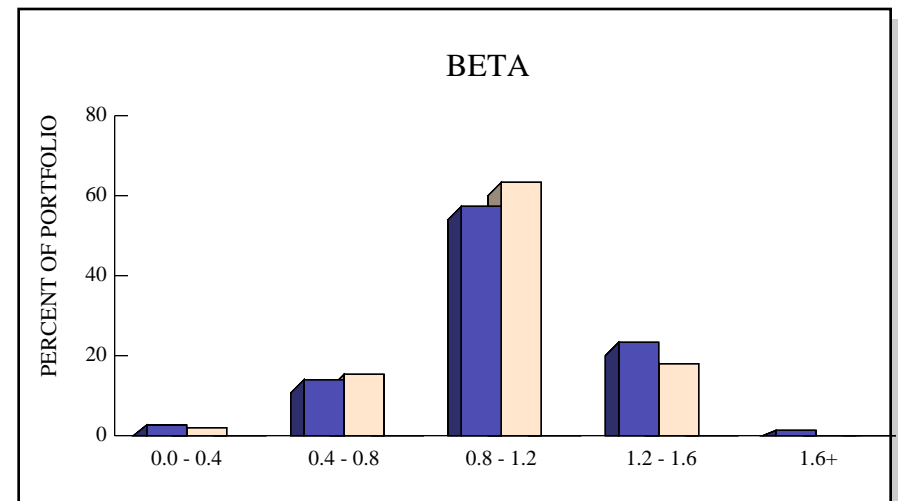
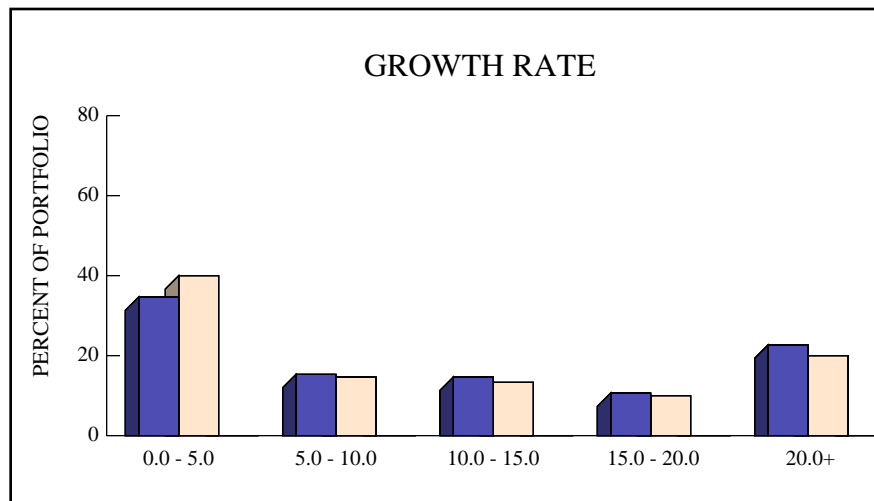
<b>Total Quarters Observed</b>	<b>40</b>
<b>Quarters At or Above the Benchmark</b>	<b>23</b>
<b>Quarters Below the Benchmark</b>	<b>17</b>
<b>Batting Average</b>	<b>.575</b>



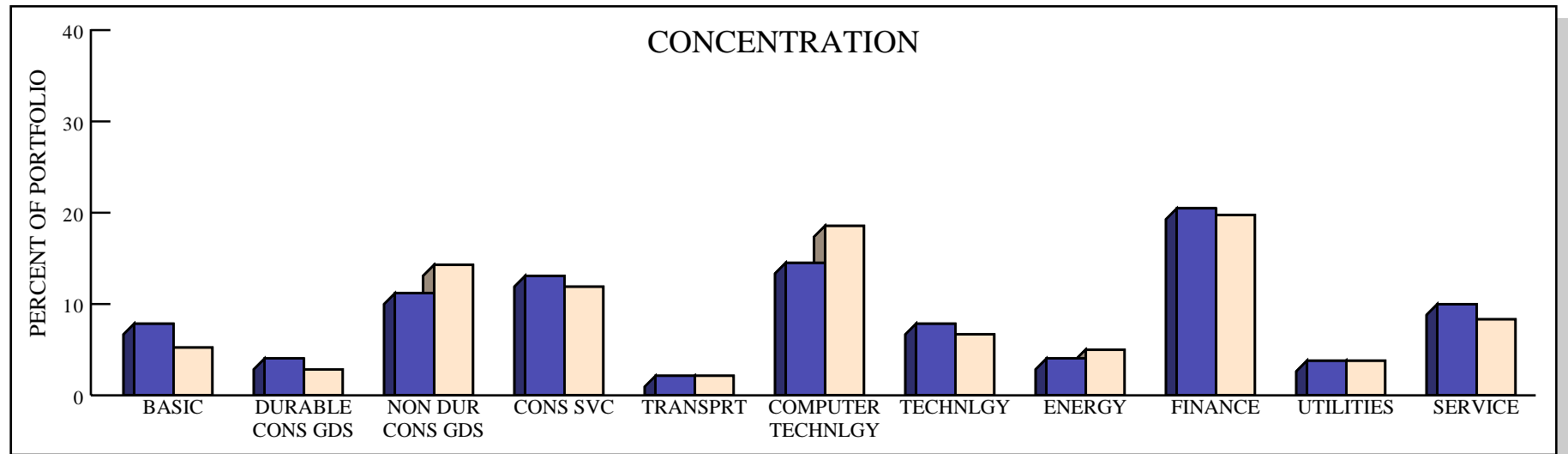
**STOCK CHARACTERISTICS**



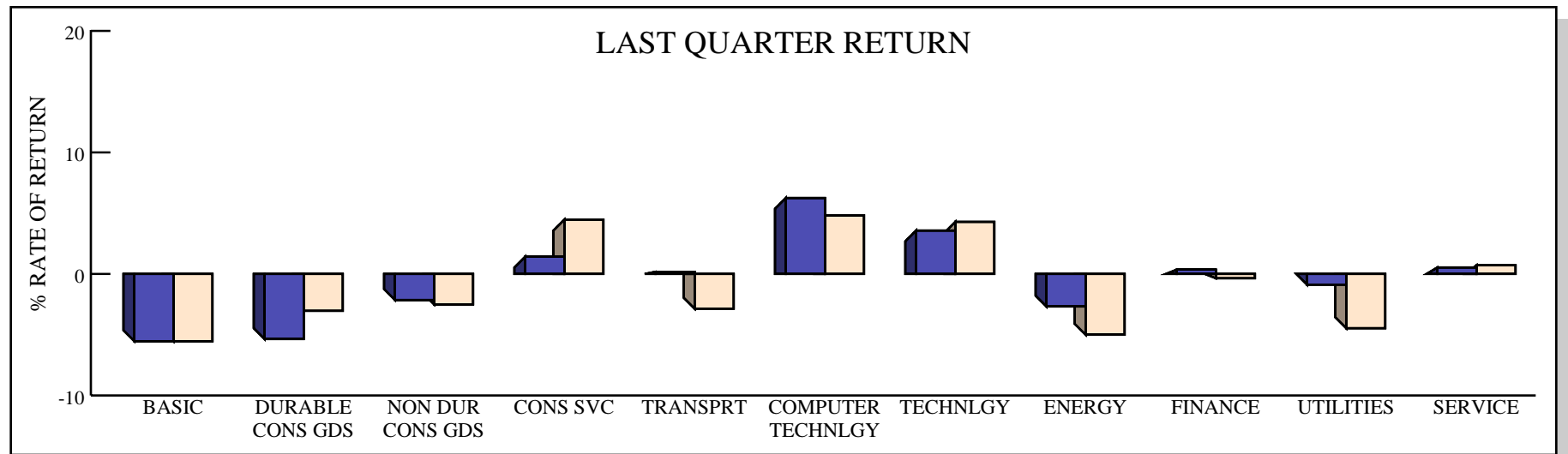
	# HOLDINGS	YIELD	GROWTH	P/E	BETA
PORTFOLIO	786	1.4%	11.0%	24.8	1.02
RUSSELL 3000	2,958	1.8%	9.7%	23.9	1.00



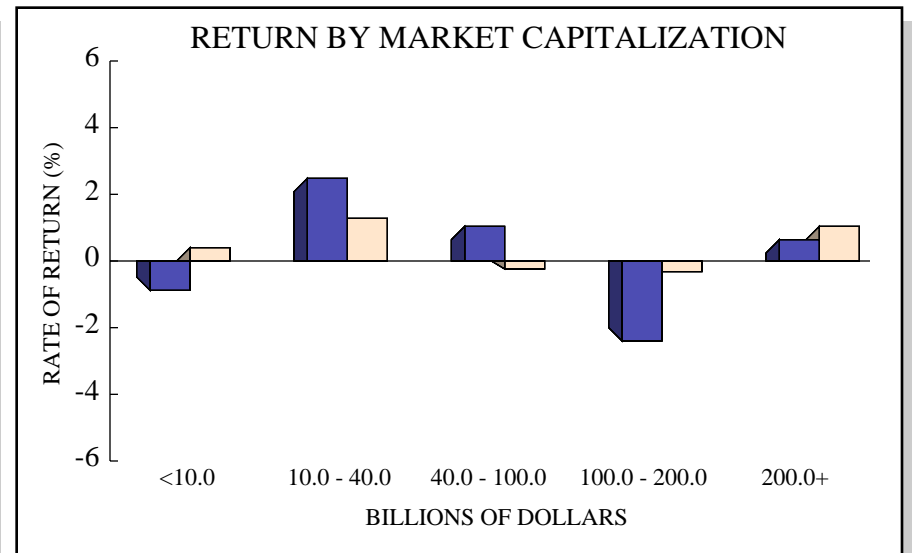
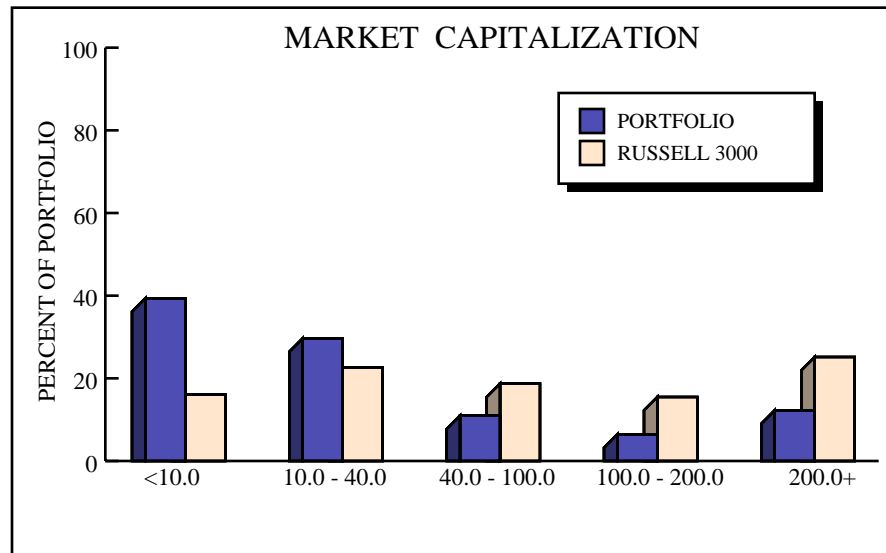
**STOCK INDUSTRY ANALYSIS**



■ PORTFOLIO      ■ RUSSELL 3000



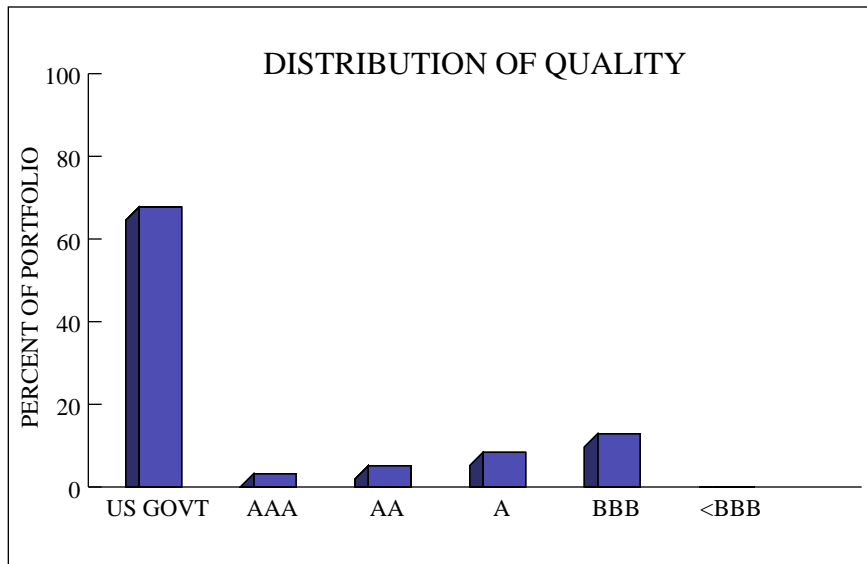
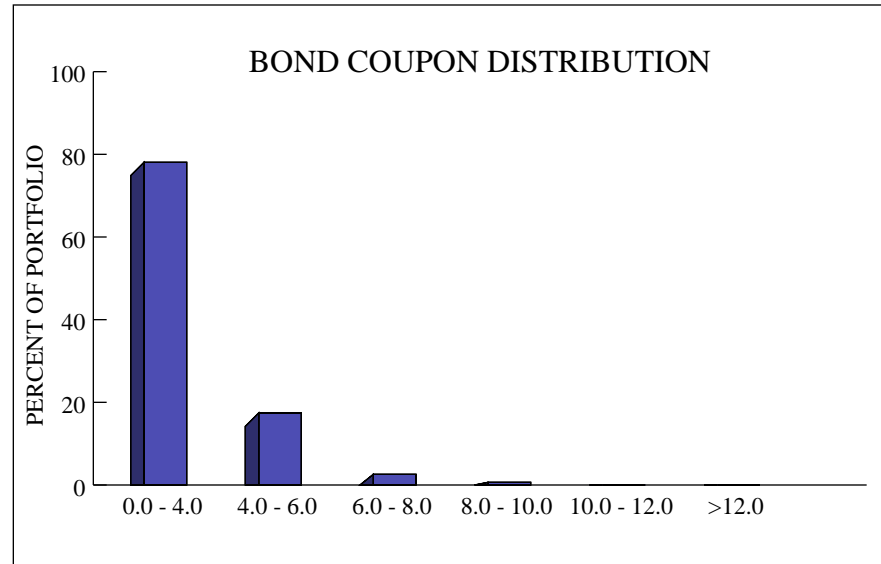
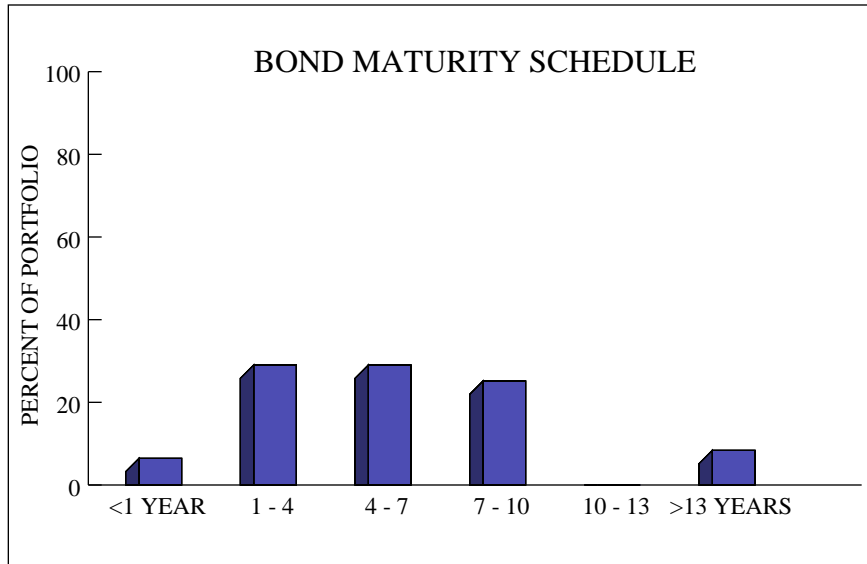
**TOP TEN HOLDINGS**



**TOP TEN EQUITY HOLDINGS**

RANK	NAME	VALUE	% EQUITY	RETURN	INDUSTRY SECTOR	MKT CAP
1	APPLE INC	\$ 5,125,343	1.89%	-0.5%	Computer Tech	\$ 851.3 B
2	MICROSOFT CORP	3,890,110	1.44%	7.2%	Computer Tech	702.8 B
3	ALPHABET INC-CL A	3,408,042	1.26%	-1.5%	Computer Tech	309.6 B
4	JOHNSON & JOHNSON	2,510,202	.93%	-7.7%	NonDur Cons Goods	343.8 B
5	JPMORGAN CHASE & CO	2,136,497	.79%	3.4%	Finance	375.0 B
6	HOME DEPOT INC	2,059,385	.76%	-5.4%	Consumer Service	206.3 B
7	MASTERCARD INC - A	2,032,557	.75%	15.9%	Finance	181.7 B
8	BERKSHIRE HATHAWAY INC-CL B	2,000,186	.74%	0.6%	Finance	268.3 B
9	WESTERN DIGITAL CORP	1,698,598	.63%	16.7%	Computer Tech	27.5 B
10	CISCO SYSTEMS INC	1,631,750	.60%	12.8%	Computer Tech	206.6 B

**BOND CHARACTERISTICS**



	<b>PORTFOLIO</b>	<b>AGGREGATE INDEX</b>
No. of Securities	267	9,868
Duration	5.40	6.08
YTM	3.15	3.12
Average Coupon	2.96	3.08
Avg Maturity / WAL	6.84	8.42
Average Quality	AAA	USG-AAA

**PONTIAC GENERAL EMPLOYEES RETIREMENT SYSTEM  
MANAGER FEE SCHEDULES**

Manager	Annual Fee Schedule
Attucks Emerging Mgr Attucks Michigan	0.63% on all assets
Brandywine	0.45% on all assets
First Eagle	0.75% on all assets
Consequent I	1% on invested capital
Intercontinental U.S. REIF	1.1% on first \$25 million; 1% on next \$25 million; 0.85% on next \$50 million. Preferred Return: 8%; Carried Interest: 20%
Invesco V	0.7% on committed capital in year one; 0.8% in year two; 0.9% in years three through eight; reduced by 10% per year thereafter, but not below a rate of 0.5%
Invesco Core RE	Management Fee: 1.1% Cash Management: 0.15% on cash in excess of 7.5% of aggregate NAV
Kennedy SCC	1% on all assets (Reduced to 95 bps effective April 1, 2018)
Kennedy SCG	0.85% on all assets
Loomis	0.8% on first \$10 million; 0.6% on remainder
Mesirow IV Mesirow VI	1% on committed capital for years one through seven; reduced by 10% per year thereafter
Principal	1.1% up to \$10 million; 1% on next \$15 million; 0.95% on next \$75 million; 0.8% on balance
Robinson	0.22% on all assets
Sawgrass	0.6% on first \$20 million; 0.5% on remainder
Systematic	0.5% on first \$75 million; 0.4% on remainder
Victory MCG Victory Fixed Income	0.45% on first \$25 million; 0.35% on next \$25 million; 0.30% on remainder of combined assets between both portfolios
WCM	0.75% on all assets

## APPENDIX - MAJOR MARKET INDEX RETURNS

<b>Economic Data</b>	<b>Style</b>	<b>QTR</b>	<b>YTD</b>	<b>1 Year</b>	<b>3 years</b>	<b>5 Years</b>
Consumer Price Index	Economic Data	1.2	1.2	2.4	1.9	1.4
<b>Domestic Equity</b>	<b>Style</b>	<b>QTR</b>	<b>YTD</b>	<b>1 Year</b>	<b>3 years</b>	<b>5 Years</b>
Russell 3000	Broad Equity	-0.6	-0.6	13.8	10.2	13.0
S&P 500	Large Cap Core	-0.8	-0.8	14.0	10.8	13.3
Russell 1000	Large Cap	-0.7	-0.7	14.0	10.4	13.2
Russell 1000 Growth	Large Cap Growth	1.4	1.4	21.3	12.9	15.5
Russell 1000 Value	Large Cap Value	-2.8	-2.8	6.9	7.9	10.8
Russell Mid Cap	Midcap	-0.5	-0.5	12.2	8.0	12.1
Russell Mid Cap Growth	Midcap Growth	2.2	2.2	19.7	9.2	13.3
Russell Mid Cap Value	Midcap Value	-2.5	-2.5	6.5	7.2	11.1
Russell 2000	Small Cap	-0.1	-0.1	11.8	8.4	11.5
Russell 2000 Growth	Small Cap Growth	2.3	2.3	18.6	8.7	12.9
Russell 2000 Value	Small Cap Value	-2.6	-2.6	5.2	7.9	10.0
<b>International Equity</b>	<b>Style</b>	<b>QTR</b>	<b>YTD</b>	<b>1 Year</b>	<b>3 years</b>	<b>5 Years</b>
MSCI All Country World Ex US	Foreign Equity	-1.1	-1.1	17.1	6.7	6.4
MSCI EAFE	Developed Markets Equity	-1.4	-1.4	15.3	6.0	7.0
MSCI EAFE Growth	Developed Markets Growth	-1.0	-1.0	17.9	7.1	7.5
MSCI EAFE Value	Developed Markets Value	-1.9	-1.9	12.8	4.9	6.4
MSCI Emerging Markets	Emerging Markets Equity	1.5	1.5	25.4	9.2	5.4
<b>Domestic Fixed Income</b>	<b>Style</b>	<b>QTR</b>	<b>YTD</b>	<b>1 Year</b>	<b>3 years</b>	<b>5 Years</b>
Bloomberg Barclays Aggregate Index	Core Fixed Income	-1.5	-1.5	1.2	1.2	1.8
Bloomberg Barclays Capital Gov't Bond	Treasuries	-1.2	-1.2	0.4	0.5	1.1
Bloomberg Barclays Capital Credit Bond	Corporate Bonds	-2.1	-2.1	2.6	2.2	2.8
Intermediate Aggregate	Core Intermediate	-1.1	-1.1	0.5	1.0	1.5
ML/BoA 1-3 Year Treasury	Short Term Treasuries	-0.1	-0.1	0.0	0.4	0.5
Bloomberg Barclays Capital High Yield	High Yield Bonds	-0.9	-0.9	3.8	5.2	5.0
<b>Alternative Assets</b>	<b>Style</b>	<b>QTR</b>	<b>YTD</b>	<b>1 Year</b>	<b>3 years</b>	<b>5 Years</b>
Bloomberg Barclays Global Treasury Ex US	International Treasuries	4.5	4.5	11.2	4.8	1.3
NCREIF NFI-ODCE Index	Real Estate	2.2	2.2	8.1	10.0	11.4
HFRI FOF Composite	Hedge Funds	0.3	0.3	5.6	1.9	3.4

**APPENDIX - DISCLOSURES**

\* The shadow index is a customized index that matches your portfolio's asset allocation on a quarterly basis.

This index was calculated using the following asset classes and corresponding benchmarks:

Domestic Equity	Russell 3000
International Equity	MSCI EAFE
Private Equity	Cambridge US Private Equity
Real Estate	NCREIF NFI-ODCE Index
Global Fixed Income	Bloomberg Barclays Global Government Bond
Domestic Fixed Income	Bloomberg Barclays Aggregate Index
Cash & Equivalent	90 Day T Bill

\* Dahab Associates utilizes data provided by a custodian and other vendors it believes are reliable. However, it cannot assume responsibility for errors and omissions therefrom.

\* All returns were calculated on a time-weighted basis, and are gross of fees unless otherwise noted.

\* All returns for periods greater than one year are annualized.

\* Dahab Associates uses the modified duration measure to present average duration.

\* All values are in US dollars.

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
FIRST EAGLE - GLOBAL VALUE EQUITY  
PERFORMANCE REVIEW  
MARCH 2018



## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's First Eagle Global Value Equity portfolio was valued at \$40,861,555, a decrease of \$537,571 from the December ending value of \$41,399,126. Last quarter, the account recorded no net contributions or withdrawals, while recording a net investment loss for the quarter of \$537,571. Since there were no income receipts for the first quarter, net investment losses were the result of capital losses (realized and unrealized).

## **RELATIVE PERFORMANCE**

### **Total Fund**

During the first quarter, the First Eagle Global Value Equity portfolio lost 1.1%, which was 0.3% less than the MSCI All Country World index's return of -0.8% and ranked in the 55th percentile of the Global Equity universe. Over the trailing year, the portfolio returned 7.1%, which was 8.3% less than the benchmark's 15.4% performance, and ranked in the 89th percentile. Since June 2012, the account returned 8.9% per annum and ranked in the 88th percentile. For comparison, the MSCI All Country World returned an annualized 11.5% over the same time frame.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 06/12
<b>Total Portfolio - Gross</b>	-1.1	7.1	7.1	7.6	----	----	8.9
<i>GLOBAL EQUITY RANK</i>	(55)	(89)	(73)	(86)	----	----	(88)
<b>Total Portfolio - Net</b>	-1.3	6.3	6.3	6.8	----	----	8.1
MSCI AC World	-0.8	15.4	8.7	9.8	8.5	6.2	11.5
<b>International Equity - Gross</b>	-1.1	7.1	7.1	7.6	----	----	8.9
<i>GLOBAL EQUITY RANK</i>	(55)	(89)	(73)	(86)	----	----	(88)
MSCI AC World	-0.8	15.4	8.7	9.8	8.5	6.2	11.5

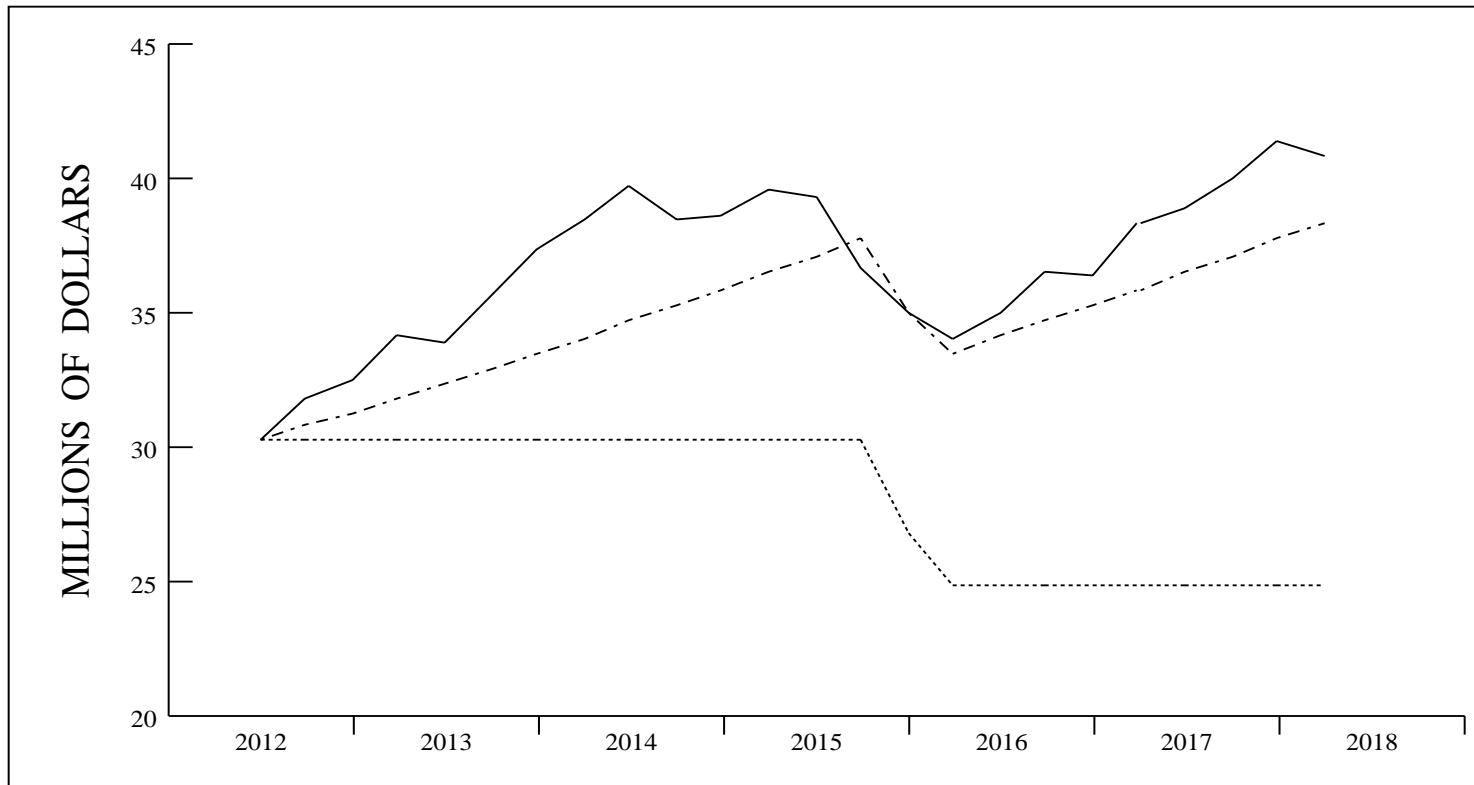
**ASSET ALLOCATION**

Int'l Equity	100.0%	\$ 40,861,555
Total Portfolio	100.0%	\$ 40,861,555

**INVESTMENT RETURN**

Market Value 12/2017	\$ 41,399,126
Contribs / Withdrawals	0
Income	0
Capital Gains / Losses	-537,571
Market Value 3/2018	\$ 40,861,555

**INVESTMENT GROWTH**

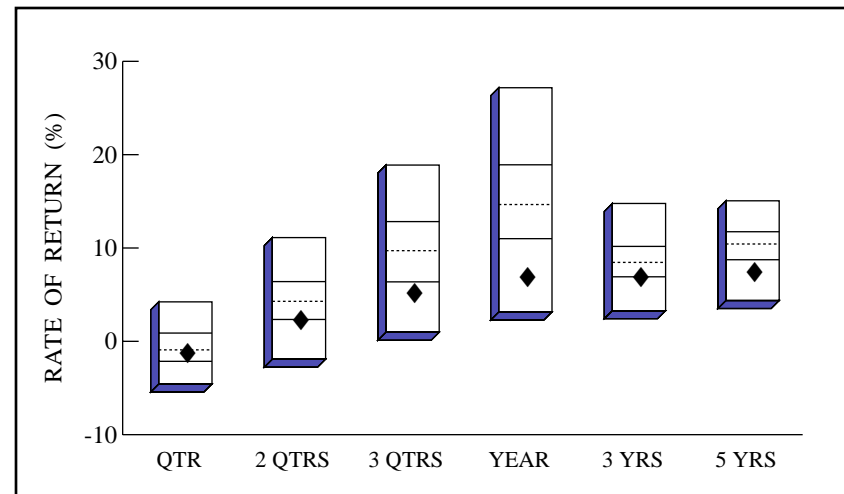
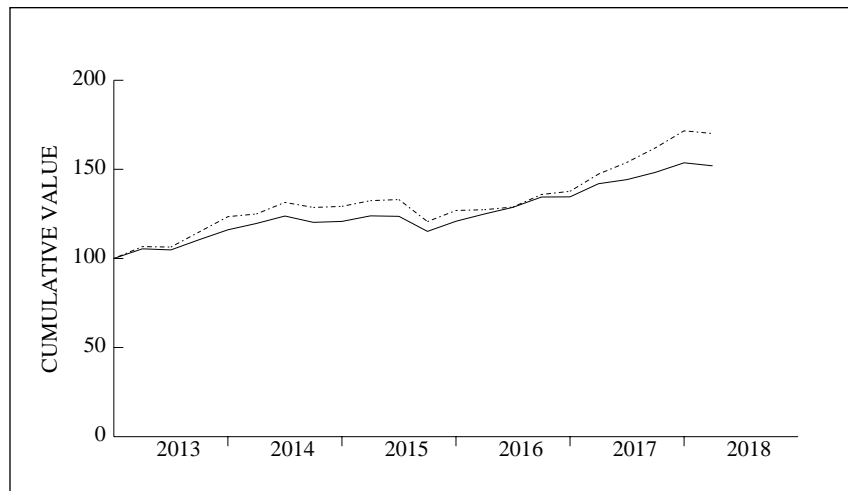


— ACTUAL RETURN  
 - - - 7.0%  
 ..... 0.0%

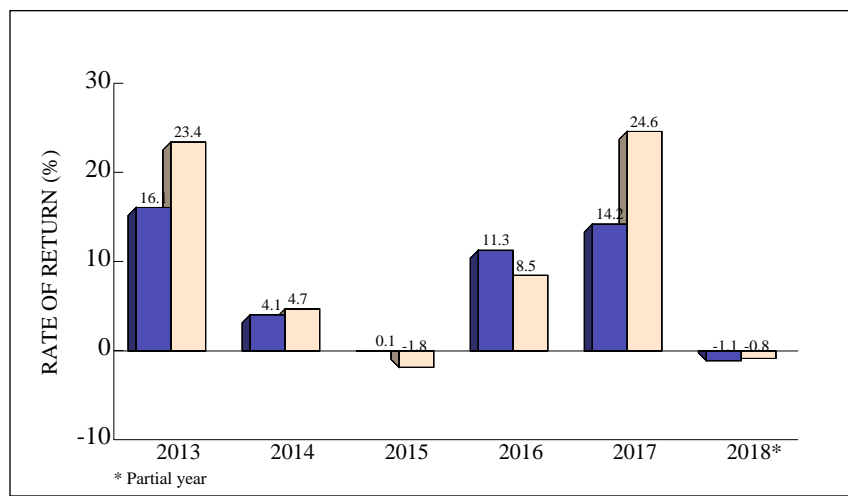
**VALUE ASSUMING**  
 7.0% RETURN \$ 38,470,989

	LAST QUARTER	PERIOD 6/12 - 3/18
BEGINNING VALUE	\$ 41,399,126	\$ 30,334,251
NET CONTRIBUTIONS	0	- 5,400,023
<u>INVESTMENT RETURN</u>	<u>-537,571</u>	<u>15,927,327</u>
ENDING VALUE	\$ 40,861,555	\$ 40,861,555
INCOME	0	0
<u>CAPITAL GAINS (LOSSES)</u>	<u>-537,571</u>	<u>15,927,327</u>
INVESTMENT RETURN	-537,571	15,927,327

**TOTAL RETURN COMPARISONS**



Global Equity Universe

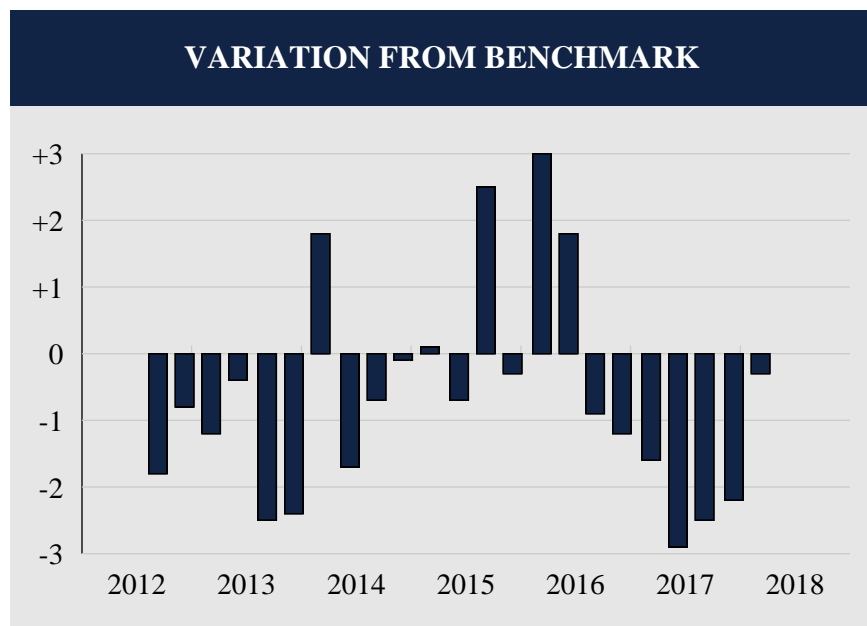


	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	-1.1	2.5	5.4	7.1	7.1	7.6
(RANK)	(55)	(74)	(82)	(89)	(73)	(86)
5TH %ILE	4.2	11.1	18.9	27.2	14.8	15.1
25TH %ILE	0.9	6.4	12.8	18.9	10.2	11.8
MEDIAN	-0.9	4.3	9.7	14.7	8.5	10.4
75TH %ILE	-2.2	2.4	6.4	11.0	6.9	8.7
95TH %ILE	-4.6	-1.9	1.0	3.1	3.3	4.4
<b>MSCI World</b>	<b>-0.8</b>	<b>4.9</b>	<b>10.5</b>	<b>15.4</b>	<b>8.7</b>	<b>9.8</b>

Global Equity Universe

**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY**

**COMPARATIVE BENCHMARK: MSCI ALL COUNTRY WORLD**



RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
9/12	5.2	7.0	-1.8
12/12	2.2	3.0	-0.8
3/13	5.4	6.6	-1.2
6/13	-0.6	-0.2	-0.4
9/13	5.5	8.0	-2.5
12/13	5.0	7.4	-2.4
3/14	3.0	1.2	1.8
6/14	3.5	5.2	-1.7
9/14	-2.9	-2.2	-0.7
12/14	0.4	0.5	-0.1
3/15	2.5	2.4	0.1
6/15	-0.2	0.5	-0.7
9/15	-6.8	-9.3	2.5
12/15	4.9	5.2	-0.3
3/16	3.4	0.4	3.0
6/16	3.0	1.2	1.8
9/16	4.5	5.4	-0.9
12/16	0.1	1.3	-1.2
3/17	5.5	7.1	-1.6
6/17	1.6	4.5	-2.9
9/17	2.8	5.3	-2.5
12/17	3.6	5.8	-2.2
3/18	-1.1	-0.8	-0.3

<b>Total Quarters Observed</b>	<b>23</b>
<b>Quarters At or Above the Benchmark</b>	<b>5</b>
<b>Quarters Below the Benchmark</b>	<b>18</b>
<b>Batting Average</b>	<b>.217</b>

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
ATTUCKS - EMERGING MANAGER  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Attucks Emerging Manager portfolio was valued at \$56,247,760, a decrease of \$270,082 from the December ending value of \$56,517,842. Last quarter, the account recorded total net withdrawals of \$186 in addition to \$269,896 in net investment losses. The fund's net investment loss was a result of income receipts totaling \$242,866 and realized and unrealized capital losses totaling \$512,762.

## **RELATIVE PERFORMANCE**

### **Total Fund**

During the first quarter, the Attucks Emerging Manager portfolio lost 0.5%, which was 0.3% greater than the S&P 500 Index's return of -0.8% and ranked in the 44th percentile of the Large Cap universe. Over the trailing year, the portfolio returned 17.7%, which was 3.7% greater than the benchmark's 14.0% performance, and ranked in the 27th percentile. Since June 2011, the account returned 12.0% per annum and ranked in the 72nd percentile. For comparison, the S&P 500 returned an annualized 13.2% over the same time frame.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 06/11
<b>Total Portfolio - Gross</b>	-0.5	17.7	9.5	12.5	----	----	12.0
<i>LARGE CAP RANK</i>	(44)	(27)	(62)	(64)	----	----	(72)
<b>Total Portfolio - Net</b>	-0.6	17.0	8.8	11.8	----	----	11.3
S&P 500	-0.8	14.0	10.8	13.3	12.7	9.5	13.2
<b>Domestic Equity - Gross</b>	-0.5	17.7	9.5	12.5	----	----	12.0
<i>LARGE CAP RANK</i>	(44)	(27)	(62)	(64)	----	----	(72)
S&P 500	-0.8	14.0	10.8	13.3	12.7	9.5	13.2

**ASSET ALLOCATION**

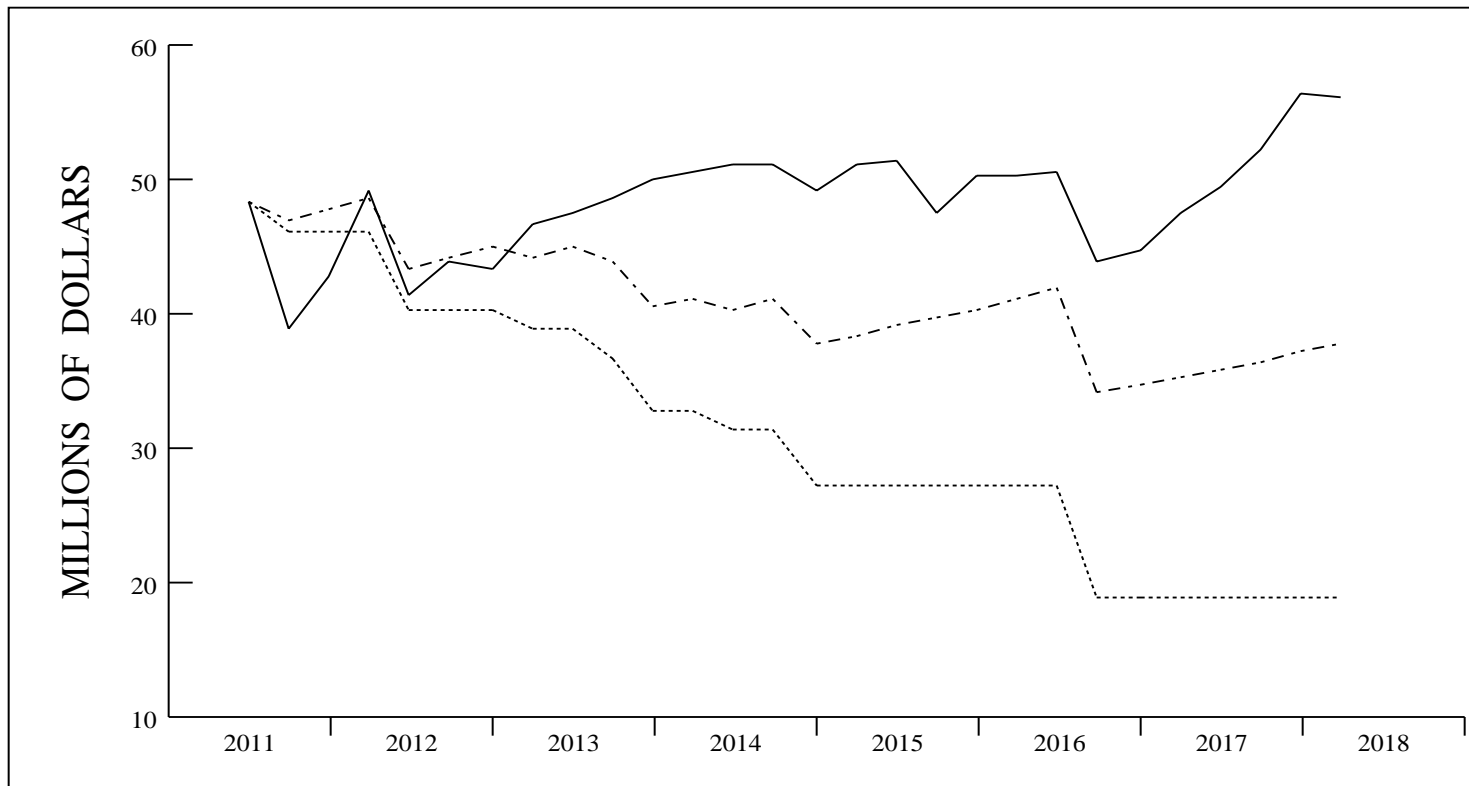
Domestic Equity	100.0%	\$ 56,247,760
Total Portfolio	100.0%	\$ 56,247,760

**INVESTMENT RETURN**

Market Value 12/2017	\$ 56,517,842
Contribs / Withdrawals	-186
Income	242,866
Capital Gains / Losses	-512,762
Market Value 3/2018	\$ 56,247,760



**INVESTMENT GROWTH**



— ACTUAL RETURN  
 - - - 7.0%  
 ..... 0.0%

VALUE ASSUMING  
 7.0% RETURN \$ 37,869,511

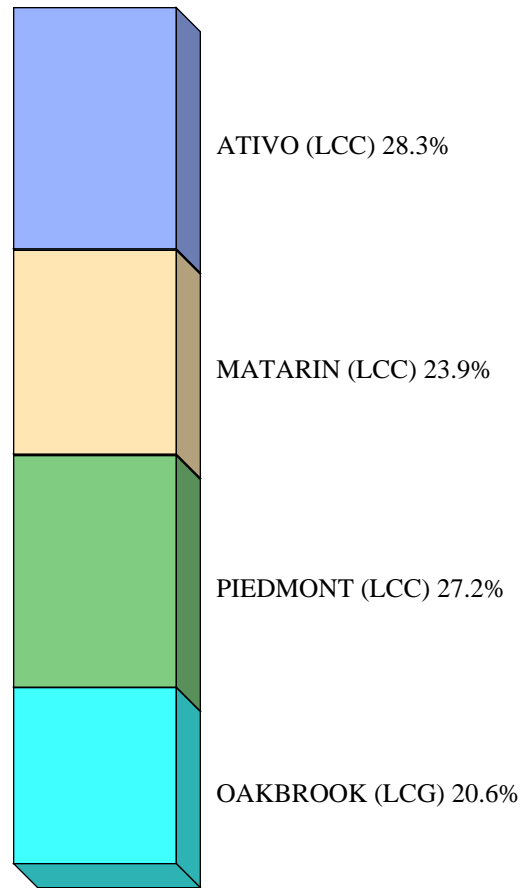
	LAST QUARTER	PERIOD 6/11 - 3/18
BEGINNING VALUE	\$ 56,517,842	\$ 48,594,092
NET CONTRIBUTIONS	-186	- 29,591,662
<u>INVESTMENT RETURN</u>	<u>-269,896</u>	<u>37,245,330</u>
ENDING VALUE	\$ 56,247,760	\$ 56,247,760
INCOME	242,866	6,096,711
<u>CAPITAL GAINS (LOSSES)</u>	<u>-512,762</u>	<u>31,148,620</u>
INVESTMENT RETURN	-269,896	37,245,330

**PONTIAC GENERAL EMPLOYEES RETIREMENT SYSTEM**  
**ATTUCKS EMERGING MANAGER SUMMARY AS OF MARCH 2018**

Portfolio	Universe	Quarter		1 Year		3 Years		5 Years	
<b>Attucks Emerging Mgr</b>	(Large Cap)	<b>-0.5</b>	<b>(44)</b>	<b>17.7</b>	<b>(27)</b>	<b>9.5</b>	<b>(62)</b>	<b>12.5</b>	<b>(64)</b>
<b>Net of mgr fees &amp; gross of Attucks fees</b>		<b>-0.6</b>		<b>17.3</b>		<b>9.1</b>		<b>12.2</b>	
<b>Attucks Emerging Mgr net of all fees</b>		<b>-0.6</b>		<b>17.0</b>		<b>8.8</b>		<b>11.8</b>	
<i><b>S&amp;P 500</b></i>		<i><b>-0.8</b></i>		<i><b>14.0</b></i>		<i><b>10.8</b></i>		<i><b>13.3</b></i>	
Ativo	(Large Cap Core)	0.4	(26)	16.7	(26)	10.3	(47)	12.8	(64)
Ativo net of fees		0.4		16.4		10.0		12.4	
<i><b>S&amp;P 500</b></i>		<i><b>-0.8</b></i>		<i><b>14.0</b></i>		<i><b>10.8</b></i>		<i><b>13.3</b></i>	
Matarin	(Large Cap Core)	0.2	(29)	20.5	(5)	----	----	----	----
Matarin net of fees		0.1		20.1		----		----	
<i><b>S&amp;P 500</b></i>		<i><b>-0.8</b></i>		<i><b>14.0</b></i>		<i><b>10.8</b></i>		<i><b>13.3</b></i>	
Piedmont	(Large Cap Core)	-3.3	(98)	13.6	(59)	7.5	(89)	11.8	(82)
Piedmont net of fees		-3.4		13.2		7.2		11.4	
<i><b>S&amp;P 500</b></i>		<i><b>-0.8</b></i>		<i><b>14.0</b></i>		<i><b>10.8</b></i>		<i><b>13.3</b></i>	
Oakbrook	(Large Cap Growth)	1.4	(65)	21.7	(44)	13.6	(22)	16.3	(25)
Oakbrook net of fees		1.3		21.3		13.3		16.0	
<i><b>Russell 1000 Growth</b></i>		<i><b>1.4</b></i>		<i><b>21.3</b></i>		<i><b>12.9</b></i>		<i><b>15.5</b></i>	

*\*Actual fee schedule for historical manager Union Heritage could not be obtained. An expense ratio of 32.5 bps was assumed, putting it in line with the other managers.*

**MANAGER ALLOCATION SUMMARY**

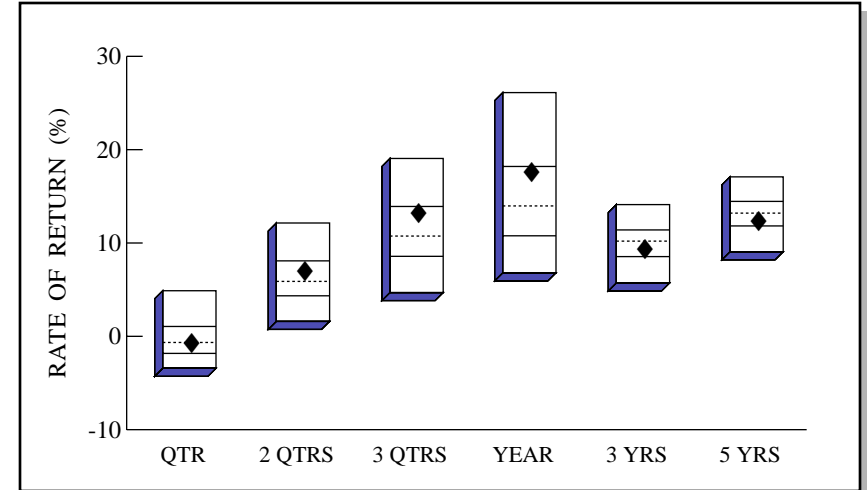
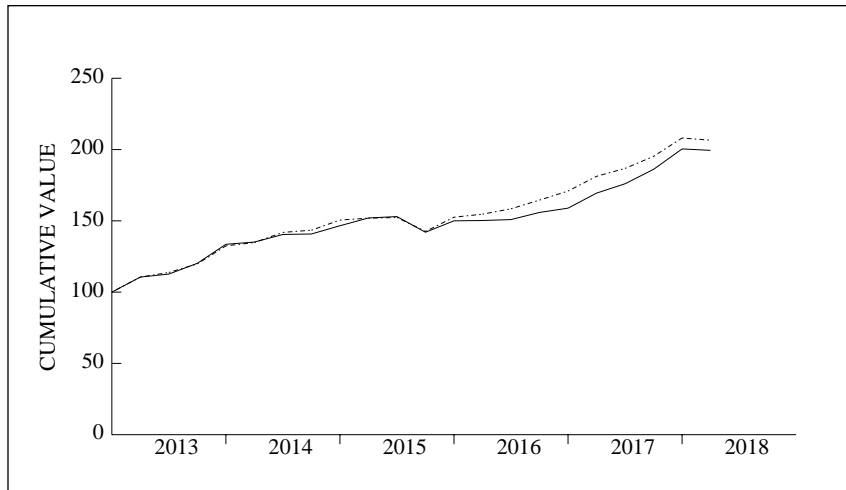


Name	Market Value	Percent
Ativo (LCC)	\$15,915,750	28.3
Matarin (LCC)	\$13,448,441	23.9
Piedmont (LCC)	\$15,281,794	27.2
Oakbrook (LCG)	\$11,601,775	20.6
<b>Total</b>	<b>\$56,247,760</b>	<b>100.0</b>

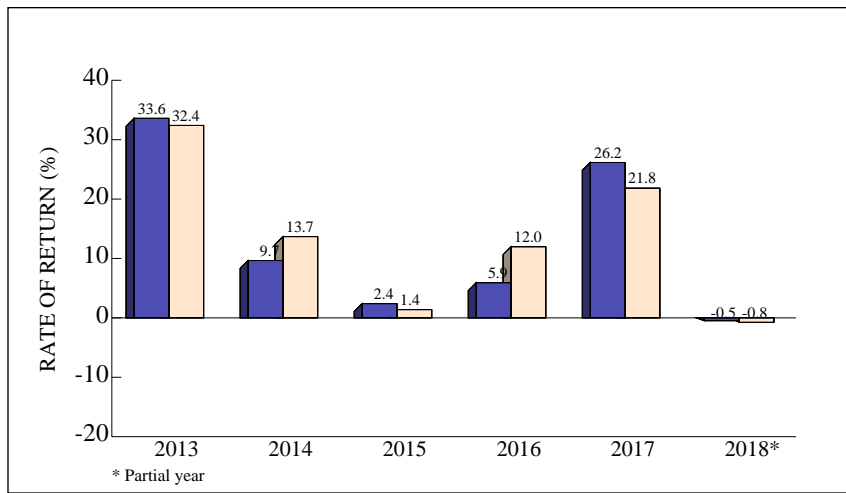
**INVESTMENT RETURN SUMMARY - ONE QUARTER**

<b>Name</b>	<b>Quarter Total Return</b>	<b>Market Value December 31st, 2017</b>	<b>Net Cashflow</b>	<b>Net Investment Return</b>	<b>Market Value March 31st, 2018</b>
Ativo (LCC)	0.4	15,844,993	-36	70,793	15,915,750
Matarin (LCC)	0.2	13,424,894	-45	23,592	13,448,441
Piedmont (LCC)	-3.3	15,806,923	-92	-525,037	15,281,794
Oakbrook (LCG)	1.4	11,441,032	-13	160,756	11,601,775
<b>Total Portfolio</b>	<b>-0.5</b>	<b>56,517,842</b>	<b>-186</b>	<b>-269,896</b>	<b>56,247,760</b>

**TOTAL RETURN COMPARISONS**



Large Cap Universe

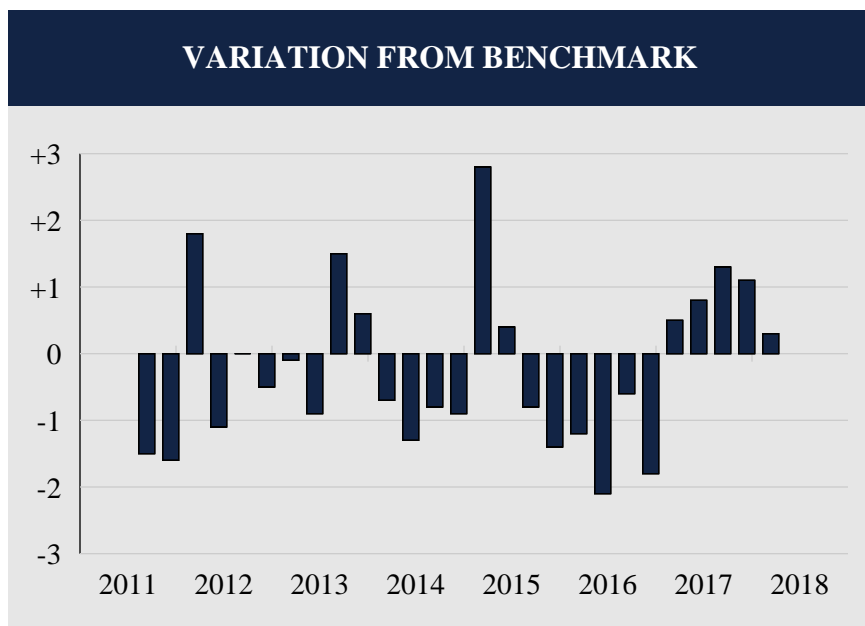


	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	-0.5	7.2	13.4	17.7	9.5	12.5
(RANK)	(44)	(34)	(28)	(27)	(62)	(64)
5TH %ILE	4.9	12.2	19.1	26.1	14.1	17.1
25TH %ILE	1.1	8.1	13.9	18.2	11.4	14.5
MEDIAN	-0.7	5.9	10.7	14.0	10.2	13.2
75TH %ILE	-1.8	4.4	8.6	10.8	8.5	11.8
95TH %ILE	-3.4	1.6	4.7	6.8	5.7	9.1
<b>S&amp;P 500</b>	<b>-0.8</b>	<b>5.8</b>	<b>10.6</b>	<b>14.0</b>	<b>10.8</b>	<b>13.3</b>

Large Cap Universe

**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY**

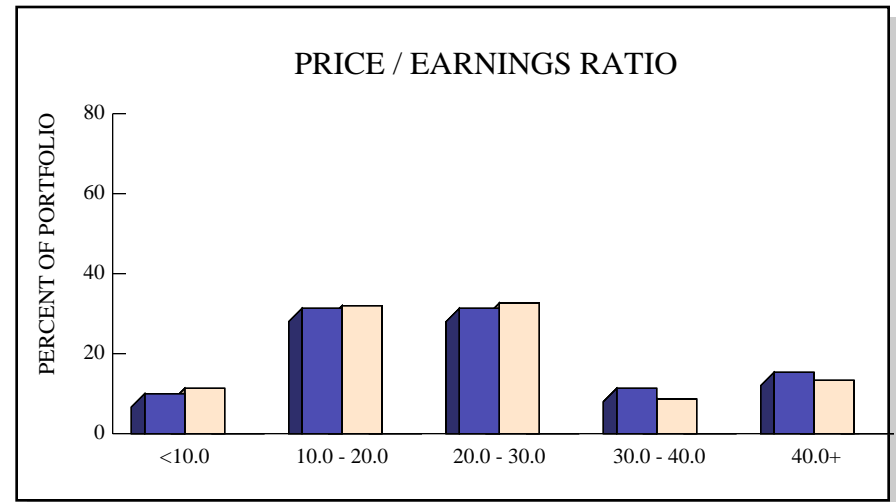
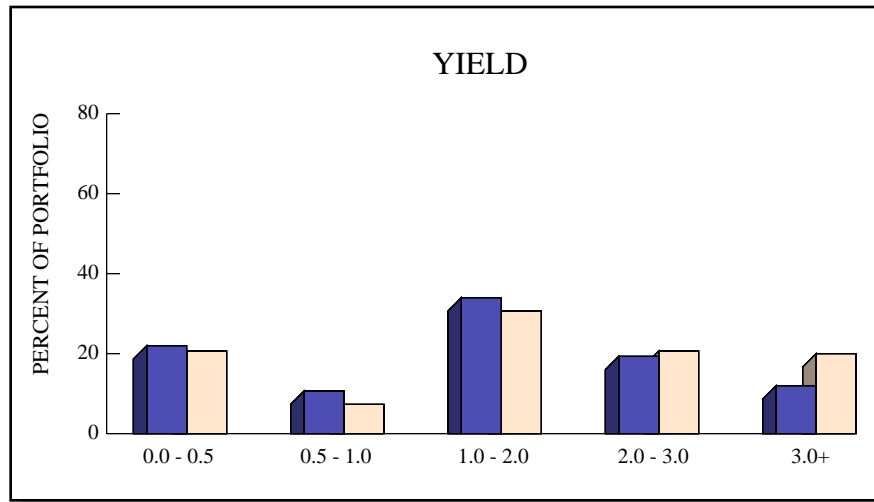
**COMPARATIVE BENCHMARK: S&P 500**



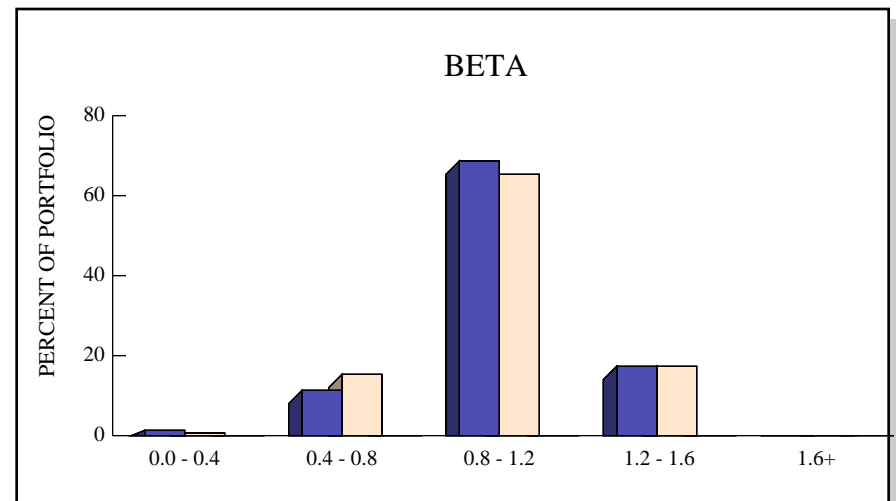
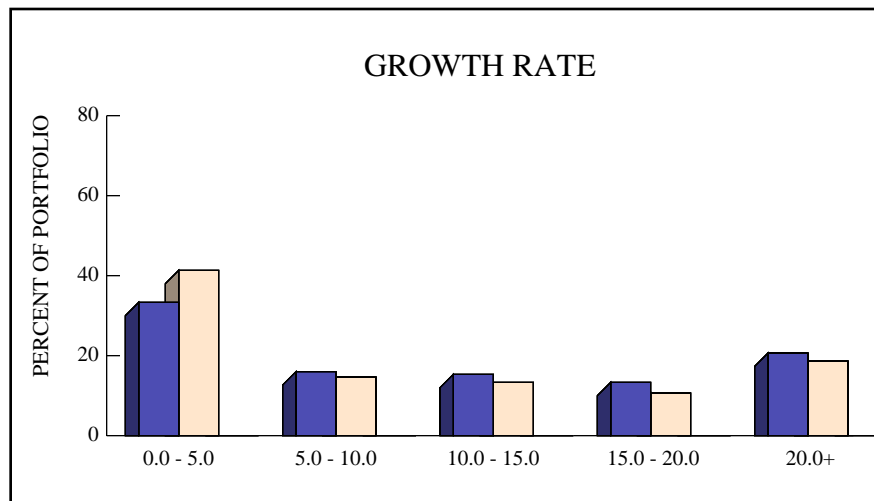
RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
9/11	-15.4	-13.9	-1.5
12/11	10.2	11.8	-1.6
3/12	14.4	12.6	1.8
6/12	-3.9	-2.8	-1.1
9/12	6.3	6.3	0.0
12/12	-0.9	-0.4	-0.5
3/13	10.5	10.6	-0.1
6/13	2.0	2.9	-0.9
9/13	6.7	5.2	1.5
12/13	11.1	10.5	0.6
3/14	1.1	1.8	-0.7
6/14	3.9	5.2	-1.3
9/14	0.3	1.1	-0.8
12/14	4.0	4.9	-0.9
3/15	3.7	0.9	2.8
6/15	0.7	0.3	0.4
9/15	-7.2	-6.4	-0.8
12/15	5.6	7.0	-1.4
3/16	0.1	1.3	-1.2
6/16	0.4	2.5	-2.1
9/16	3.3	3.9	-0.6
12/16	2.0	3.8	-1.8
3/17	6.6	6.1	0.5
6/17	3.9	3.1	0.8
9/17	5.8	4.5	1.3
12/17	7.7	6.6	1.1
3/18	-0.5	-0.8	0.3

<b>Total Quarters Observed</b>	<b>27</b>
<b>Quarters At or Above the Benchmark</b>	<b>11</b>
<b>Quarters Below the Benchmark</b>	<b>16</b>
<b>Batting Average</b>	<b>.407</b>

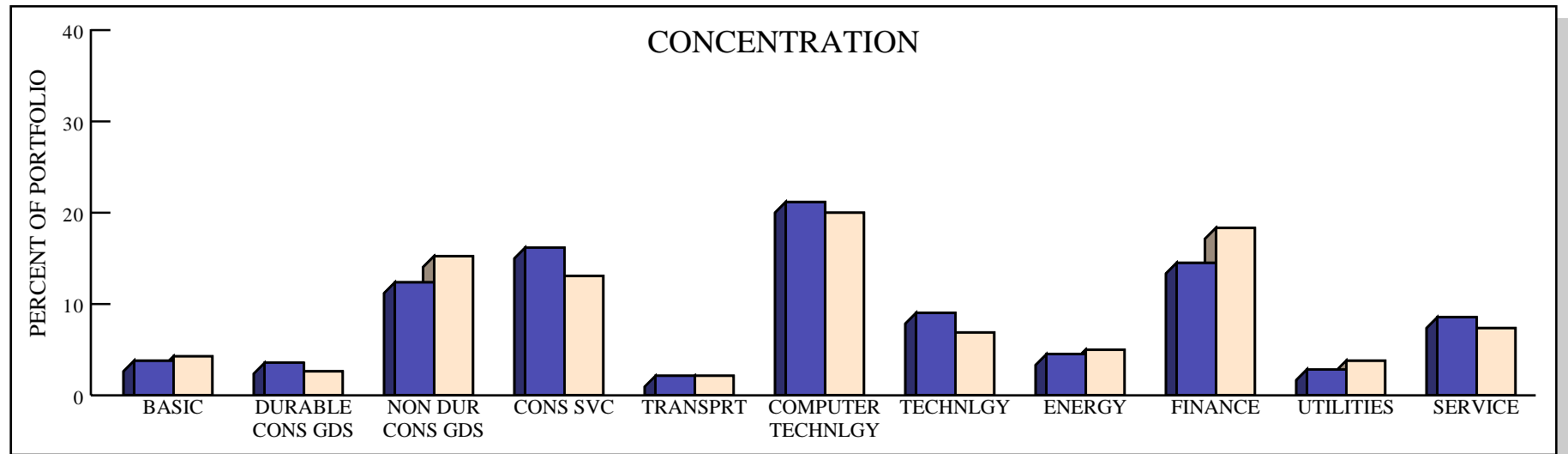
**STOCK CHARACTERISTICS**



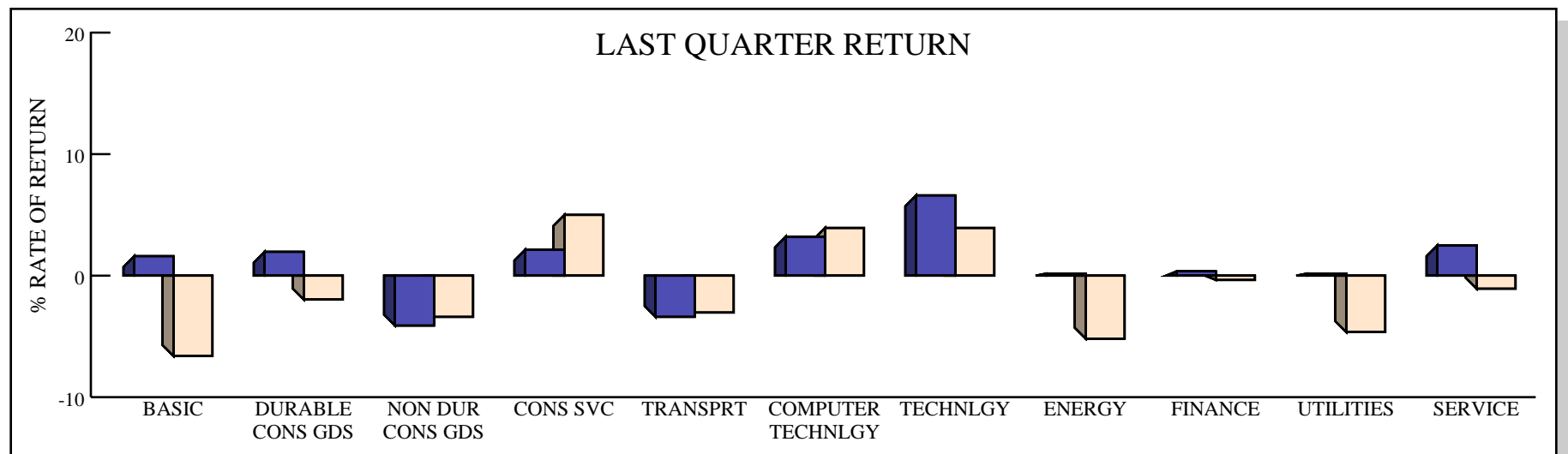
	# HOLDINGS	YIELD	GROWTH	P/E	BETA
PORTFOLIO	397	1.6%	11.6%	25.8	1.00
S&P 500	505	1.9%	9.1%	24.0	1.00



**STOCK INDUSTRY ANALYSIS**

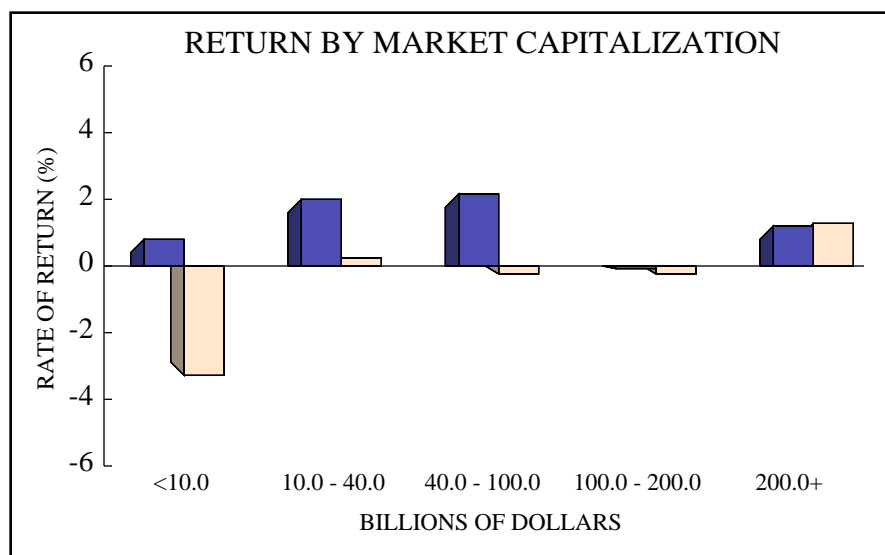
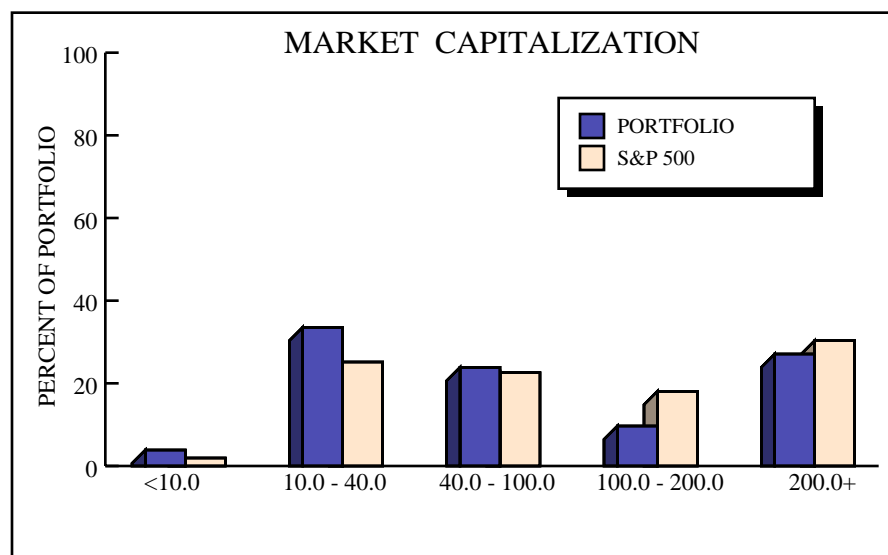


■ PORTFOLIO      ■ S&P 500





**TOP TEN HOLDINGS**



**TOP TEN EQUITY HOLDINGS**

RANK	NAME	VALUE	% EQUITY	RETURN	INDUSTRY SECTOR	MKT CAP
1	APPLE INC	\$ 2,685,319	4.77%	-0.5%	Computer Tech	\$ 851.3 B
2	ALPHABET INC-CL A	1,644,904	2.92%	-1.5%	Computer Tech	309.6 B
3	MICROSOFT CORP	1,623,237	2.89%	7.2%	Computer Tech	702.8 B
4	AMAZON.COM INC	1,123,136	2.00%	23.8%	Consumer Service	700.7 B
5	HOME DEPOT INC	1,075,500	1.91%	-5.4%	Consumer Service	206.3 B
6	MASTERCARD INC - A	1,046,406	1.86%	15.9%	Finance	181.7 B
7	FACEBOOK INC-A	1,020,419	1.81%	-9.5%	Computer Tech	382.8 B
8	LYONDELLBASELL INDU-CL A	993,392	1.77%	-3.3%	NonDur Cons Goods	41.7 B
9	VALERO ENERGY CORP	948,759	1.69%	1.8%	Energy	40.0 B
10	JPMORGAN CHASE & CO	863,814	1.54%	3.4%	Finance	375.0 B

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
SAWGRASS - LARGE CAP GROWTH  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Sawgrass Large Cap Growth portfolio was valued at \$36,535,782, a decrease of \$5,703,499 from the December ending value of \$42,239,281. Last quarter, the account recorded a net withdrawal of \$6,000,494, which overshadowed the fund's net investment return of \$296,995. Income receipts totaling \$151,423 and realized and unrealized capital gains of \$145,572 combined to produce the portfolio's net investment return.

## **RELATIVE PERFORMANCE**

### **Total Fund**

During the first quarter, the Sawgrass Large Cap Growth portfolio gained 0.7%, which was 0.7% less than the Russell 1000 Growth Index's return of 1.4% and ranked in the 73rd percentile of the Large Cap Growth universe. Over the trailing year, the portfolio returned 16.1%, which was 5.2% less than the benchmark's 21.3% performance, and ranked in the 82nd percentile. Since December 2007, the account returned 8.6% per annum. For comparison, the Russell 1000 Growth returned an annualized 9.9% over the same time frame.

## **HOLDINGS ANALYSIS**

Last quarter, the Sawgrass portfolio was invested in ten of the eleven industry sectors shown in our analysis. With regard to the Russell 1000 Growth index, the portfolio emphasized the Durable Consumer Goods, Non-Durable Consumer Goods, Utilities and Service sectors. In contrast, the fund was most underweight in the Basic, Computer Technology, and Technology sectors. The Energy sector, which made up only a sliver of the index, was not invested. All other industry sectors were concentrated similarly to the index.

Selection effects were unfavorable to the Sawgrass portfolio in the first quarter, as six of the ten invested sectors failed to outpace the benchmark. The Basic, Consumer Service, and Utilities sectors most notably underperformed, compounding performance deficits with overweight positions, while the heavily weighted Computer Technology sector also fell short of the index.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 12/07
<b>Total Portfolio - Gross</b>	0.7	16.1	9.9	13.3	13.5	10.1	8.6
<i>LARGE CAP GROWTH RANK</i>	(73)	(82)	(78)	(77)	(46)	(70)	----
<b>Total Portfolio - Net</b>	0.6	15.5	9.3	12.7	12.9	9.7	8.2
Russell 1000G	1.4	21.3	12.9	15.5	14.1	11.3	9.9
<b>Domestic Equity - Gross</b>	0.7	16.1	9.9	13.3	13.5	10.1	8.6
<i>LARGE CAP GROWTH RANK</i>	(73)	(82)	(78)	(77)	(46)	(70)	----
Russell 1000G	1.4	21.3	12.9	15.5	14.1	11.3	9.9

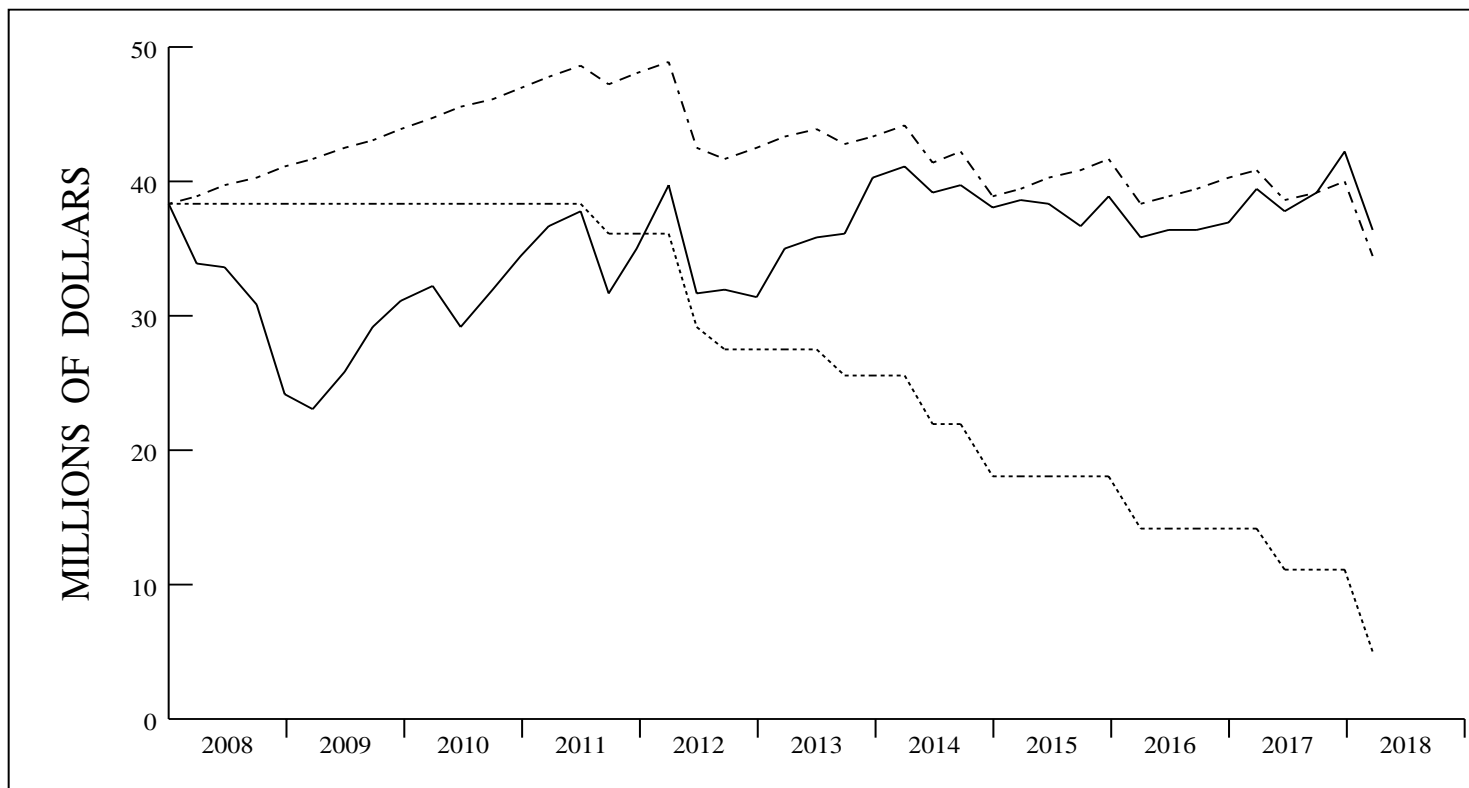
**ASSET ALLOCATION**

Domestic Equity	100.0%	\$ 36,535,782
Total Portfolio	100.0%	\$ 36,535,782

**INVESTMENT RETURN**

Market Value 12/2017	\$ 42,239,281
Contribs / Withdrawals	- 6,000,494
Income	151,423
Capital Gains / Losses	145,572
Market Value 3/2018	\$ 36,535,782

**INVESTMENT GROWTH**

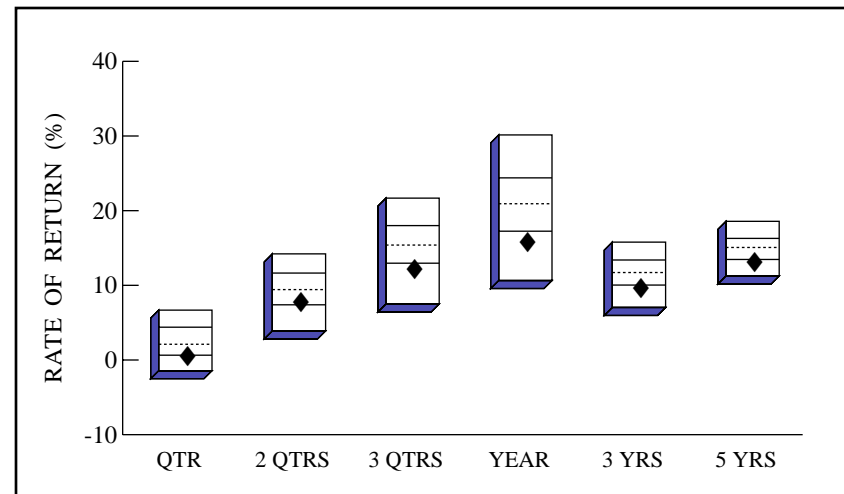
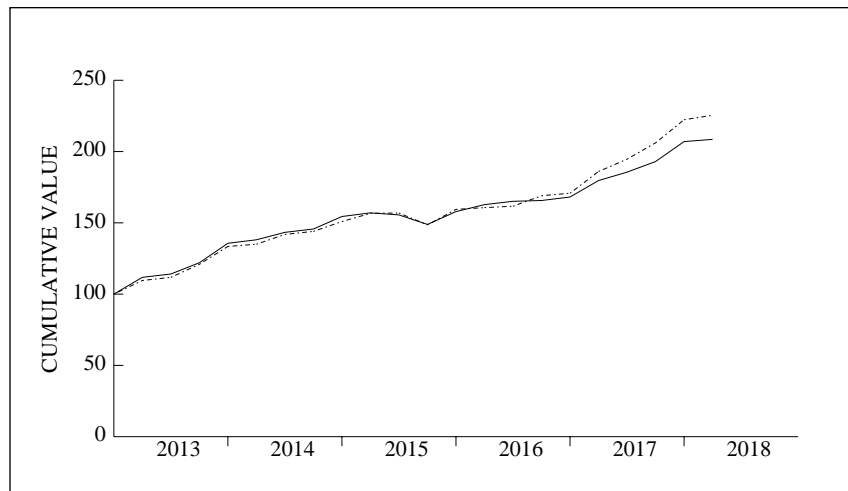


— ACTUAL RETURN  
 - - - 7.0%  
 . . . 0.0%

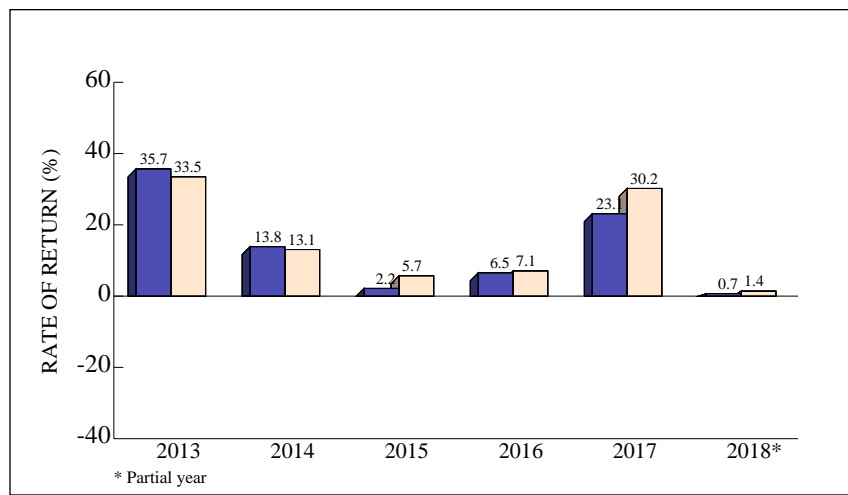
VALUE ASSUMING  
 7.0% RETURN \$ 34,709,130

	LAST QUARTER	PERIOD 12/07 - 3/18
BEGINNING VALUE	\$ 42,239,281	\$ 38,467,655
NET CONTRIBUTIONS	- 6,000,494	- 33,262,820
<u>INVESTMENT RETURN</u>	<u>296,995</u>	<u>31,330,947</u>
ENDING VALUE	\$ 36,535,782	\$ 36,535,782
INCOME	151,423	3,985,071
<u>CAPITAL GAINS (LOSSES)</u>	<u>145,572</u>	<u>27,345,876</u>
INVESTMENT RETURN	296,995	31,330,947

**TOTAL RETURN COMPARISONS**



Large Cap Growth Universe

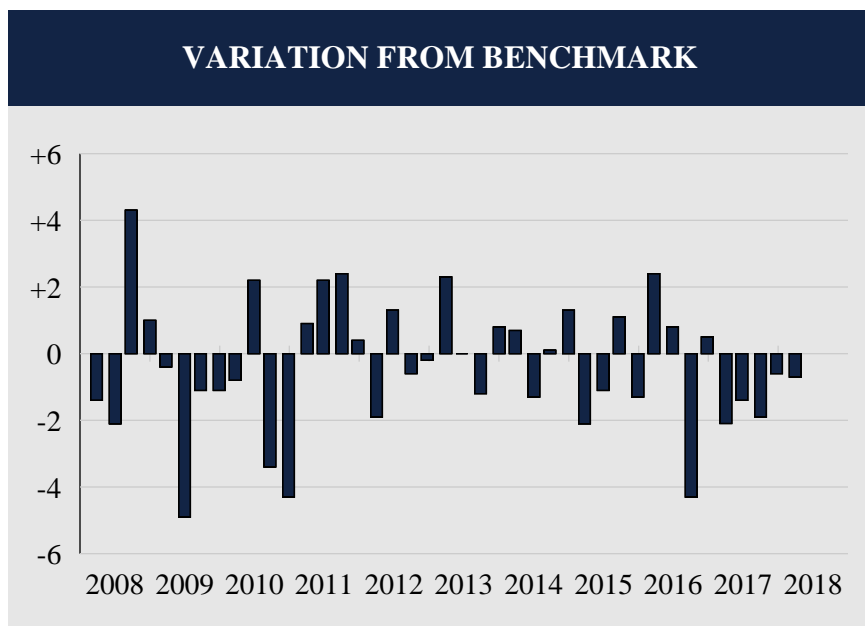


	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	0.7	8.0	12.4	16.1	9.9	13.3
(RANK)	(73)	(71)	(80)	(82)	(78)	(77)
5TH %ILE	6.7	14.2	21.7	30.1	15.8	18.6
25TH %ILE	4.4	11.6	18.0	24.4	13.4	16.3
MEDIAN	2.1	9.4	15.4	20.9	11.7	15.1
75TH %ILE	0.7	7.4	13.0	17.2	10.0	13.5
95TH %ILE	-1.4	3.9	7.5	10.7	7.0	11.3
<b>Russ 1000G</b>	<b>1.4</b>	<b>9.4</b>	<b>15.8</b>	<b>21.3</b>	<b>12.9</b>	<b>15.5</b>

Large Cap Growth Universe

### TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

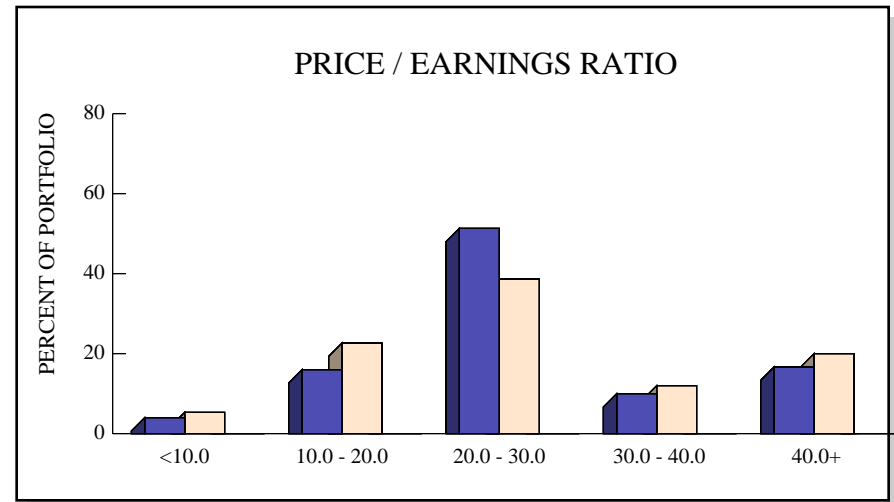
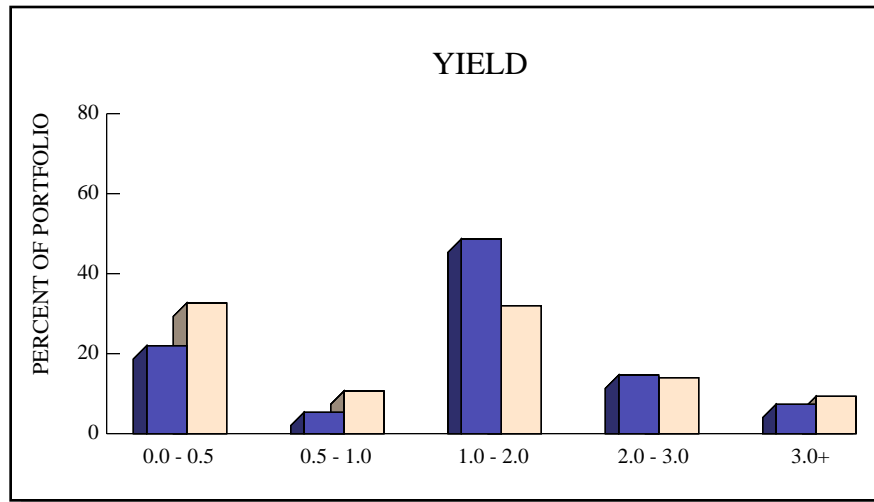
COMPARATIVE BENCHMARK: RUSSELL 1000 GROWTH



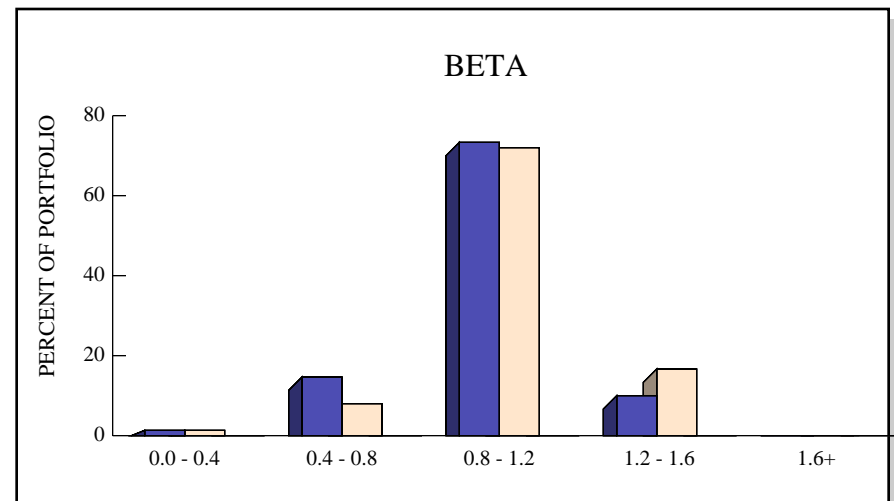
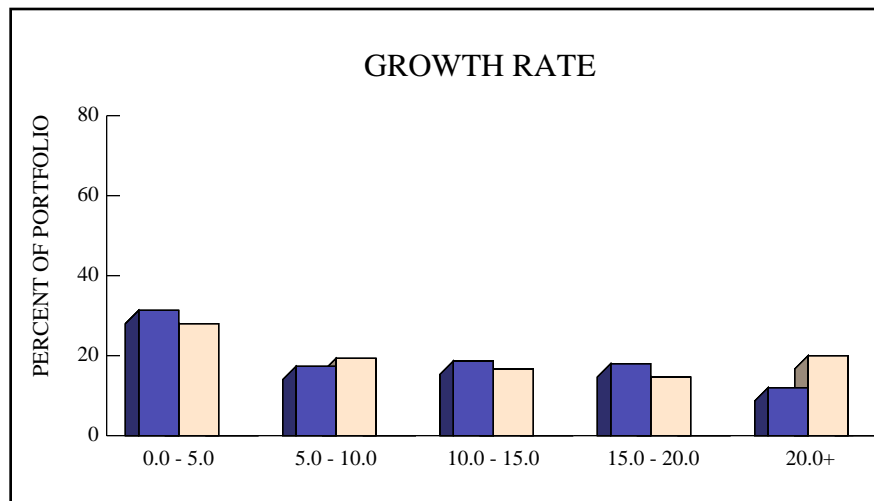
<b>Total Quarters Observed</b>	<b>41</b>
<b>Quarters At or Above the Benchmark</b>	<b>18</b>
<b>Quarters Below the Benchmark</b>	<b>23</b>
<b>Batting Average</b>	<b>.439</b>

RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
3/08	-11.6	-10.2	-1.4
6/08	-0.8	1.3	-2.1
9/08	-8.0	-12.3	4.3
12/08	-21.8	-22.8	1.0
3/09	-4.5	-4.1	-0.4
6/09	11.4	16.3	-4.9
9/09	12.9	14.0	-1.1
12/09	6.8	7.9	-1.1
3/10	3.9	4.7	-0.8
6/10	-9.6	-11.8	2.2
9/10	9.6	13.0	-3.4
12/10	7.5	11.8	-4.3
3/11	6.9	6.0	0.9
6/11	3.0	0.8	2.2
9/11	-10.7	-13.1	2.4
12/11	11.0	10.6	0.4
3/12	12.8	14.7	-1.9
6/12	-2.7	-4.0	1.3
9/12	5.5	6.1	-0.6
12/12	-1.5	-1.3	-0.2
3/13	11.8	9.5	2.3
6/13	2.1	2.1	0.0
9/13	6.9	8.1	-1.2
12/13	11.2	10.4	0.8
3/14	1.8	1.1	0.7
6/14	3.8	5.1	-1.3
9/14	1.6	1.5	0.1
12/14	6.1	4.8	1.3
3/15	1.7	3.8	-2.1
6/15	-1.0	0.1	-1.1
9/15	-4.2	-5.3	1.1
12/15	6.0	7.3	-1.3
3/16	3.1	0.7	2.4
6/16	1.4	0.6	0.8
9/16	0.3	4.6	-4.3
12/16	1.5	1.0	0.5
3/17	6.8	8.9	-2.1
6/17	3.3	4.7	-1.4
9/17	4.0	5.9	-1.9
12/17	7.3	7.9	-0.6
3/18	0.7	1.4	-0.7

**STOCK CHARACTERISTICS**

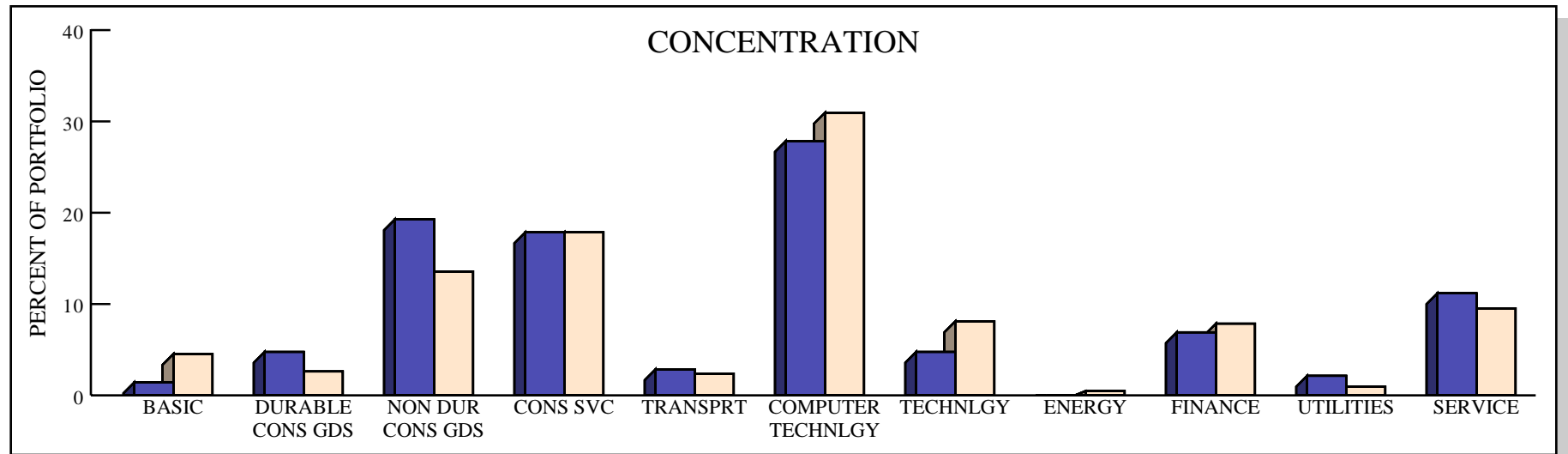


	# HOLDINGS	YIELD	GROWTH	P/E	BETA
PORTFOLIO	51	1.5%	9.4%	29.0	0.96
RUSSELL 1000G	553	1.3%	12.6%	29.0	1.01

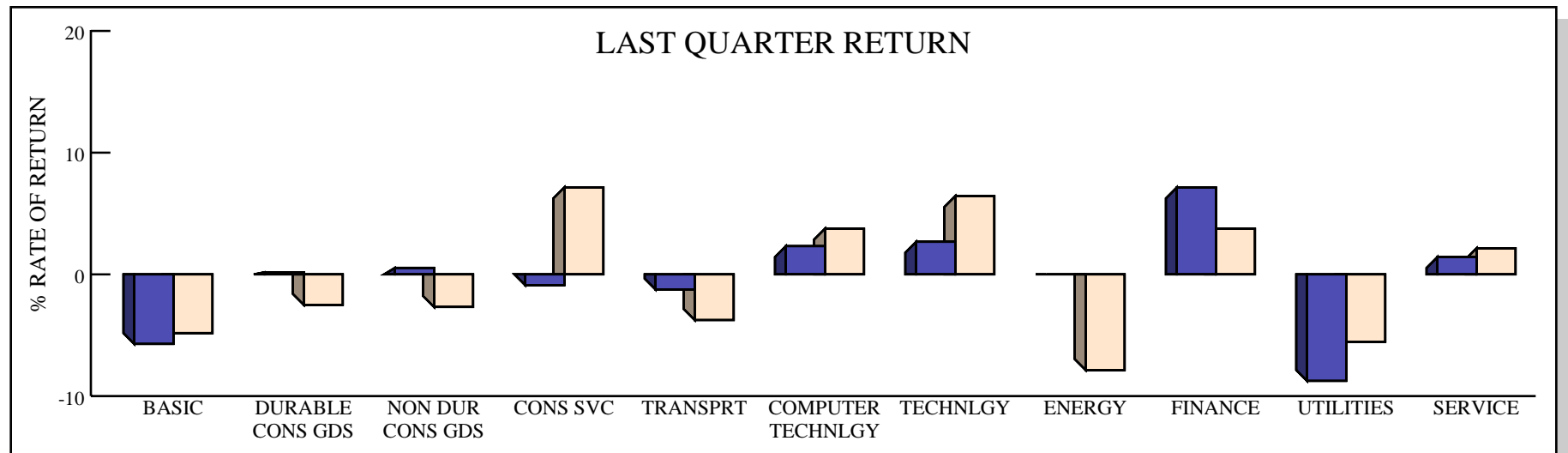




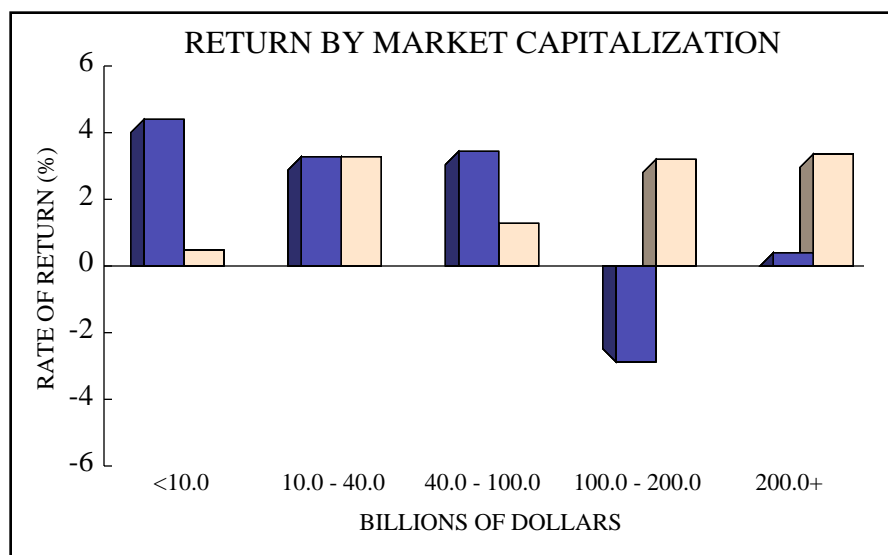
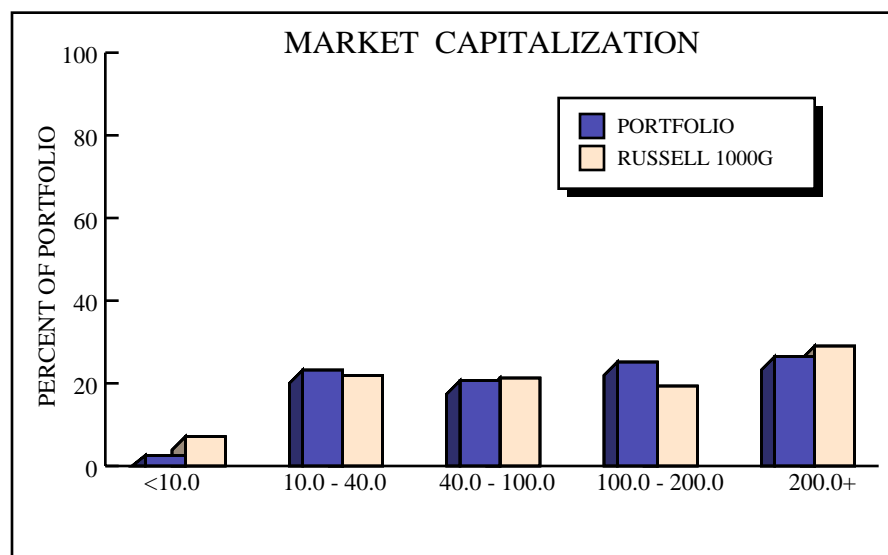
**STOCK INDUSTRY ANALYSIS**



■ PORTFOLIO      ■ RUSSELL 1000 GROWTH



**TOP TEN HOLDINGS**



**TOP TEN EQUITY HOLDINGS**

RANK	NAME	VALUE	% EQUITY	RETURN	INDUSTRY SECTOR	MKT CAP
1	APPLE INC	\$ 1,966,382	5.38%	-0.5%	Computer Tech	\$ 851.3 B
2	MICROSOFT CORP	1,914,845	5.24%	7.2%	Computer Tech	702.8 B
3	ALPHABET INC-CL A	1,763,138	4.83%	-1.5%	Computer Tech	309.6 B
4	TJX COMPANIES INC	1,106,769	3.03%	7.1%	Consumer Service	51.6 B
5	STARBUCKS CORP	991,656	2.71%	1.4%	Consumer Service	81.4 B
6	MASTERCARD INC - A	986,151	2.70%	15.9%	Finance	181.7 B
7	HOME DEPOT INC	983,885	2.69%	-5.4%	Consumer Service	206.3 B
8	ORACLE CORP	974,933	2.67%	-2.9%	Computer Tech	186.8 B
9	NIKE INC -CL B	960,058	2.63%	6.5%	NonDur Cons Goods	86.2 B
10	UNITEDHEALTH GROUP INC	900,940	2.47%	-2.6%	Consumer Service	207.1 B

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
ATTUCKS - MICHIGAN  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Attucks Michigan portfolio was valued at \$33,039,092, a decrease of \$458,940 from the December ending value of \$33,498,032. Last quarter, the account recorded total net withdrawals of \$3,613 in addition to \$455,327 in net investment losses. The fund's net investment loss was a result of income receipts totaling \$164,771 and realized and unrealized capital losses totaling \$620,098.

## **RELATIVE PERFORMANCE**

### **Total Fund**

During the first quarter, the Attucks Michigan portfolio lost 1.4%, which was 1.4% greater than the Russell 1000 Value Index's return of -2.8% and ranked in the 32nd percentile of the Large Cap Value universe. Over the trailing year, the portfolio returned 12.6%, which was 5.7% greater than the benchmark's 6.9% performance, and ranked in the 31st percentile. Since June 2011, the account returned 12.3% per annum and ranked in the 45th percentile. For comparison, the Russell 1000 Value returned an annualized 11.5% over the same time frame.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 06/11
<b>Total Portfolio - Gross</b>	-1.4	12.6	9.2	12.3	----	----	12.3
<i>LARGE CAP VALUE RANK</i>	(32)	(31)	(42)	(42)	----	----	(45)
<b>Total Portfolio - Net</b>	-1.5	11.9	8.5	11.6	----	----	11.6
Russell 1000V	-2.8	6.9	7.9	10.8	11.0	7.8	11.5
<b>Domestic Equity - Gross</b>	-1.4	12.6	9.2	12.3	----	----	12.3
<i>LARGE CAP VALUE RANK</i>	(32)	(31)	(42)	(42)	----	----	(45)
Russell 1000V	-2.8	6.9	7.9	10.8	11.0	7.8	11.5

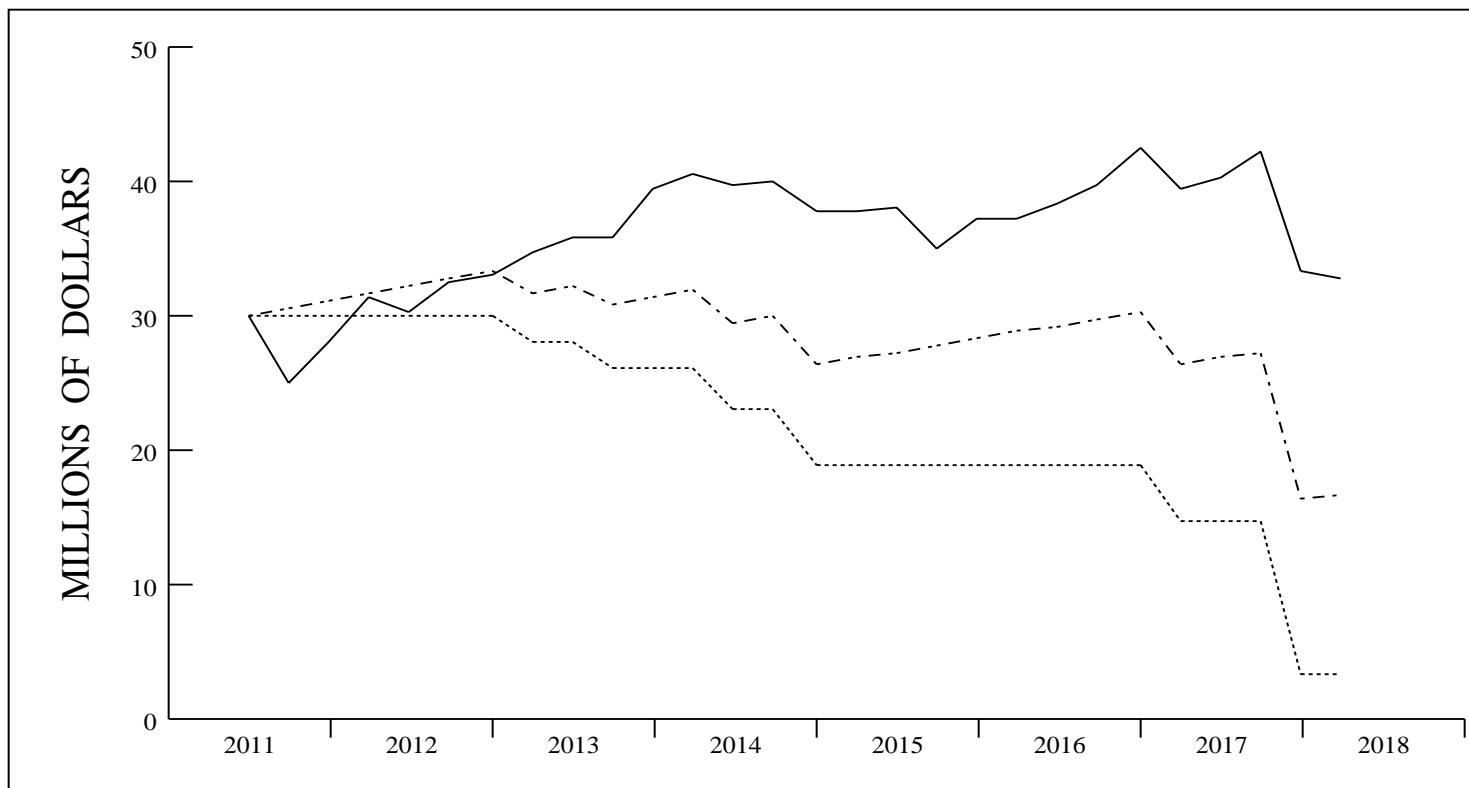
**ASSET ALLOCATION**

Domestic Equity	100.0%	\$ 33,039,092
Total Portfolio	100.0%	\$ 33,039,092

**INVESTMENT RETURN**

Market Value 12/2017	\$ 33,498,032
Contribs / Withdrawals	- 3,613
Income	164,771
Capital Gains / Losses	-620,098
Market Value 3/2018	\$ 33,039,092

**INVESTMENT GROWTH**



— ACTUAL RETURN  
 - - - 7.0%  
 ..... 0.0%

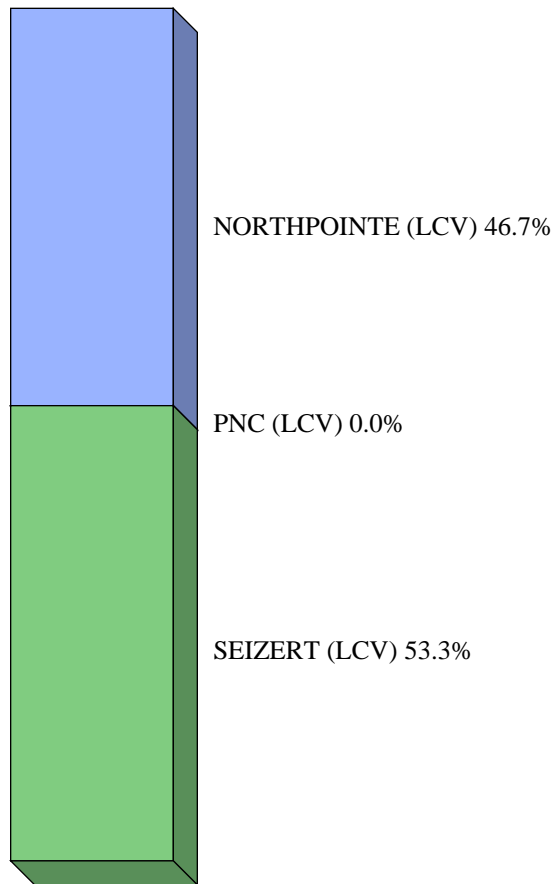
VALUE ASSUMING  
 7.0% RETURN \$ 16,905,188

	LAST QUARTER	PERIOD 6/11 - 3/18
BEGINNING VALUE	\$ 33,498,032	\$ 30,133,108
NET CONTRIBUTIONS	- 3,613	- 26,588,091
INVESTMENT RETURN	-455,327	29,494,075
ENDING VALUE	\$ 33,039,092	\$ 33,039,092
INCOME	164,771	5,454,065
CAPITAL GAINS (LOSSES)	-620,098	24,040,010
INVESTMENT RETURN	-455,327	29,494,075

**PONTIAC GENERAL EMPLOYEES RETIREMENT SYSTEM  
ATTUCKS MICHIGAN SUMMARY AS OF MARCH 2018**

Portfolio	Universe	Quarter		1 Year		3 Years		5 Years	
<b>Attucks Michigan</b>	<b>(Large Cap Value)</b>	<b>-1.4</b>	<b>(32)</b>	<b>12.6</b>	<b>(31)</b>	<b>9.2</b>	<b>(42)</b>	<b>12.3</b>	<b>(42)</b>
<b>Net of mgr fees &amp; gross of Attucks fees</b>		<b>-1.4</b>		<b>12.3</b>		<b>8.8</b>		<b>11.9</b>	
<b>Attucks Michigan net of fees</b>		<b>-1.5</b>		<b>11.9</b>		<b>8.5</b>		<b>11.6</b>	
<i>Russell 1000 Value</i>		<i>-2.8</i>		<i>6.9</i>		<i>7.9</i>		<i>10.8</i>	
NorthPointe	(Large Cap Value)	-2.3	(62)	11.3	(41)	7.7	(74)	11.4	(63)
NorthPointe net of fees		-2.4		10.9		7.4		11.1	
<i>Russell 1000 Value</i>		<i>-2.8</i>		<i>6.9</i>		<i>7.9</i>		<i>10.8</i>	
Seizert	(Large Cap Value)	-0.5	(14)	12.3	(33)	10.9	(13)	13.5	(14)
Seizert net of fees		-0.6		12.0		10.6		13.2	
<i>Russell 1000 Value</i>		<i>-2.8</i>		<i>6.9</i>		<i>7.9</i>		<i>10.8</i>	

**MANAGER ALLOCATION SUMMARY**



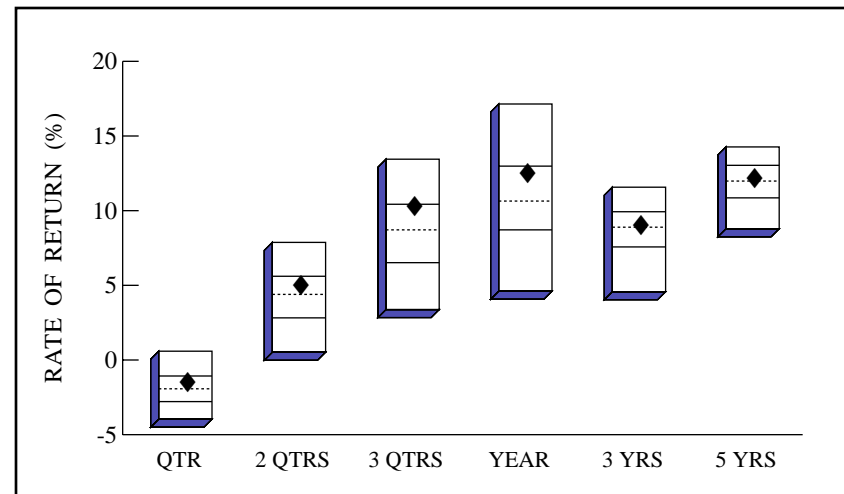
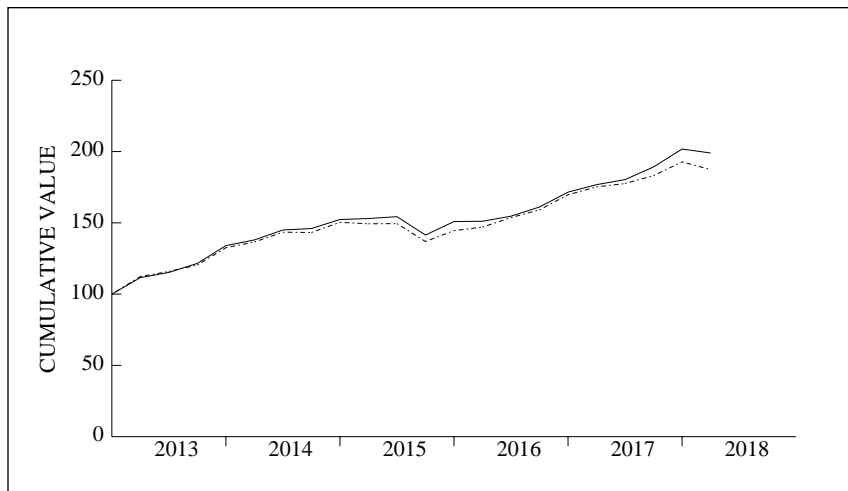
Name	Market Value	Percent
NorthPointe (LCV)	\$15,417,977	46.7
PNC (LCV)	\$3	0.0
Seizert (LCV)	\$17,621,112	53.3
<b>Total</b>	<b>\$33,039,092</b>	<b>100.0</b>



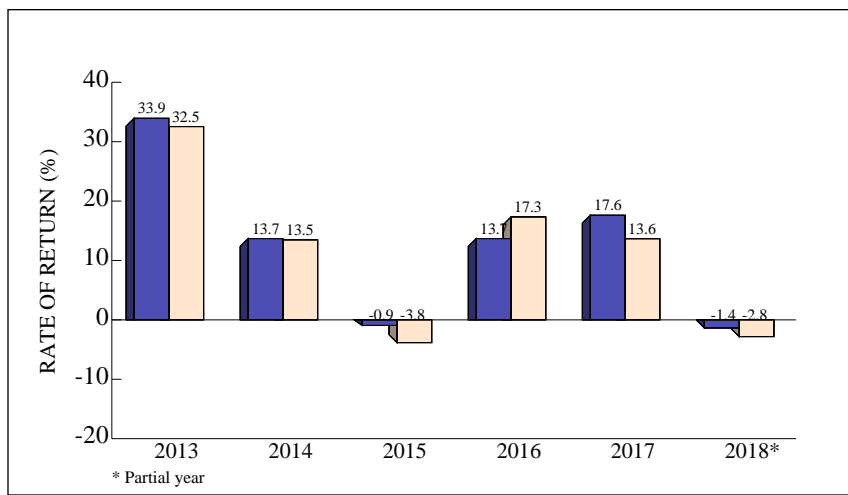
**INVESTMENT RETURN SUMMARY - ONE QUARTER**

<b>Name</b>	<b>Quarter Total Return</b>	<b>Market Value December 31st, 2017</b>	<b>Net Cashflow</b>	<b>Net Investment Return</b>	<b>Market Value March 31st, 2018</b>
NorthPointe (LCV)	-2.3	15,777,185	-16	-359,192	15,417,977
PNC (LCV)	---	3,176	-3,367	194	3
Seizert (LCV)	-0.5	17,717,671	-230	-96,329	17,621,112
<b>Total Portfolio</b>	<b>-1.4</b>	<b>33,498,032</b>	<b>-3,613</b>	<b>-455,327</b>	<b>33,039,092</b>

**TOTAL RETURN COMPARISONS**



Large Cap Value Universe

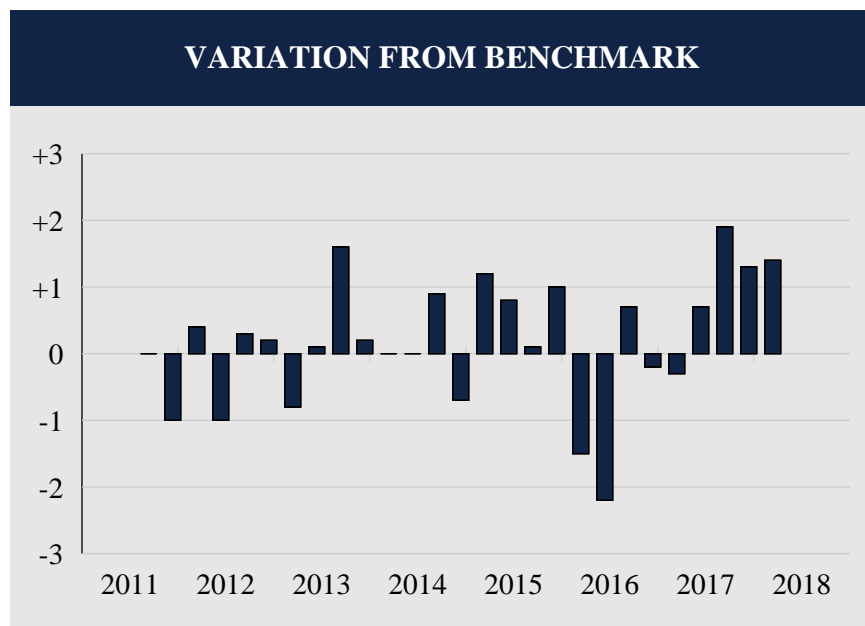


	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	-1.4	5.2	10.4	12.6	9.2	12.3
(RANK)	(32)	(36)	(26)	(31)	(42)	(42)
5TH %ILE	0.6	7.9	13.5	17.1	11.6	14.3
25TH %ILE	-1.1	5.6	10.4	13.0	9.9	13.0
MEDIAN	-1.9	4.4	8.7	10.6	8.9	12.0
75TH %ILE	-2.8	2.8	6.5	8.7	7.6	10.9
95TH %ILE	-4.0	0.5	3.4	4.6	4.6	8.8
<b>Russ 1000V</b>	<b>-2.8</b>	<b>2.3</b>	<b>5.5</b>	<b>6.9</b>	<b>7.9</b>	<b>10.8</b>

Large Cap Value Universe

### TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

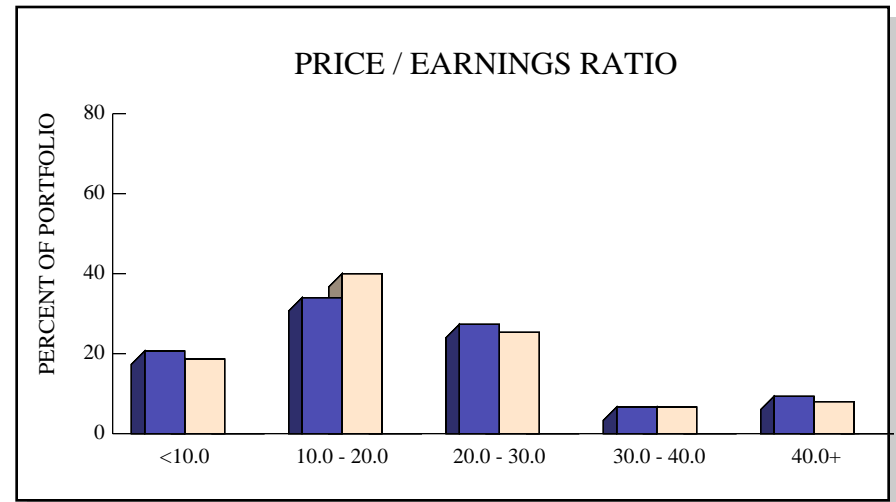
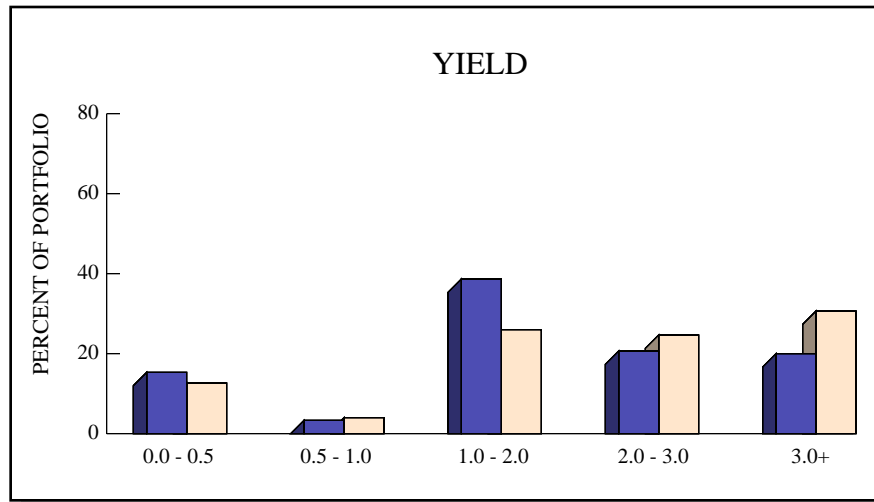
COMPARATIVE BENCHMARK: RUSSELL 1000 VALUE



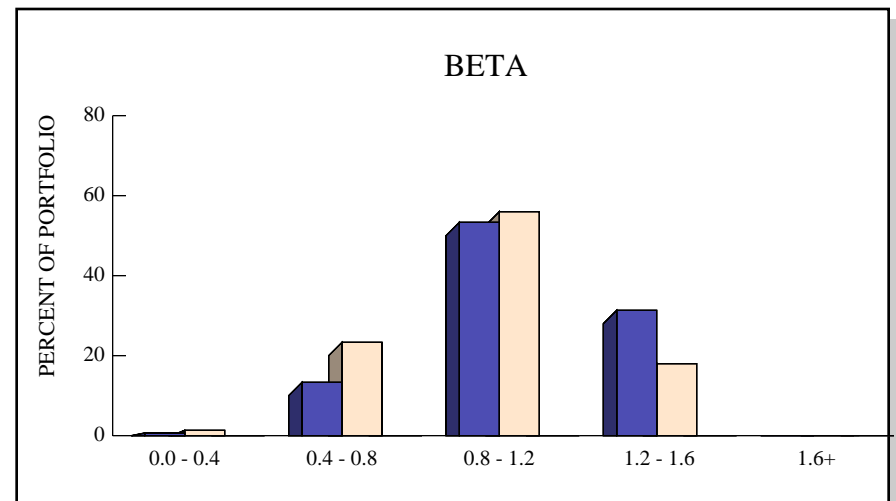
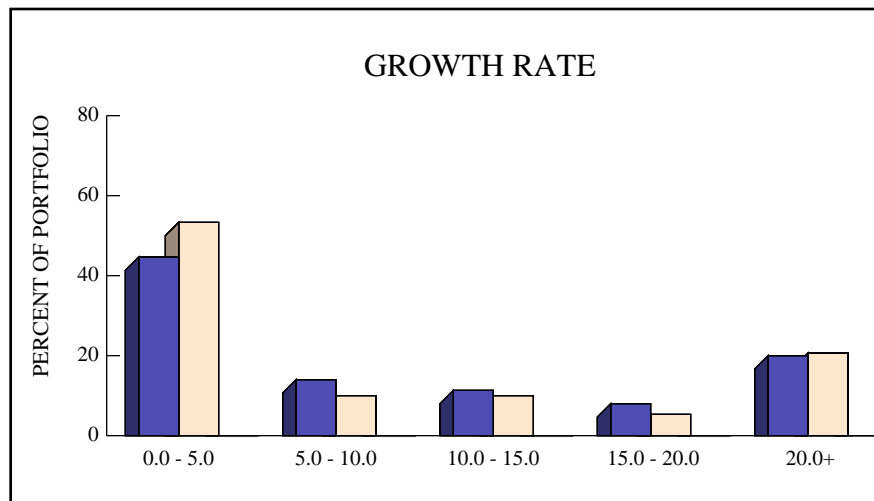
<b>Total Quarters Observed</b>	<b>27</b>
<b>Quarters At or Above the Benchmark</b>	<b>19</b>
<b>Quarters Below the Benchmark</b>	<b>8</b>
<b>Batting Average</b>	<b>.704</b>

RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
9/11	-16.2	-16.2	0.0
12/11	12.1	13.1	-1.0
3/12	11.5	11.1	0.4
6/12	-3.2	-2.2	-1.0
9/12	6.8	6.5	0.3
12/12	1.7	1.5	0.2
3/13	11.5	12.3	-0.8
6/13	3.3	3.2	0.1
9/13	5.5	3.9	1.6
12/13	10.2	10.0	0.2
3/14	3.0	3.0	0.0
6/14	5.1	5.1	0.0
9/14	0.7	-0.2	0.9
12/14	4.3	5.0	-0.7
3/15	0.5	-0.7	1.2
6/15	0.9	0.1	0.8
9/15	-8.3	-8.4	0.1
12/15	6.6	5.6	1.0
3/16	0.1	1.6	-1.5
6/16	2.4	4.6	-2.2
9/16	4.2	3.5	0.7
12/16	6.5	6.7	-0.2
3/17	3.0	3.3	-0.3
6/17	2.0	1.3	0.7
9/17	5.0	3.1	1.9
12/17	6.6	5.3	1.3
3/18	-1.4	-2.8	1.4

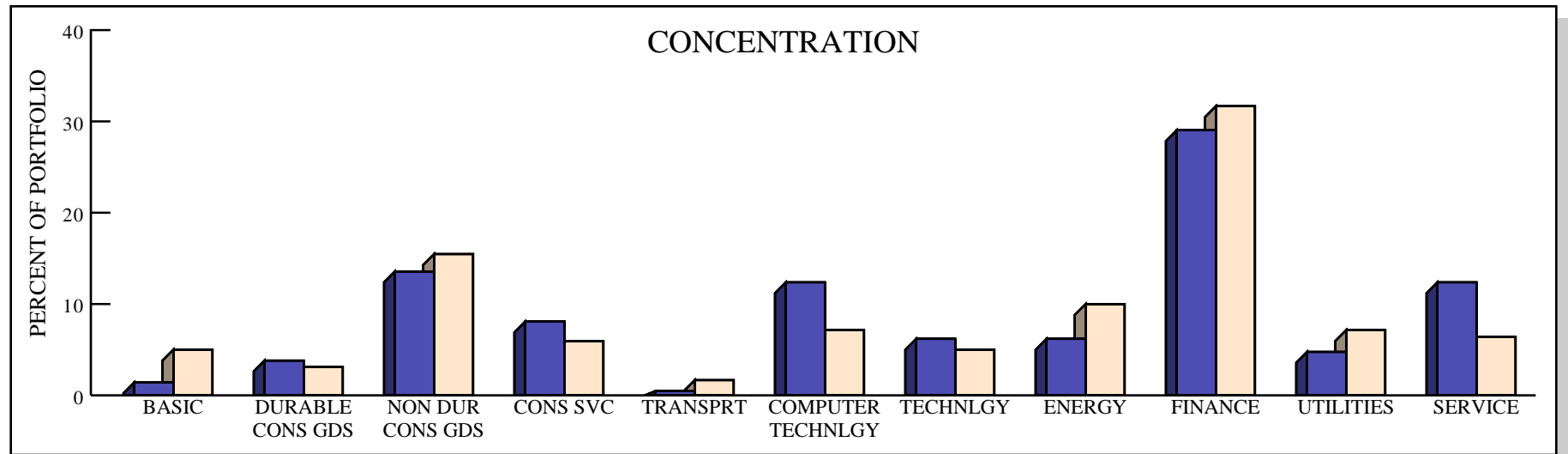
**STOCK CHARACTERISTICS**



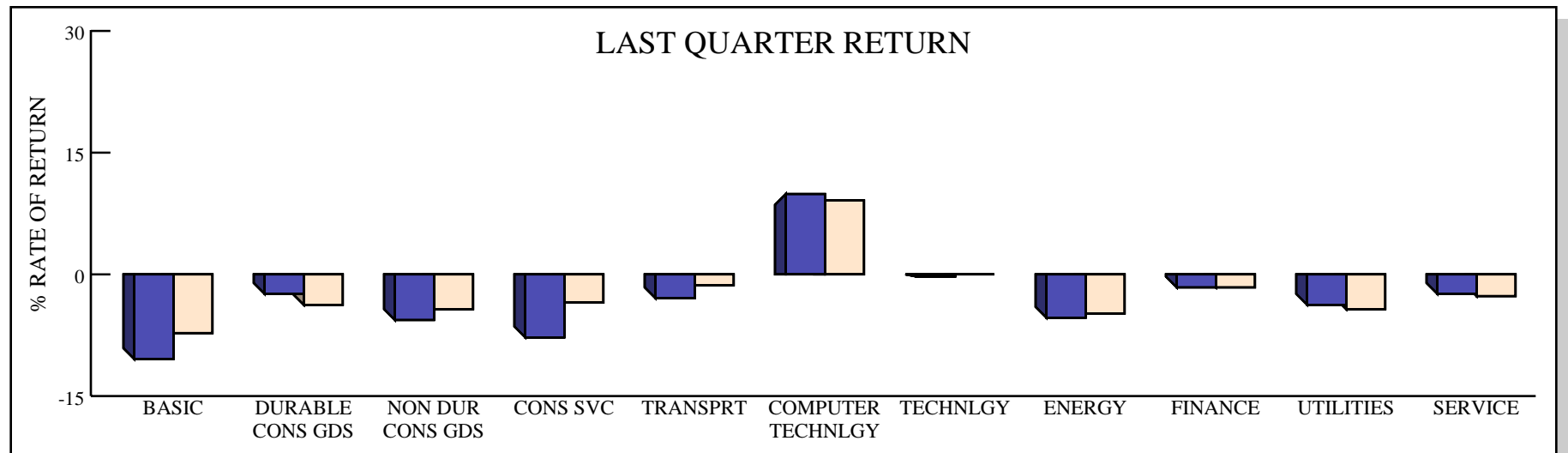
	# HOLDINGS	YIELD	GROWTH	P/E	BETA
PORTFOLIO	100	2.1%	9.0%	20.4	1.06
RUSSELL 1000V	711	2.4%	6.6%	19.3	0.98



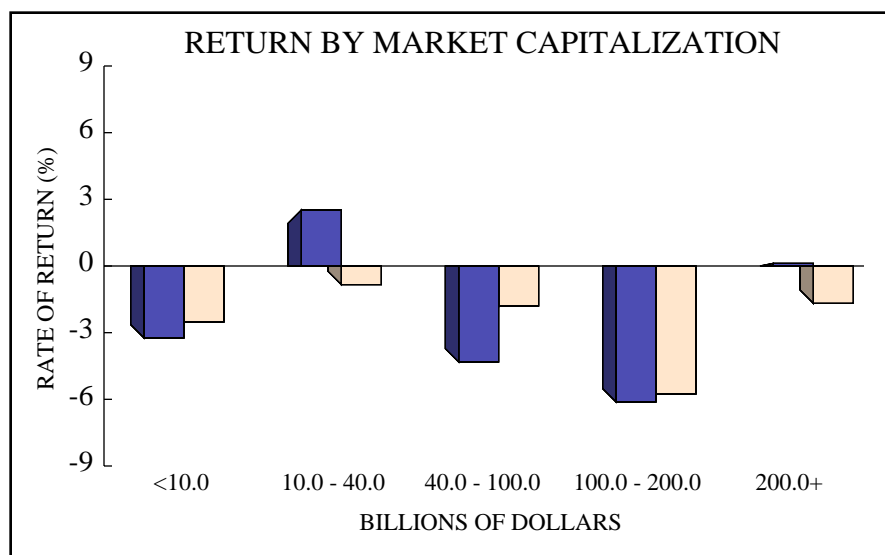
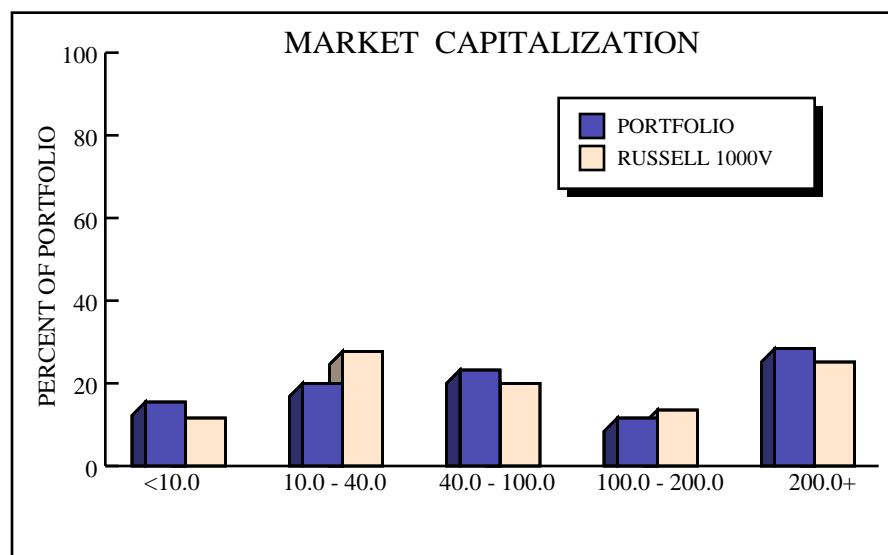
**STOCK INDUSTRY ANALYSIS**



■ PORTFOLIO      ■ RUSSELL 1000 VALUE



**TOP TEN HOLDINGS**



**TOP TEN EQUITY HOLDINGS**

RANK	NAME	VALUE	% EQUITY	RETURN	INDUSTRY SECTOR	MKT CAP
1	JPMORGAN CHASE & CO	\$ 1,272,683	3.85%	3.4%	Finance	\$ 375.0 B
2	BERKSHIRE HATHAWAY INC-CL B	1,112,300	3.37%	0.6%	Finance	268.3 B
3	BANK OF AMERICA CORP	1,103,392	3.34%	2.0%	Finance	306.6 B
4	CITIGROUP INC	962,145	2.91%	-8.9%	Finance	172.8 B
5	JOHNSON & JOHNSON	905,764	2.74%	-7.7%	NonDur Cons Goods	343.8 B
6	CISCO SYSTEMS INC	828,978	2.51%	12.8%	Computer Tech	206.6 B
7	EXXON MOBIL CORP	795,343	2.41%	-9.9%	Energy	316.2 B
8	PRUDENTIAL FINANCIAL INC	673,282	2.04%	-9.2%	Finance	43.7 B
9	FIFTH THIRD BANCORP	666,528	2.02%	5.2%	Finance	21.8 B
10	INTEL CORP	648,709	1.96%	13.6%	Computer Tech	243.1 B

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
VICTORY CAPITAL - MID-CAPITALIZATION GROWTH  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Victory Capital Mid-Capitalization Growth portfolio was valued at \$41,662,205, a decrease of \$37,513 from the December ending value of \$41,699,718. Last quarter, the account recorded total net withdrawals of \$47 in addition to \$37,466 in net investment losses. The fund's net investment loss was a result of income receipts totaling \$117,054 and realized and unrealized capital losses totaling \$154,520.

## **RELATIVE PERFORMANCE**

### **Total Fund**

In the first quarter, the Victory Capital Mid-Capitalization Growth portfolio returned -0.1%, which was 2.3% below the Russell Mid Cap Growth Index's return of 2.2% and ranked in the 89th percentile of the Mid Cap Growth universe. Over the trailing year, the portfolio returned 17.3%, which was 2.4% less than the benchmark's 19.7% return, and ranked in the 72nd percentile. Since March 2006, the account returned 8.9% on an annualized basis. The Russell Mid Cap Growth returned an annualized 8.9% over the same time frame.

## **HOLDINGS ANALYSIS**

Last quarter, the Victory Mid Cap portfolio was invested across all eleven industry sectors shown in our analysis. Relative to the Russell Mid Cap Growth index, the portfolio was overweight in the Energy, Finance, and Utilities sectors, while underweight in the Non-Durable Goods, Computer Technology, and Service sectors.

In the first quarter, the Victory Mid Cap portfolio underperformed relative to the Russell Mid Cap Value index. Seven of the ten invested sectors fell short of their index counterparts, including the Basic, Durable Consumer Goods, Non-Durable Consumer Goods, Transportation, and Utilities, which all lost ground. The portfolio's reduced exposure to the Computer Technology and Service sectors further impacted performance, as those two sectors offered the best sources of return.



**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 03/06
<b>Total Portfolio - Gross</b>	-0.1	17.3	7.4	11.8	11.5	9.7	8.9
<i>MID CAP GROWTH RANK</i>	(89)	(72)	(79)	(86)	(64)	(89)	----
<b>Total Portfolio - Net</b>	-0.2	16.9	7.0	11.4	11.1	9.5	8.6
Russ Mid Gro	2.2	19.7	9.2	13.3	11.9	10.6	8.9
<b>Domestic Equity - Gross</b>	-0.1	17.3	7.4	11.8	11.5	9.7	8.9
<i>MID CAP GROWTH RANK</i>	(89)	(72)	(79)	(86)	(64)	(89)	----
Russ Mid Gro	2.2	19.7	9.2	13.3	11.9	10.6	8.9

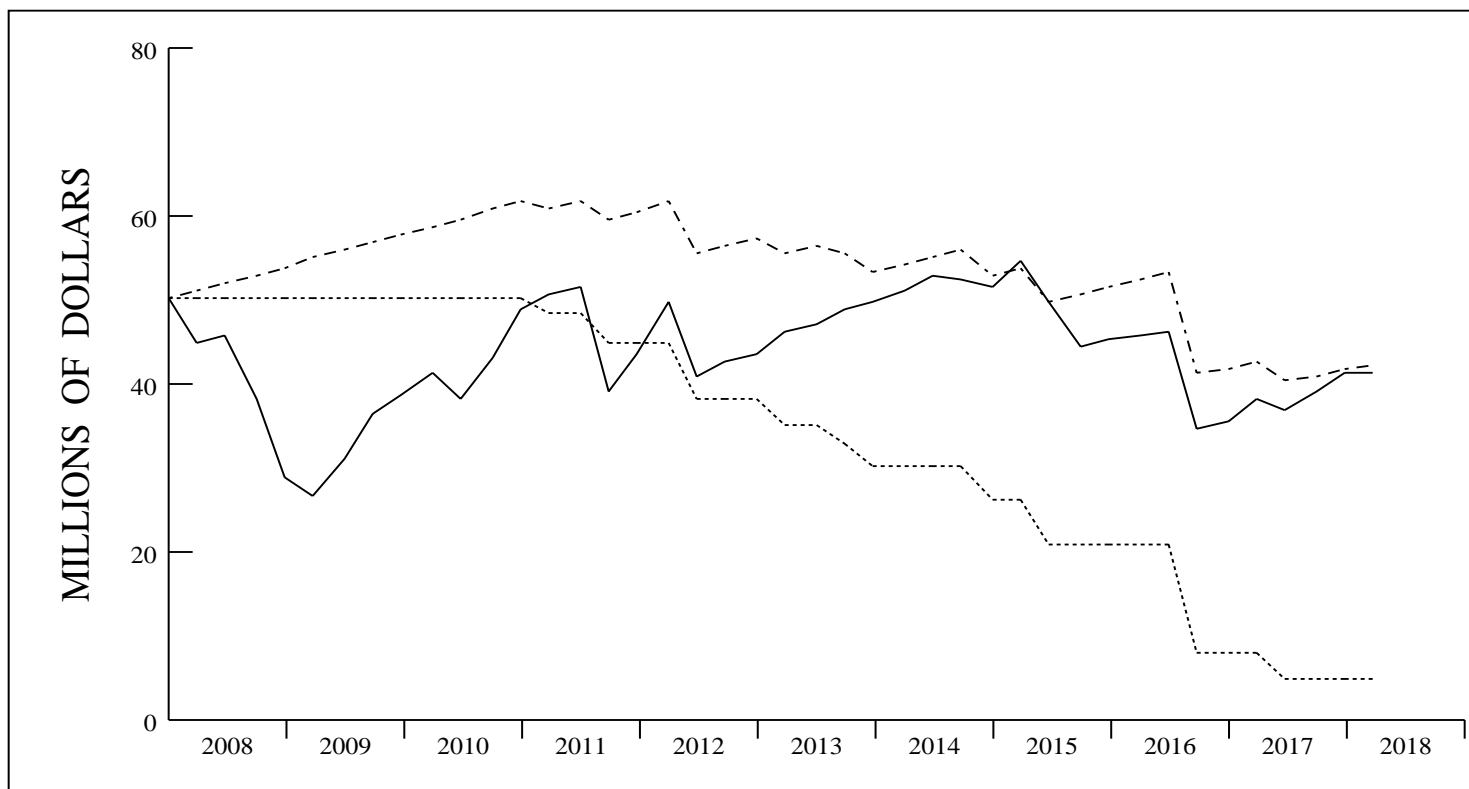
**ASSET ALLOCATION**

Domestic Equity	100.0%	\$ 41,662,205
Total Portfolio	100.0%	\$ 41,662,205

**INVESTMENT RETURN**

Market Value 12/2017	\$ 41,699,718
Contribs / Withdrawals	- 47
Income	117,054
Capital Gains / Losses	-154,520
Market Value 3/2018	\$ 41,662,205

**INVESTMENT GROWTH**

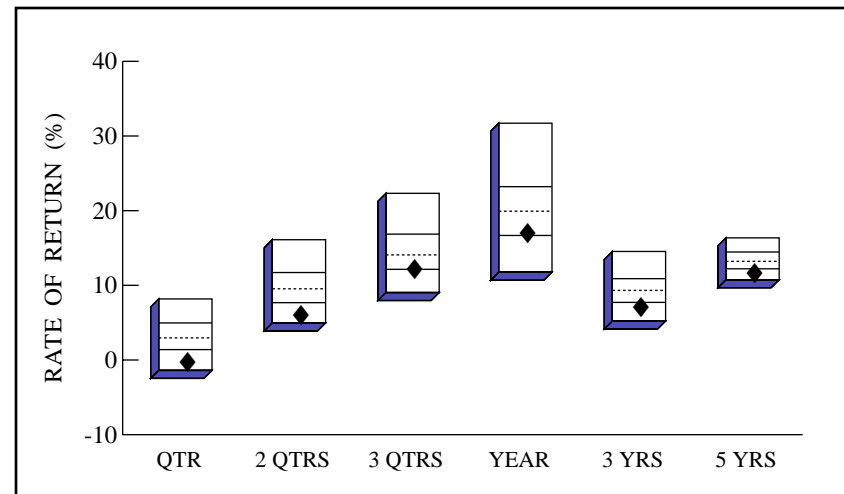
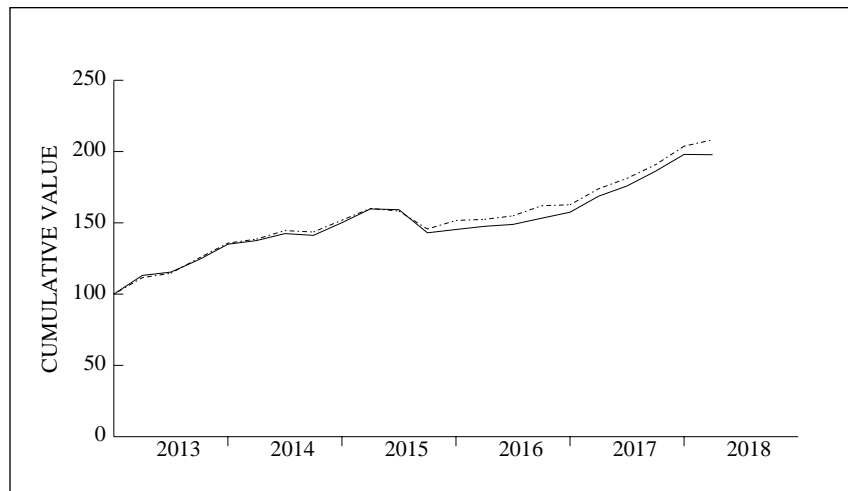


—	ACTUAL RETURN
- - - - -	7.0%
.....	0.0%

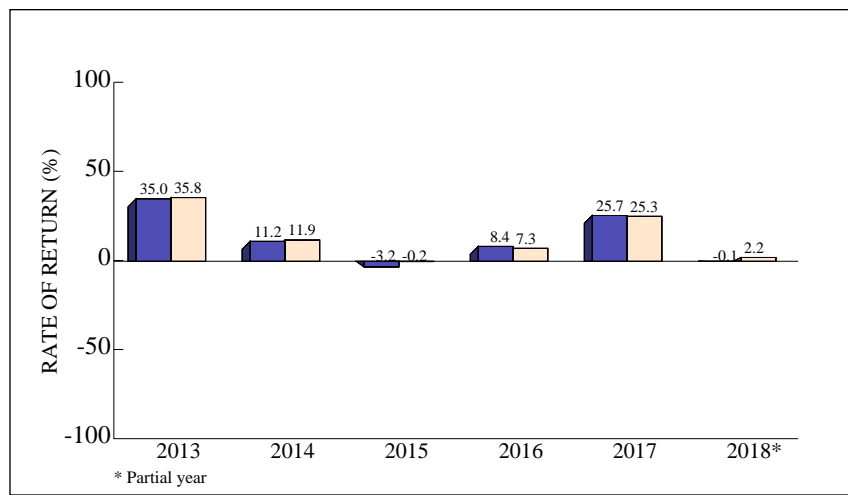
VALUE ASSUMING	
7.0% RETURN	\$ 42,641,364

	LAST QUARTER	PERIOD 12/07 - 3/18
BEGINNING VALUE	\$ 41,699,718	\$ 50,647,301
NET CONTRIBUTIONS	- 47	- 45,404,577
<u>INVESTMENT RETURN</u>	<u>- 37,466</u>	<u>36,419,481</u>
ENDING VALUE	\$ 41,662,205	\$ 41,662,205
INCOME	117,054	3,634,586
<u>CAPITAL GAINS (LOSSES)</u>	<u>-154,520</u>	<u>32,784,895</u>
INVESTMENT RETURN	- 37,466	36,419,481

**TOTAL RETURN COMPARISONS**



Mid Cap Growth Universe

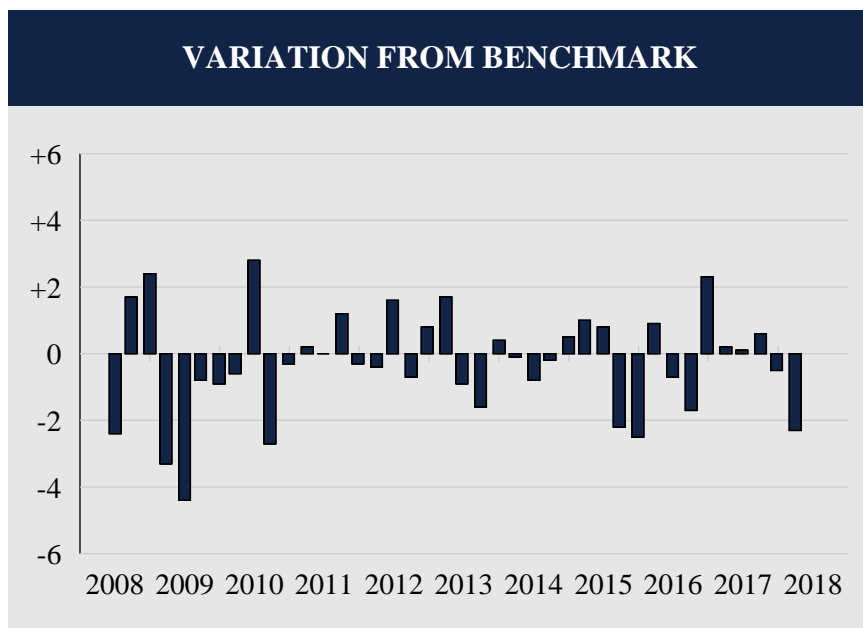


	QTR	2 QTRS	3 QTRS	YEAR	-----ANNUALIZED-----	
					3 YRS	5 YRS
RETURN	-0.1	6.2	12.4	17.3	7.4	11.8
(RANK)	(89)	(89)	(72)	(72)	(79)	(86)
5TH %ILE	8.2	16.1	22.3	31.7	14.5	16.4
25TH %ILE	5.0	11.7	16.9	23.2	10.9	14.5
MEDIAN	3.0	9.5	14.1	19.9	9.3	13.2
75TH %ILE	1.4	7.7	12.2	16.7	7.7	12.2
95TH %ILE	-1.4	5.0	9.1	11.7	5.2	10.8
<b>Russ MCG</b>	<b>2.2</b>	<b>9.1</b>	<b>14.9</b>	<b>19.7</b>	<b>9.2</b>	<b>13.3</b>

Mid Cap Growth Universe

**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY - 10 YEARS**

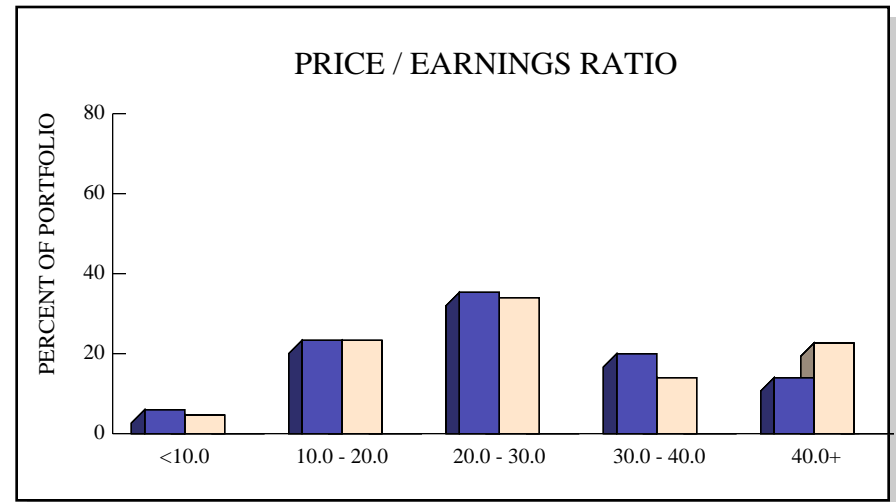
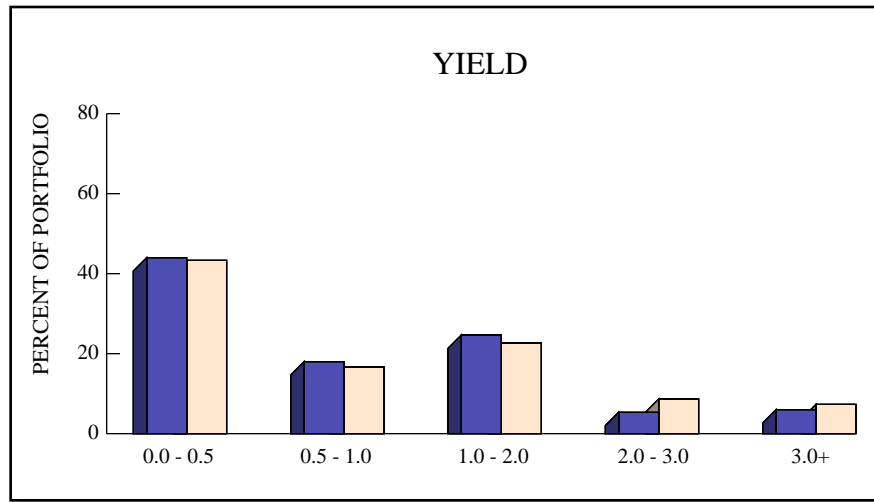
**COMPARATIVE BENCHMARK: RUSSELL MID CAP GROWTH**



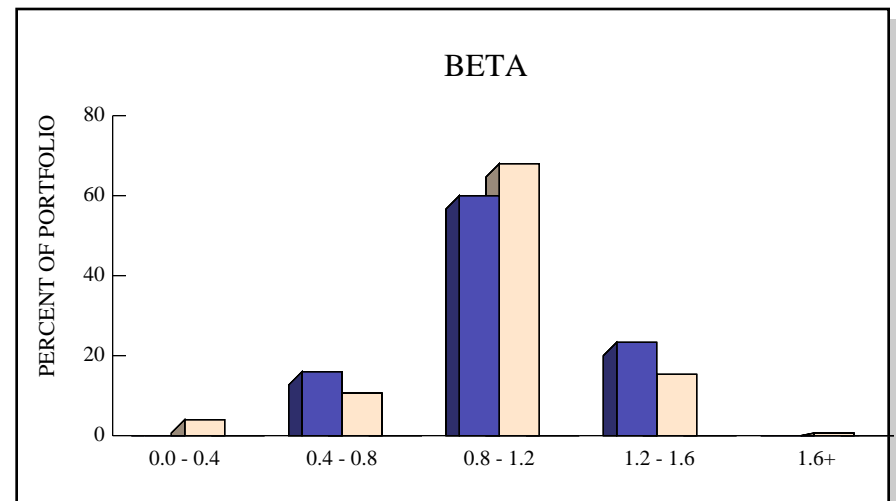
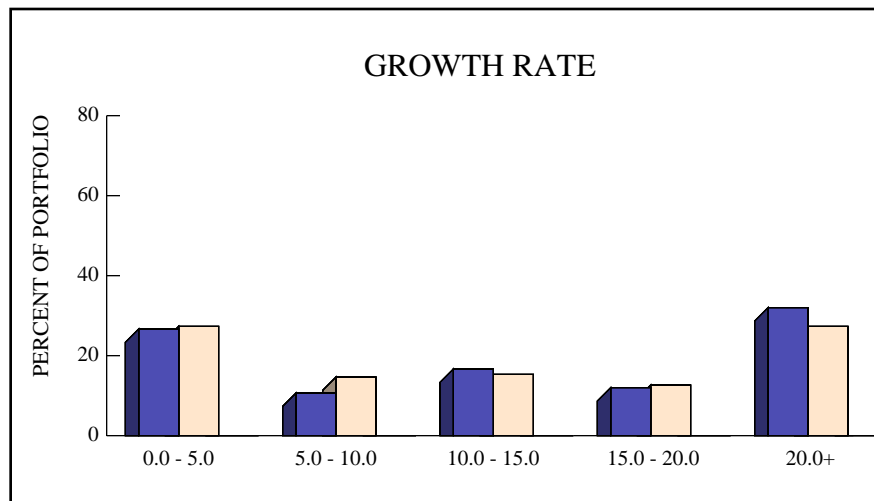
RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
6/08	2.2	4.6	-2.4
9/08	-16.1	-17.8	1.7
12/08	-25.0	-27.4	2.4
3/09	-6.7	-3.4	-3.3
6/09	16.3	20.7	-4.4
9/09	16.8	17.6	-0.8
12/09	5.8	6.7	-0.9
3/10	7.1	7.7	-0.6
6/10	-7.4	-10.2	2.8
9/10	12.0	14.7	-2.7
12/10	13.7	14.0	-0.3
3/11	8.1	7.9	0.2
6/11	1.6	1.6	0.0
9/11	-18.1	-19.3	1.2
12/11	10.9	11.2	-0.3
3/12	14.1	14.5	-0.4
6/12	-4.0	-5.6	1.6
9/12	4.6	5.3	-0.7
12/12	2.5	1.7	0.8
3/13	13.2	11.5	1.7
6/13	2.0	2.9	-0.9
9/13	7.7	9.3	-1.6
12/13	8.6	8.2	0.4
3/14	1.9	2.0	-0.1
6/14	3.6	4.4	-0.8
9/14	-0.9	-0.7	-0.2
12/14	6.3	5.8	0.5
3/15	6.4	5.4	1.0
6/15	-0.3	-1.1	0.8
9/15	-10.2	-8.0	-2.2
12/15	1.6	4.1	-2.5
3/16	1.5	0.6	0.9
6/16	0.9	1.6	-0.7
9/16	2.9	4.6	-1.7
12/16	2.8	0.5	2.3
3/17	7.1	6.9	0.2
6/17	4.3	4.2	0.1
9/17	5.9	5.3	0.6
12/17	6.3	6.8	-0.5
3/18	-0.1	2.2	-2.3

<b>Total Quarters Observed</b>	<b>40</b>
<b>Quarters At or Above the Benchmark</b>	<b>18</b>
<b>Quarters Below the Benchmark</b>	<b>22</b>
<b>Batting Average</b>	<b>.450</b>

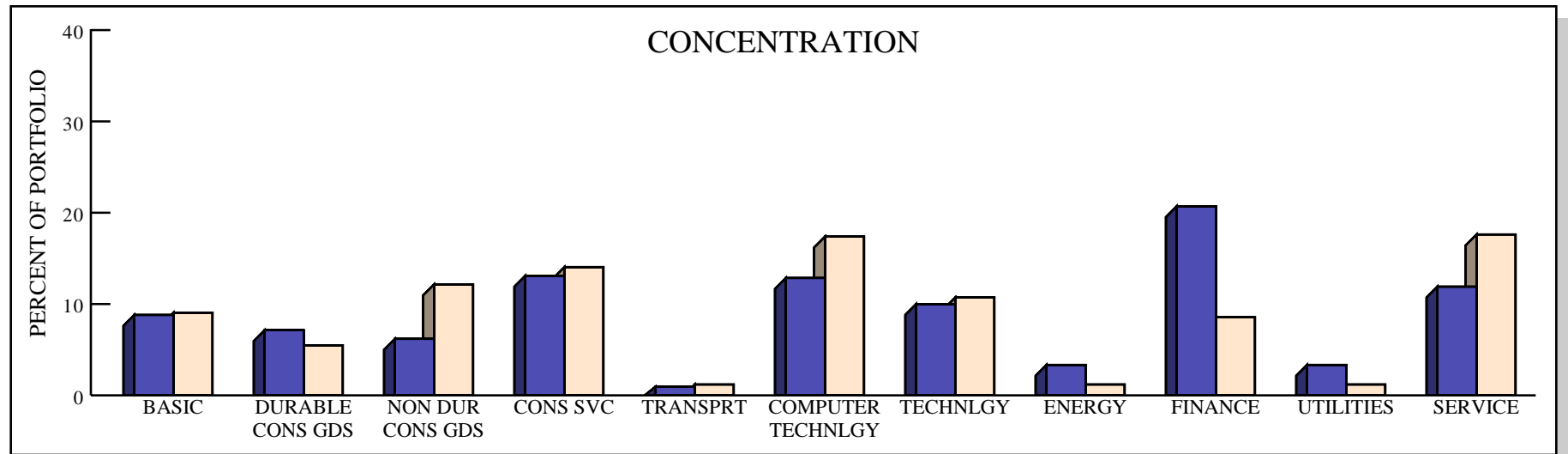
**STOCK CHARACTERISTICS**



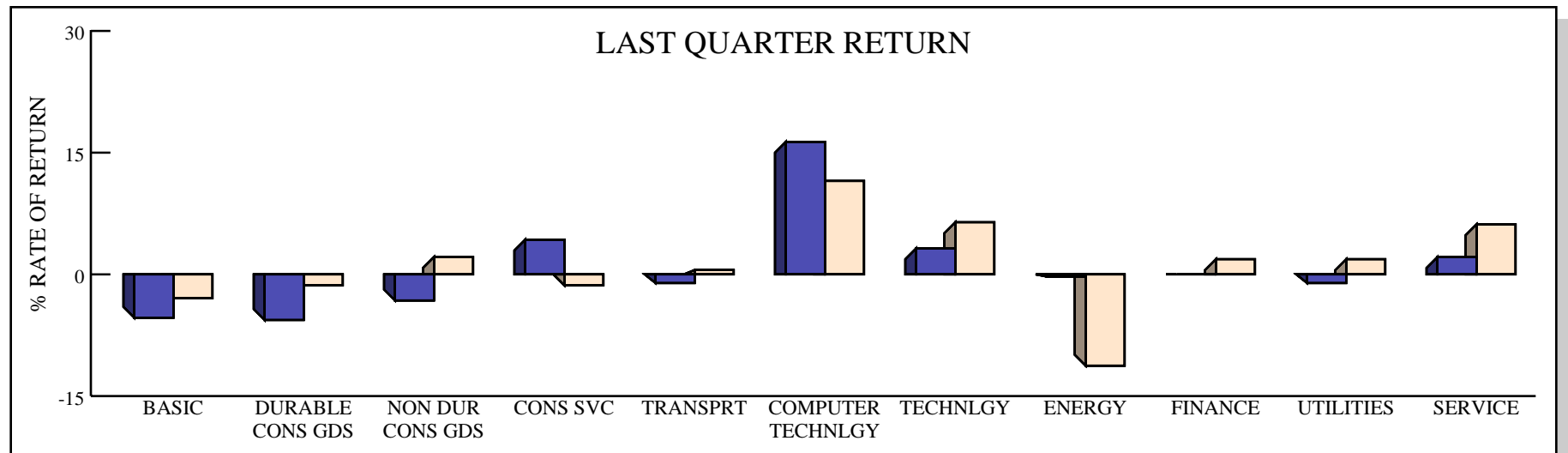
	# HOLDINGS	YIELD	GROWTH	P/E	BETA
PORTFOLIO	79	1.0%	14.0%	27.5	1.03
RUSS MID GRO	423	1.0%	14.1%	28.5	0.99



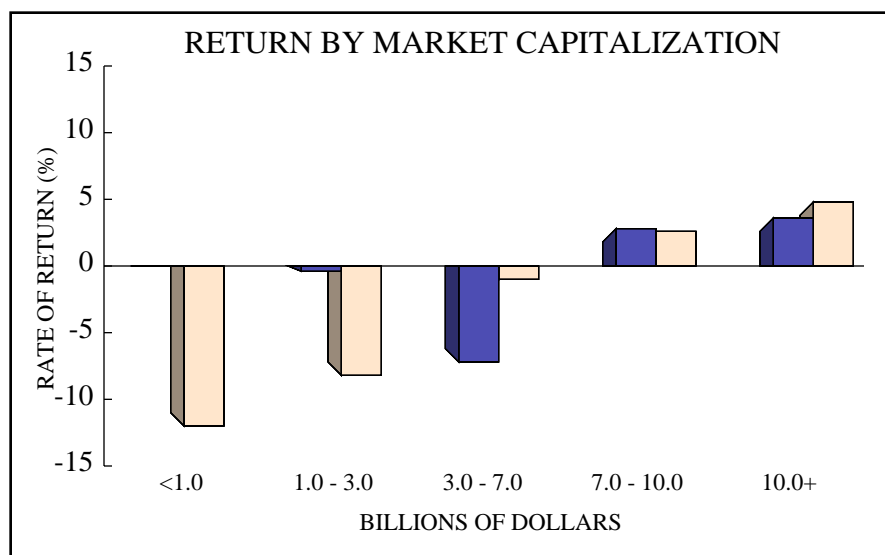
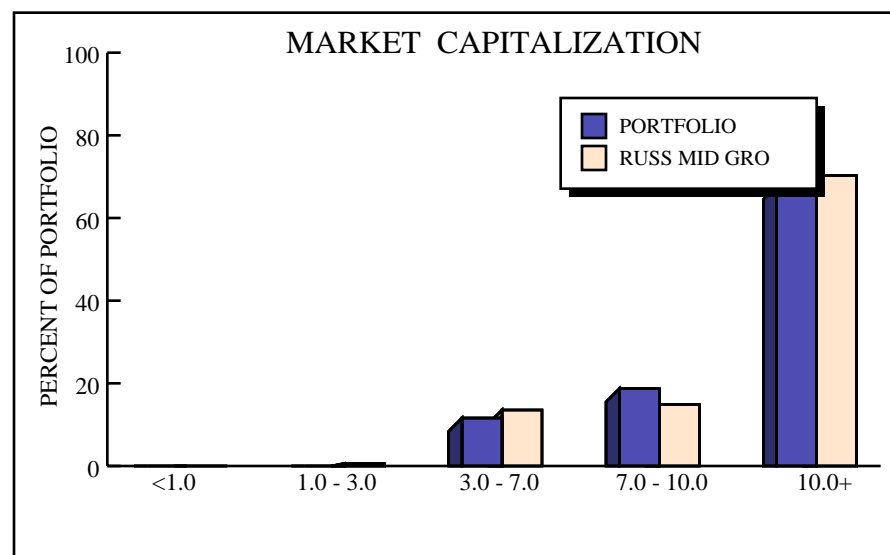
**STOCK INDUSTRY ANALYSIS**



■ PORTFOLIO      ■ RUSSELL MID CAP GROWTH



**TOP TEN HOLDINGS**



**TOP TEN EQUITY HOLDINGS**

RANK	NAME	VALUE	% EQUITY	RETURN	INDUSTRY SECTOR	MKT CAP
1	SVB FINANCIAL GROUP	\$ 1,128,047	2.71%	2.7%	Finance	\$ 12.7 B
2	ROSS STORES INC	1,021,538	2.45%	-2.5%	Consumer Service	29.8 B
3	REINSURANCE GROUP OF AMERICA	1,016,400	2.44%	-0.9%	Finance	9.9 B
4	SBA COMMUNICATIONS CORP	965,698	2.32%	4.6%	Service	19.9 B
5	XPO LOGISTICS INC	946,833	2.27%	11.2%	Service	12.2 B
6	FIDELITY NATIONAL INFO SERV	934,110	2.24%	2.7%	Service	31.9 B
7	IPG PHOTONICS CORP	886,844	2.13%	9.0%	Computer Tech	12.6 B
8	MICROCHIP TECHNOLOGY INC	851,384	2.04%	4.4%	Computer Tech	21.4 B
9	CENTENE CORP	822,899	1.98%	5.9%	Consumer Service	18.7 B
10	SMITH (A.O.) CORP	794,875	1.91%	4.1%	Durable Cons Goods	9.3 B

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
SYSTEMATIC - MID CAP VALUE  
PERFORMANCE REVIEW  
MARCH 2018



## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Systematic Mid Cap Value portfolio was valued at \$42,464,878, a decrease of \$1,400,181 from the December ending value of \$43,865,059. Last quarter, the account recorded total net withdrawals of \$328 in addition to \$1,399,853 in net investment losses. The fund's net investment loss was a result of income receipts totaling \$227,534 and realized and unrealized capital losses totaling \$1,627,387.

## **RELATIVE PERFORMANCE**

### **Total Fund**

During the first quarter, the Systematic Mid Cap Value portfolio lost 3.2%, which was 0.7% less than the Russell Mid Cap Value Index's return of -2.5% and ranked in the 88th percentile of the Mid Cap Value universe. Over the trailing year, the portfolio returned 10.6%, which was 4.1% greater than the benchmark's 6.5% performance, and ranked in the 35th percentile. Since March 2006, the account returned 8.8% per annum. For comparison, the Russell Mid Cap Value returned an annualized 8.2% over the same time frame.

## **HOLDINGS ANALYSIS**

At the end of the quarter, the Systematic Mid Cap Value portfolio was spread across all eleven industry sectors in our analysis. Compared to the Russell Mid Cap Value index, the portfolio weighed more heavily in the Basic, Consumer Service, Computer Technology, Transportation, and Energy sectors. The Technology, Finance, Service and Utilities sectors were light. All other industry sectors were concentrated similarly to the index.

Despite positive selection effects in the Non-Durable Consumer Goods, Transportation, Technology, and Utilities sectors, overall performance was sub-par. The Basic, Consumer Service, Computer Technology, and Service sectors returned below their marks. The portfolio's increased stake in the Energy sector worked against the portfolio, as that was a weak source of return.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 03/06
<b>Total Portfolio - Gross</b>	-3.2	10.6	7.5	10.1	9.5	9.4	8.8
<i>MID CAP VALUE RANK</i>	(88)	(35)	(60)	(85)	(94)	(92)	----
<b>Total Portfolio - Net</b>	-3.3	10.0	7.0	9.6	9.0	9.0	8.5
Russ Mid Val	-2.5	6.5	7.2	11.1	11.2	9.8	8.2
<b>Domestic Equity - Gross</b>	-3.2	10.6	7.5	10.1	9.5	9.4	8.8
<i>MID CAP VALUE RANK</i>	(88)	(35)	(60)	(85)	(94)	(92)	----
Russ Mid Val	-2.5	6.5	7.2	11.1	11.2	9.8	8.2

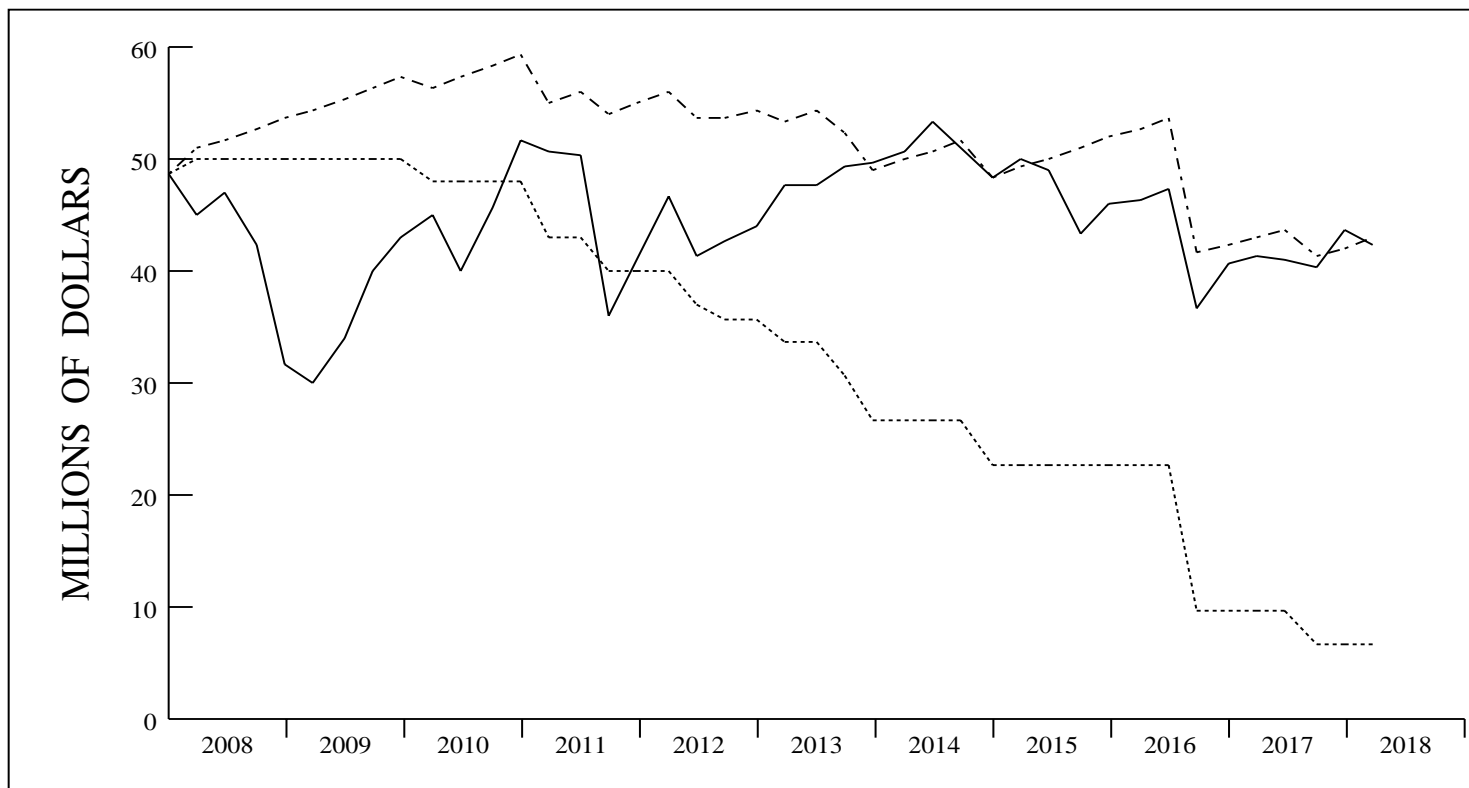
**ASSET ALLOCATION**

Domestic Equity	100.0%	\$ 42,464,878
Total Portfolio	100.0%	\$ 42,464,878

**INVESTMENT RETURN**

Market Value 12/2017	\$ 43,865,059
Contribs / Withdrawals	-328
Income	227,534
Capital Gains / Losses	- 1,627,387
Market Value 3/2018	\$ 42,464,878

**INVESTMENT GROWTH**

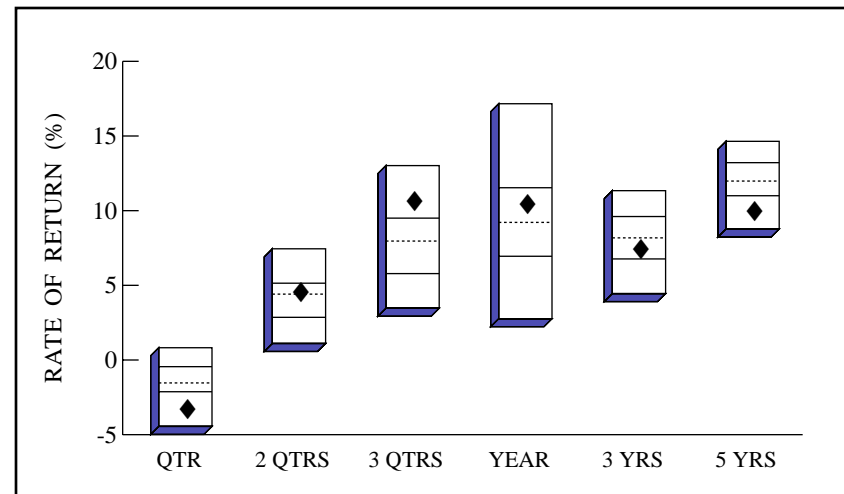
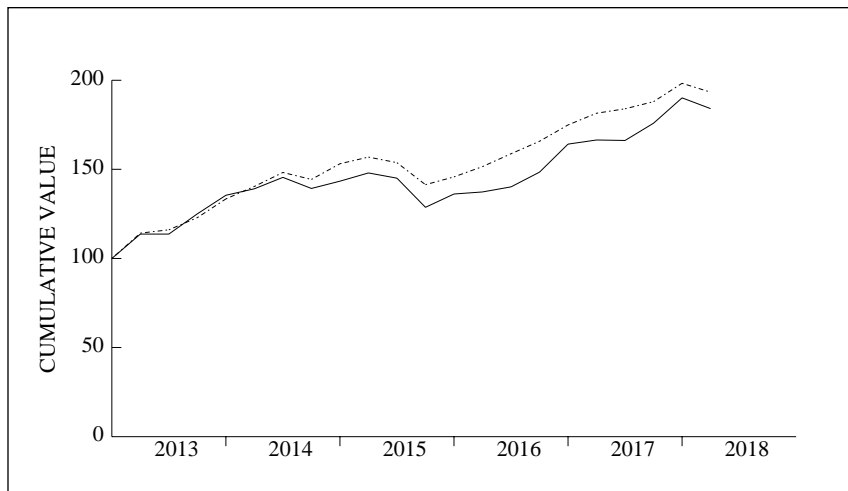


— ACTUAL RETURN  
 - - - 7.0%  
 . . . 0.0%

VALUE ASSUMING  
 7.0% RETURN \$ 43,011,244

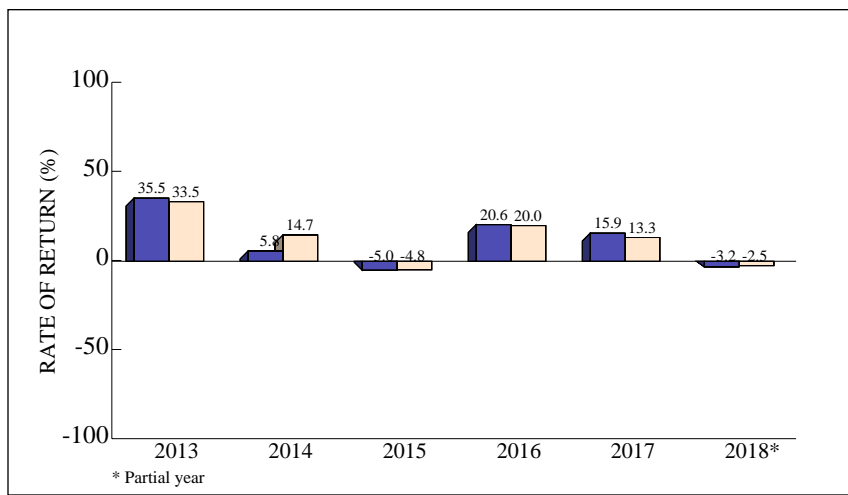
	LAST QUARTER	PERIOD 12/07 - 3/18
BEGINNING VALUE	\$ 43,865,059	\$ 48,865,376
NET CONTRIBUTIONS	-328	-41,878,115
<u>INVESTMENT RETURN</u>	<u>-1,399,853</u>	<u>35,477,617</u>
ENDING VALUE	\$ 42,464,878	\$ 42,464,878
INCOME	227,534	5,392,827
<u>CAPITAL GAINS (LOSSES)</u>	<u>-1,627,387</u>	<u>30,084,790</u>
INVESTMENT RETURN	-1,399,853	35,477,617

**TOTAL RETURN COMPARISONS**



■ ——— PORTFOLIO  
■ - - - - RUSM MID VAL

Mid Cap Value Universe

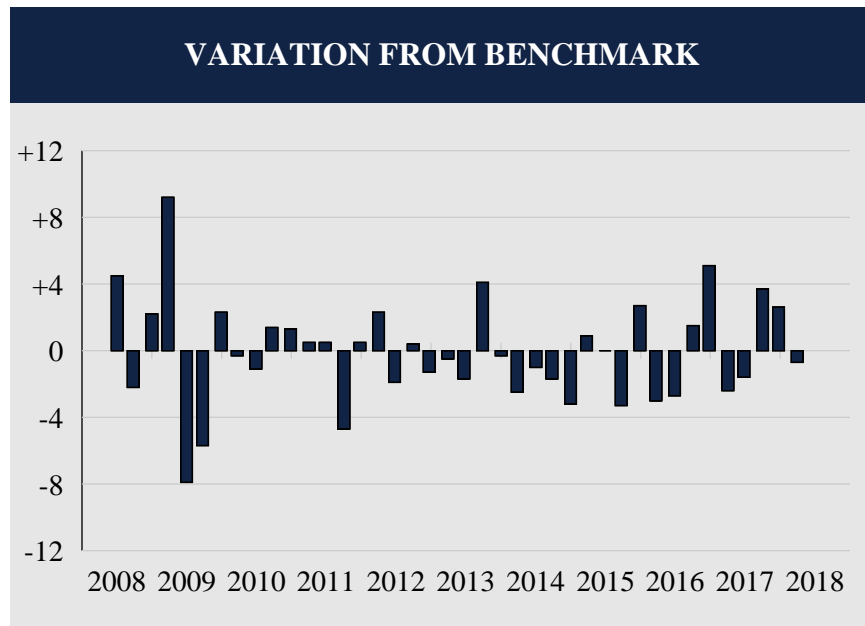


	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	-3.2	4.7	10.8	10.6	7.5	10.1
(RANK)	(88)	(40)	(13)	(35)	(60)	(85)
5TH %ILE	0.8	7.5	13.0	17.2	11.3	14.6
25TH %ILE	-0.4	5.2	9.5	11.5	9.6	13.2
MEDIAN	-1.5	4.4	8.0	9.2	8.2	12.0
75TH %ILE	-2.1	2.9	5.8	6.9	6.8	11.0
95TH %ILE	-4.4	1.1	3.5	2.8	4.4	8.8
<b>Russ MCV</b>	<b>-2.5</b>	<b>2.8</b>	<b>5.0</b>	<b>6.5</b>	<b>7.2</b>	<b>11.1</b>

Mid Cap Value Universe

**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY - 10 YEARS**

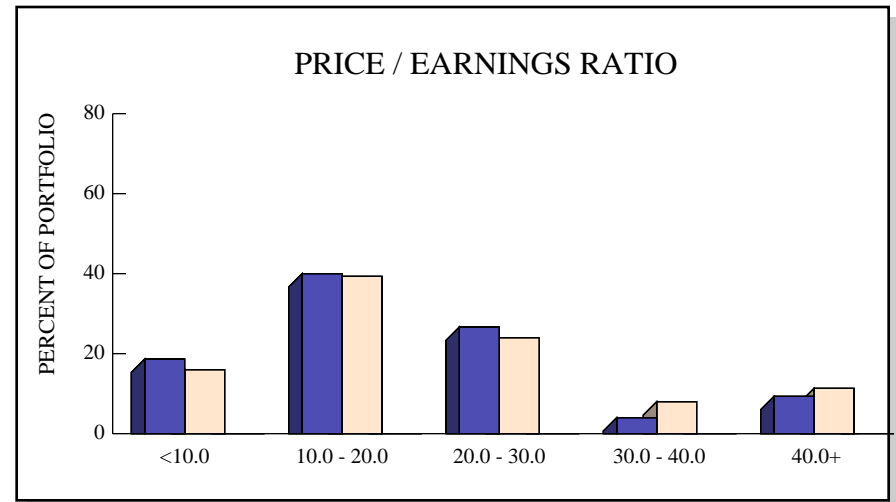
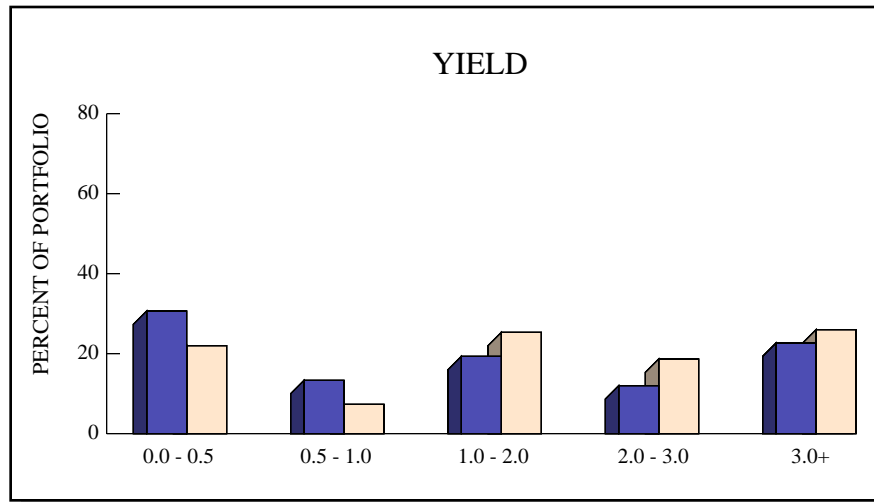
**COMPARATIVE BENCHMARK: RUSSELL MID CAP VALUE**



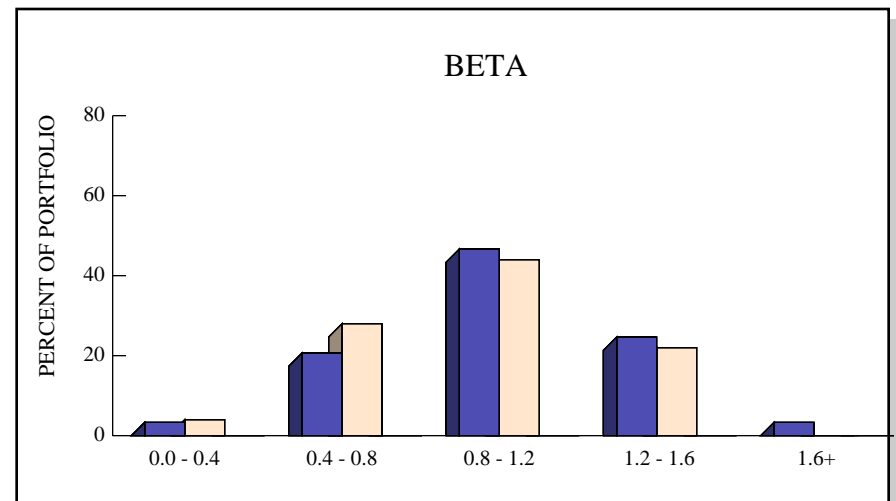
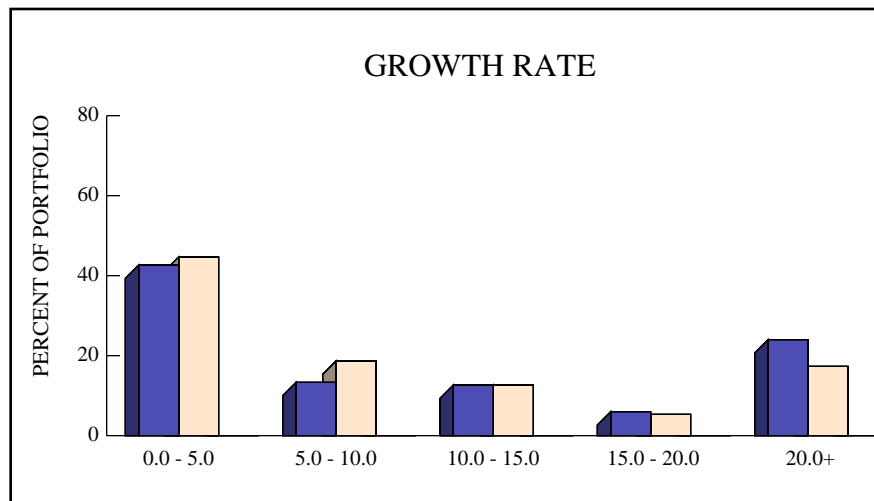
RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
6/08	4.6	0.1	4.5
9/08	-9.7	-7.5	-2.2
12/08	-25.0	-27.2	2.2
3/09	-5.5	-14.7	9.2
6/09	13.0	20.9	-7.9
9/09	17.9	23.6	-5.7
12/09	7.5	5.2	2.3
3/10	9.3	9.6	-0.3
6/10	-10.7	-9.6	-1.1
9/10	13.5	12.1	1.4
12/10	13.5	12.2	1.3
3/11	7.9	7.4	0.5
6/11	-0.2	-0.7	0.5
9/11	-23.2	-18.5	-4.7
12/11	13.9	13.4	0.5
3/12	13.7	11.4	2.3
6/12	-5.2	-3.3	-1.9
9/12	6.2	5.8	0.4
12/12	2.6	3.9	-1.3
3/13	13.7	14.2	-0.5
6/13	0.0	1.7	-1.7
9/13	10.0	5.9	4.1
12/13	8.3	8.6	-0.3
3/14	2.7	5.2	-2.5
6/14	4.6	5.6	-1.0
9/14	-4.3	-2.6	-1.7
12/14	2.9	6.1	-3.2
3/15	3.3	2.4	0.9
6/15	-2.0	-2.0	0.0
9/15	-11.3	-8.0	-3.3
12/15	5.8	3.1	2.7
3/16	0.9	3.9	-3.0
6/16	2.1	4.8	-2.7
9/16	5.9	4.4	1.5
12/16	10.6	5.5	5.1
3/17	1.4	3.8	-2.4
6/17	-0.2	1.4	-1.6
9/17	5.8	2.1	3.7
12/17	8.1	5.5	2.6
3/18	-3.2	-2.5	-0.7

<b>Total Quarters Observed</b>	<b>40</b>
<b>Quarters At or Above the Benchmark</b>	<b>19</b>
<b>Quarters Below the Benchmark</b>	<b>21</b>
<b>Batting Average</b>	<b>.475</b>

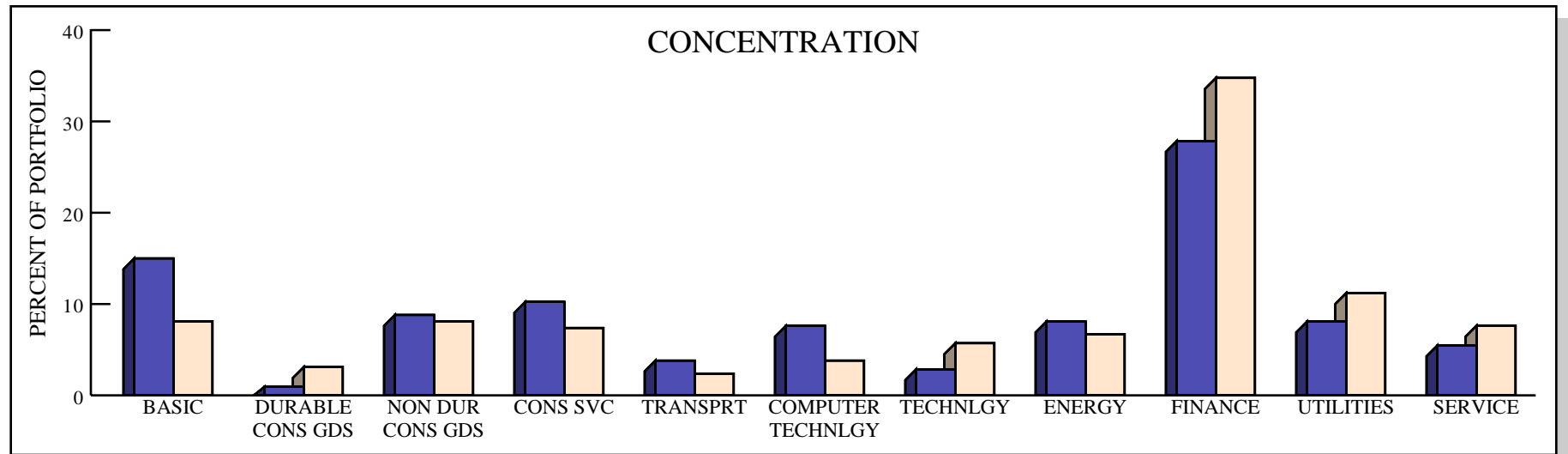
**STOCK CHARACTERISTICS**



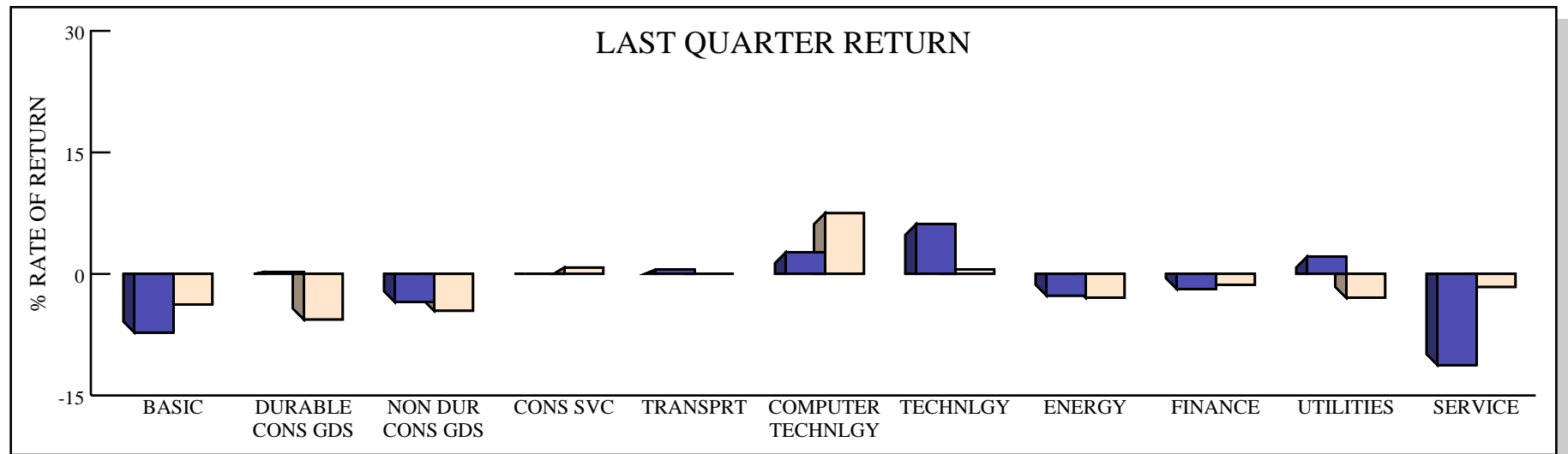
	# HOLDINGS	YIELD	GROWTH	P/E	BETA
PORTFOLIO	89	1.9%	9.0%	19.6	1.01
RUSS MID VAL	582	2.2%	8.0%	21.2	0.94



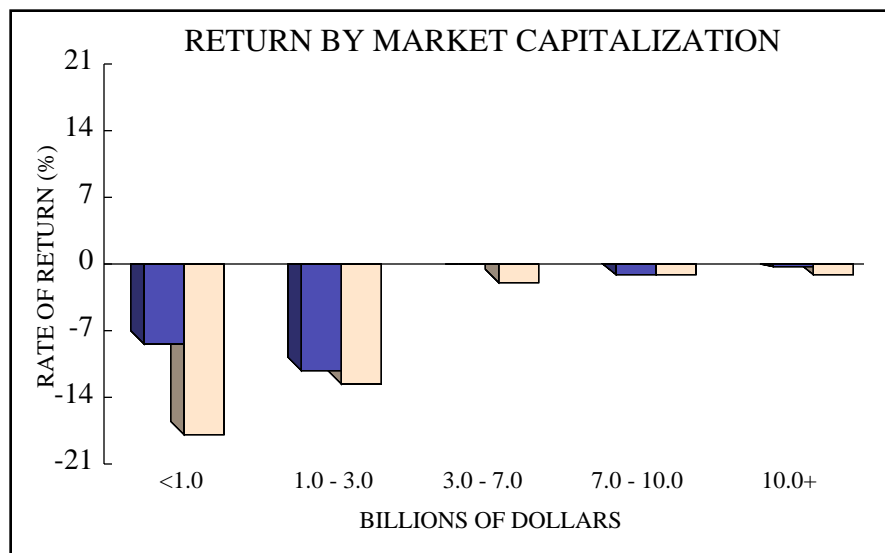
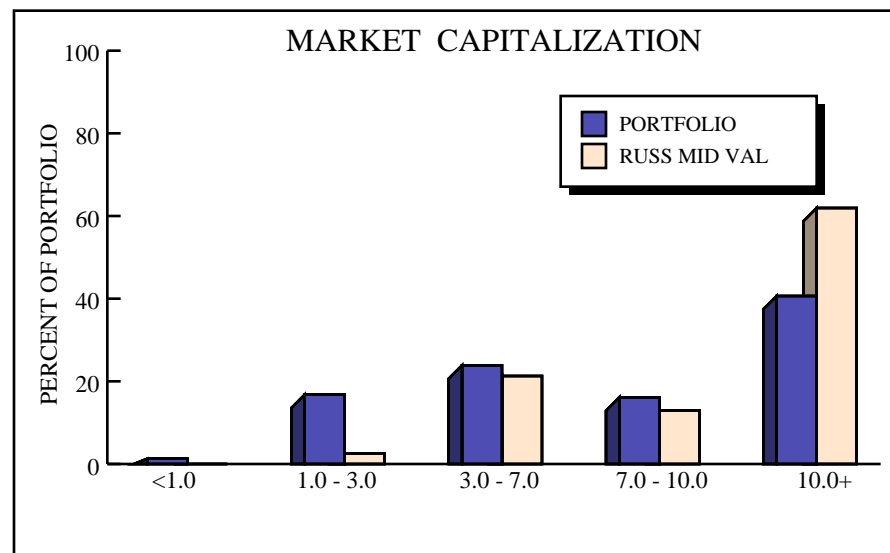
**STOCK INDUSTRY ANALYSIS**



■ PORTFOLIO      ■ RUSSELL MID CAP VALUE



**TOP TEN HOLDINGS**



**TOP TEN EQUITY HOLDINGS**

RANK	NAME	VALUE	% EQUITY	RETURN	INDUSTRY SECTOR	MKT CAP
1	CITIZENS FINANCIAL GROUP	\$ 1,392,267	3.28%	0.5%	Finance	\$ 20.5 B
2	ENERGEN CORP	1,228,599	2.89%	9.2%	Energy	6.1 B
3	ENERGY CORP	1,164,368	2.74%	-2.0%	Utilities	14.3 B
4	LIBERTY PROPERTY TRUST	1,046,687	2.46%	-6.7%	Finance	5.9 B
5	KNIGHT-SWIFT TRANSPORTATION	906,627	2.14%	5.4%	Transportation	8.2 B
6	TEREX CORP	860,056	2.03%	-22.2%	Basic	2.9 B
7	VISTRA ENERGY CORP	839,761	1.98%	13.7%	Utilities	8.9 B
8	HARTFORD FINANCIAL SVCS GRP	755,026	1.78%	-8.0%	Finance	18.4 B
9	PUBLIC SERVICE ENTERPRISE GP	750,334	1.77%	-1.5%	Utilities	25.4 B
10	MEDICAL PROPERTIES TRUST INC	749,580	1.77%	-3.8%	Finance	4.7 B



CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
KENNEDY - SMALL CAP CORE  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

As of March 31st, 2018, the City of Pontiac General Employees' Retirement System's Kennedy Small Cap Core portfolio was valued at \$20,802,512, which was a decrease of \$207,887 from the December ending value of \$21,010,399. During the last three months, the Fund recorded net withdrawals of \$181 and \$207,706 in net investment losses. The fund's net investment loss was a result of income receipts totaling \$49,239 and realized and unrealized capital losses totaling \$256,945.

## **RELATIVE PERFORMANCE**

### **Total Fund**

For the first quarter, the Kennedy Small Cap Core portfolio returned -1.0%, which was 0.9% less than the Russell 2000 Index's return of -0.1% and ranked in the 73rd percentile of the Small Cap Core universe. Over the trailing year, the portfolio returned 13.9%, which was 2.1% above the benchmark's 11.8% performance, ranking in the 34th percentile. Since December 1994, the account returned 14.9% on an annualized basis. For comparison, the Russell 2000 returned an annualized 9.6% over the same period.

## **HOLDINGS ANALYSIS**

At the end of the quarter, the Kennedy Small Cap Core portfolio was invested in all eleven industry sectors shown in our analysis. Relative to the Russell 2000 return, the portfolio was notably overweight in the Basic, Durable Consumer Goods, Technology and Finance. In contrast, the Non-Durable Consumer Goods, Computer Technology, Energy and Service sectors were underweight. All other industry sectors were concentrated similarly to the index.

In the first quarter, the Kennedy Small Cap Core portfolio underperformed in seven of the eleven invested sectors relative to the Russell 2000 return. Three of these seven underperforming sectors were overweight, magnifying the negative impact. Further pushing down on the total return was the Non-Durable Consumer Goods sector, posting a loss compared to the benchmark's notable gain. On the other hand, the overweight Finance sector delivered strong returns partially due to top ten holding Walker & Dunlop Inc. which returned 25.7% for the quarter.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 12/94
<b>Total Portfolio - Gross</b>	-1.0	13.9	7.7	11.0	10.6	11.2	14.9
<i>SMALL CAP CORE RANK</i>	(73)	(34)	(78)	(86)	(77)	(41)	----
<b>Total Portfolio - Net</b>	-1.2	12.7	6.6	9.9	9.5	10.5	14.5
Russell 2000	-0.1	11.8	8.4	11.5	10.4	9.8	9.6
<b>Domestic Equity - Gross</b>	-1.0	13.9	7.7	11.0	10.6	11.2	14.9
<i>SMALL CAP CORE RANK</i>	(73)	(34)	(78)	(86)	(77)	(41)	----
Russell 2000	-0.1	11.8	8.4	11.5	10.4	9.8	9.6

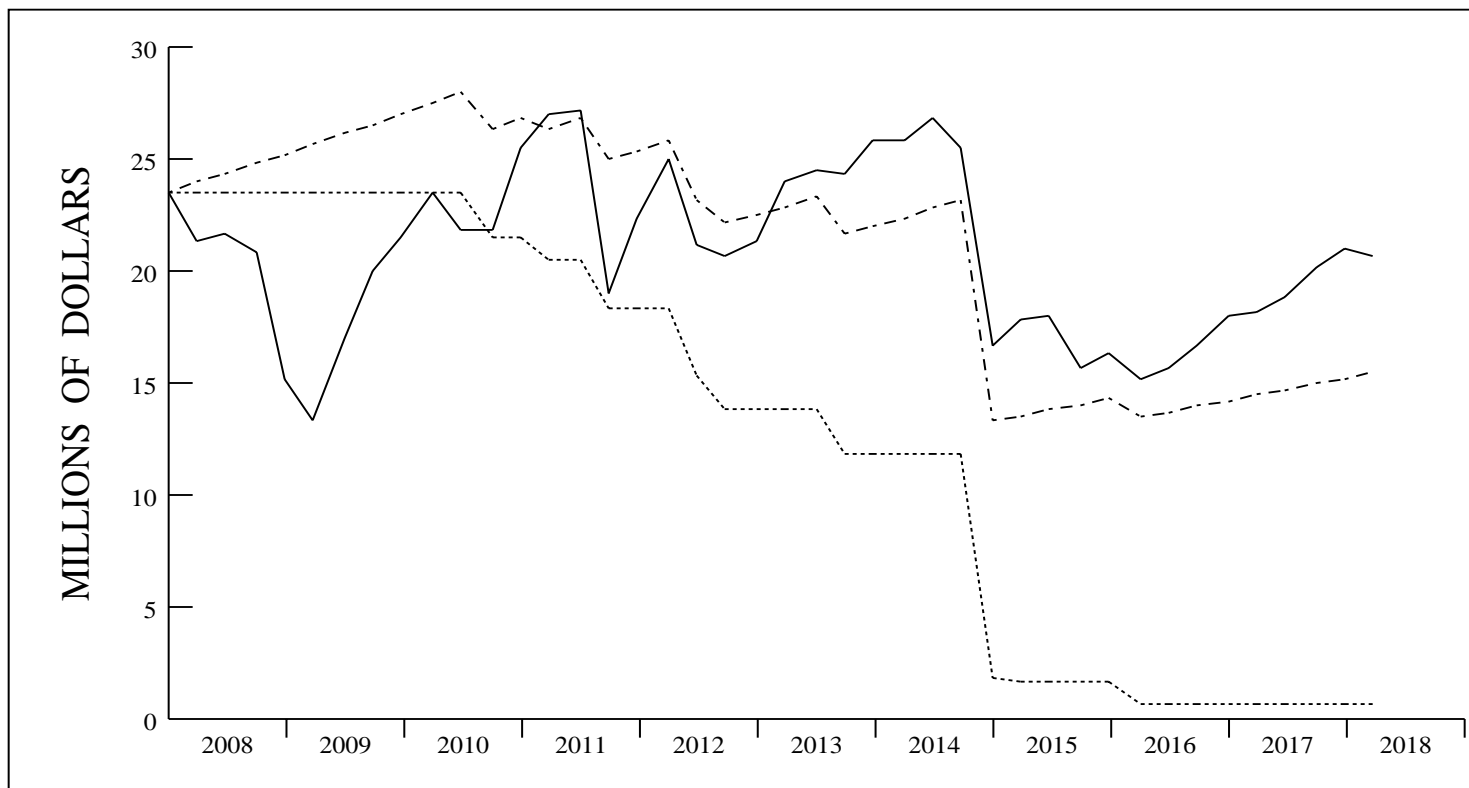
**ASSET ALLOCATION**

Domestic Equity	100.0%	\$ 20,802,512
Total Portfolio	100.0%	\$ 20,802,512

**INVESTMENT RETURN**

Market Value 12/2017	\$ 21,010,399
Contribs / Withdrawals	-181
Income	49,239
Capital Gains / Losses	-256,945
Market Value 3/2018	\$ 20,802,512

**INVESTMENT GROWTH**

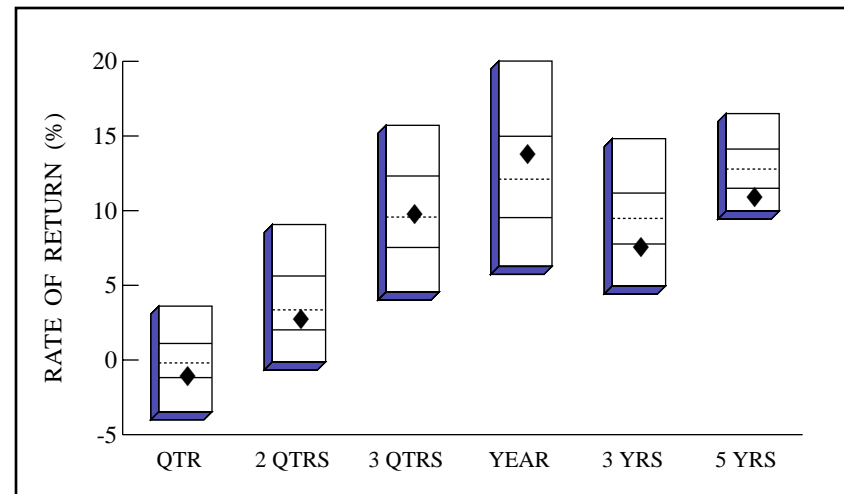
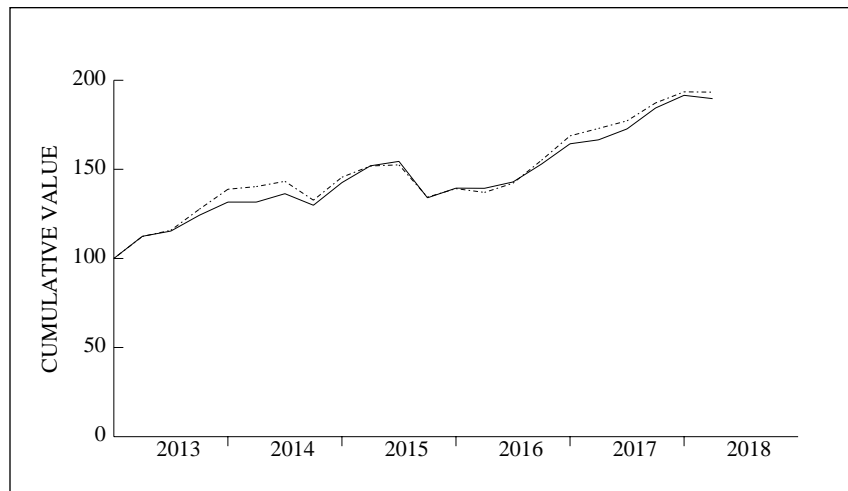


— ACTUAL RETURN  
 - - - 7.0%  
 . . . 0.0%

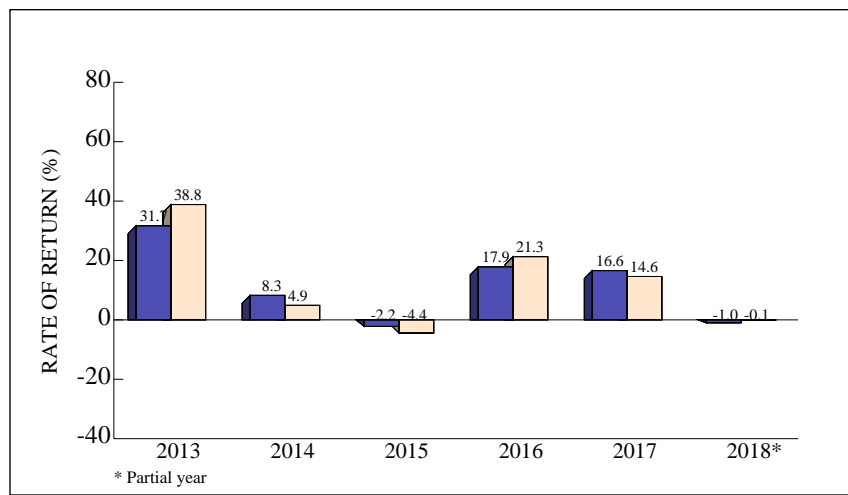
VALUE ASSUMING  
 7.0% RETURN \$ 15,543,048

	LAST QUARTER	PERIOD 12/07 - 3/18
BEGINNING VALUE	\$ 21,010,399	\$ 23,664,669
NET CONTRIBUTIONS	-181	-22,852,217
<u>INVESTMENT RETURN</u>	<u>-207,706</u>	<u>19,990,060</u>
ENDING VALUE	\$ 20,802,512	\$ 20,802,512
INCOME	49,239	1,569,092
<u>CAPITAL GAINS (LOSSES)</u>	<u>-256,945</u>	<u>18,420,968</u>
INVESTMENT RETURN	-207,706	19,990,060

**TOTAL RETURN COMPARISONS**



Small Cap Core Universe

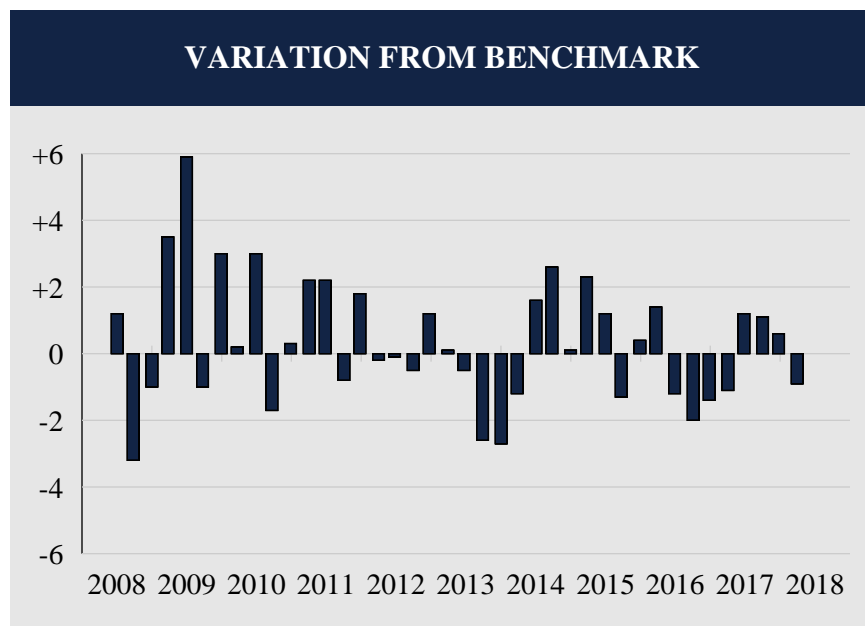


	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	-1.0	2.8	9.8	13.9	7.7	11.0
(RANK)	(73)	(59)	(45)	(34)	(78)	(86)
5TH %ILE	3.6	9.1	15.7	20.0	14.8	16.5
25TH %ILE	1.1	5.6	12.3	15.0	11.2	14.1
MEDIAN	-0.2	3.4	9.6	12.1	9.5	12.8
75TH %ILE	-1.2	2.0	7.5	9.5	7.8	11.5
95TH %ILE	-3.5	-0.1	4.6	6.3	5.0	10.0
<b>Russ 2000</b>	<b>-0.1</b>	<b>3.3</b>	<b>9.1</b>	<b>11.8</b>	<b>8.4</b>	<b>11.5</b>

Small Cap Core Universe

**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY - 10 YEARS**

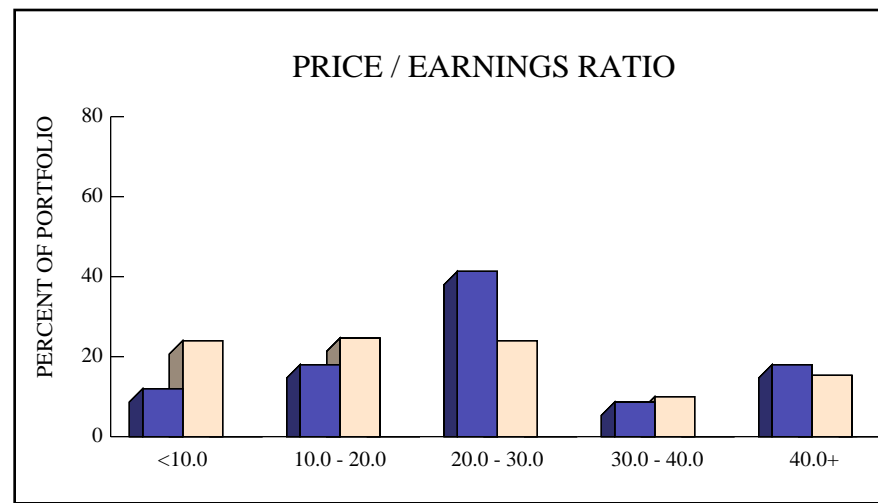
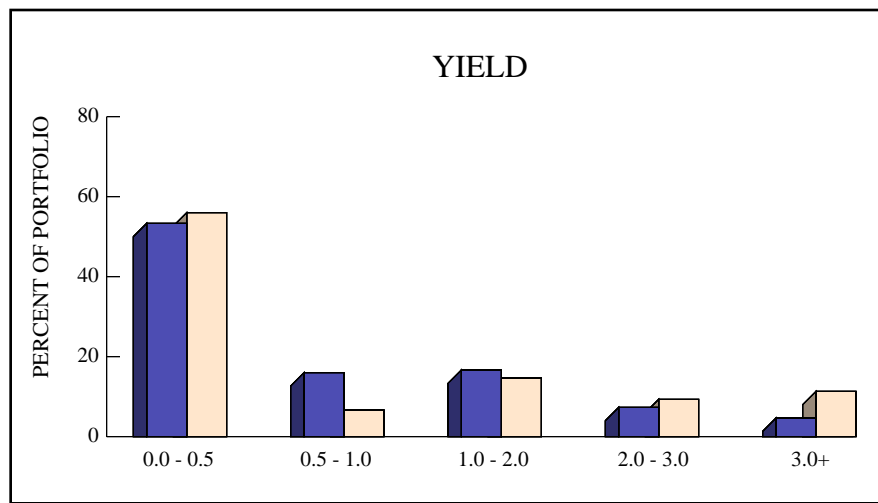
**COMPARATIVE BENCHMARK: RUSSELL 2000**



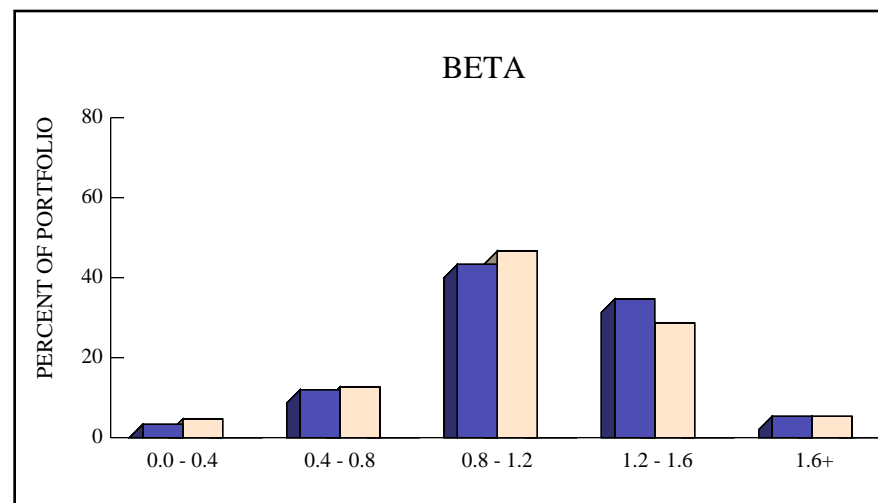
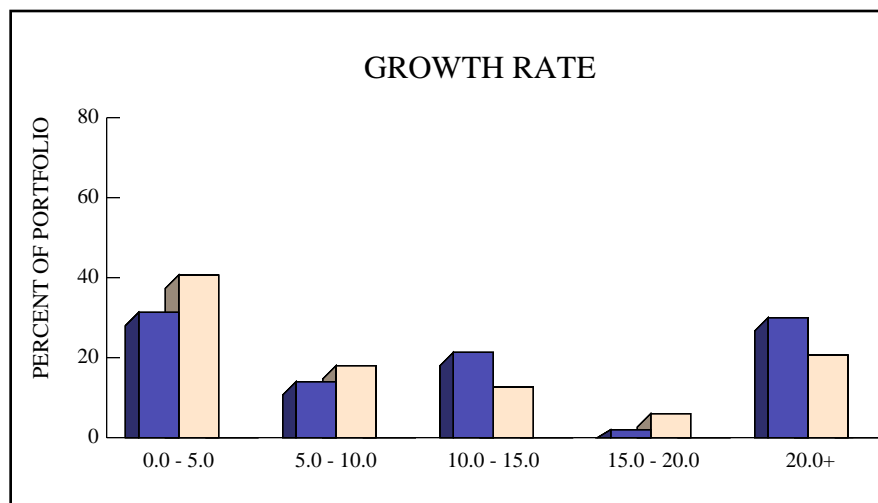
<b>Total Quarters Observed</b>	<b>40</b>
<b>Quarters At or Above the Benchmark</b>	<b>22</b>
<b>Quarters Below the Benchmark</b>	<b>18</b>
<b>Batting Average</b>	<b>.550</b>

<b>RATES OF RETURN</b>			
<b>Date</b>	<b>Portfolio</b>	<b>Benchmark</b>	<b>Difference</b>
6/08	1.8	0.6	1.2
9/08	-4.3	-1.1	-3.2
12/08	-27.1	-26.1	-1.0
3/09	-11.5	-15.0	3.5
6/09	26.6	20.7	5.9
9/09	18.3	19.3	-1.0
12/09	6.9	3.9	3.0
3/10	9.1	8.9	0.2
6/10	-6.9	-9.9	3.0
9/10	9.6	11.3	-1.7
12/10	16.6	16.3	0.3
3/11	10.1	7.9	2.2
6/11	0.6	-1.6	2.2
9/11	-22.7	-21.9	-0.8
12/11	17.3	15.5	1.8
3/12	12.2	12.4	-0.2
6/12	-3.6	-3.5	-0.1
9/12	4.7	5.2	-0.5
12/12	3.0	1.8	1.2
3/13	12.5	12.4	0.1
6/13	2.6	3.1	-0.5
9/13	7.6	10.2	-2.6
12/13	6.0	8.7	-2.7
3/14	-0.1	1.1	-1.2
6/14	3.6	2.0	1.6
9/14	-4.8	-7.4	2.6
12/14	9.8	9.7	0.1
3/15	6.6	4.3	2.3
6/15	1.6	0.4	1.2
9/15	-13.2	-11.9	-1.3
12/15	4.0	3.6	0.4
3/16	-0.1	-1.5	1.4
6/16	2.6	3.8	-1.2
9/16	7.0	9.0	-2.0
12/16	7.4	8.8	-1.4
3/17	1.4	2.5	-1.1
6/17	3.7	2.5	1.2
9/17	6.8	5.7	1.1
12/17	3.9	3.3	0.6
3/18	-1.0	-0.1	-0.9

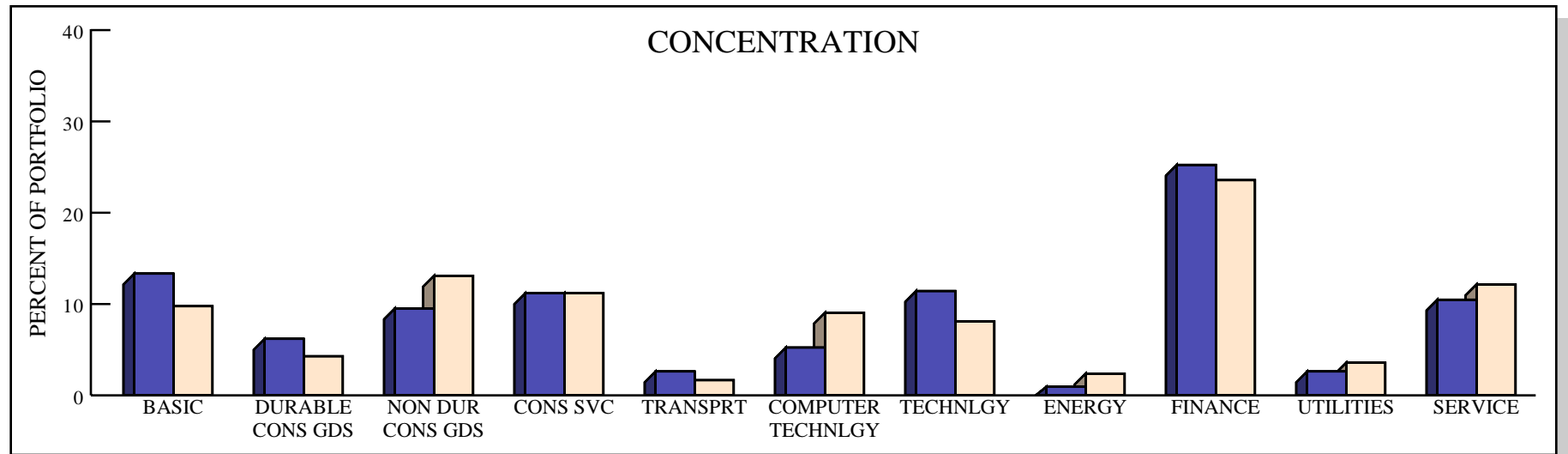
**STOCK CHARACTERISTICS**



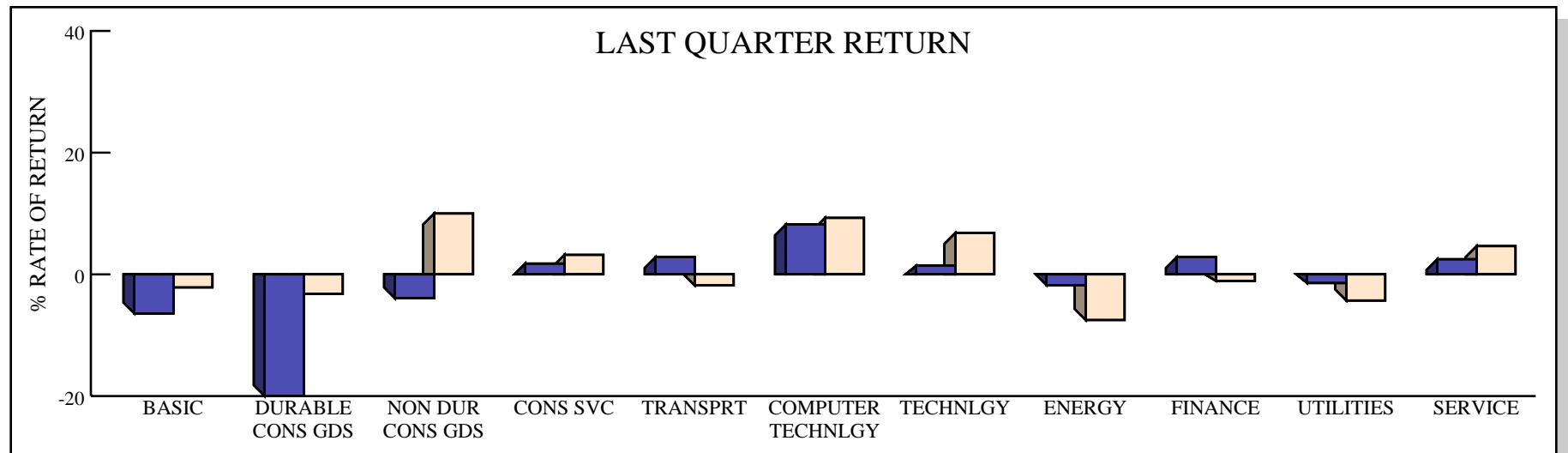
	# HOLDINGS	YIELD	GROWTH	P/E	BETA
PORTFOLIO	96	0.9%	12.6%	27.5	1.10
RUSSELL 2000	1,985	1.2%	9.4%	20.6	1.07



**STOCK INDUSTRY ANALYSIS**

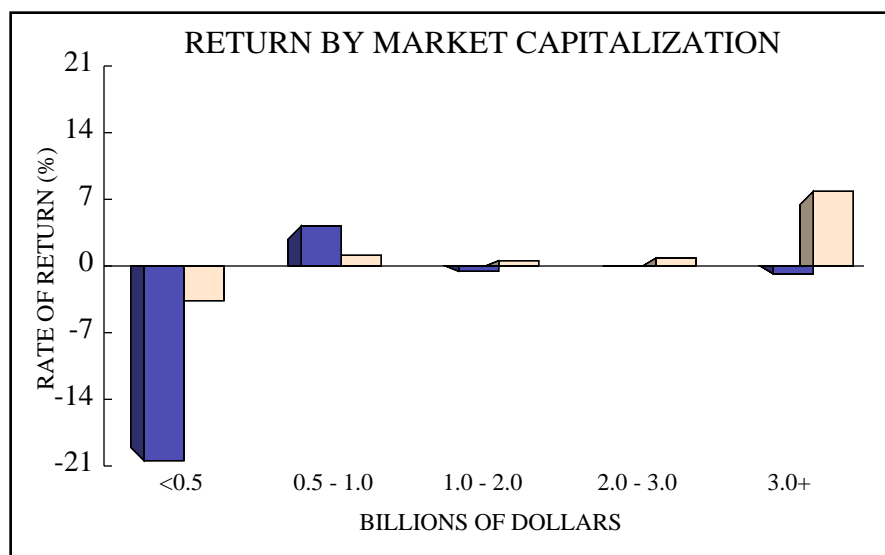
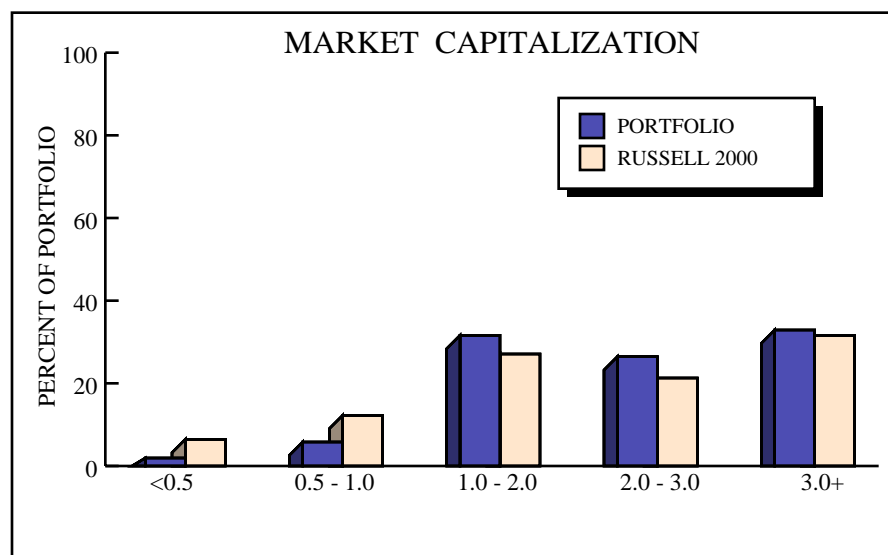


■ PORTFOLIO      ■ RUSSELL 2000





**TOP TEN HOLDINGS**



**TOP TEN EQUITY HOLDINGS**

RANK	NAME	VALUE	% EQUITY	RETURN	INDUSTRY SECTOR	MKT CAP
1	WALKER & DUNLOP INC	\$ 581,128	2.79%	25.7%	Finance	\$ 1.8 B
2	SYNNEX CORP	513,856	2.47%	-12.7%	Service	4.7 B
3	PRESTIGE BRANDS HOLDINGS INC	452,556	2.18%	-24.1%	NonDur Cons Goods	1.8 B
4	TIVITY HEALTH INC	409,505	1.97%	8.5%	Consumer Service	1.6 B
5	KENNAMETAL INC	405,174	1.95%	-16.7%	Basic	3.3 B
6	BRINK'S CO/THE	401,058	1.93%	-9.2%	Service	3.6 B
7	PREMIER INC-CLASS A	400,361	1.92%	7.3%	Consumer Service	1.7 B
8	ATLAS AIR WORLDWIDE HOLDINGS	350,429	1.68%	3.1%	Transportation	1.5 B
9	EMERGENT BIOSOLUTIONS INC	347,016	1.67%	13.3%	NonDur Cons Goods	2.6 B
10	LITHIA MOTORS INC-CL A	333,123	1.60%	-11.3%	Consumer Service	2.4 B

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
KENNEDY - SMALL CAP GROWTH  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Kennedy Small Cap Growth account was valued at \$14,551,725, an increase of \$410,674 over the December ending value of \$14,141,051. During the last three months, the fund recorded \$137 in net withdrawals, which marginally offset the portfolio's net investment return of \$410,811. Total net investment return was the result of income receipts, which totaled \$15,915 and \$394,896 in net realized and unrealized capital gains.

## **RELATIVE PERFORMANCE**

### **Total Fund**

For the first quarter, the Kennedy Small Cap Growth portfolio returned 2.9%, which was 0.6% greater than the Russell 2000 Growth Index's return of 2.3% and ranked in the 50th percentile of the Small Cap Growth universe. Over the trailing year, the portfolio returned 18.3%, which was 0.3% less than the benchmark's 18.6% return, ranking in the 58th percentile. Since December 2014, the account returned 12.4% per annum and ranked in the 34th percentile. The Russell 2000 Growth returned an annualized 10.2% over the same period.

## **HOLDINGS ANALYSIS**

At the end of the quarter, the Kennedy Small Cap Growth portfolio was diversified across ten of the eleven industry sectors in our analysis. With regard to the Russell 2000 Growth index, the portfolio was overweight in the Consumer Service and Technology sectors. In contrast, the Non-Durable Consumer Goods and Service sectors were underweight. The Utilities sector was left vacant. All other industry sectors were concentrated similarly to the index.

In the first quarter, the Kennedy Small Cap Growth portfolio surpassed the Russell 2000 Growth Index as half of the invested sectors outperformed. Superior selection in the Non-Durable Consumer Goods, Consumer Service, Transportation, and Finance sectors helped the portfolio to advance ahead of the index. Top ten holding Microsemi Corp, which returned 25.3% for the quarter, was instrumental to that end.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 12/14
<b>Total Portfolio - Gross</b>	2.9	18.3	10.9	----	----	----	12.4
<i>SMALL CAP GROWTH RANK</i>	(50)	(58)	(38)	----	----	----	(34)
<b>Total Portfolio - Net</b>	2.7	17.3	10.0	----	----	----	11.4
Russell 2000G	2.3	18.6	8.7	12.9	11.3	10.9	10.2
<b>Domestic Equity - Gross</b>	2.9	18.3	10.9	----	----	----	12.4
<i>SMALL CAP GROWTH RANK</i>	(50)	(58)	(38)	----	----	----	(34)
Russell 2000G	2.3	18.6	8.7	12.9	11.3	10.9	10.2

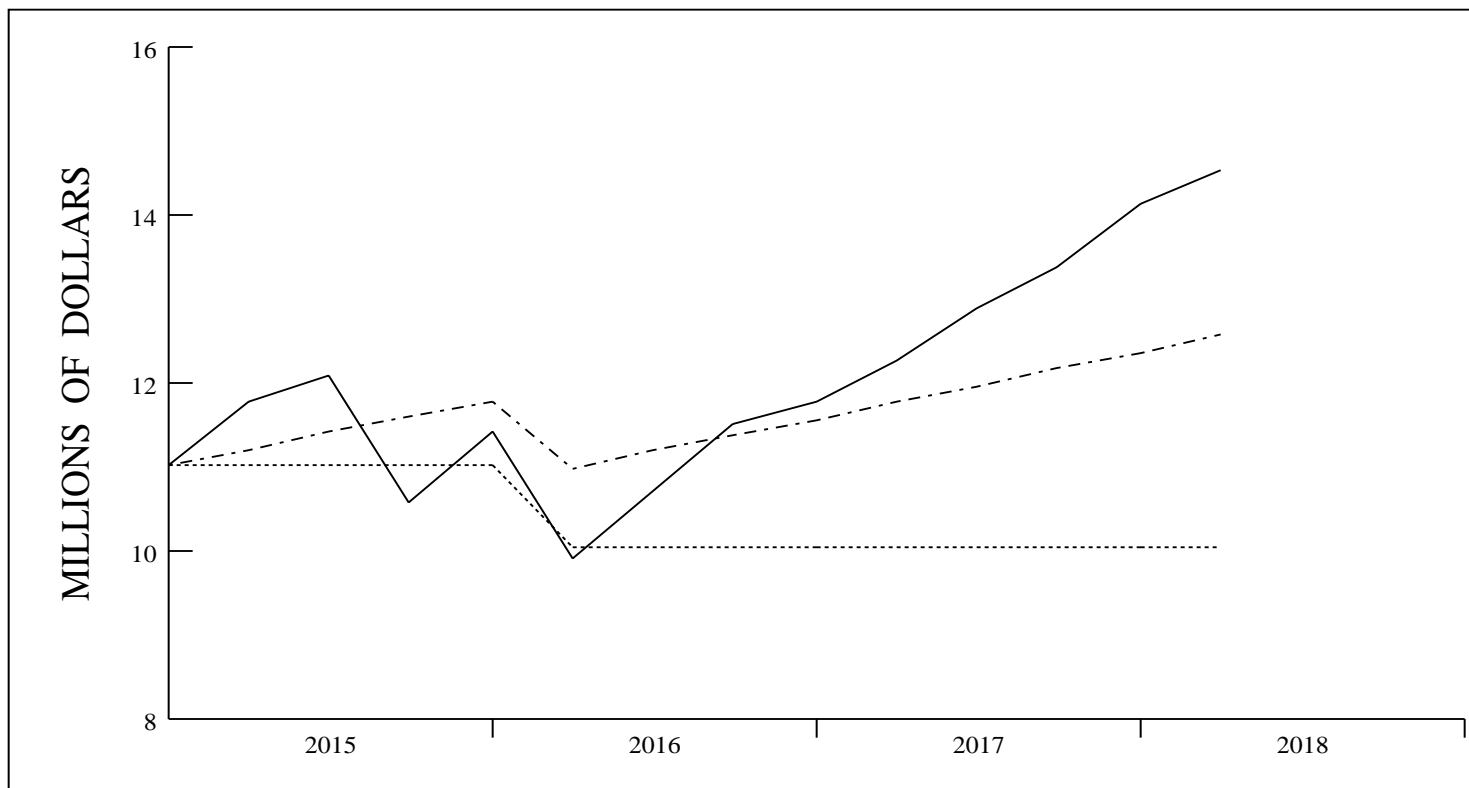
**ASSET ALLOCATION**

Domestic Equity	100.0%	\$ 14,551,725
Total Portfolio	100.0%	\$ 14,551,725

**INVESTMENT RETURN**

Market Value 12/2017	\$ 14,141,051
Contribs / Withdrawals	-137
Income	15,915
Capital Gains / Losses	394,896
Market Value 3/2018	\$ 14,551,725

**INVESTMENT GROWTH**

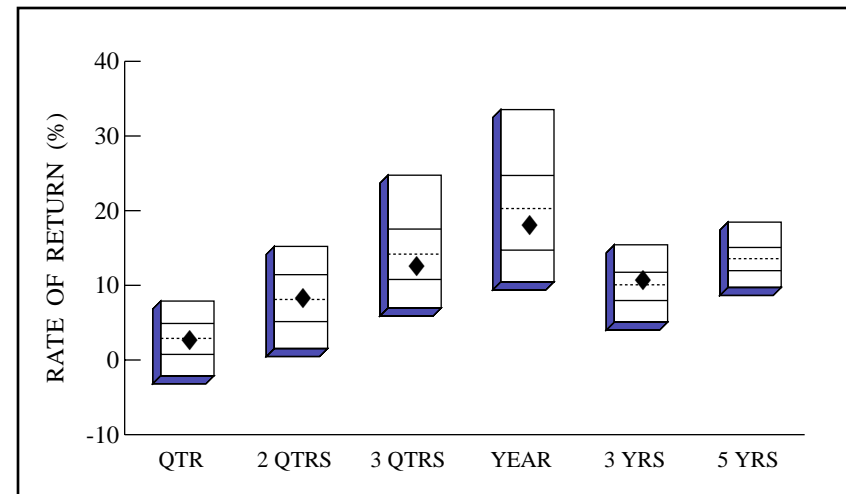
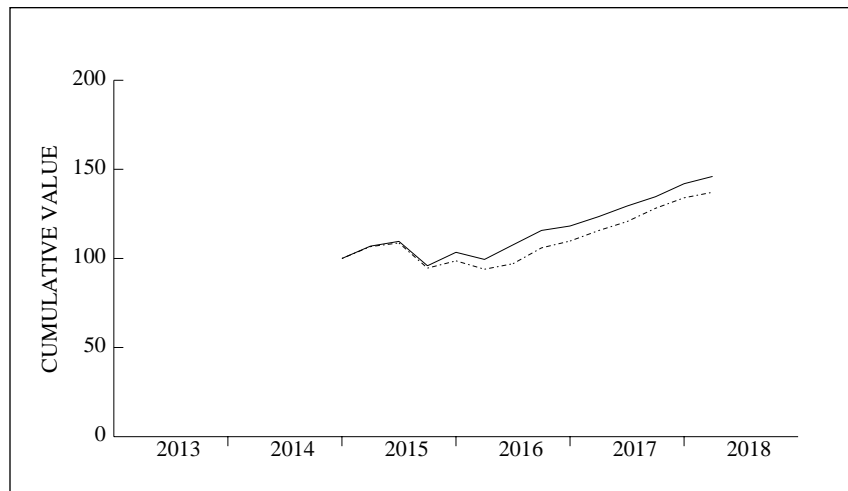


—	ACTUAL RETURN
- - -	7.0%
.....	0.0%

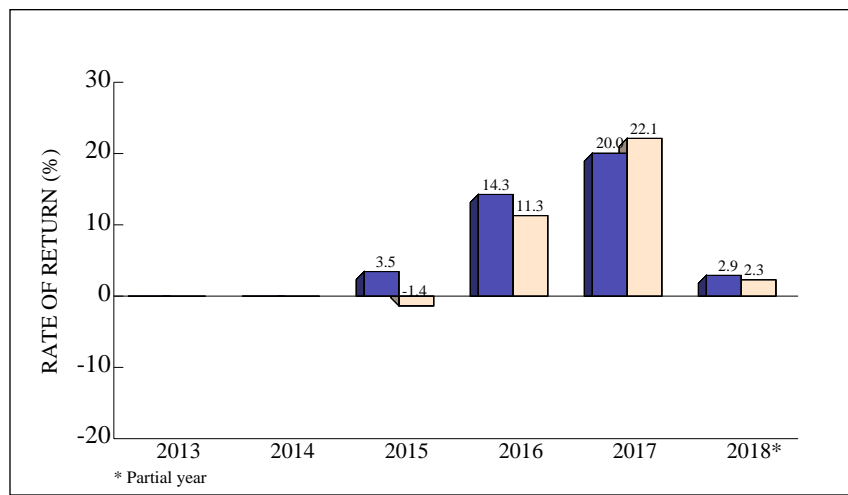
VALUE ASSUMING	
7.0% RETURN	\$ 12,607,828

	LAST QUARTER	PERIOD 12/14 - 3/18
BEGINNING VALUE	\$ 14,141,051	\$ 11,047,276
NET CONTRIBUTIONS	-137	-1,001,609
<u>INVESTMENT RETURN</u>	<u>410,811</u>	<u>4,506,058</u>
ENDING VALUE	\$ 14,551,725	\$ 14,551,725
INCOME	15,915	183,072
<u>CAPITAL GAINS (LOSSES)</u>	<u>394,896</u>	<u>4,322,986</u>
INVESTMENT RETURN	410,811	4,506,058

**TOTAL RETURN COMPARISONS**



Small Cap Growth Universe

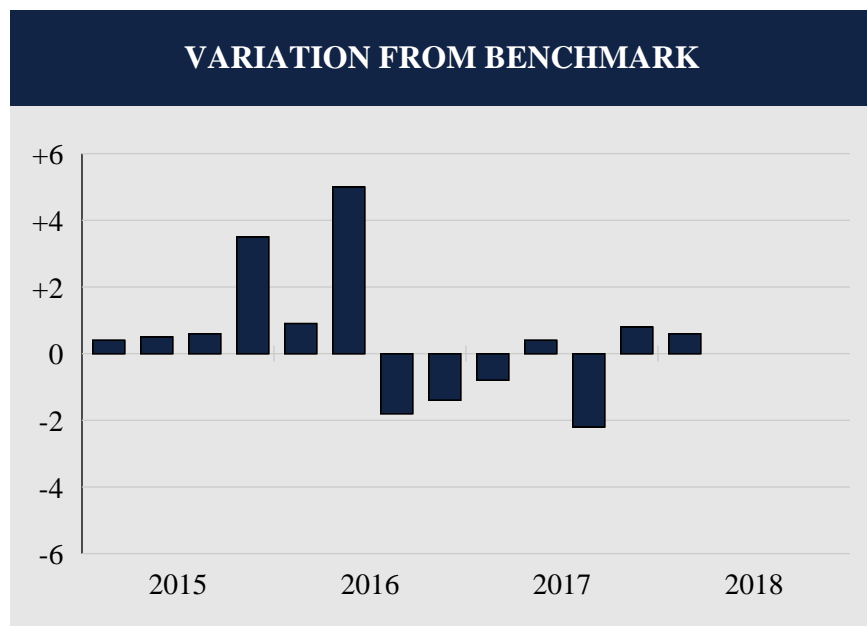


	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	2.9	8.5	12.8	18.3	10.9	---
(RANK)	(50)	(44)	(62)	(58)	(38)	---
5TH %ILE	7.9	15.2	24.7	33.5	15.4	18.5
25TH %ILE	4.9	11.4	17.5	24.7	11.7	15.1
MEDIAN	2.9	8.1	14.2	20.3	10.1	13.6
75TH %ILE	0.8	5.1	10.8	14.7	8.0	12.0
95TH %ILE	-2.1	1.6	7.0	10.5	5.1	9.7
<b>Russ 2000G</b>	<b>2.3</b>	<b>7.0</b>	<b>13.6</b>	<b>18.6</b>	<b>8.7</b>	<b>12.9</b>

Small Cap Growth Universe

**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY**

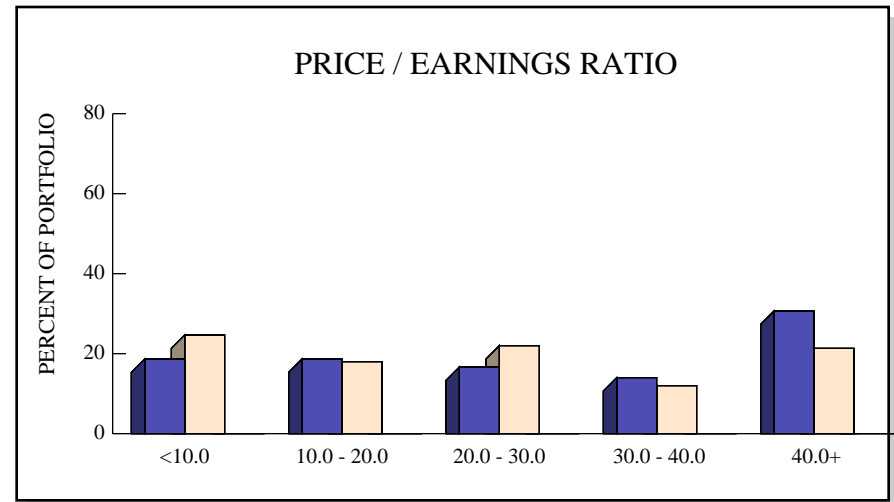
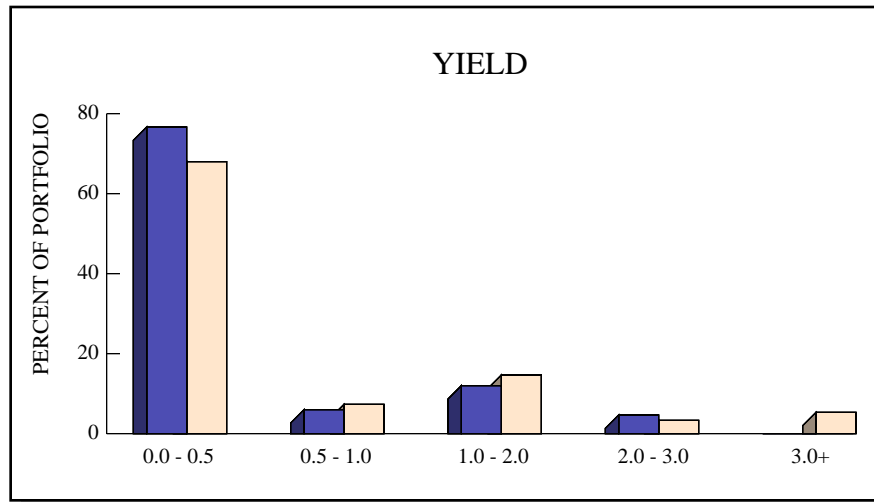
**COMPARATIVE BENCHMARK: RUSSELL 2000 GROWTH**



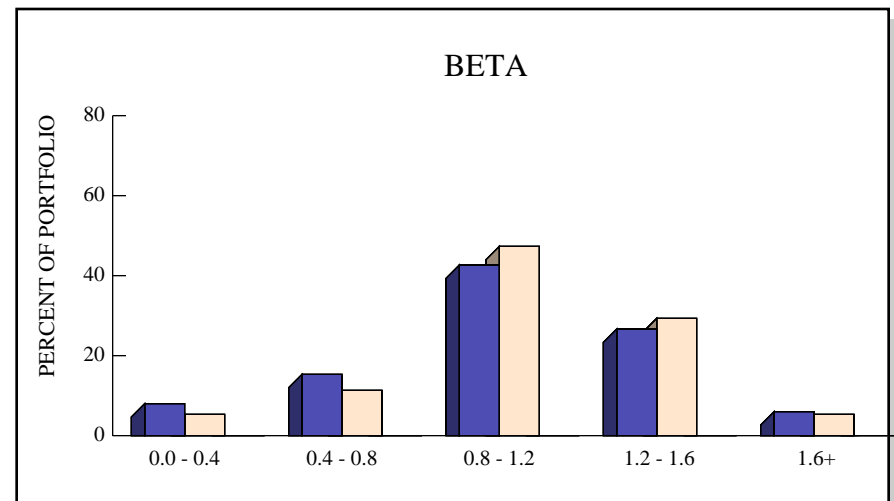
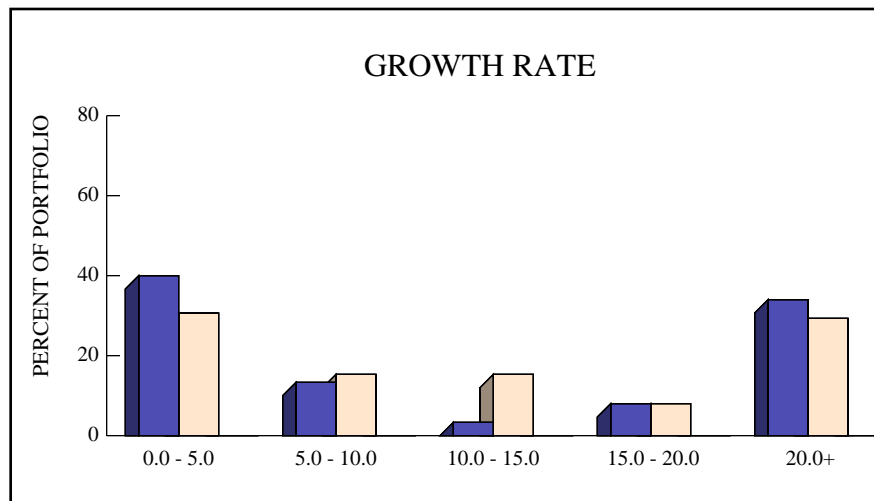
RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
3/15	7.0	6.6	0.4
6/15	2.5	2.0	0.5
9/15	-12.5	-13.1	0.6
12/15	7.8	4.3	3.5
3/16	-3.8	-4.7	0.9
6/16	8.2	3.2	5.0
9/16	7.4	9.2	-1.8
12/16	2.2	3.6	-1.4
3/17	4.5	5.3	-0.8
6/17	4.8	4.4	0.4
9/17	4.0	6.2	-2.2
12/17	5.4	4.6	0.8
3/18	2.9	2.3	0.6

<b>Total Quarters Observed</b>	<b>13</b>
<b>Quarters At or Above the Benchmark</b>	<b>9</b>
<b>Quarters Below the Benchmark</b>	<b>4</b>
<b>Batting Average</b>	<b>.692</b>

**STOCK CHARACTERISTICS**

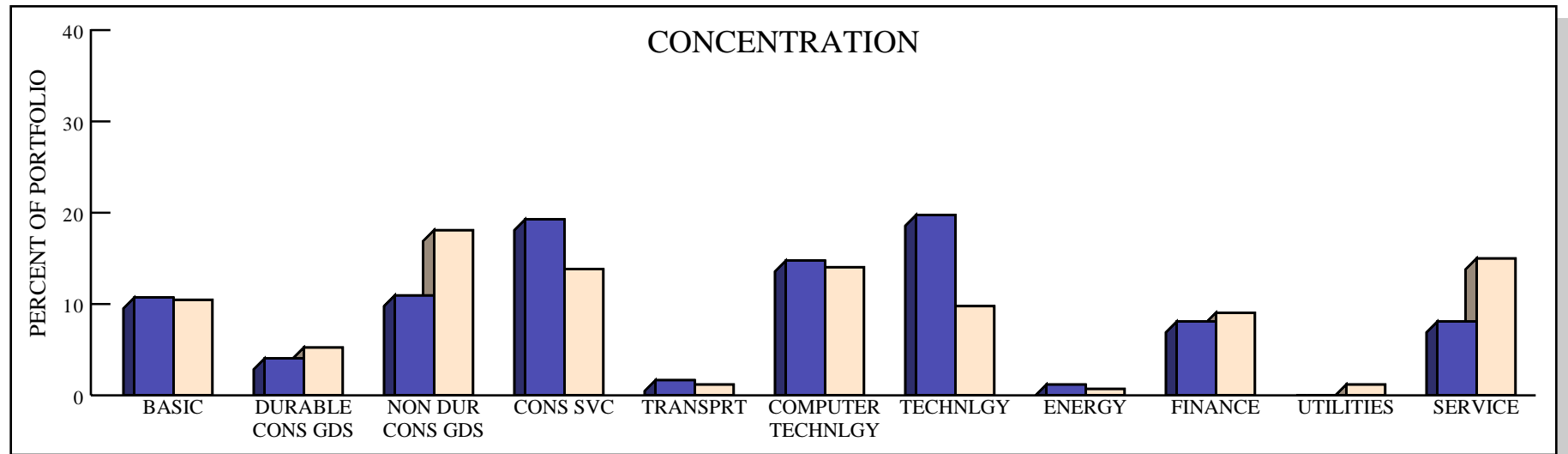


	# HOLDINGS	YIELD	GROWTH	P/E	BETA
PORTFOLIO	67	0.4%	13.8%	26.6	1.03
RUSSELL 2000G	1,189	0.7%	13.5%	22.8	1.08

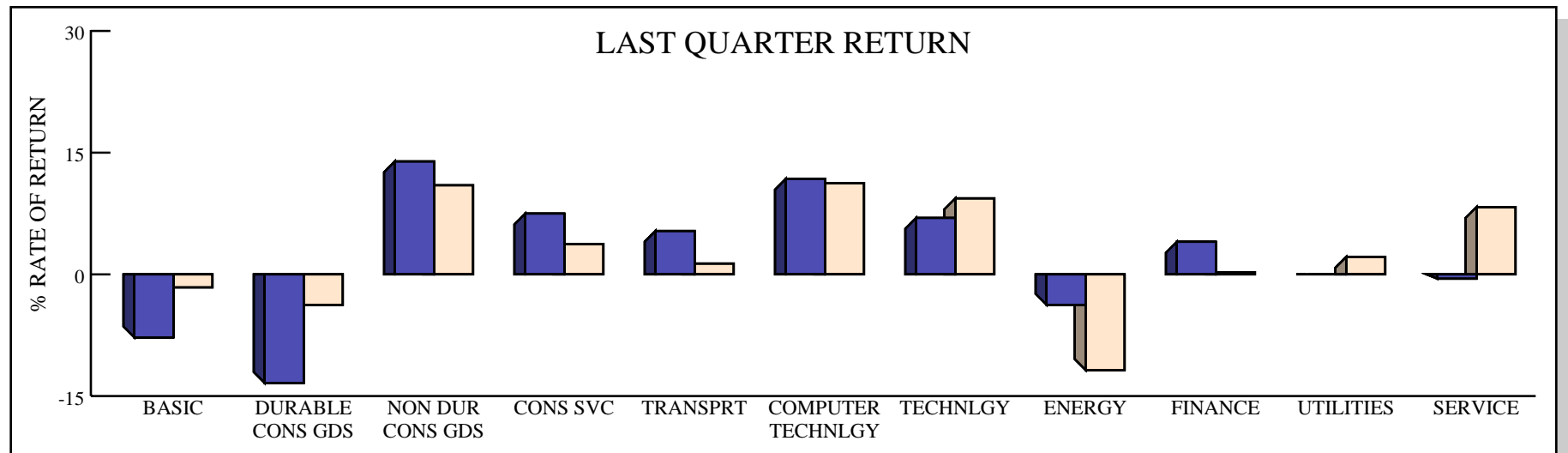




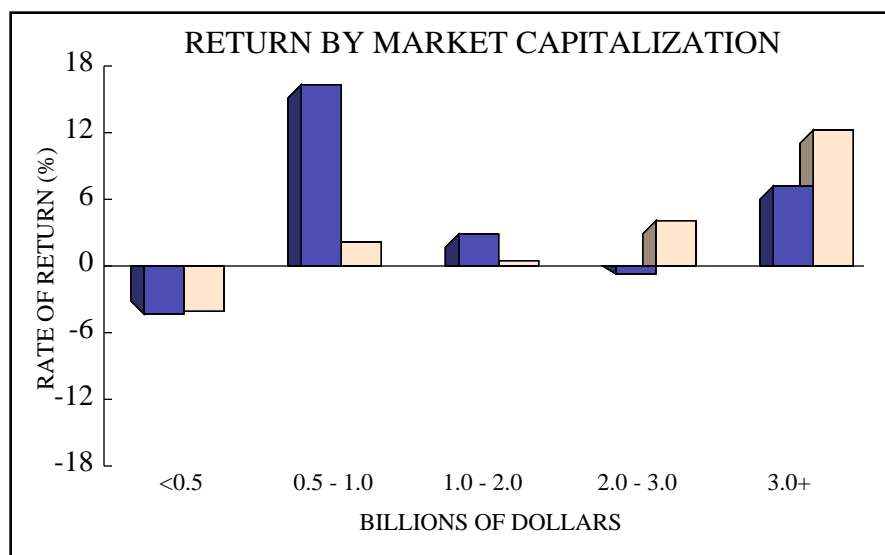
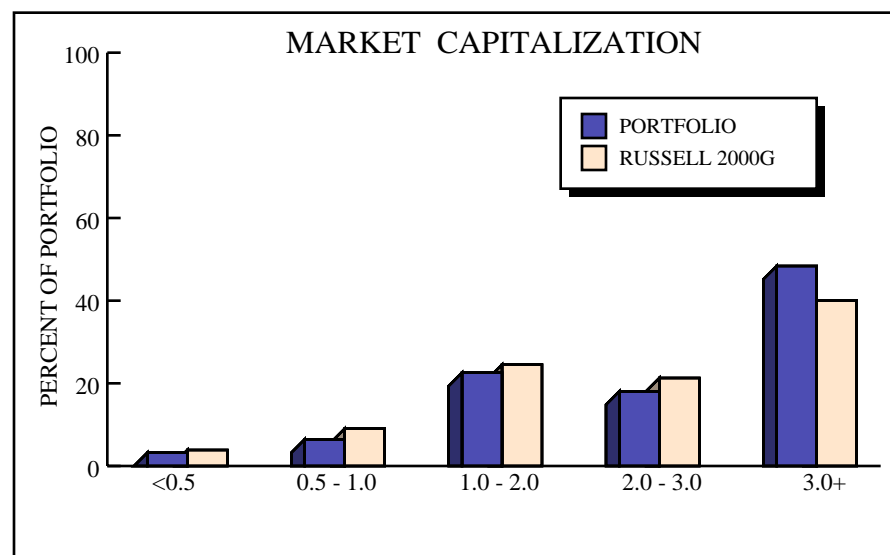
**STOCK INDUSTRY ANALYSIS**



■ PORTFOLIO      ■ RUSSELL 2000 GROWTH



**TOP TEN HOLDINGS**



**TOP TEN EQUITY HOLDINGS**

RANK	NAME	VALUE	% EQUITY	RETURN	INDUSTRY SECTOR	MKT CAP
1	PENUMBRA INC	\$ 304,044	2.09%	22.9%	Technology	\$ 3.9 B
2	FIVE9 INC	301,475	2.07%	19.7%	Service	1.7 B
3	WNS HOLDINGS LTD-ADR	299,722	2.06%	13.0%	Technology	2.3 B
4	MICROSEMI CORP	293,117	2.01%	25.3%	Computer Tech	7.6 B
5	TTM TECHNOLOGIES	276,015	1.90%	-2.4%	Technology	1.6 B
6	FIREEYE INC	275,485	1.89%	19.2%	Computer Tech	3.2 B
7	EVERBRIDGE INC	271,865	1.87%	23.2%	Computer Tech	1.0 B
8	CANTEL MEDICAL CORP	265,824	1.83%	8.4%	Technology	4.6 B
9	CHARLES RIVER LABORATORIES	260,552	1.79%	-2.5%	Consumer Service	5.1 B
10	KNIGHT-SWIFT TRANSPORTATION	258,070	1.77%	5.4%	Transportation	8.2 B

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
LOOMIS SAYLES - SMALL CAP VALUE  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Loomis Sayles Small Cap Value portfolio was valued at \$25,730,431, a decrease of \$533,395 from the December ending value of \$26,263,826. Last quarter, the account recorded total net withdrawals of \$364 in addition to \$533,031 in net investment losses. The fund's net investment loss was a result of income receipts totaling \$95,001 and realized and unrealized capital losses totaling \$628,032.

## **RELATIVE PERFORMANCE**

### **Total Fund**

During the first quarter, the Loomis Sayles Small Cap Value portfolio lost 2.0%, which was 0.6% greater than the Russell 2000 Value Index's return of -2.6% and ranked in the 53rd percentile of the Small Cap Value universe. Over the trailing year, the portfolio returned 7.9%, which was 2.7% greater than the benchmark's 5.2% performance, and ranked in the 55th percentile. Since December 1994, the account returned 13.5% per annum. For comparison, the Russell 2000 Value returned an annualized 10.5% over the same time frame.

## **HOLDINGS ANALYSIS**

In the first quarter, the Loomis Sayles Small Cap Value portfolio was invested in all eleven industry sectors shown in our analysis. Compared to the Russell 2000 Value index, the Basic, Non-Durable Consumer Goods, and Service sectors were overweight, while the Finance and Utilities sectors were underweight. All other industry sectors were concentrated similarly to the index.

A combination of selection effects and allocation effects resulted in the portfolio's 60 basis point lead over its benchmark. The increased position in the Service sector combined with its superior selection to add value to the portfolio where the index retreated. Conversely, The Basic sector held a prominent allocation and posted lower returns than its counterpart. The Finance sector, which was by far the largest sector in the portfolio (though offered less exposure than the index) posted a slight gain against the benchmark's slight loss.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 12/94
<b>Total Portfolio - Gross</b>	-2.0	7.9	8.6	11.8	11.1	11.8	13.5
<i>SMALL CAP VALUE RANK</i>	(53)	(55)	(50)	(49)	(51)	(28)	----
<b>Total Portfolio - Net</b>	-2.2	7.1	7.9	11.0	10.4	11.2	13.3
Russell 2000V	-2.6	5.2	7.9	10.0	9.4	8.6	10.5
<b>Domestic Equity - Gross</b>	-2.0	7.9	8.6	11.8	11.1	11.8	13.5
<i>SMALL CAP VALUE RANK</i>	(53)	(55)	(50)	(49)	(51)	(28)	----
Russell 2000V	-2.6	5.2	7.9	10.0	9.4	8.6	10.5

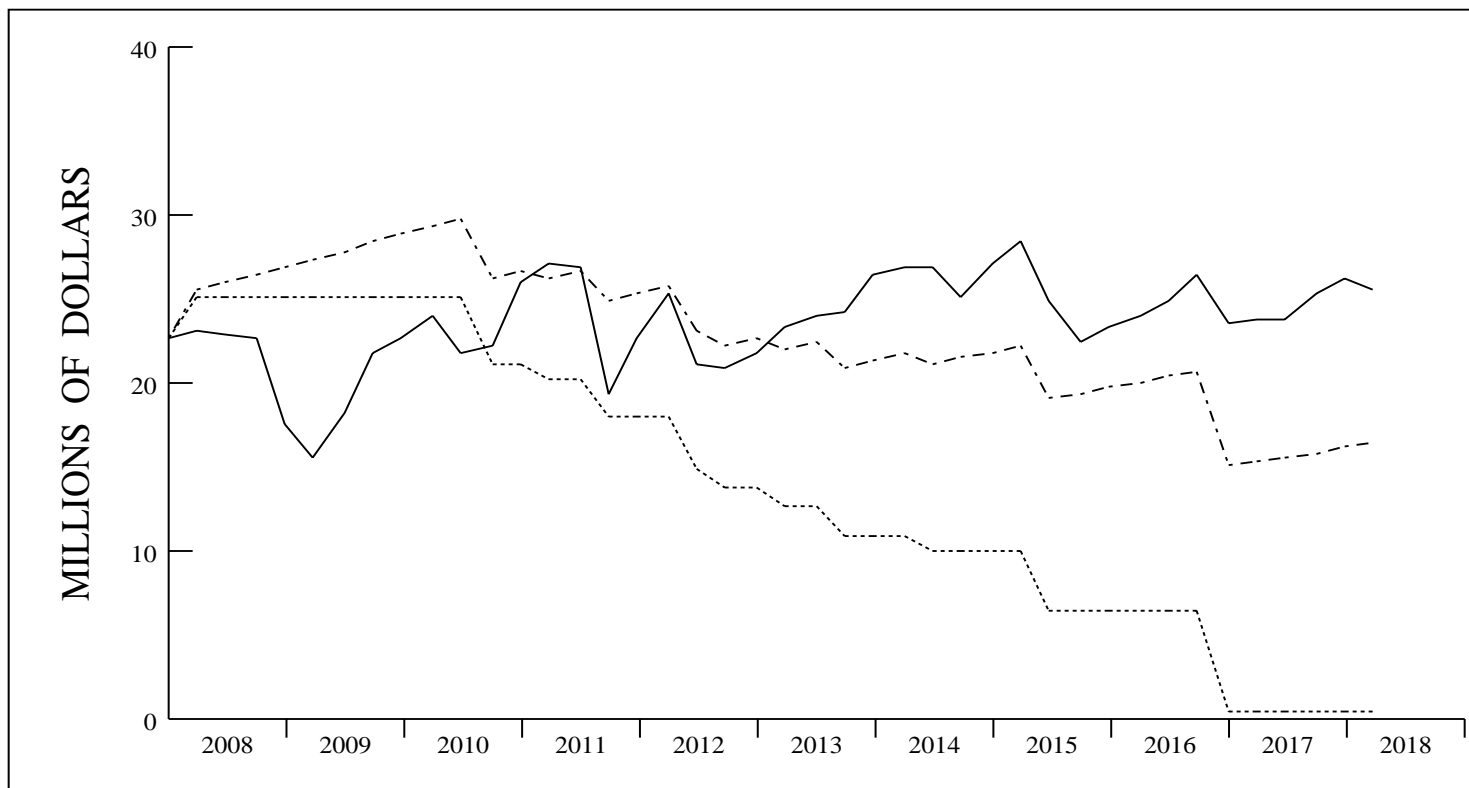
**ASSET ALLOCATION**

Domestic Equity	100.0%	\$ 25,730,431
Total Portfolio	100.0%	\$ 25,730,431

**INVESTMENT RETURN**

Market Value 12/2017	\$ 26,263,826
Contribs / Withdrawals	-364
Income	95,001
Capital Gains / Losses	-628,032
Market Value 3/2018	\$ 25,730,431

**INVESTMENT GROWTH**

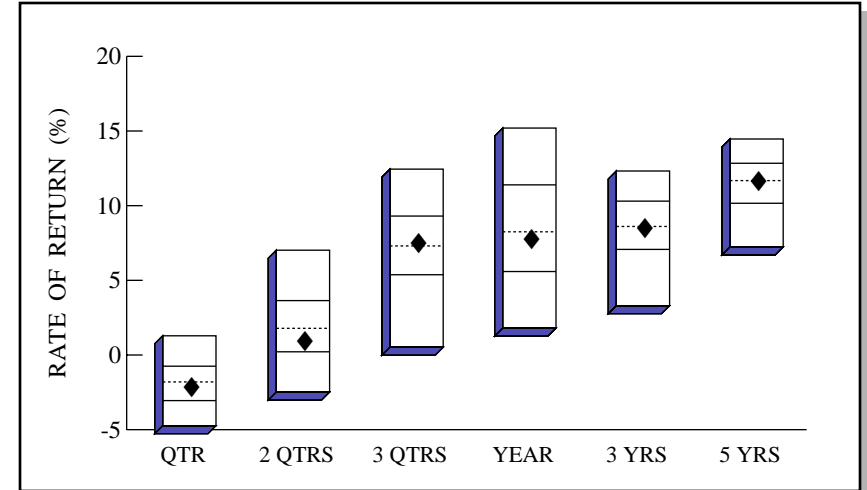
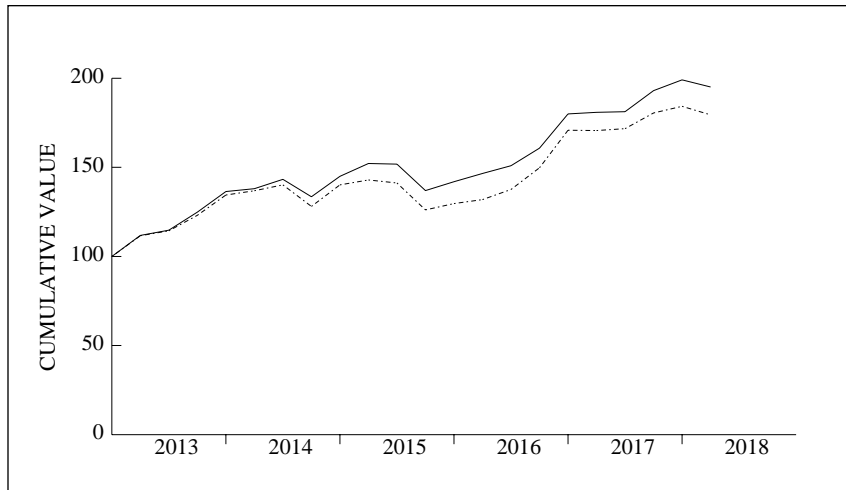


— ACTUAL RETURN  
 - - - 7.0%  
 ..... 0.0%

VALUE ASSUMING  
 7.0% RETURN \$ 16,545,871

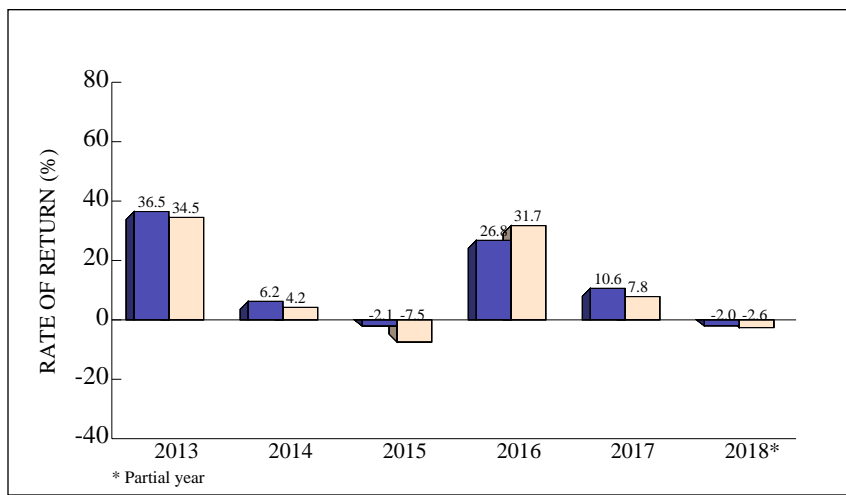
	LAST QUARTER	PERIOD 12/07 - 3/18
BEGINNING VALUE	\$ 26,263,826	\$ 22,726,519
NET CONTRIBUTIONS	-364	- 22,206,419
<u>INVESTMENT RETURN</u>	<u>-533,031</u>	<u>25,210,331</u>
ENDING VALUE	\$ 25,730,431	\$ 25,730,431
INCOME	95,001	2,882,195
<u>CAPITAL GAINS (LOSSES)</u>	<u>-628,032</u>	<u>22,328,136</u>
INVESTMENT RETURN	-533,031	25,210,331

**TOTAL RETURN COMPARISONS**



■ ——— PORTFOLIO  
■ - - - - RUSSELL 2000V

Small Cap Value Universe

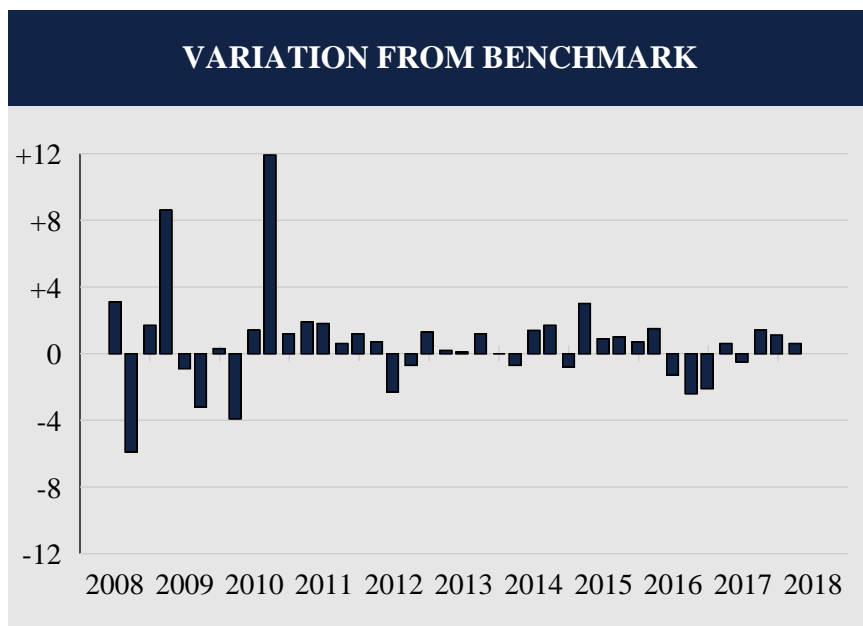


	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	-2.0	1.1	7.6	7.9	8.6	11.8
(RANK)	(53)	(61)	(47)	(55)	(50)	(49)
5TH %ILE	1.3	7.0	12.5	15.2	12.3	14.5
25TH %ILE	-0.8	3.7	9.3	11.4	10.3	12.8
MEDIAN	-1.8	1.8	7.3	8.3	8.6	11.7
75TH %ILE	-3.1	0.2	5.4	5.6	7.1	10.2
95TH %ILE	-4.7	-2.5	0.5	1.8	3.3	7.2
<b>Russ 2000V</b>	<b>-2.6</b>	<b>-0.6</b>	<b>4.5</b>	<b>5.2</b>	<b>7.9</b>	<b>10.0</b>

Small Cap Value Universe

**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY - 10 YEARS**

**COMPARATIVE BENCHMARK: RUSSELL 2000 VALUE**

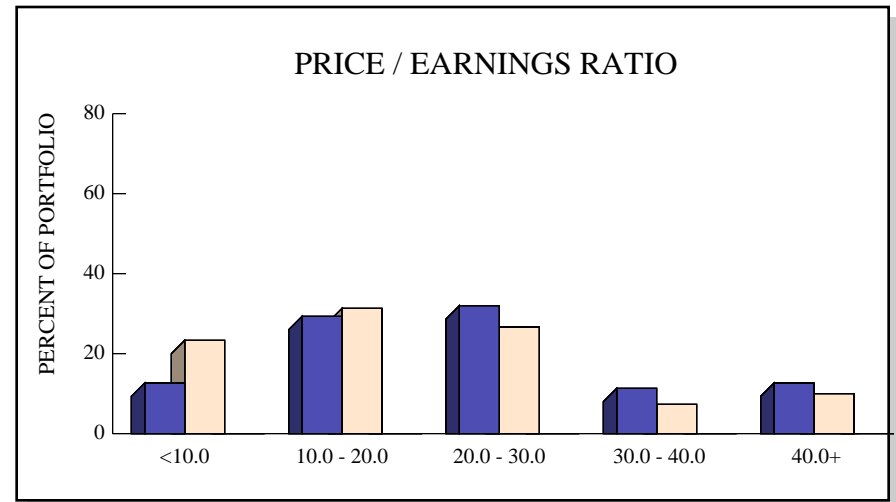
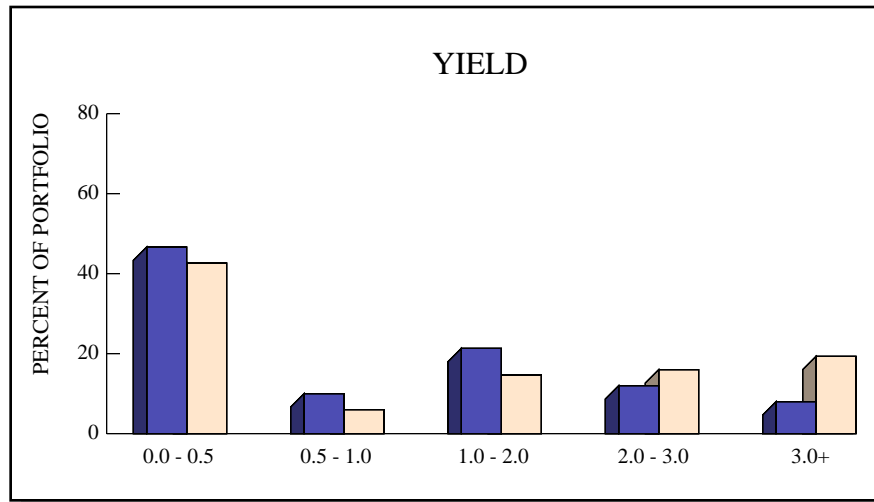


<b>Total Quarters Observed</b>	<b>40</b>
<b>Quarters At or Above the Benchmark</b>	<b>28</b>
<b>Quarters Below the Benchmark</b>	<b>12</b>
<b>Batting Average</b>	<b>.700</b>

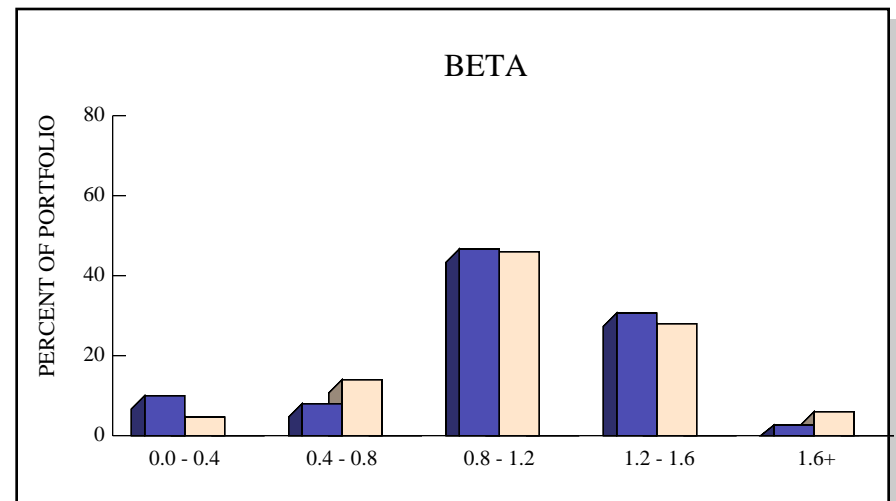
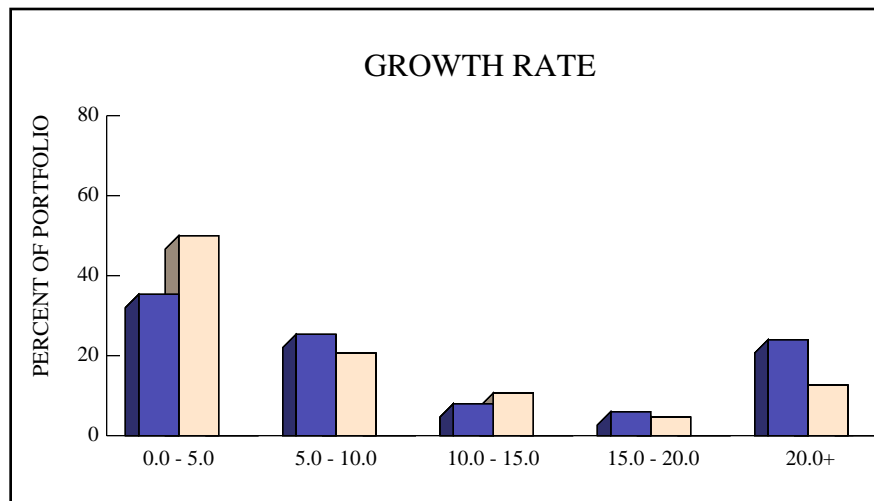
<b>RATES OF RETURN</b>			
Date	Portfolio	Benchmark	Difference
6/08	-0.5	-3.6	3.1
9/08	-0.9	5.0	-5.9
12/08	-23.2	-24.9	1.7
3/09	-11.0	-19.6	8.6
6/09	17.1	18.0	-0.9
9/09	19.5	22.7	-3.2
12/09	3.9	3.6	0.3
3/10	6.1	10.0	-3.9
6/10	-9.2	-10.6	1.4
9/10	21.6	9.7	11.9
12/10	16.6	15.4	1.2
3/11	8.5	6.6	1.9
6/11	-0.9	-2.7	1.8
9/11	-20.9	-21.5	0.6
12/11	17.2	16.0	1.2
3/12	12.3	11.6	0.7
6/12	-5.3	-3.0	-2.3
9/12	5.0	5.7	-0.7
12/12	4.5	3.2	1.3
3/13	11.8	11.6	0.2
6/13	2.6	2.5	0.1
9/13	8.8	7.6	1.2
12/13	9.3	9.3	0.0
3/14	1.1	1.8	-0.7
6/14	3.8	2.4	1.4
9/14	-6.9	-8.6	1.7
12/14	8.6	9.4	-0.8
3/15	5.0	2.0	3.0
6/15	-0.3	-1.2	0.9
9/15	-9.7	-10.7	1.0
12/15	3.6	2.9	0.7
3/16	3.2	1.7	1.5
6/16	3.0	4.3	-1.3
9/16	6.5	8.9	-2.4
12/16	12.0	14.1	-2.1
3/17	0.5	-0.1	0.6
6/17	0.2	0.7	-0.5
9/17	6.5	5.1	1.4
12/17	3.1	2.0	1.1
3/18	-2.0	-2.6	0.6



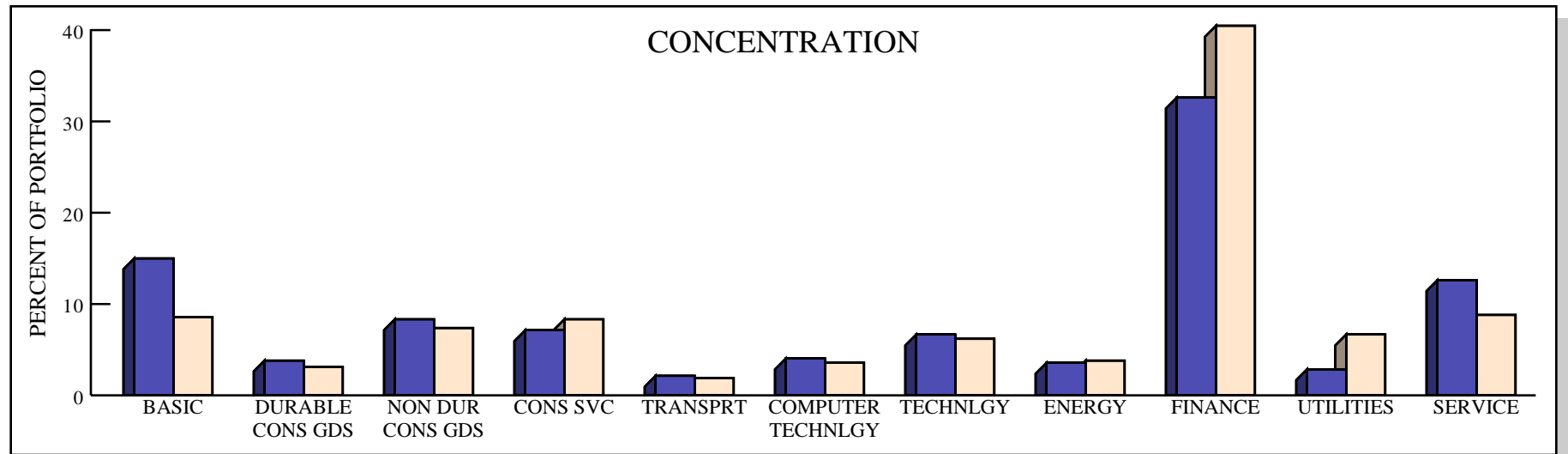
**STOCK CHARACTERISTICS**



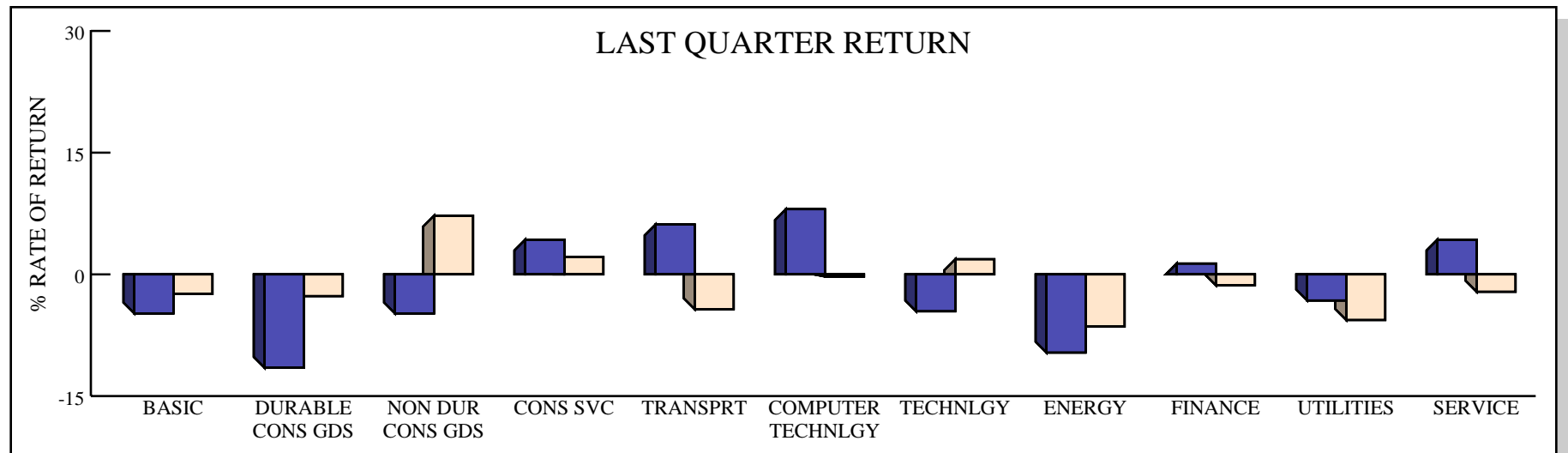
	# HOLDINGS	YIELD	GROWTH	P/E	BETA
PORTFOLIO	150	1.2%	11.5%	23.3	0.99
RUSSELL 2000V	1,400	1.8%	5.6%	18.3	1.06



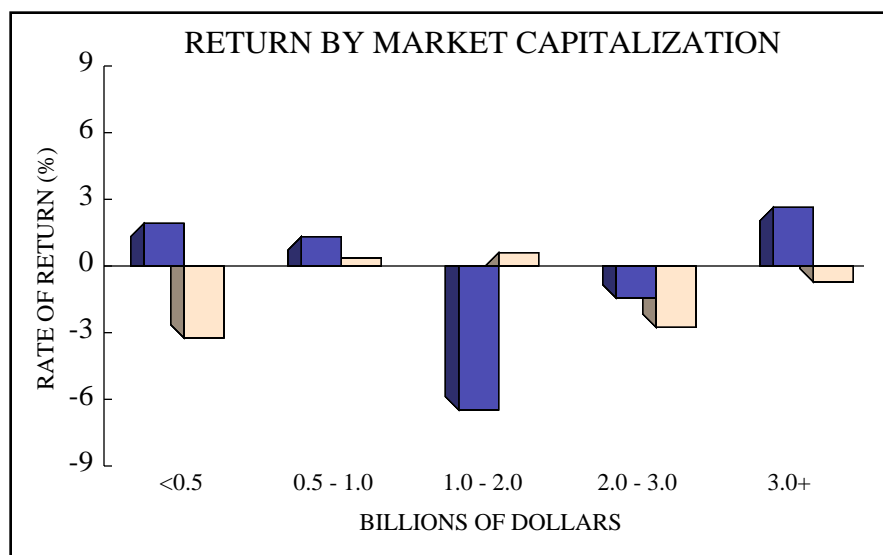
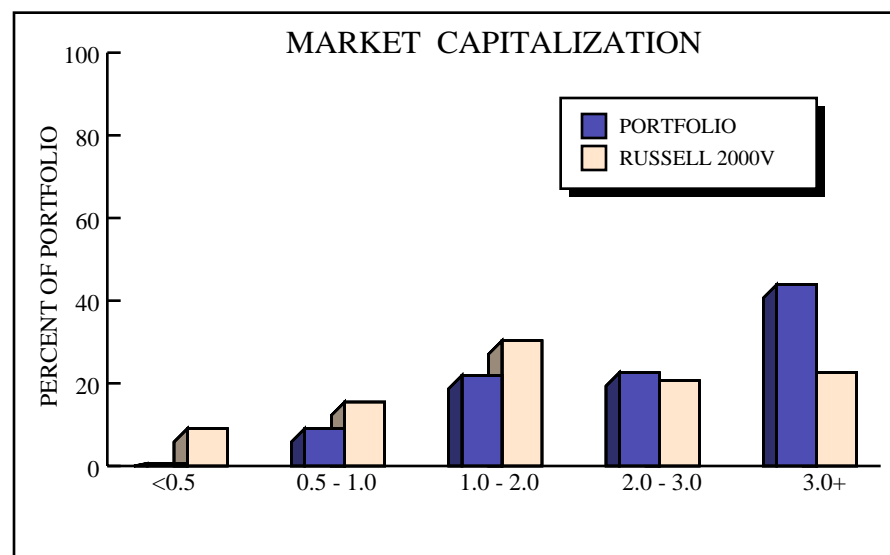
**STOCK INDUSTRY ANALYSIS**



■ PORTFOLIO      ■ RUSSELL 2000 VALUE



**TOP TEN HOLDINGS**



**TOP TEN EQUITY HOLDINGS**

RANK	NAME	VALUE	% EQUITY	RETURN	INDUSTRY SECTOR	MKT CAP
1	LITTELFUSE INC	\$ 441,133	1.71%	5.4%	Basic	\$ 5.2 B
2	WINTRUST FINANCIAL CORP	335,681	1.30%	4.7%	Finance	4.8 B
3	CHURCHILL DOWNS INC	331,420	1.29%	4.9%	Consumer Service	3.3 B
4	ALLETE INC	298,609	1.16%	-2.0%	Utilities	3.7 B
5	KAR AUCTION SERVICES INC	295,986	1.15%	8.0%	Consumer Service	7.3 B
6	MELLANOX TECHNOLOGIES LTD	287,976	1.12%	12.6%	Computer Tech	3.8 B
7	TERADYNE INC	279,882	1.09%	9.4%	Technology	8.9 B
8	TRIUMPH BANCORP INC	279,501	1.09%	30.8%	Finance	0.9 B
9	MARRIOTT VACATIONS WORLD	276,124	1.07%	-1.2%	Finance	3.5 B
10	RETAIL OPPORTUNITY INVESTMEN	272,807	1.06%	-10.5%	Finance	2.0 B

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
WCM - FOCUSED GROWTH INTERNATIONAL  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's WCM Focused Growth International portfolio was valued at \$37,318,862, a decrease of \$6,663,652 from the December ending value of \$43,982,514. Last quarter, the account recorded a net withdrawal of \$7,503,799, which overshadowed the fund's net investment return of \$840,147. Income receipts totaling \$85,049 and realized and unrealized capital gains of \$755,098 combined to produce the portfolio's net investment return.

## **RELATIVE PERFORMANCE**

### **Total Fund**

During the first quarter, the WCM Focused Growth International portfolio gained 1.9%, which was 3.1% greater than the MSCI All Country World Ex US Net Index's return of -1.2% and ranked in the 21st percentile of the International Equity universe. Over the trailing year, the portfolio returned 22.8%, which was 6.3% greater than the benchmark's 16.5% performance, and ranked in the 37th percentile. Since September 2013, the account returned 11.0% per annum and ranked in the 13th percentile. For comparison, the MSCI All Country World Ex US Net Index returned an annualized 5.0% over the same time frame.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 09/13
<b>Total Portfolio - Gross</b>	1.9	22.8	12.0	----	----	----	11.0
<i>INTERNATIONAL EQUITY RANK (21)</i>		(37)	(19)	----	----	----	(13)
<b>Total Portfolio - Net</b>	1.8	21.9	11.2	----	----	----	10.1
ACWI Ex US Net	-1.2	16.5	6.2	5.9	4.3	2.7	5.0
<b>International Equity - Gross</b>	1.9	22.8	12.0	----	----	----	11.0
<i>INTERNATIONAL EQUITY RANK (21)</i>		(37)	(19)	----	----	----	(13)
ACWI Ex US Net	-1.2	16.5	6.2	5.9	4.3	2.7	5.0

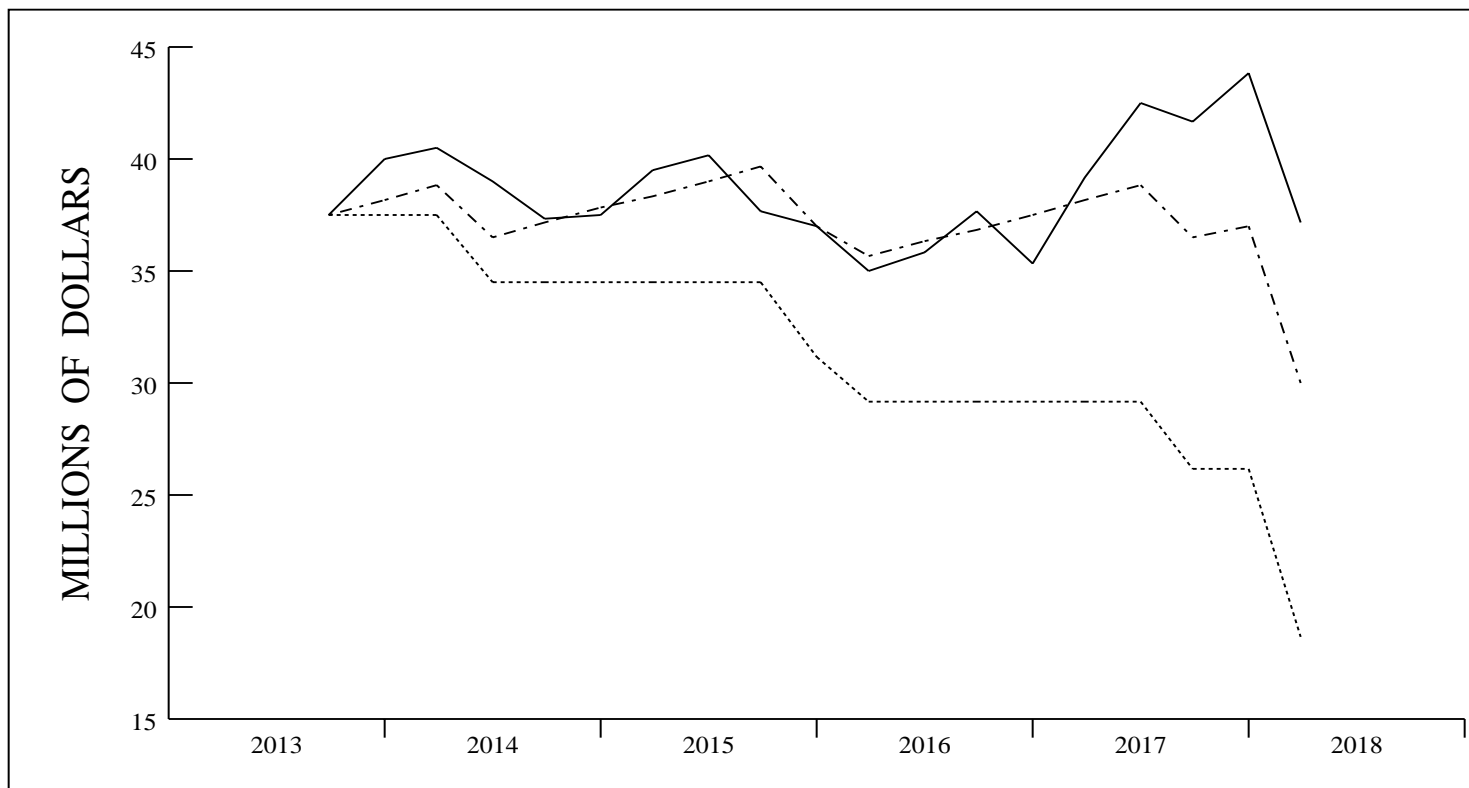
**ASSET ALLOCATION**

Int'l Equity	100.0%	\$ 37,318,862
Total Portfolio	100.0%	\$ 37,318,862

**INVESTMENT RETURN**

Market Value 12/2017	\$ 43,982,514
Contribs / Withdrawals	- 7,503,799
Income	85,049
Capital Gains / Losses	755,098
Market Value 3/2018	\$ 37,318,862

**INVESTMENT GROWTH**

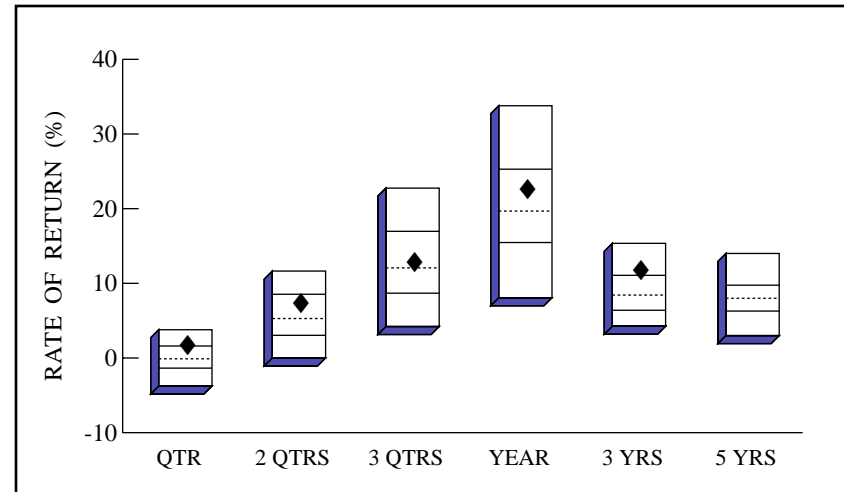
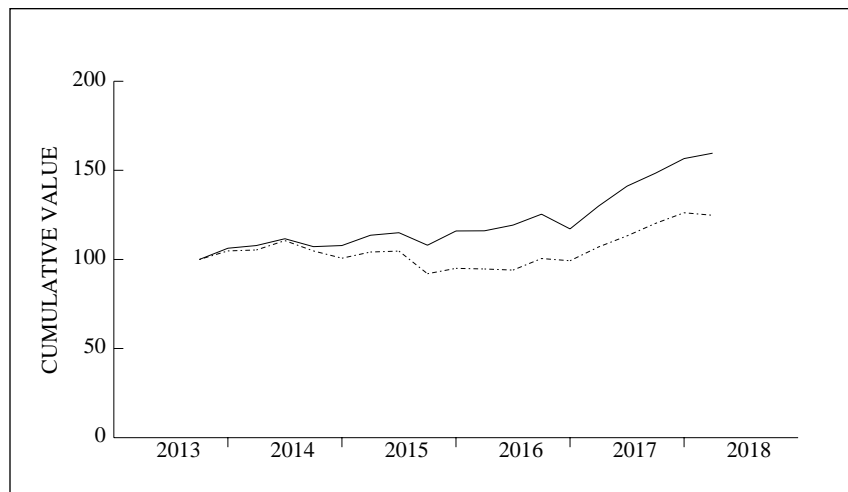


— ACTUAL RETURN  
 - - - 7.0%  
 . . . 0.0%

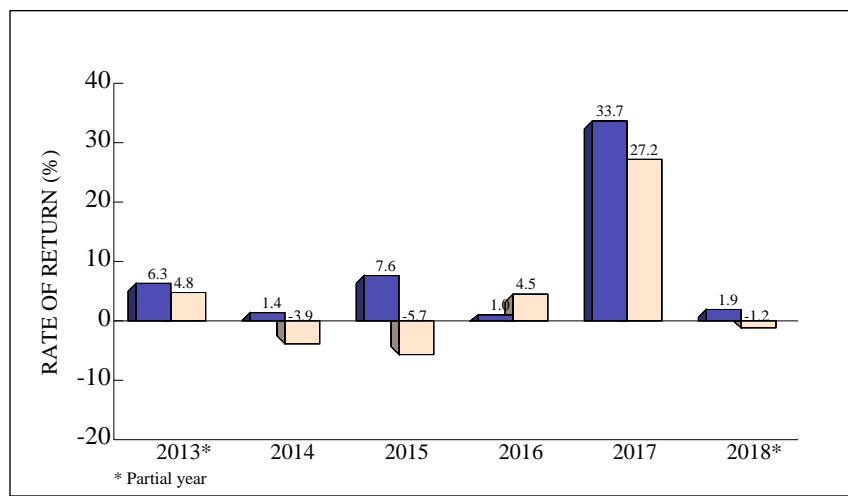
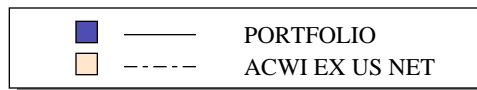
VALUE ASSUMING  
 7.0% RETURN \$ 30,155,334

	LAST QUARTER	PERIOD 9/13 - 3/18
BEGINNING VALUE	\$ 43,982,514	\$ 37,653,208
NET CONTRIBUTIONS	- 7,503,799	- 18,866,748
<u>INVESTMENT RETURN</u>	<u>840,147</u>	<u>18,532,402</u>
ENDING VALUE	\$ 37,318,862	\$ 37,318,862
INCOME	85,049	2,543,382
<u>CAPITAL GAINS (LOSSES)</u>	<u>755,098</u>	<u>15,989,020</u>
INVESTMENT RETURN	840,147	18,532,402

**TOTAL RETURN COMPARISONS**



International Equity Universe



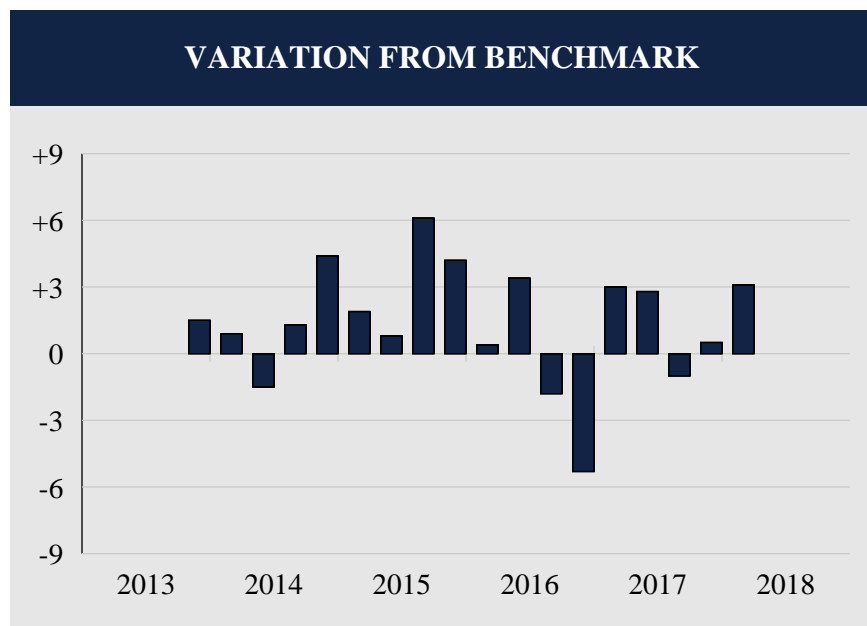
	QTR	2 QTRS	3 QTRS	YEAR	-----ANNUALIZED-----	
					3 YRS	5 YRS
RETURN	1.9	7.5	13.1	22.8	12.0	---
(RANK)	(21)	(34)	(44)	(37)	(19)	---
5TH %ILE	3.8	11.6	22.8	33.8	15.4	14.0
25TH %ILE	1.6	8.5	17.0	25.3	11.1	9.8
MEDIAN	-0.1	5.3	12.1	19.7	8.4	8.0
75TH %ILE	-1.4	3.0	8.7	15.5	6.4	6.3
95TH %ILE	-3.7	0.0	4.2	8.1	4.3	3.0
<b>ACWI Ex US Net</b>	<b>-1.2</b>	<b>3.8</b>	<b>10.2</b>	<b>16.5</b>	<b>6.2</b>	<b>5.9</b>

International Equity Universe



### TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

COMPARATIVE BENCHMARK: MSCI ALL COUNTRY WORLD EX US NET



RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
12/13	6.3	4.8	1.5
3/14	1.4	0.5	0.9
6/14	3.5	5.0	-1.5
9/14	-4.0	-5.3	1.3
12/14	0.5	-3.9	4.4
3/15	5.4	3.5	1.9
6/15	1.3	0.5	0.8
9/15	-6.1	-12.2	6.1
12/15	7.4	3.2	4.2
3/16	0.0	-0.4	0.4
6/16	2.8	-0.6	3.4
9/16	5.1	6.9	-1.8
12/16	-6.6	-1.3	-5.3
3/17	10.9	7.9	3.0
6/17	8.6	5.8	2.8
9/17	5.2	6.2	-1.0
12/17	5.5	5.0	0.5
3/18	1.9	-1.2	3.1

<b>Total Quarters Observed</b>	<b>18</b>
<b>Quarters At or Above the Benchmark</b>	<b>14</b>
<b>Quarters Below the Benchmark</b>	<b>4</b>
<b>Batting Average</b>	<b>.778</b>

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
CONSEQUENT CAPITAL MANAGEMENT - ALTERNATIVE PARTNERS I  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

*The most recent statement available at this time was September 30, 2017. The market value has been adjusted for the capital portion of the distribution. The return shown for the quarter results from the income portion of the distribution.*

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Consequent Capital Management Alternative Partners I portfolio was valued at \$5,545,568, a decrease of \$324,304 from the December ending value of \$5,869,872. Last quarter, the account recorded a net withdrawal of \$474,770, which overshadowed the fund's net investment return of \$150,466. Barring income receipts during the first quarter, the portfolio's net investment return figure was the product of \$150,466 in realized and unrealized capital gains.

## **RELATIVE PERFORMANCE**

### **Total Fund**

*The Cambridge US Private Equity Index return was not yet available for the quarter. A flat return of 0% was assumed for the index.*

For the first quarter, the Consequent Capital Management Alternative Partners I account gained 2.6%. Over the trailing twelve-month period, the account returned 6.9%, which was 6.3% below the benchmark's 13.2% performance. Since March 2012, the portfolio returned 5.4% per annum, while the Cambridge US Private Equity returned an annualized 12.6% over the same period.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 03/12
<b>Total Portfolio - Gross</b>	2.6	6.9	-5.0	4.5	----	----	5.4
<b>Total Portfolio - Net</b>	2.3	5.8	-5.9	3.4	----	----	4.1
Cambridge PE	0.0	13.2	11.0	12.6	12.4	10.0	12.6
<b>Private Equity - Gross</b>	2.6	6.9	-5.0	4.5	----	----	5.4
Cambridge PE	0.0	13.2	11.0	12.6	12.4	10.0	12.6

**ASSET ALLOCATION**

Private Equity	100.0%	\$ 5,545,568
Total Portfolio	100.0%	\$ 5,545,568

**INVESTMENT RETURN**

Market Value 12/2017	\$ 5,869,872
Contribs / Withdrawals	-474,770
Income	0
Capital Gains / Losses	150,466
Market Value 3/2018	\$ 5,545,568

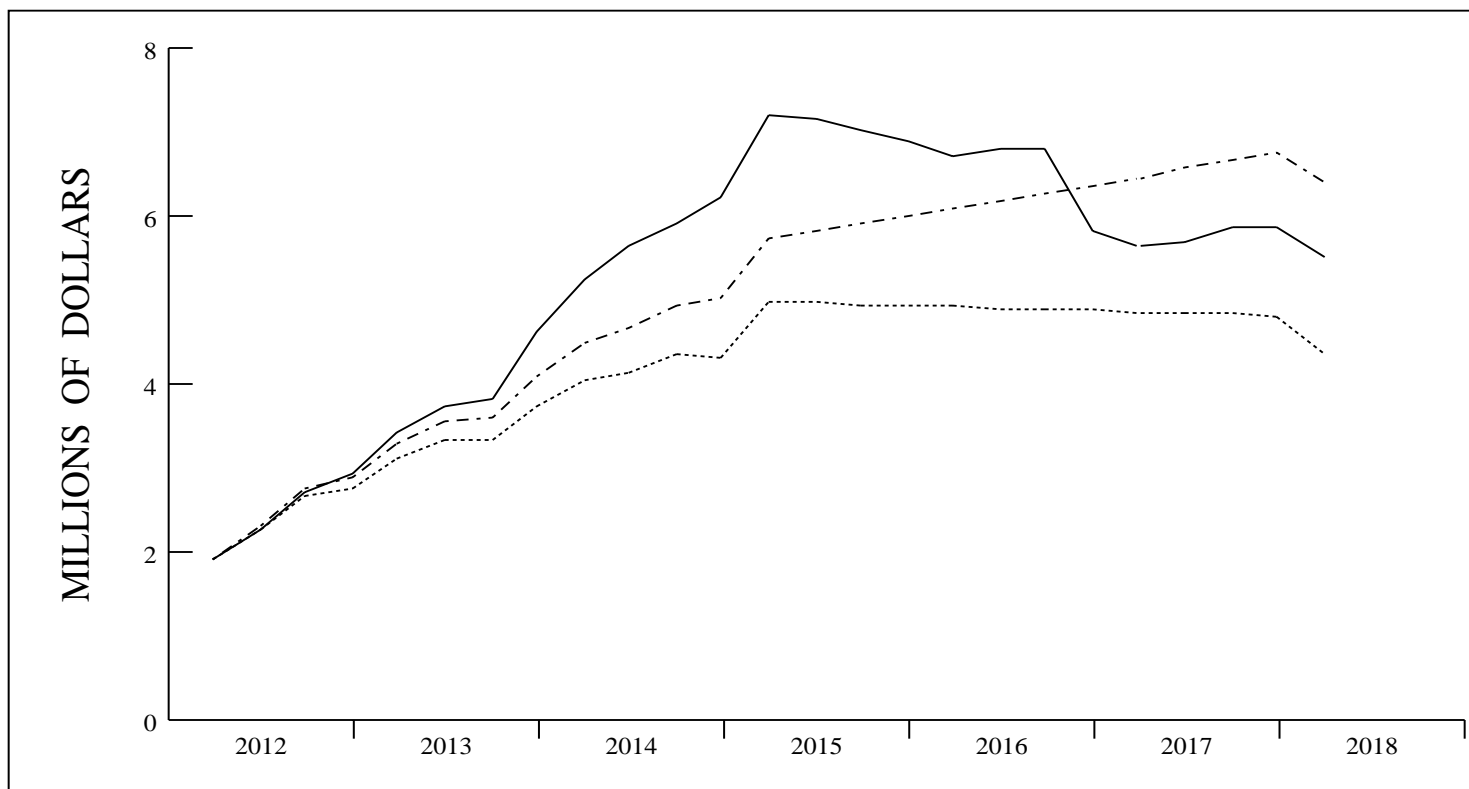
**EXECUTIVE SUMMARY - USING LAGGED DATA**

PERFORMANCE SUMMARY							
	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 06/12
<b>Total Portfolio - Gross</b>	0.0	1.3	-4.4	4.6	----	----	5.2
<b>Total Portfolio - Net</b>	-0.3	0.3	-5.3	3.5	----	----	3.9
Cambridge PE (Lag)	5.2	17.6	12.0	13.6	13.2	9.8	13.2
<b>Private Equity - Gross</b>	0.0	1.3	-4.4	4.6	----	----	5.2
Cambridge PE (Lag)	5.2	17.6	12.0	13.6	13.2	9.8	13.2

ASSET ALLOCATION		
Private Equity	100.0%	\$ 5,869,872
Total Portfolio	100.0%	\$ 5,869,872

INVESTMENT RETURN	
Market Value 12/2017	\$ 5,869,872
Contribs / Withdrawals	- 15,000
Income	0
Capital Gains / Losses	15,000
Market Value 3/2018	\$ 5,869,872

**INVESTMENT GROWTH**



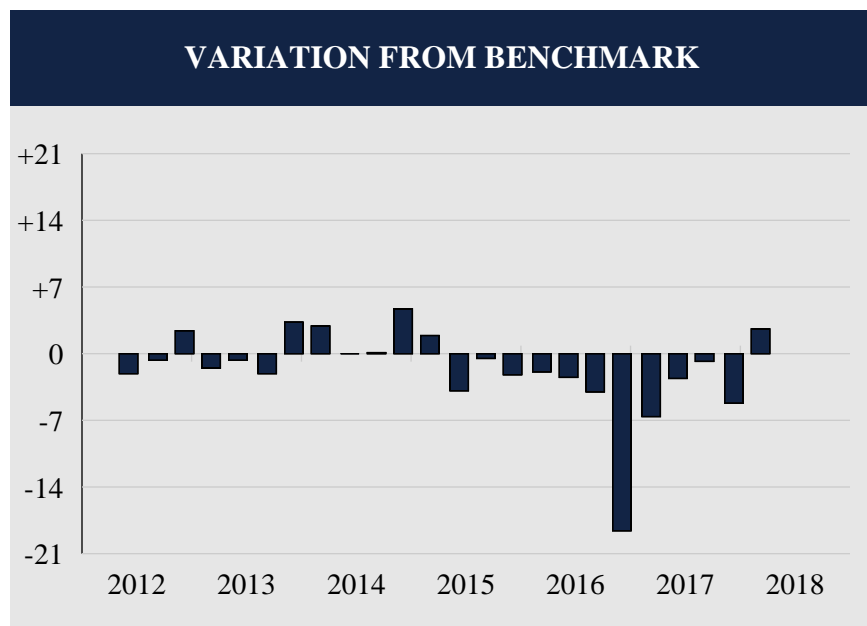
—	ACTUAL RETURN
- - -	7.0%
.....	0.0%

VALUE ASSUMING	
7.0% RETURN	\$ 6,417,265

	LAST QUARTER	PERIOD 3/12 - 3/18
BEGINNING VALUE	\$ 5,869,872	\$ 1,931,469
NET CONTRIBUTIONS	-474,770	2,435,857
<u>INVESTMENT RETURN</u>	<u>150,466</u>	<u>1,178,242</u>
ENDING VALUE	\$ 5,545,568	\$ 5,545,568
INCOME	0	0
<u>CAPITAL GAINS (LOSSES)</u>	<u>150,466</u>	<u>1,178,242</u>
INVESTMENT RETURN	150,466	1,178,242

### TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

COMPARATIVE BENCHMARK: CAMBRIDGE US PRIVATE EQUITY



RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
6/12	-2.1	0.0	-2.1
9/12	3.0	3.7	-0.7
12/12	6.1	3.7	2.4
3/13	3.1	4.6	-1.5
6/13	2.4	3.1	-0.7
9/13	2.9	5.0	-2.1
12/13	10.3	7.0	3.3
3/14	6.0	3.1	2.9
6/14	5.5	5.5	0.0
9/14	1.4	1.3	0.1
12/14	5.6	0.9	4.7
3/15	4.6	2.7	1.9
6/15	0.0	3.9	-3.9
9/15	-2.0	-1.5	-0.5
12/15	-1.7	0.5	-2.2
3/16	-1.8	0.1	-1.9
6/16	1.5	4.0	-2.5
9/16	-0.1	3.9	-4.0
12/16	-14.1	4.5	-18.6
3/17	-2.7	3.9	-6.6
6/17	1.0	3.6	-2.6
9/17	3.1	3.9	-0.8
12/17	0.0	5.2	-5.2
3/18	2.6	0.0	2.6

<b>Total Quarters Observed</b>	<b>24</b>
<b>Quarters At or Above the Benchmark</b>	<b>8</b>
<b>Quarters Below the Benchmark</b>	<b>16</b>
<b>Batting Average</b>	<b>.333</b>

## Private Equity Investor Report Consequent Alternative Partners I

<b>Net IRR Since Inception:</b>	<b>2.93%</b>	Report as of:
<b>Market Value:</b>	<b>\$ 5,545,568</b>	3/31/2018
Total Commitment:	\$ 6,000,000	Last Statement:
Unfunded Commitment:	\$ 746,557	9/30/2017

*The remaining committment will not be called.*

<u>Quarter</u>	<u>Capital Calls</u>	<u>Distributions</u>	<u>Fees</u>
1Q 2012	\$ 1,997,816	\$ -	\$ 22,663
2Q 2012	\$ 392,928	\$ -	\$ 15,000
3Q 2012	\$ 410,345	\$ -	\$ 15,000
4Q 2012	\$ 76,384	\$ -	\$ 15,000
1Q 2013	\$ 401,449	\$ -	\$ 15,000
2Q 2013	\$ 218,391	\$ -	\$ 15,000
3Q 2013	\$ -	\$ -	\$ 15,000
4Q 2013	\$ 412,644	\$ -	\$ 15,000
1Q 2014	\$ 354,023	\$ -	\$ 15,000
2Q 2014	\$ 114,943	\$ -	\$ 15,000
3Q 2014	\$ 206,897	\$ -	\$ 15,000
4Q 2014	\$ -	\$ -	\$ 15,000
1Q 2015	\$ 667,623	\$ -	\$ 15,000
2Q 2015	\$ -	\$ -	\$ 15,000
3Q 2015	\$ -	\$ -	\$ 15,000
4Q 2015	\$ -	\$ -	\$ 15,000
Year 2016	\$ -	\$ -	\$ 60,000
Year 2017	\$ -	\$ -	\$ 60,000
2018 YTD	\$ -	\$ 459,770	\$ 15,000
<b>Total</b>	<b>\$ 5,253,443</b>	<b>\$ 459,770</b>	<b>\$ 382,663</b>



CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
INVESCO - PARTNERSHIP FUND V  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

*The most recent statement available at this time was September 2017. The return shown for the fourth quarter of 2017 resulted from a distribution. There was no activity during the first quarter of 2018 and a flat return of 0% was assumed. A fee in the amount of \$4,101 was recorded for the first quarter.*

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Invesco Partnership Fund V portfolio was valued at \$1,887,262.

## **RELATIVE PERFORMANCE**

### **Total Fund**

*The Cambridge US Private Equity Index return was not yet available for the quarter. A flat return of 0% was assumed for the index.*

Over the trailing year, the account returned 19.7%, which was 6.5% greater than the benchmark's 13.2% performance. Since March 2008, the account returned 13.7% on an annualized basis, while the Cambridge US Private Equity returned an annualized 10.0% over the same period.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	<b>Qtr / YTD</b>	<b>1 Year</b>	<b>3 Year</b>	<b>5 Year</b>	<b>7 Year</b>	<b>10 Year</b>
<b>Total Portfolio - Gross</b>	0.0	19.7	11.8	15.1	15.4	13.7
<b>Total Portfolio - Net</b>	-0.2	18.7	10.8	14.1	14.2	11.8
Cambridge PE	0.0	13.2	11.0	12.6	12.4	10.0
<b>Private Equity - Gross</b>	0.0	19.7	11.8	15.1	15.4	13.7
Cambridge PE	0.0	13.2	11.0	12.6	12.4	10.0

**ASSET ALLOCATION**

Private Equity	100.0%	\$ 1,887,262
Total Portfolio	100.0%	\$ 1,887,262

**INVESTMENT RETURN**

Market Value 12/2017	\$ 1,887,262
Contribs / Withdrawals	0
Income	0
Capital Gains / Losses	0
Market Value 3/2018	\$ 1,887,262

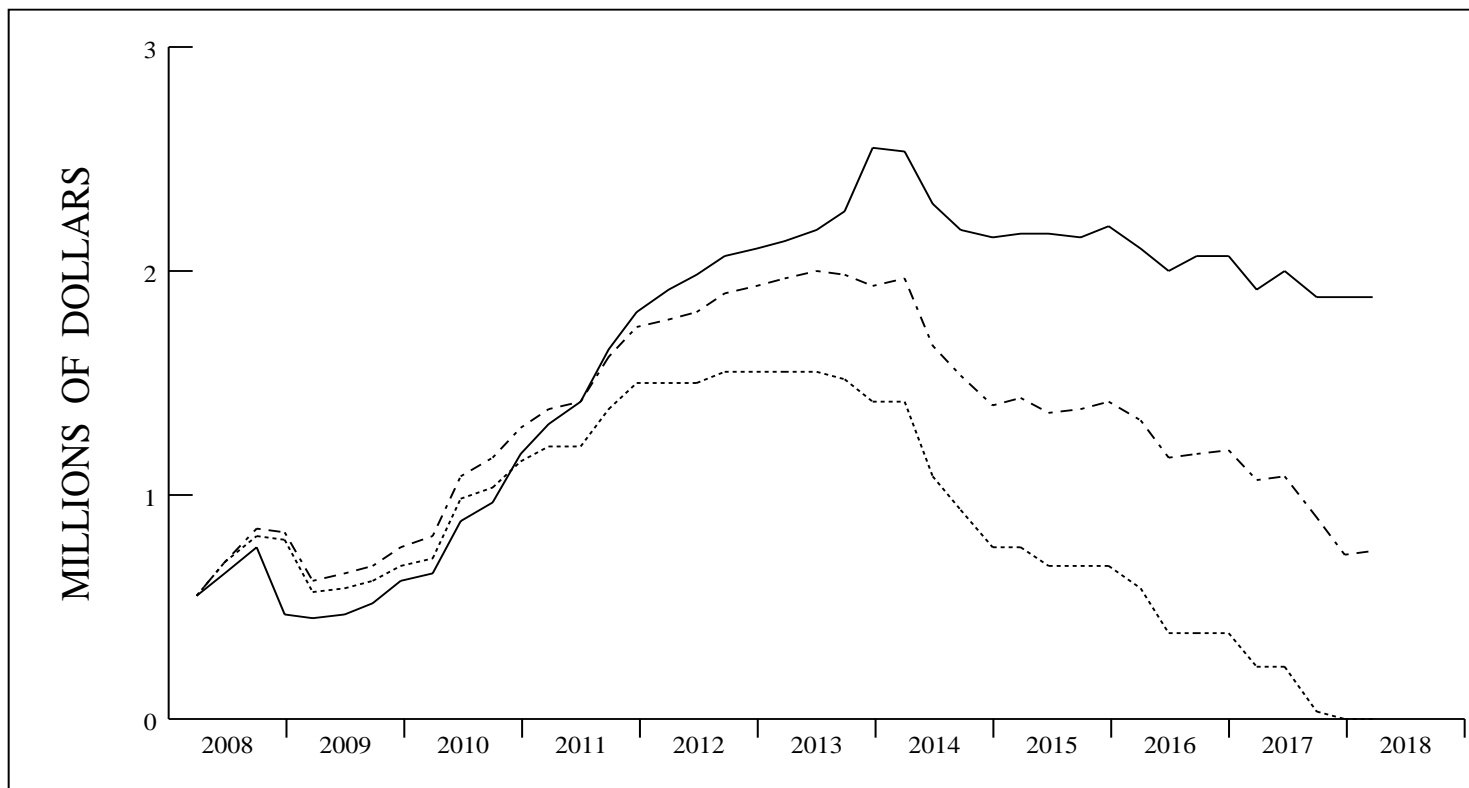
**EXECUTIVE SUMMARY - USING LAGGED DATA**

PERFORMANCE SUMMARY							
	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 06/08
<b>Total Portfolio - Gross</b>	10.0	20.5	12.2	15.5	16.4	----	14.1
<b>Total Portfolio - Net</b>	9.8	19.5	11.2	14.5	15.2	----	12.2
Cambridge PE (Lag)	5.2	17.6	12.0	13.6	13.2	9.8	10.3
<b>Private Equity - Gross</b>	10.0	20.5	12.2	15.5	16.4	----	14.1
Cambridge PE (Lag)	5.2	17.6	12.0	13.6	13.2	9.8	10.3

ASSET ALLOCATION		
Private Equity	100.0%	\$ 1,887,262
Total Portfolio	100.0%	\$ 1,887,262

INVESTMENT RETURN	
Market Value 12/2017	\$ 1,887,262
Contribs / Withdrawals	-181,635
Income	0
Capital Gains / Losses	181,635
Market Value 3/2018	\$ 1,887,262

**INVESTMENT GROWTH**



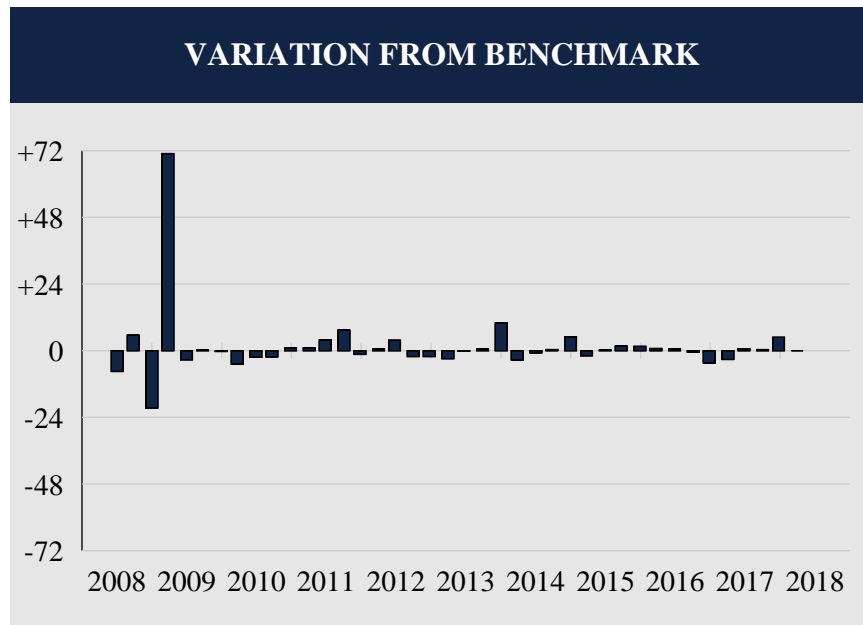
—	ACTUAL RETURN
- - -	7.0%
.....	0.0%

VALUE ASSUMING	
7.0% RETURN	\$ 756,937

	LAST QUARTER	PERIOD 3/08 - 3/18
BEGINNING VALUE	\$ 1,887,262	\$ 553,119
NET CONTRIBUTIONS	0	-696,826
INVESTMENT RETURN	0	2,030,969
ENDING VALUE	\$ 1,887,262	\$ 1,887,262
INCOME	0	15,714
CAPITAL GAINS (LOSSES)	0	2,015,255
INVESTMENT RETURN	0	2,030,969

### TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

COMPARATIVE BENCHMARK: CAMBRIDGE US PRIVATE EQUITY



<b>Total Quarters Observed</b>	<b>40</b>
<b>Quarters At or Above the Benchmark</b>	<b>22</b>
<b>Quarters Below the Benchmark</b>	<b>18</b>
<b>Batting Average</b>	<b>.550</b>

RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
6/08	-6.6	0.9	-7.5
9/08	-1.0	-6.6	5.6
12/08	-36.6	-16.0	-20.6
3/09	67.5	-3.4	70.9
6/09	1.1	4.4	-3.3
9/09	6.0	5.8	0.2
12/09	5.8	6.1	-0.3
3/10	-0.5	4.4	-4.9
6/10	-0.8	1.6	-2.4
9/10	2.9	5.1	-2.2
12/10	10.2	9.1	1.1
3/11	6.3	5.2	1.1
6/11	8.5	4.7	3.8
9/11	3.3	-4.1	7.4
12/11	4.0	5.3	-1.3
3/12	6.1	5.4	0.7
6/12	3.7	0.0	3.7
9/12	1.6	3.7	-2.1
12/12	1.6	3.7	-2.1
3/13	1.7	4.6	-2.9
6/13	3.0	3.1	-0.1
9/13	5.7	5.0	0.7
12/13	17.0	7.0	10.0
3/14	-0.3	3.1	-3.4
6/14	4.7	5.5	-0.8
9/14	1.7	1.3	0.4
12/14	5.9	0.9	5.0
3/15	0.9	2.7	-1.8
6/15	4.1	3.9	0.2
9/15	0.1	-1.5	1.6
12/15	2.0	0.5	1.5
3/16	0.9	0.1	0.8
6/16	4.7	4.0	0.7
9/16	3.3	3.9	-0.6
12/16	0.1	4.5	-4.4
3/17	0.7	3.9	-3.2
6/17	4.3	3.6	0.7
9/17	4.3	3.9	0.4
12/17	10.0	5.2	4.8
3/18	0.0	0.0	0.0

**Private Equity Investor Report**  
**Invesco Partnership Fund V**

<b>Net IRR Since Inception:</b>	<b>13.43%</b>	Report as of:
<b>Market Value:</b>	<b>\$ 1,887,262</b>	3/31/2018
<b>Total Commitment:</b>	<b>\$ 2,500,000</b>	Last Statement:
<b>Unfunded Commitment:</b>	<b>\$ 993,643</b>	9/30/2017

<u>Year</u>	<u>Capital Calls</u>	<u>Refunded Capital Calls</u>	<u>Distributions</u>	<u>Interest Received / (Paid)</u>	<u>Fees</u>
2008	\$ 883,926	\$ 143,530	\$ -	\$ 5,964	\$ 17,640
2009	\$ 136,479	\$ 239,887	\$ -	\$ 9,800	\$ 19,408
2010	\$ 525,344	\$ 60,968	\$ -	\$ 36	\$ 21,590
2011	\$ 342,835	\$ -	\$ -	\$ -	\$ 21,632
2012	\$ 62,158	\$ -	\$ -	\$ -	\$ 21,632
2013	\$ -	\$ -	\$ 136,226	\$ -	\$ 21,632
2014	\$ -	\$ -	\$ 647,073	\$ -	\$ 21,632
2015	\$ -	\$ -	\$ 90,817	\$ -	\$ 21,507
2016	\$ -	\$ -	\$ 295,157	\$ -	\$ 19,468
2017	\$ -	\$ -	\$ 538,936	\$ -	\$ 17,524
2018	\$ -	\$ -	\$ -	\$ -	\$ 4,101
<b>Total</b>	<b>\$ 1,950,742</b>	<b>\$ 444,385</b>	<b>\$ 1,708,209</b>	<b>\$ 15,800</b>	<b>\$ 207,766</b>

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
MESIROW - PARTNERSHIP FUND IV  
PERFORMANCE REVIEW  
MARCH 2018



## **INVESTMENT RETURN**

*The most recent statement available at this time was September 30, 2017. The market value has been adjusted for the capital portion of the distribution. The return shown for the quarter results from the income portion of the distribution.*

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Mesirow Partnership Fund IV portfolio was valued at \$3,056,213, a decrease of \$62,500 from the December ending value of \$3,118,713. Last quarter, the account recorded a net withdrawal of \$132,380, which overshadowed the fund's net investment return of \$69,880. Barring income receipts during the first quarter, the portfolio's net investment return figure was the product of \$69,880 in realized and unrealized capital gains.

## **RELATIVE PERFORMANCE**

### **Total Fund**

*The Cambridge US Private Equity Index return was not yet available for the quarter. A flat return of 0% was assumed for the index.*

For the first quarter, the Mesirow Partnership Fund IV account gained 2.3%. Over the trailing twelve-month period, the account returned 20.9%, which was 7.7% above the benchmark's 13.2% performance. Since March 2007, the portfolio returned 9.5% per annum, while the Cambridge US Private Equity returned an annualized 10.0% over the same period.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 03/07
<b>Total Portfolio - Gross</b>	2.3	20.9	14.7	17.0	15.7	11.3	9.5
<b>Total Portfolio - Net</b>	2.0	19.8	11.8	15.2	13.4	7.5	5.3
Cambridge PE	0.0	13.2	11.0	12.6	12.4	10.0	10.0
<b>Private Equity - Gross</b>	2.3	20.9	14.7	17.0	15.7	11.3	9.5
Cambridge PE	0.0	13.2	11.0	12.6	12.4	10.0	10.0

**ASSET ALLOCATION**

Private Equity	100.0%	\$ 3,056,213
Total Portfolio	100.0%	\$ 3,056,213

**INVESTMENT RETURN**

Market Value 12/2017	\$ 3,118,713
Contribs / Withdrawals	-132,380
Income	0
Capital Gains / Losses	69,880
Market Value 3/2018	\$ 3,056,213

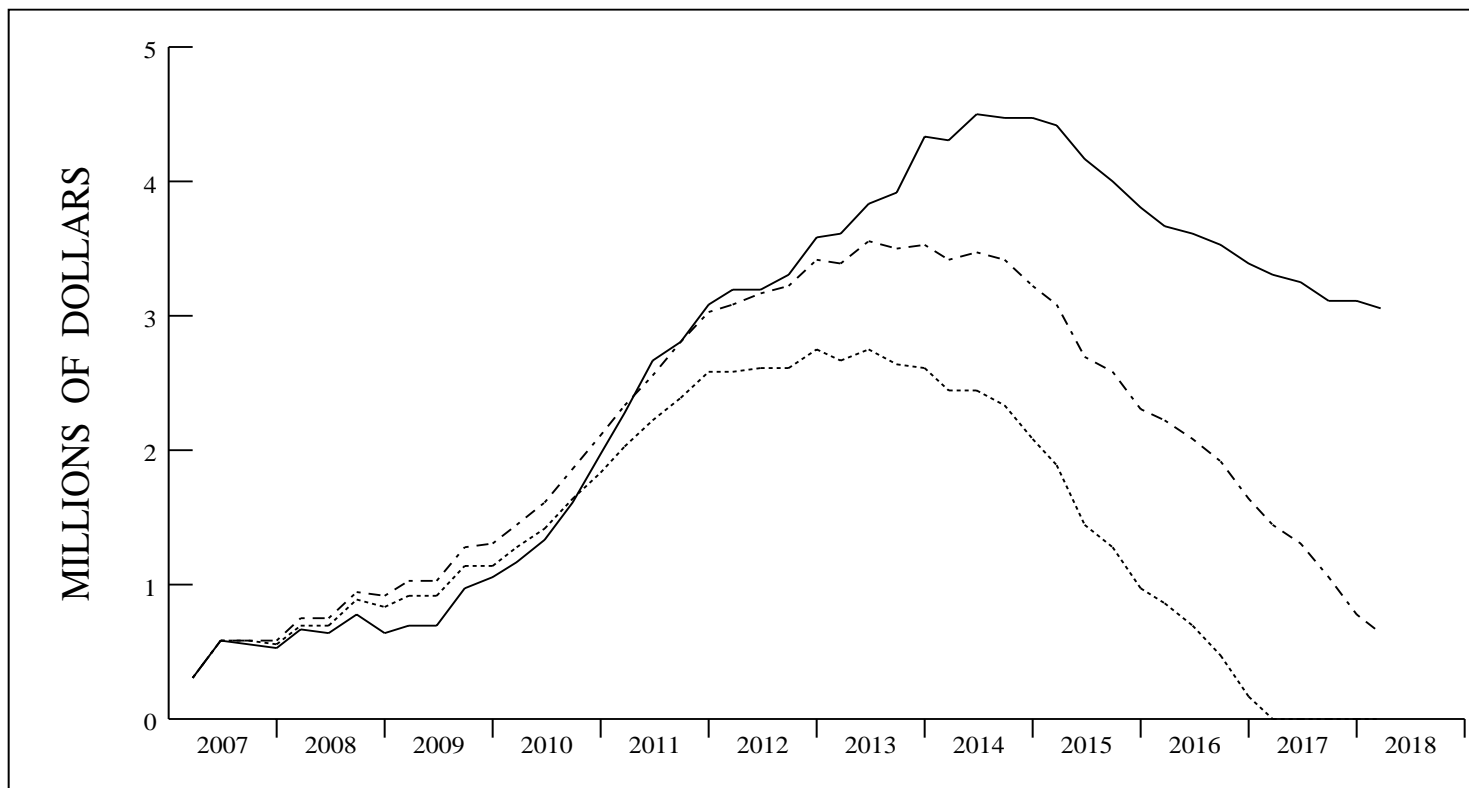
**EXECUTIVE SUMMARY - USING LAGGED DATA**

PERFORMANCE SUMMARY							
	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 06/07
<b>Total Portfolio - Gross</b>	10.2	22.6	15.2	17.0	16.0	11.2	9.5
<b>Total Portfolio - Net</b>	9.9	21.4	12.3	16.1	13.6	7.2	5.2
Cambridge PE (Lag)	5.2	17.6	12.0	13.6	13.2	9.8	10.3
<b>Private Equity - Gross</b>	10.2	22.6	15.2	17.0	16.0	11.2	9.5
Cambridge PE (Lag)	5.2	17.6	12.0	13.6	13.2	9.8	10.3

ASSET ALLOCATION		
Private Equity	100.0%	\$ 3,118,713
Total Portfolio	100.0%	\$ 3,118,713

INVESTMENT RETURN	
Market Value 12/2017	\$ 3,118,713
Contribs / Withdrawals	-307,098
Income	0
Capital Gains / Losses	307,098
Market Value 3/2018	\$ 3,118,713

**INVESTMENT GROWTH**



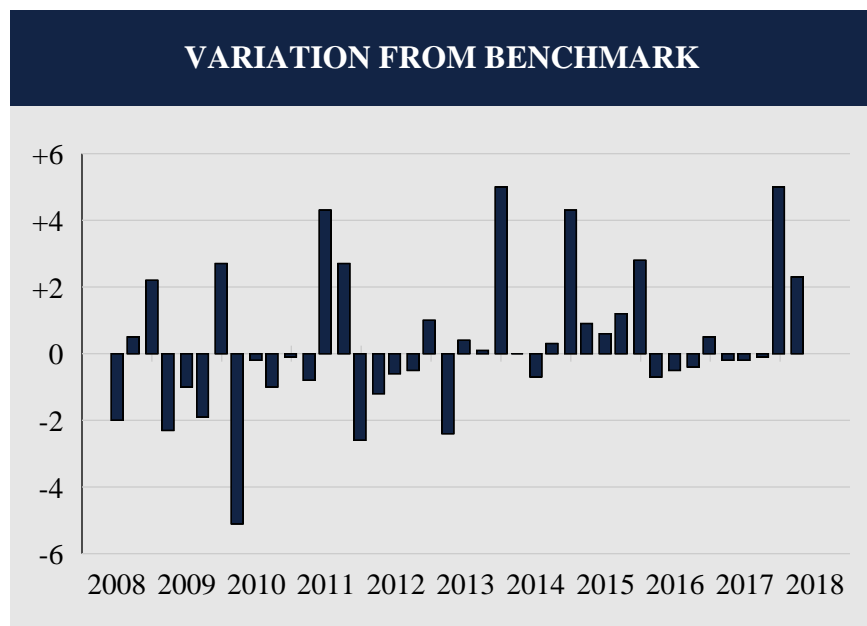
—	ACTUAL RETURN
- - -	7.0%
.....	0.0%

VALUE ASSUMING	
7.0% RETURN	\$ 662,835

	LAST QUARTER	PERIOD 3/07 - 3/18
BEGINNING VALUE	\$ 3,118,713	\$ 315,118
NET CONTRIBUTIONS	-132,380	-1,222,998
INVESTMENT RETURN	69,880	3,964,093
ENDING VALUE	\$ 3,056,213	\$ 3,056,213
INCOME	0	25,752
CAPITAL GAINS (LOSSES)	69,880	3,938,341
INVESTMENT RETURN	69,880	3,964,093

## TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY - 10 YEARS

COMPARATIVE BENCHMARK: CAMBRIDGE US PRIVATE EQUITY



<b>Total Quarters Observed</b>	<b>40</b>
<b>Quarters At or Above the Benchmark</b>	<b>19</b>
<b>Quarters Below the Benchmark</b>	<b>21</b>
<b>Batting Average</b>	<b>.475</b>

RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
6/08	-1.1	0.9	-2.0
9/08	-6.1	-6.6	0.5
12/08	-13.8	-16.0	2.2
3/09	-5.7	-3.4	-2.3
6/09	3.4	4.4	-1.0
9/09	3.9	5.8	-1.9
12/09	8.8	6.1	2.7
3/10	-0.7	4.4	-5.1
6/10	1.4	1.6	-0.2
9/10	4.1	5.1	-1.0
12/10	9.0	9.1	-0.1
3/11	4.4	5.2	-0.8
6/11	9.0	4.7	4.3
9/11	-1.4	-4.1	2.7
12/11	2.7	5.3	-2.6
3/12	4.2	5.4	-1.2
6/12	-0.6	0.0	-0.6
9/12	3.2	3.7	-0.5
12/12	4.7	3.7	1.0
3/13	2.2	4.6	-2.4
6/13	3.5	3.1	0.4
9/13	5.1	5.0	0.1
12/13	12.0	7.0	5.0
3/14	3.1	3.1	0.0
6/14	4.8	5.5	-0.7
9/14	1.6	1.3	0.3
12/14	5.2	0.9	4.3
3/15	3.6	2.7	0.9
6/15	4.5	3.9	0.6
9/15	-0.3	-1.5	1.2
12/15	3.3	0.5	2.8
3/16	-0.6	0.1	-0.7
6/16	3.5	4.0	-0.5
9/16	3.5	3.9	-0.4
12/16	5.0	4.5	0.5
3/17	3.7	3.9	-0.2
6/17	3.4	3.6	-0.2
9/17	3.8	3.9	-0.1
12/17	10.2	5.2	5.0
3/18	2.3	0.0	2.3

**Private Equity Investor Report  
Mesirow Partnership Fund IV**

<b>Net IRR Since Inception:</b>	<b>10.96%</b>	Report as of:
<b>Market Value:</b>	<b>\$ 3,056,213</b>	3/31/2018
<b>Total Commitment:</b>	<b>\$ 5,000,000</b>	Last Statement:
<b>Unfunded Commitment:</b>	<b>\$ 275,000</b>	9/30/2017

<u>Year</u>	<u>Capital Calls</u>	<u>Distributions</u>	<u>Interest Received / (Paid)</u>	<u>Fees</u>
2007	\$ 650,000	\$ -	\$ (3,682)	\$ 55,753
2008	\$ 350,000	\$ -	\$ 25,752	\$ 50,000
2009	\$ 350,000	\$ -	\$ -	\$ 50,000
2010	\$ 750,000	\$ -	\$ -	\$ 50,000
2011	\$ 800,000	\$ -	\$ -	\$ 50,000
2012	\$ 400,000	\$ 200,000	\$ -	\$ 50,000
2013	\$ 350,000	\$ 425,000	\$ -	\$ 50,000
2014	\$ 650,000	\$ 1,125,000	\$ -	\$ 45,000
2015	\$ 200,000	\$ 1,275,000	\$ -	\$ 40,500
2016	\$ 125,000	\$ 898,720	\$ -	\$ 36,448
2017	\$ 100,000	\$ 1,023,898	\$ -	\$ 32,800
2018	\$ -	\$ 125,000	\$ -	\$ 7,380
<b>Total</b>	<b>\$ 4,725,000</b>	<b>\$ 5,072,618</b>	<b>\$ 22,070</b>	<b>\$ 517,881</b>

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
MESIROW - PARTNERSHIP FUND VI  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

*The most recent statement available at this time was September 30, 2017.*

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Mesirow Partnership Fund VI portfolio was valued at \$1,779,171.

## **RELATIVE PERFORMANCE**

### **Total Fund**

*The Cambridge US Private Equity Index return was not yet available for the quarter. A flat return of 0% was assumed for the index.*

Over the trailing twelve-month period, the account returned 7.5%, which was 5.7% less than the benchmark's 13.2% return. Since June 2013, the account returned 9.1% on an annualized basis, while the Cambridge US Private Equity returned an annualized 12.6% over the same time frame.



**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 06/13
<b>Total Portfolio - Gross</b>	0.0	7.5	8.7	----	----	----	9.1
<b>Total Portfolio - Net</b>	0.0	5.9	4.3	----	----	----	-0.8
Cambridge PE	0.0	13.2	11.0	12.6	12.4	10.0	12.6
<b>Private Equity - Gross</b>	0.0	7.5	8.7	----	----	----	9.1
Cambridge PE	0.0	13.2	11.0	12.6	12.4	10.0	12.6

**ASSET ALLOCATION**

Private Equity	100.0%	\$ 1,779,171
Total Portfolio	100.0%	\$ 1,779,171

**INVESTMENT RETURN**

Market Value 12/2017	\$ 1,779,171
Contribs / Withdrawals	0
Income	0
Capital Gains / Losses	0
Market Value 3/2018	\$ 1,779,171

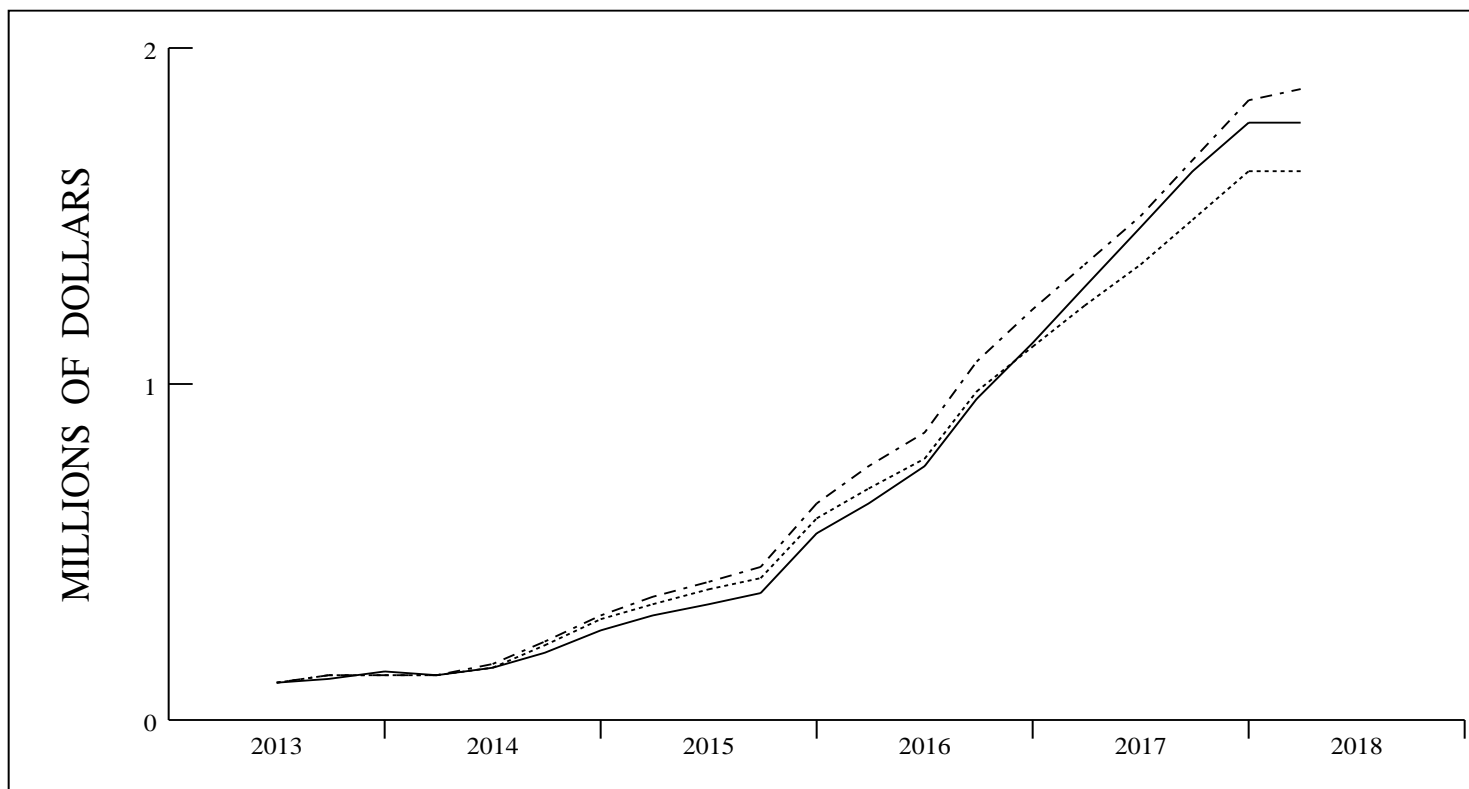
**EXECUTIVE SUMMARY - USING LAGGED DATA**

PERFORMANCE SUMMARY							
	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 09/13
<b>Total Portfolio - Gross</b>	0.0	12.1	8.9	----	----	----	9.6
<b>Total Portfolio - Net</b>	-0.5	9.8	3.5	----	----	----	-0.8
Cambridge PE (Lag)	5.2	17.6	12.0	13.6	13.2	9.8	13.3
<b>Private Equity - Gross</b>	0.0	12.1	8.9	----	----	----	9.6
Cambridge PE (Lag)	5.2	17.6	12.0	13.6	13.2	9.8	13.3

ASSET ALLOCATION		
Private Equity	100.0%	\$ 1,779,171
Total Portfolio	100.0%	\$ 1,779,171

INVESTMENT RETURN	
Market Value 12/2017	\$ 1,636,671
Contribs / Withdrawals	150,000
Income	0
Capital Gains / Losses	-7,500
Market Value 3/2018	\$ 1,779,171

**INVESTMENT GROWTH**



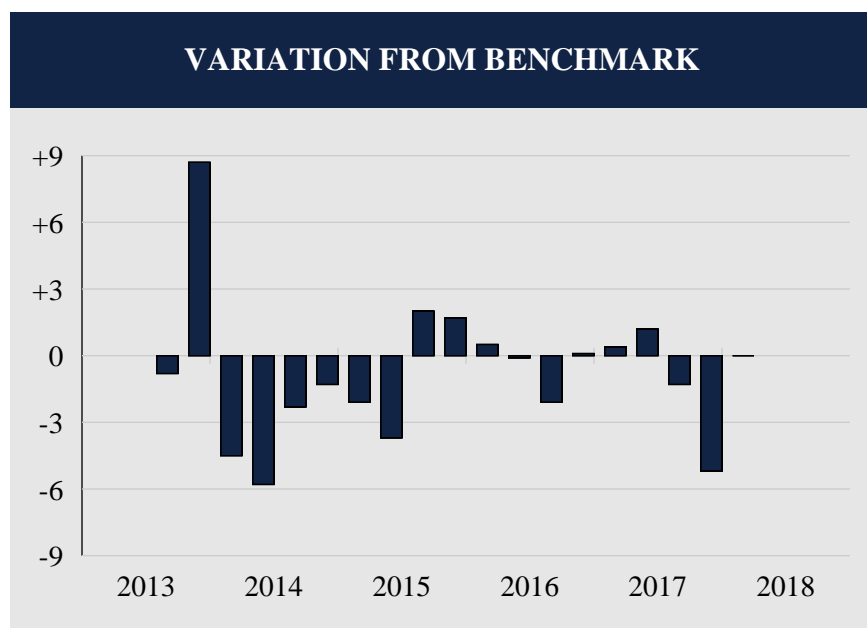
—	ACTUAL RETURN
- - -	7.0%
.....	0.0%

VALUE ASSUMING	
7.0% RETURN	\$ 1,881,041

	LAST QUARTER	PERIOD 6/13 - 3/18
BEGINNING VALUE	\$ 1,779,171	\$ 120,000
NET CONTRIBUTIONS	0	1,521,827
INVESTMENT RETURN	0	137,344
ENDING VALUE	\$ 1,779,171	\$ 1,779,171
INCOME	0	0
CAPITAL GAINS (LOSSES)	0	137,344
INVESTMENT RETURN	0	137,344

### TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

COMPARATIVE BENCHMARK: CAMBRIDGE US PRIVATE EQUITY



RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
9/13	4.2	5.0	-0.8
12/13	15.7	7.0	8.7
3/14	-1.4	3.1	-4.5
6/14	-0.3	5.5	-5.8
9/14	-1.0	1.3	-2.3
12/14	-0.4	0.9	-1.3
3/15	0.6	2.7	-2.1
6/15	0.2	3.9	-3.7
9/15	0.5	-1.5	2.0
12/15	2.2	0.5	1.7
3/16	0.6	0.1	0.5
6/16	3.9	4.0	-0.1
9/16	1.8	3.9	-2.1
12/16	4.6	4.5	0.1
3/17	4.3	3.9	0.4
6/17	4.8	3.6	1.2
9/17	2.6	3.9	-1.3
12/17	0.0	5.2	-5.2
3/18	0.0	0.0	0.0

<b>Total Quarters Observed</b>	<b>19</b>
<b>Quarters At or Above the Benchmark</b>	<b>8</b>
<b>Quarters Below the Benchmark</b>	<b>11</b>
<b>Batting Average</b>	<b>.421</b>

## Private Equity Investor Report Mesirow Partnership Fund VI

<b>Net IRR Since Inception:</b>		<b>5.53%</b>	Report as of:
<b>Market Value:</b>	\$	<b>1,779,171</b>	3/31/2018
<b>Total Commitment:</b>	\$	<b>3,000,000</b>	Last Statement:
<b>Unfunded Commitment:</b>	\$	<b>1,350,000</b>	9/30/2017

<u>Quarter</u>	<u>Capital Calls</u>	<u>Distributions</u>	<u>Fees</u>
2Q 2013	\$ 120,000	\$ -	\$ -
3Q 2013	\$ 15,000	\$ -	\$ 7,500
4Q 2013	\$ -	\$ -	\$ 7,500
1Q 2014	\$ -	\$ -	\$ 7,500
2Q 2014	\$ 30,000	\$ -	\$ 7,500
3Q 2014	\$ 60,000	\$ -	\$ 7,500
4Q 2014	\$ 75,000	\$ -	\$ 7,500
1Q 2015	\$ 45,000	\$ -	\$ 7,500
2Q 2015	\$ 45,000	\$ -	\$ 7,500
3Q 2015	\$ 45,000	\$ 8,173	\$ 7,500
4Q 2015	\$ 180,000	\$ -	\$ 7,500
1Q 2016	\$ 90,000	\$ -	\$ 7,500
2Q 2016	\$ 90,000	\$ -	\$ 7,500
3Q 2016	\$ 195,000	\$ -	\$ 7,500
4Q 2016	\$ 135,000	\$ -	\$ 7,500
1Q 2017	\$ 120,000	\$ -	\$ 7,500
2Q 2017	\$ 120,000	\$ -	\$ 7,500
3Q 2017	\$ 135,000	\$ -	\$ 7,500
4Q 2017	\$ 150,000	\$ -	\$ 7,500
<b>Total</b>	<b>\$ 1,650,000</b>	<b>\$ 8,173</b>	<b>\$ 135,000</b>

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
INTERCONTINENTAL - U.S. REAL ESTATE INVESTMENT FUND  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Intercontinental U.S. Real Estate Investment Fund was valued at \$5,148,848, representing an increase of \$4,267,359 from the December quarter's ending value of \$881,489. Last quarter, the Fund posted net contributions equaling \$4,132,802 plus a net investment gain equaling \$134,557. Since there were no income receipts during the quarter, the portfolio's net investment return was the result of net realized and unrealized capital gains totaling \$134,557.

## **RELATIVE PERFORMANCE**

### **Total Fund**

In the first quarter, the Intercontinental U.S. Real Estate Investment Fund returned 2.8%, which was 0.6% above the NCREIF NFI-ODCE Index's return of 2.2%.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	<b>Qtr / YTD</b>	<b>1 Year</b>	<b>3 Year</b>	<b>5 Year</b>	<b>Since 12/17</b>
<b>Total Portfolio - Gross</b>	2.8	----	----	----	2.8
<b>Total Portfolio - Net</b>	2.5	----	----	----	2.5
NCREIF ODCE	2.2	8.1	10.0	11.4	2.2
<b>Real Estate - Gross</b>	2.8	----	----	----	2.8
NCREIF ODCE	2.2	8.1	10.0	11.4	2.2

**ASSET ALLOCATION**

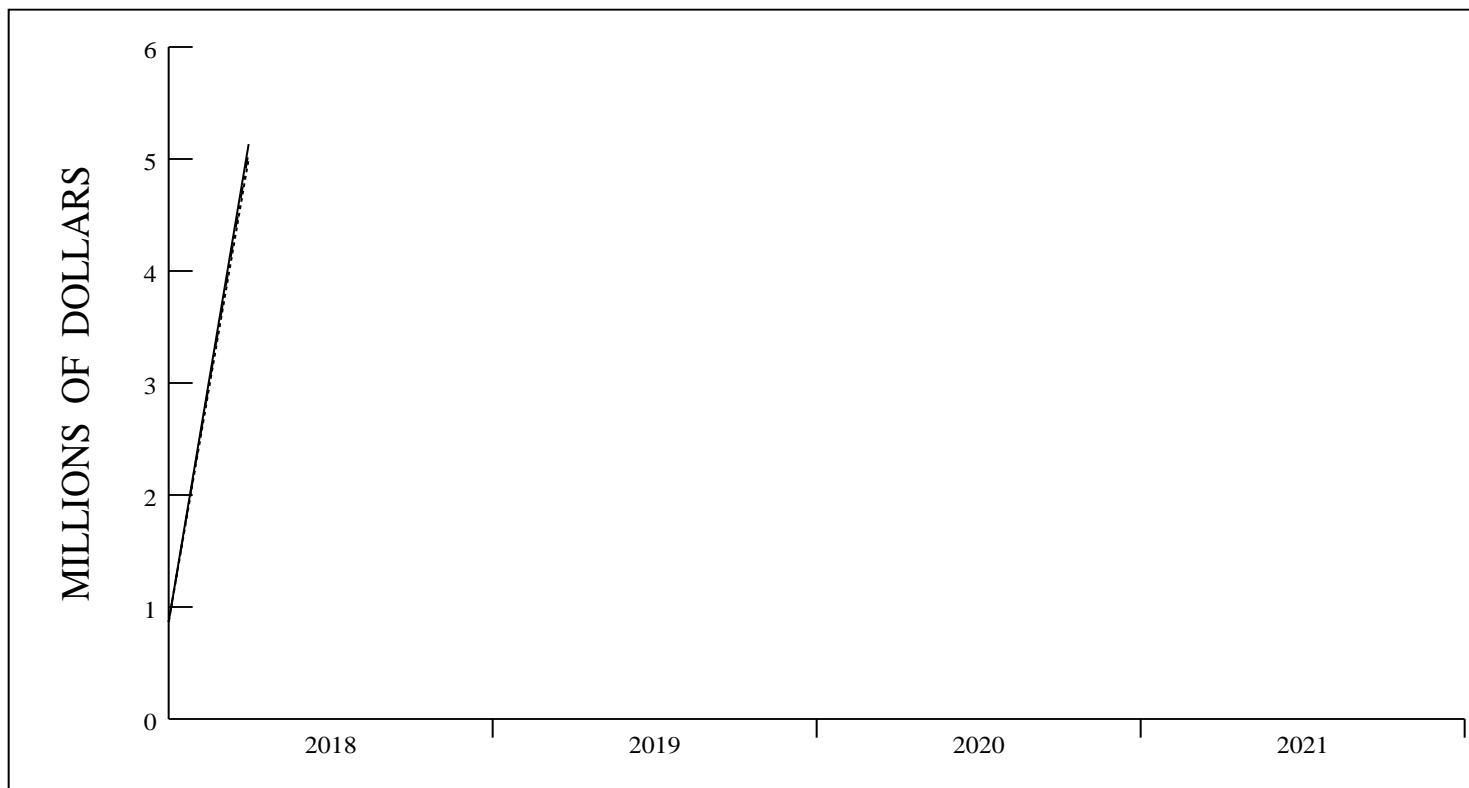
Real Estate	100.0%	\$ 5,148,848
Total Portfolio	100.0%	\$ 5,148,848

**INVESTMENT RETURN**

Market Value 12/2017	\$ 881,489
Contribs / Withdrawals	4,132,802
Income	0
Capital Gains / Losses	134,557
Market Value 3/2018	\$ 5,148,848



**INVESTMENT GROWTH**



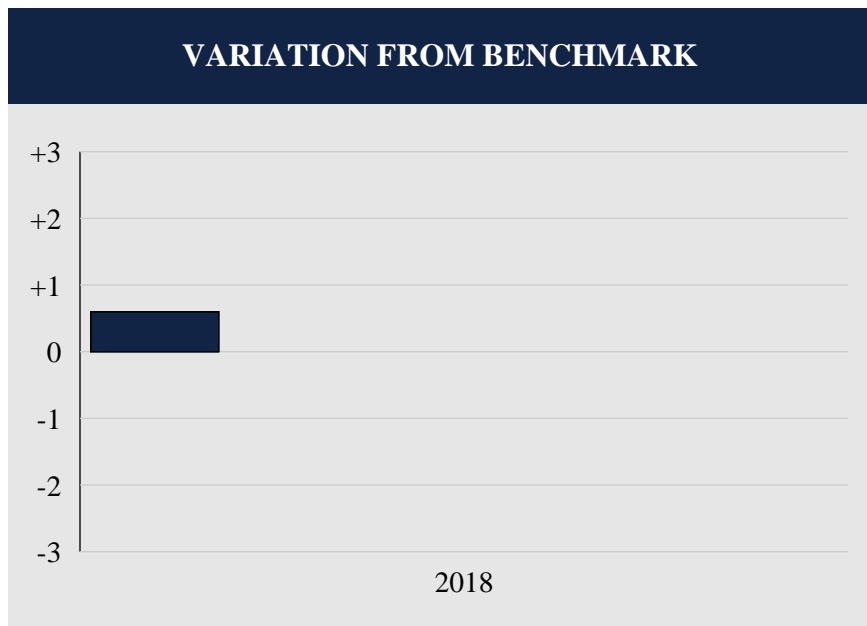
— ACTUAL RETURN  
 - - - 7.0%  
 . . . 0.0%

VALUE ASSUMING  
 7.0% RETURN \$ 5,088,011

	LAST QUARTER	LAST QUARTER
BEGINNING VALUE	\$ 881,489	\$ 881,489
NET CONTRIBUTIONS	4,132,802	4,132,802
INVESTMENT RETURN	134,557	134,557
ENDING VALUE	\$ 5,148,848	\$ 5,148,848
INCOME	0	0
CAPITAL GAINS (LOSSES)	134,557	134,557
INVESTMENT RETURN	134,557	134,557

**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY**

**COMPARATIVE BENCHMARK: NCREIF NFI-ODCE INDEX**



RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
3/18	2.8	2.2	0.6

<b>Total Quarters Observed</b>	<b>1</b>
<b>Quarters At or Above the Benchmark</b>	<b>1</b>
<b>Quarters Below the Benchmark</b>	<b>0</b>
<b>Batting Average</b>	<b>1.000</b>

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
INVESCO - CORE REAL ESTATE  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Invesco Core Real Estate portfolio was valued at \$8,302,274, representing an increase of \$132,364 from the December quarter's ending value of \$8,169,910. Last quarter, the Fund posted withdrawals totaling \$68,427, which offset the portfolio's net investment return of \$200,791. Income receipts totaling \$47,500 plus net realized and unrealized capital gains of \$153,291 combined to produce the portfolio's net investment return.

## **RELATIVE PERFORMANCE**

### **Total Fund**

For the first quarter, the Invesco Core Real Estate account gained 2.5%, which was 0.3% greater than the NCREIF NFI-ODCE Index's return of 2.2%.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	Since 09/17
<b>Total Portfolio - Gross</b>	2.5	----	----	----	4.8
<b>Total Portfolio - Net</b>	2.2	----	----	----	4.2
NCREIF ODCE	2.2	8.1	10.0	11.4	4.3
<b>Real Estate - Gross</b>	2.5	----	----	----	4.8
NCREIF ODCE	2.2	8.1	10.0	11.4	4.3

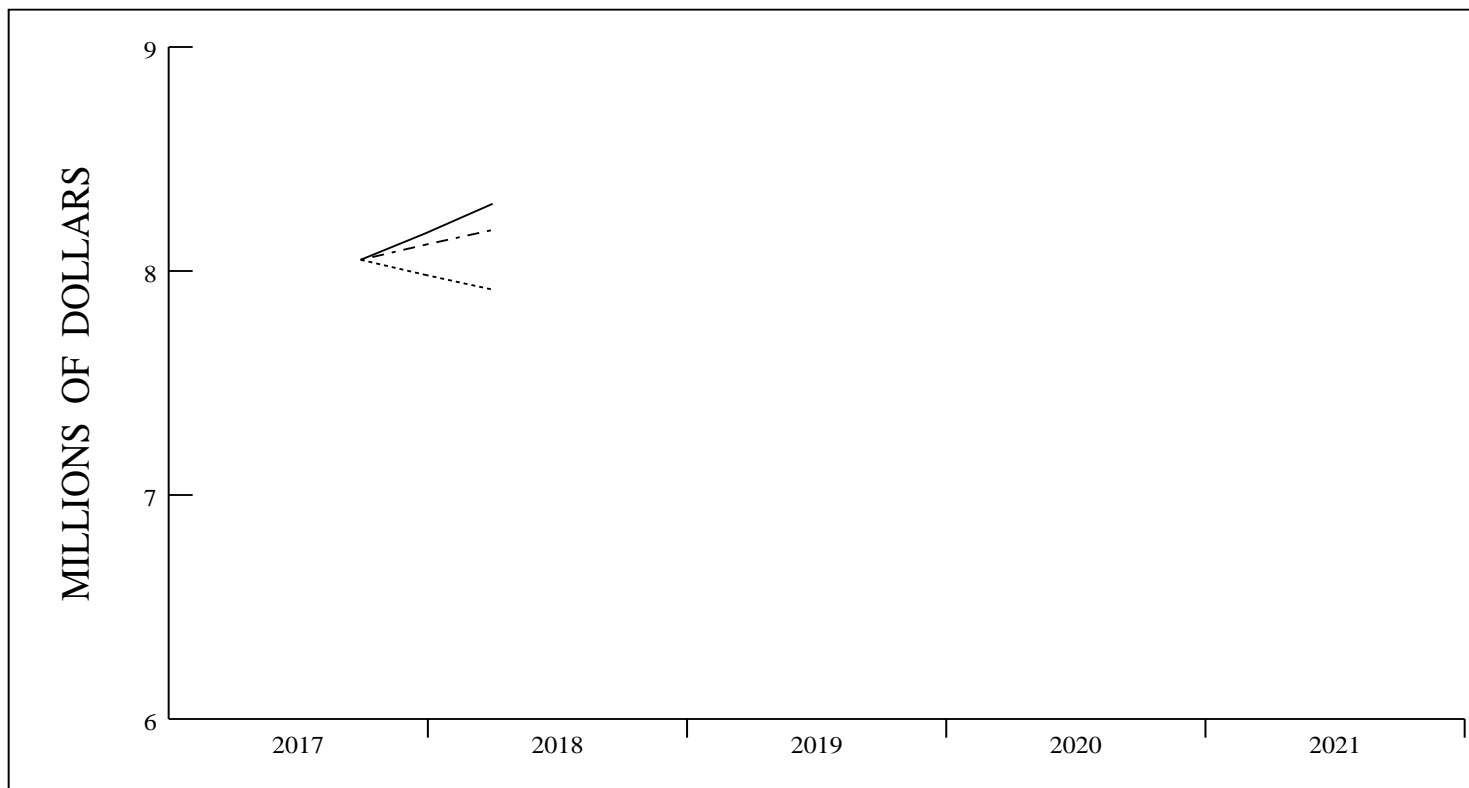
**ASSET ALLOCATION**

Real Estate	100.0%	\$ 8,302,274
Total Portfolio	100.0%	\$ 8,302,274

**INVESTMENT RETURN**

Market Value 12/2017	\$ 8,169,910
Contribs / Withdrawals	- 68,427
Income	47,500
Capital Gains / Losses	153,291
Market Value 3/2018	\$ 8,302,274

**INVESTMENT GROWTH**



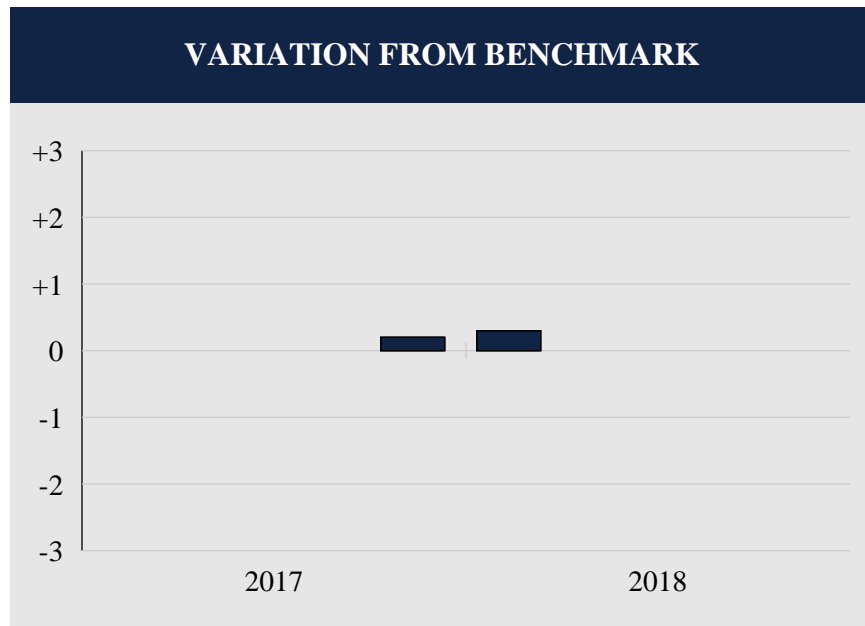
————	ACTUAL RETURN
- - - - -	7.0%
.....	0.0%

VALUE ASSUMING	
7.0% RETURN	\$ 8,195,064

	LAST QUARTER	PERIOD 9/17 - 3/18
BEGINNING VALUE	\$ 8,169,910	\$ 8,051,583
NET CONTRIBUTIONS	- 68,427	-132,096
<u>INVESTMENT RETURN</u>	<u>200,791</u>	<u>382,787</u>
ENDING VALUE	\$ 8,302,274	\$ 8,302,274
INCOME	47,500	88,527
<u>CAPITAL GAINS (LOSSES)</u>	<u>153,291</u>	<u>294,260</u>
INVESTMENT RETURN	200,791	382,787

**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY**

**COMPARATIVE BENCHMARK: NCREIF NFI-ODCE INDEX**



RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
12/17	2.3	2.1	0.2
3/18	2.5	2.2	0.3

<b>Total Quarters Observed</b>	<b>2</b>
<b>Quarters At or Above the Benchmark</b>	<b>2</b>
<b>Quarters Below the Benchmark</b>	<b>0</b>
<b>Batting Average</b>	<b>1.000</b>

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
PRINCIPAL - U.S. PROPERTY FUND  
PERFORMANCE REVIEW  
MARCH 2018



## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Principal U.S. Property Fund was valued at \$11,718,149, representing an increase of \$7,702,248 from the December quarter's ending value of \$4,015,901. Last quarter, the Fund posted net contributions equaling \$7,500,000 plus a net investment gain equaling \$202,248. Since there were no income receipts during the quarter, the portfolio's net investment return was the result of net realized and unrealized capital gains totaling \$202,248.

## **RELATIVE PERFORMANCE**

### **Total Fund**

In the first quarter, the Principal U.S. Property Fund returned 2.3%, which was 0.1% above the NCREIF NFI-ODCE Index's return of 2.2%.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	Since 12/17
<b>Total Portfolio - Gross</b>	2.3	----	----	----	2.3
<b>Total Portfolio - Net</b>	1.9	----	----	----	1.9
NCREIF ODCE	2.2	8.1	10.0	11.4	2.2
<b>Real Estate - Gross</b>	2.3	----	----	----	2.3
NCREIF ODCE	2.2	8.1	10.0	11.4	2.2

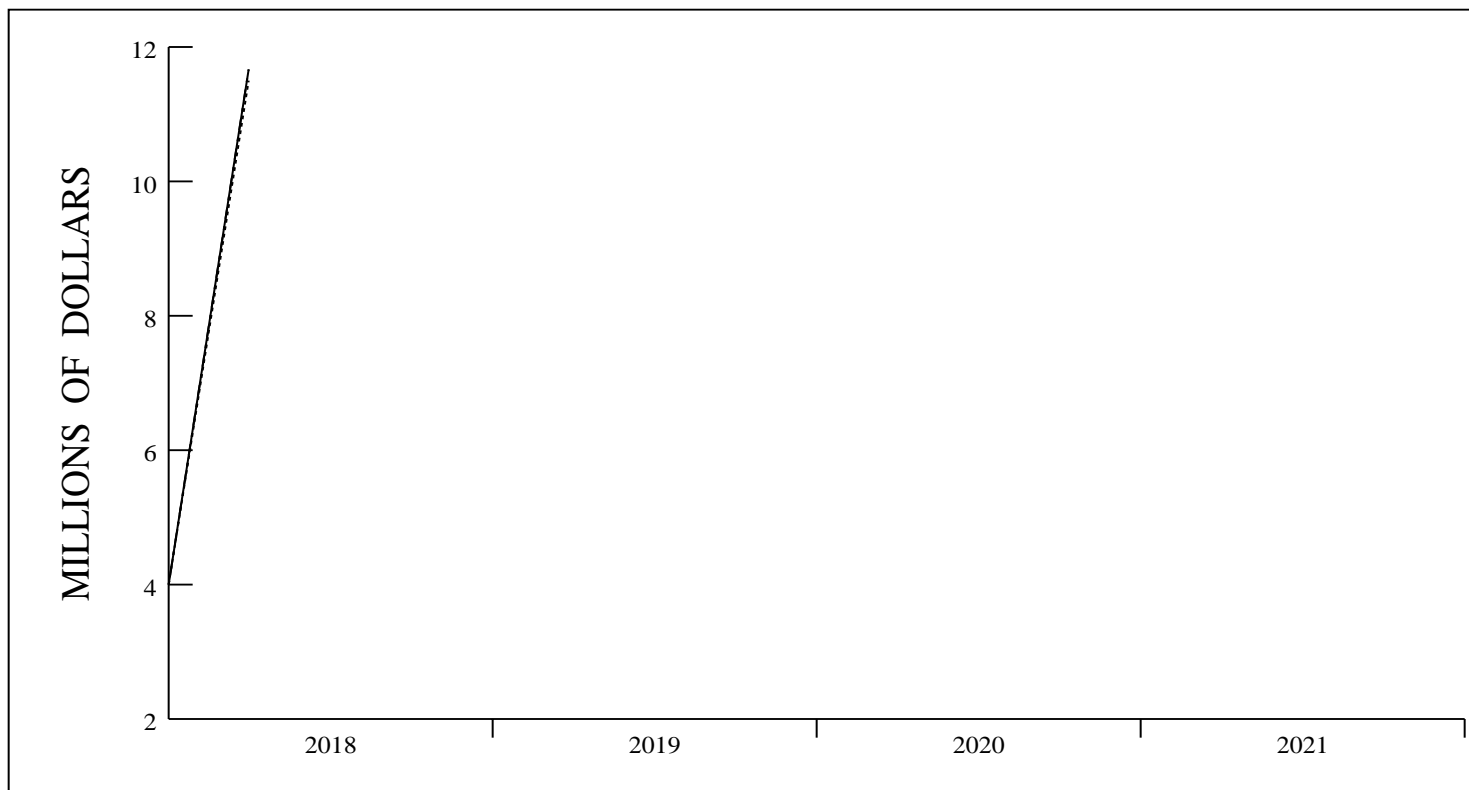
**ASSET ALLOCATION**

Real Estate	100.0%	\$ 11,718,149
Total Portfolio	100.0%	\$ 11,718,149

**INVESTMENT RETURN**

Market Value 12/2017	\$ 4,015,901
Contribs / Withdrawals	7,500,000
Income	0
Capital Gains / Losses	202,248
Market Value 3/2018	\$ 11,718,149

**INVESTMENT GROWTH**



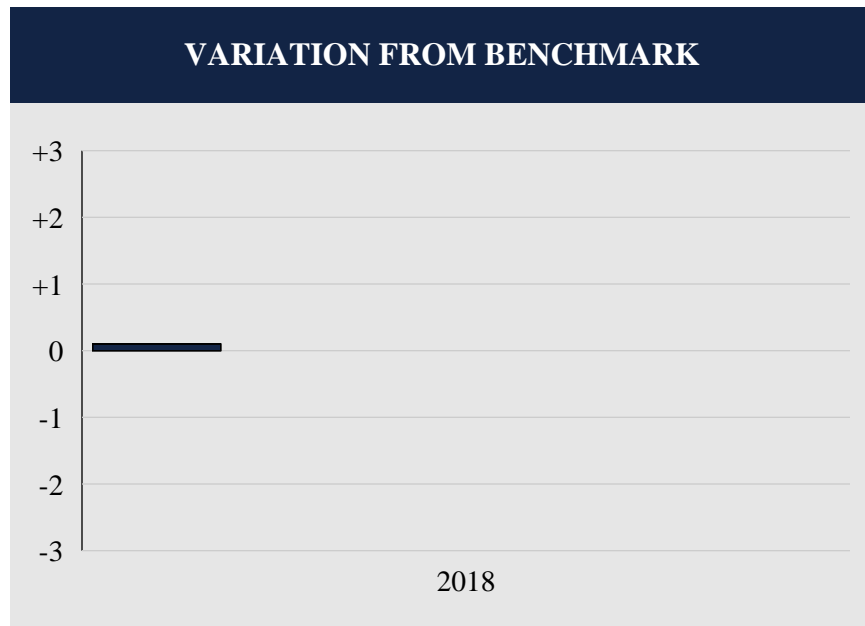
— ACTUAL RETURN  
 - - - 7.0%  
 . . . 0.0%

VALUE ASSUMING  
 7.0% RETURN \$ 11,690,902

	LAST QUARTER	LAST QUARTER
BEGINNING VALUE	\$ 4,015,901	\$ 4,015,901
NET CONTRIBUTIONS	7,500,000	7,500,000
INVESTMENT RETURN	<u>202,248</u>	<u>202,248</u>
ENDING VALUE	\$ 11,718,149	\$ 11,718,149
INCOME	0	0
CAPITAL GAINS (LOSSES)	<u>202,248</u>	<u>202,248</u>
INVESTMENT RETURN	202,248	202,248

**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY**

**COMPARATIVE BENCHMARK: NCREIF NFI-ODCE INDEX**



RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
3/18	2.3	2.2	0.1

<b>Total Quarters Observed</b>	<b>1</b>
<b>Quarters At or Above the Benchmark</b>	<b>1</b>
<b>Quarters Below the Benchmark</b>	<b>0</b>
<b>Batting Average</b>	<b>1.000</b>

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
BRANDYWINE - GLOBAL FIXED INCOME  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Brandywine Global Fixed Income portfolio was valued at \$2,859,584, a decrease of \$4,024,393 from the December ending value of \$6,883,977. Last quarter, the account recorded a net withdrawal of \$4,140,214, which overshadowed the fund's net investment return of \$115,821. Barring income receipts during the first quarter, the portfolio's net investment return figure was the product of \$115,821 in realized and unrealized capital gains.

## **RELATIVE PERFORMANCE**

### **Total Fund**

For the first quarter, the Brandywine Global Fixed Income portfolio returned 4.2%, which was 1.5% above the Bloomberg Barclays Global Government Bond's return of 2.7% and ranked in the 2nd percentile of the Global Fixed Income universe. Over the trailing year, the portfolio returned 11.8%, which was 3.6% above the benchmark's 8.2% return, ranking in the 7th percentile. Since December 2015, the portfolio returned 8.2% annualized and ranked in the 31st percentile. The Bloomberg Barclays Global Government Bond returned an annualized 5.3% over the same period.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 12/15
<b>Total Portfolio - Gross</b>	4.2	11.8	----	----	----	----	8.2
<i>GLOBAL FIXED INCOME RANK</i>	(2)	(7)	----	----	----	----	(31)
<b>Total Portfolio - Net</b>	4.1	11.3	----	----	----	----	7.8
Global Gov Index	2.7	8.2	3.5	1.1	1.4	2.0	5.3
<b>Global Fixed Income - Gross</b>	4.2	11.8	----	----	----	----	8.2
<i>GLOBAL FIXED INCOME RANK</i>	(2)	(7)	----	----	----	----	(31)
Global Gov Index	2.7	8.2	3.5	1.1	1.4	2.0	5.3

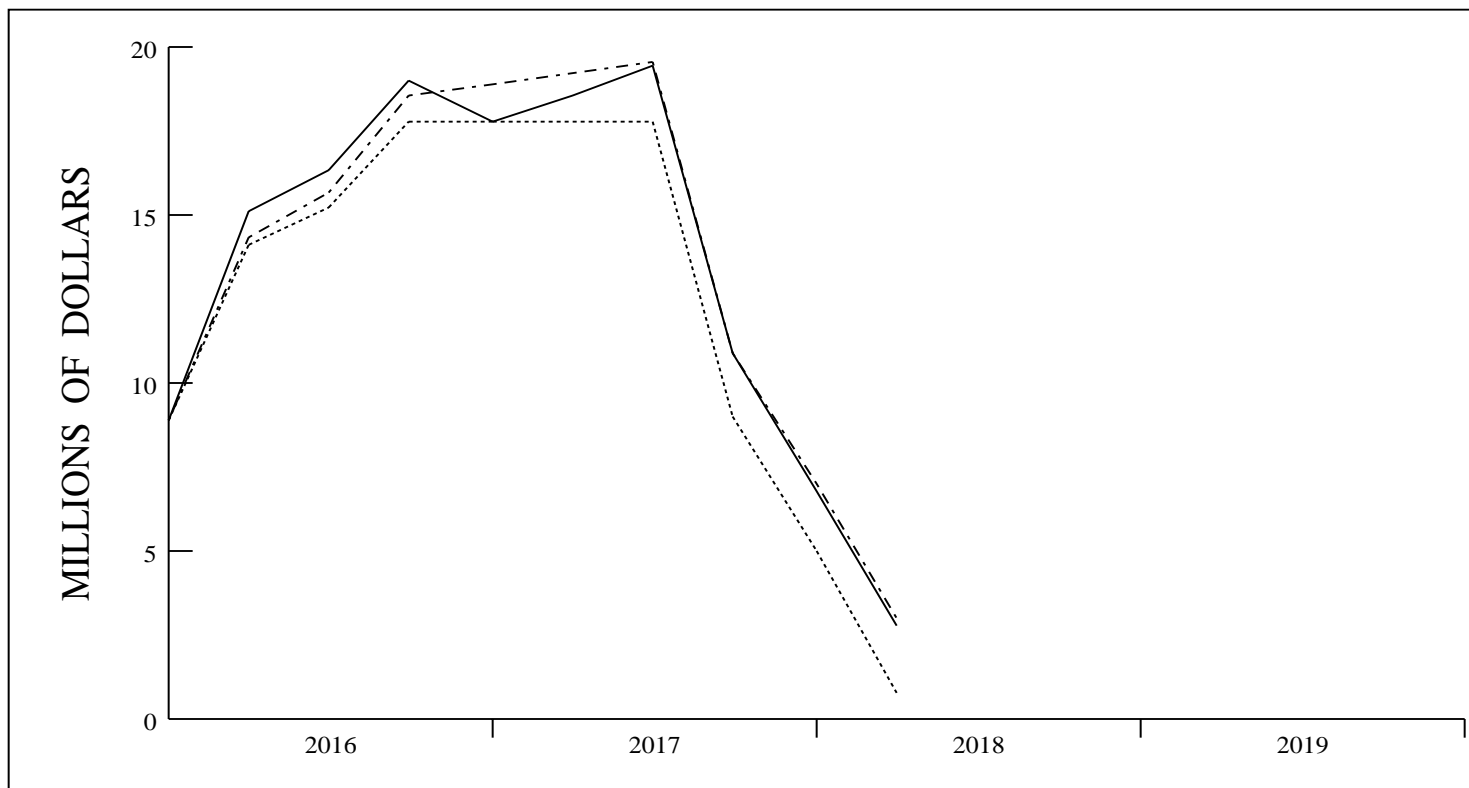
**ASSET ALLOCATION**

Global Fixed	100.0%	\$ 2,859,584
Total Portfolio	100.0%	\$ 2,859,584

**INVESTMENT RETURN**

Market Value 12/2017	\$ 6,883,977
Contribs / Withdrawals	-4,140,214
Income	0
Capital Gains / Losses	115,821
Market Value 3/2018	\$ 2,859,584

**INVESTMENT GROWTH**



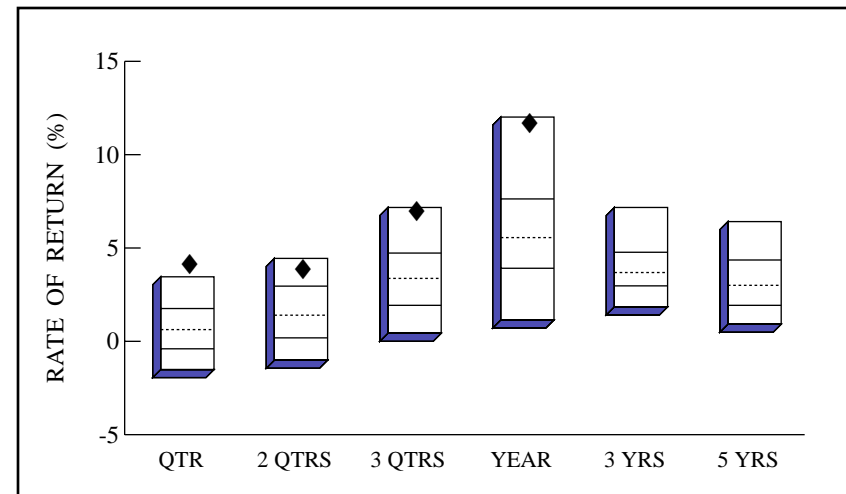
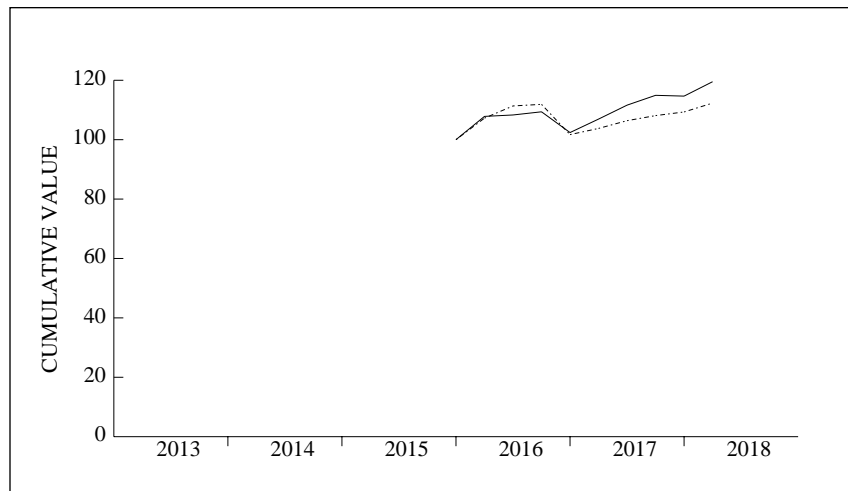
——— ACTUAL RETURN  
 - - - - - 7.0%  
 ..... 0.0%

VALUE ASSUMING  
 7.0% RETURN    \$ 3,027,015

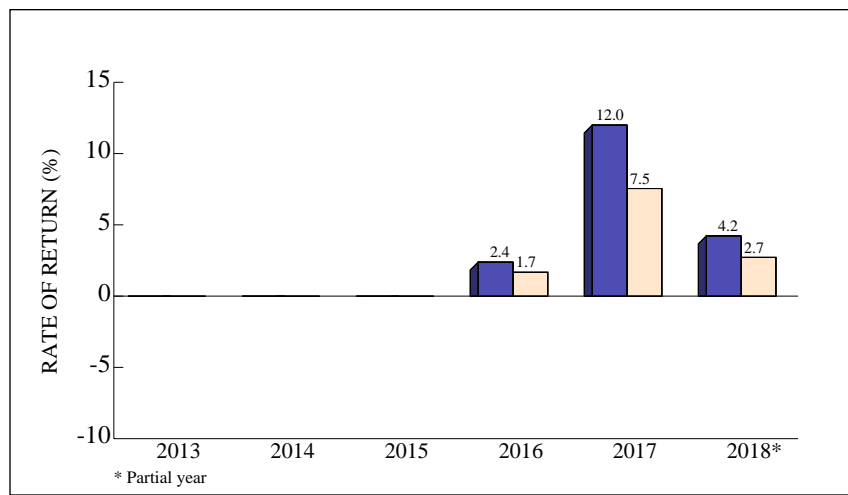
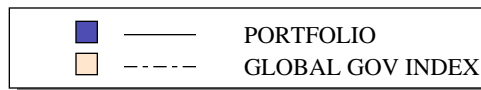
	LAST QUARTER	PERIOD 12/15 - 3/18
BEGINNING VALUE	\$ 6,883,977	\$ 8,903,857
NET CONTRIBUTIONS	- 4,140,214	- 8,026,979
INVESTMENT RETURN	<u>115,821</u>	<u>1,982,706</u>
ENDING VALUE	\$ 2,859,584	\$ 2,859,584
INCOME	0	0
CAPITAL GAINS (LOSSES)	<u>115,821</u>	<u>1,982,706</u>
INVESTMENT RETURN	115,821	1,982,706



**TOTAL RETURN COMPARISONS**



Global Fixed Income Universe

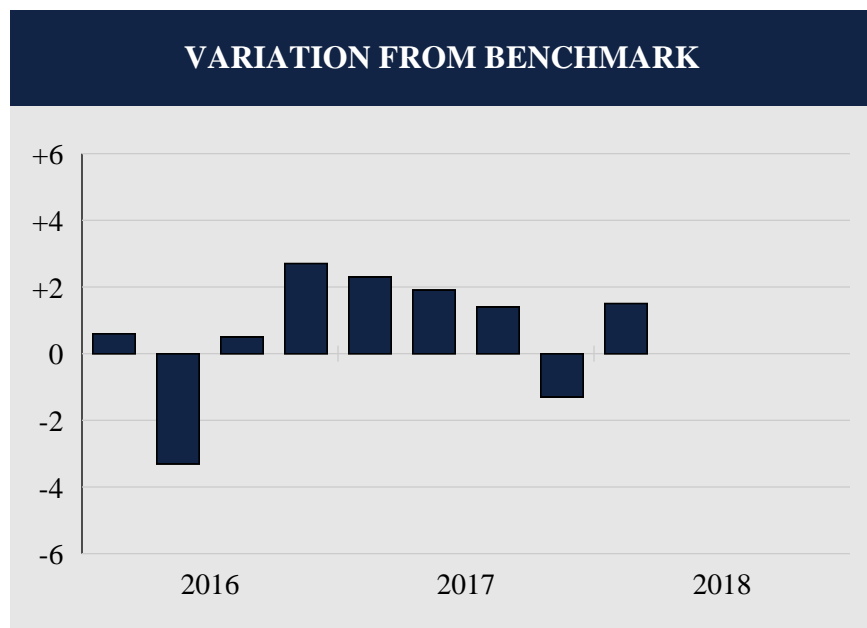


\* Partial year

	QTR	2 QTRS	3 QTRS	YEAR	-----ANNUALIZED-----	
					3 YRS	5 YRS
RETURN	4.2	4.0	7.1	11.8	---	---
(RANK)	(2)	(11)	(7)	(7)	---	---
5TH %ILE	3.5	4.4	7.2	12.0	7.2	6.4
25TH %ILE	1.8	3.0	4.7	7.6	4.8	4.4
MEDIAN	0.6	1.4	3.4	5.6	3.7	3.0
75TH %ILE	-0.4	0.2	1.9	3.9	3.0	1.9
95TH %ILE	-1.5	-1.0	0.4	1.1	1.8	0.9
<b>Global Gov</b>	<b>2.7</b>	<b>3.9</b>	<b>5.6</b>	<b>8.2</b>	<b>3.5</b>	<b>1.1</b>

Global Fixed Income Universe

**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY**  
**COMPARATIVE BENCHMARK: BLOOMBERG BARCLAYS GLOBAL GOVERNMENT BOND**



RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
3/16	7.8	7.2	0.6
6/16	0.5	3.8	-3.3
9/16	1.0	0.5	0.5
12/16	-6.4	-9.1	2.7
3/17	4.4	2.1	2.3
6/17	4.4	2.5	1.9
9/17	3.0	1.6	1.4
12/17	-0.2	1.1	-1.3
3/18	4.2	2.7	1.5

<b>Total Quarters Observed</b>	<b>9</b>
<b>Quarters At or Above the Benchmark</b>	<b>7</b>
<b>Quarters Below the Benchmark</b>	<b>2</b>
<b>Batting Average</b>	<b>.778</b>

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
VICTORY CAPITAL - CORE FIXED INCOME  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Victory Capital Core Fixed Income portfolio was valued at \$52,769,015, a decrease of \$652,037 from the December ending value of \$53,421,052. Last quarter, the account recorded total net withdrawals of \$149 in addition to \$651,888 in net investment losses. The fund's net investment loss was a result of income receipts totaling \$435,721 and realized and unrealized capital losses totaling \$1,087,609.

## **RELATIVE PERFORMANCE**

### **Total Fund**

During the first quarter, the Victory Capital Core Fixed Income portfolio lost 1.2%, which was 0.3% greater than the Bloomberg Barclays Aggregate Index's return of -1.5% and ranked in the 30th percentile of the Core Fixed Income universe. Over the trailing year, the portfolio returned 1.6%, which was 0.4% greater than the benchmark's 1.2% performance, and ranked in the 54th percentile. Since December 1994, the account returned 5.7% per annum. For comparison, the Bloomberg Barclays Aggregate Index returned an annualized 5.6% over the same time frame.

## **HOLDINGS ANALYSIS**

At the end of the quarter, nearly 65% of the total bond portfolio was comprised of USG quality securities. The remainder of the portfolio consisted of corporate securities, rated AAA through BBB, giving the portfolio an overall average quality rating of AAA. The average maturity of the portfolio was 8.77 years, longer than the Bloomberg Barclays Aggregate Index's 8.42-year maturity. The average coupon was 3.32%.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 12/94
<b>Total Portfolio - Gross</b>	-1.2	1.6	1.3	2.1	3.3	4.0	5.7
<i>CORE FIXED INCOME RANK</i>	(30)	(54)	(73)	(58)	(53)	(69)	----
<b>Total Portfolio - Net</b>	-1.3	1.3	1.0	1.7	3.0	3.7	5.6
Aggregate Index	-1.5	1.2	1.2	1.8	2.9	3.6	5.6
<b>Domestic Fixed Income - Gross</b>	-1.2	1.6	1.3	2.1	3.3	4.0	5.7
<i>CORE FIXED INCOME RANK</i>	(30)	(54)	(73)	(58)	(53)	(69)	----
Aggregate Index	-1.5	1.2	1.2	1.8	2.9	3.6	5.6

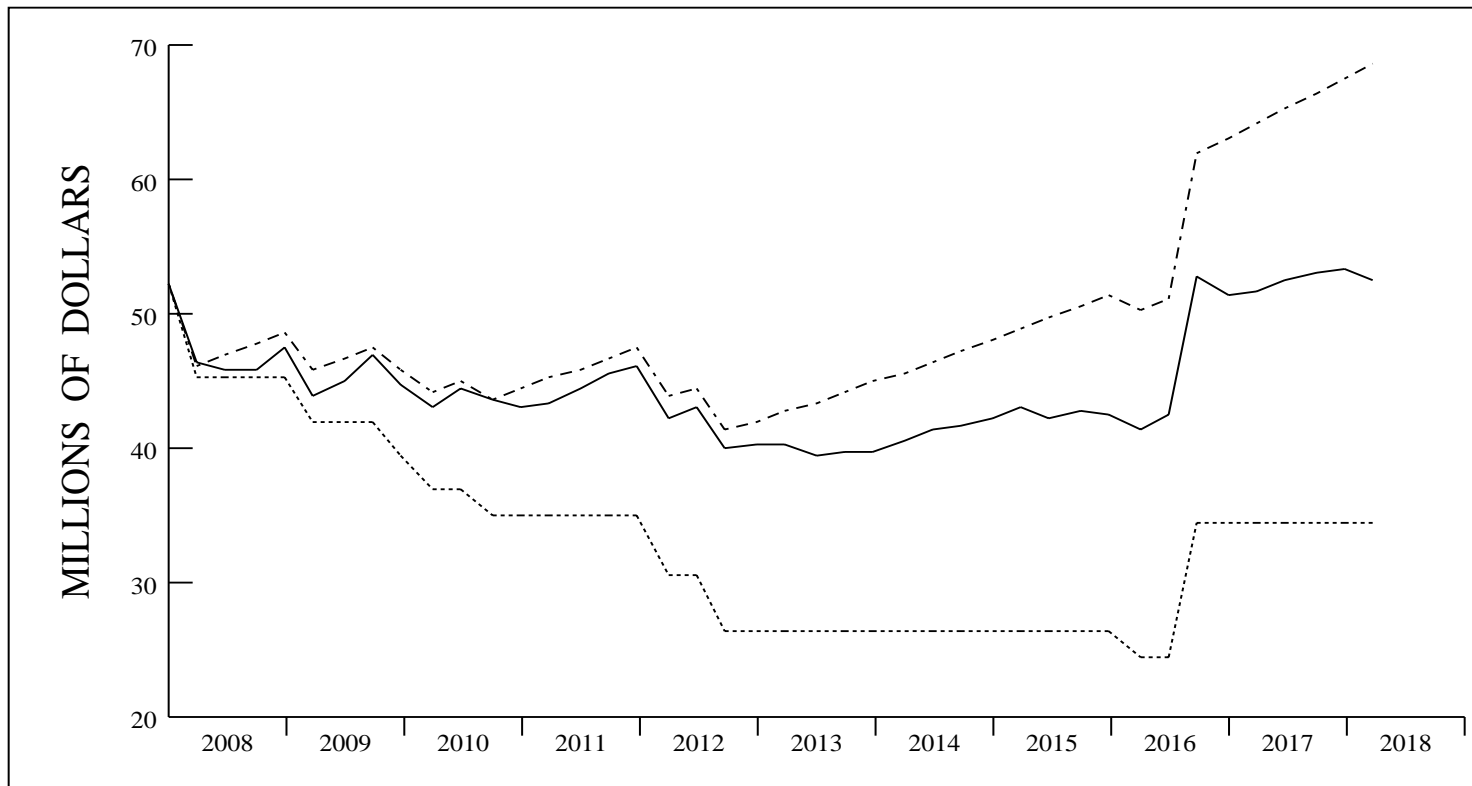
**ASSET ALLOCATION**

Domestic Fixed	100.0%	\$ 52,769,015
Total Portfolio	100.0%	\$ 52,769,015

**INVESTMENT RETURN**

Market Value 12/2017	\$ 53,421,052
Contribs / Withdrawals	-149
Income	435,721
Capital Gains / Losses	- 1,087,609
Market Value 3/2018	\$ 52,769,015

**INVESTMENT GROWTH**

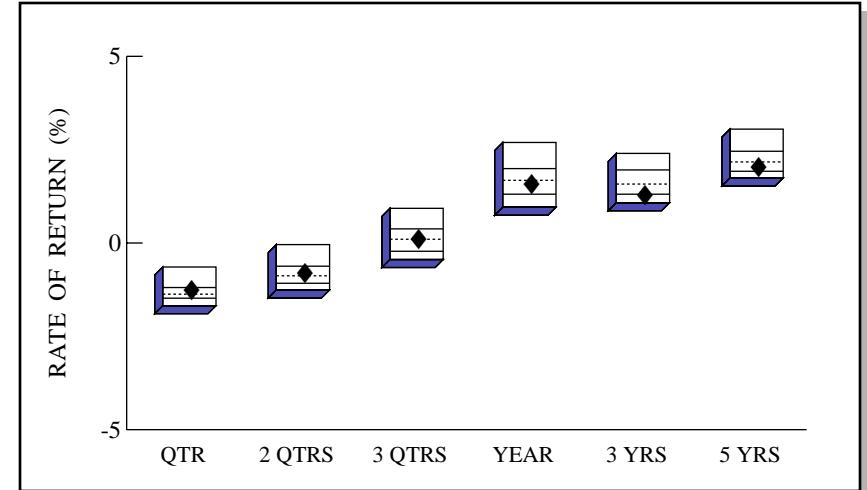
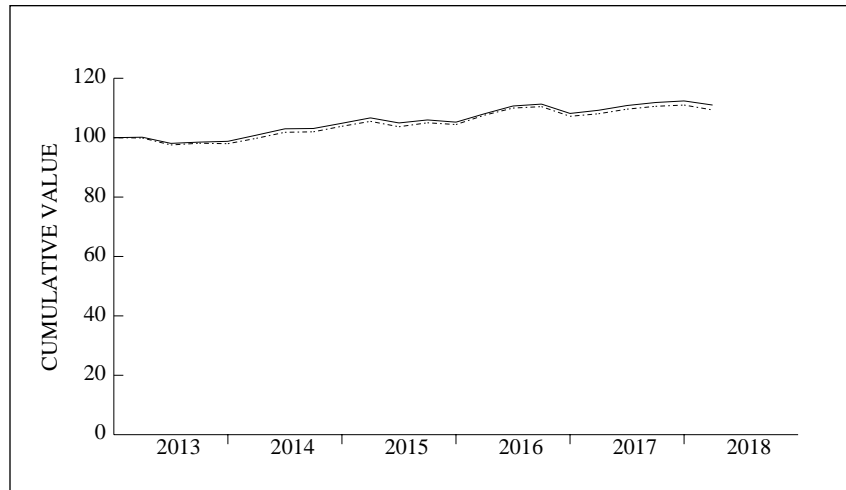


— ACTUAL RETURN  
 - - - 7.0%  
 . . . 0.0%

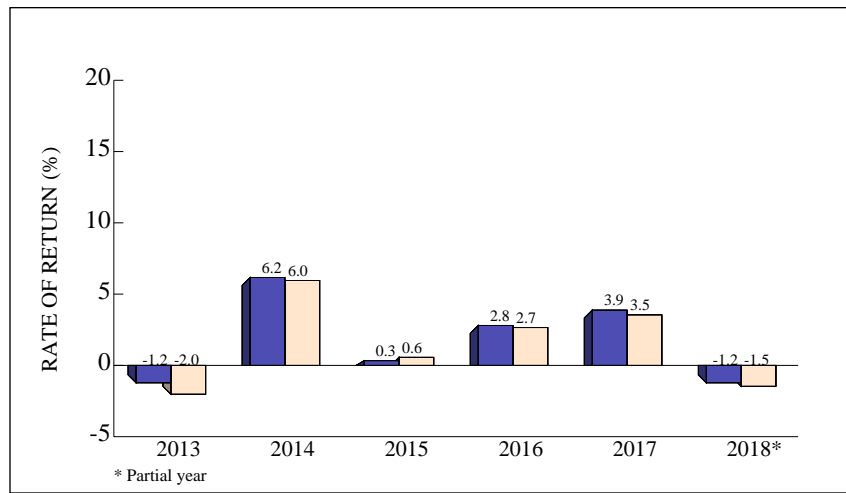
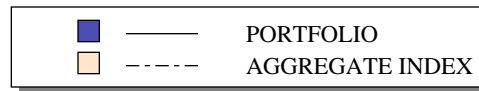
VALUE ASSUMING  
 7.0% RETURN \$ 68,849,540

	LAST QUARTER	PERIOD 12/07 - 3/18
BEGINNING VALUE	\$ 53,421,052	\$ 52,350,710
NET CONTRIBUTIONS	-149	-17,757,518
INVESTMENT RETURN	<u>-651,888</u>	<u>18,175,824</u>
ENDING VALUE	\$ 52,769,015	\$ 52,769,015
INCOME	435,721	10,223,762
CAPITAL GAINS (LOSSES)	<u>-1,087,609</u>	<u>7,952,062</u>
INVESTMENT RETURN	-651,888	18,175,824

**TOTAL RETURN COMPARISONS**



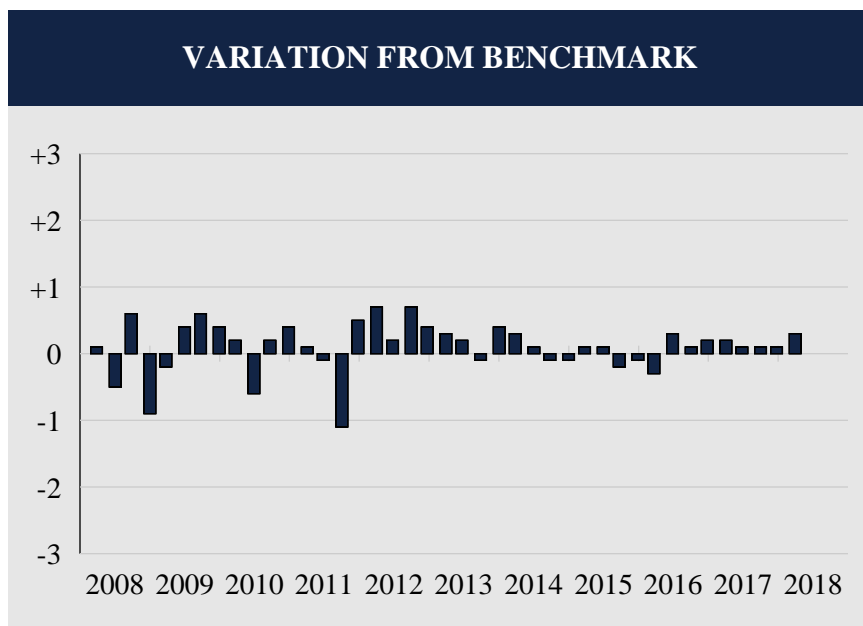
Core Fixed Income Universe



	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	-1.2	-0.8	0.1	1.6	1.3	2.1
(RANK)	(30)	(38)	(44)	(54)	(73)	(58)
5TH %ILE	-0.6	0.0	0.9	2.7	2.4	3.1
25TH %ILE	-1.2	-0.6	0.4	2.0	2.0	2.5
MEDIAN	-1.4	-0.9	0.1	1.7	1.6	2.2
75TH %ILE	-1.5	-1.1	-0.2	1.3	1.3	1.9
95TH %ILE	-1.7	-1.3	-0.4	1.0	1.1	1.7
<b>Agg</b>	<b>-1.5</b>	<b>-1.1</b>	<b>-0.2</b>	<b>1.2</b>	<b>1.2</b>	<b>1.8</b>

Core Fixed Income Universe

**TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY**  
**COMPARATIVE BENCHMARK: BLOOMBERG BARCLAYS AGGREGATE INDEX**

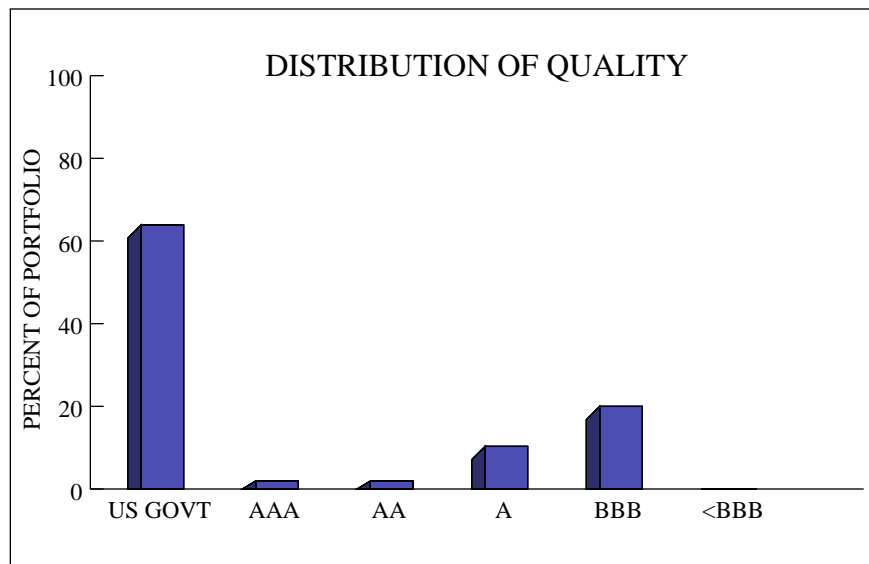
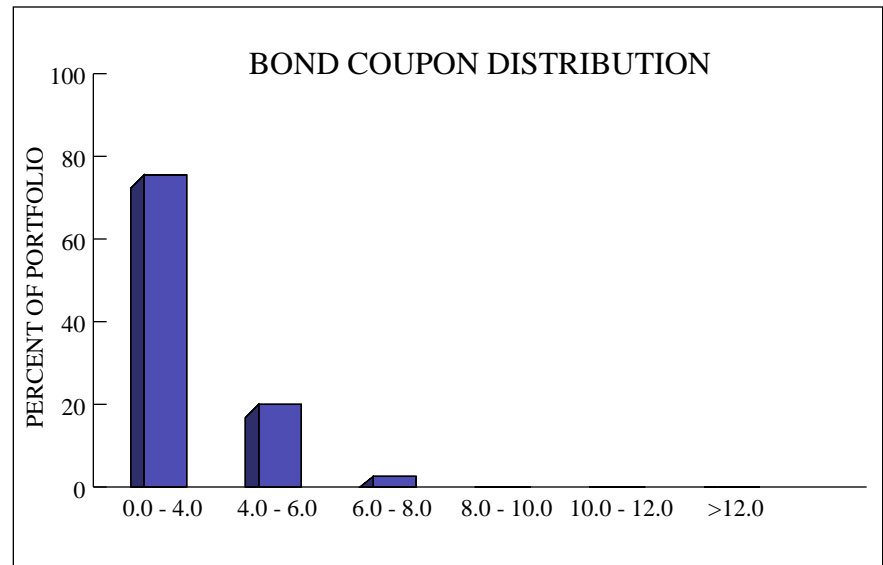
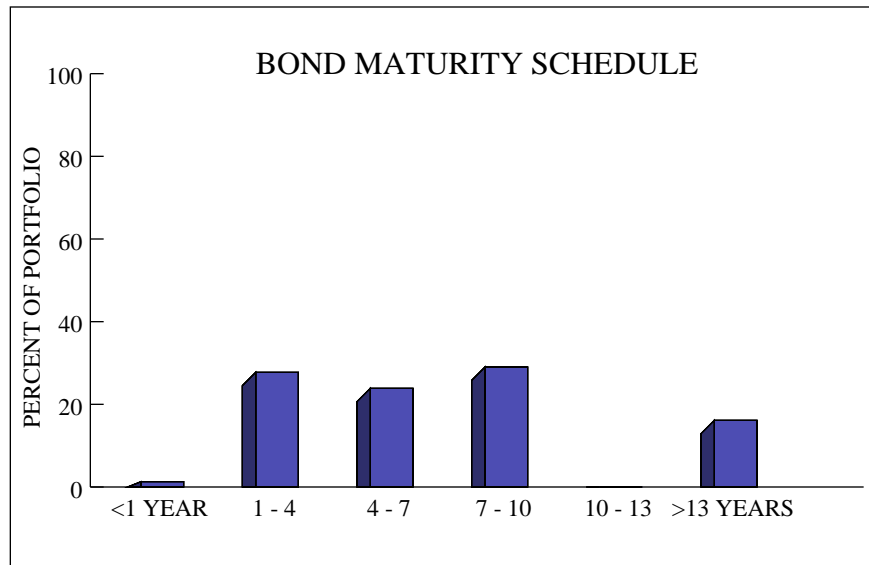


RATES OF RETURN			
Date	Portfolio	Benchmark	Difference
3/08	2.3	2.2	0.1
6/08	-1.5	-1.0	-0.5
9/08	0.1	-0.5	0.6
12/08	3.7	4.6	-0.9
3/09	-0.1	0.1	-0.2
6/09	2.2	1.8	0.4
9/09	4.3	3.7	0.6
12/09	0.6	0.2	0.4
3/10	2.0	1.8	0.2
6/10	2.9	3.5	-0.6
9/10	2.7	2.5	0.2
12/10	-0.9	-1.3	0.4
3/11	0.5	0.4	0.1
6/11	2.2	2.3	-0.1
9/11	2.7	3.8	-1.1
12/11	1.6	1.1	0.5
3/12	1.0	0.3	0.7
6/12	2.3	2.1	0.2
9/12	2.3	1.6	0.7
12/12	0.6	0.2	0.4
3/13	0.2	-0.1	0.3
6/13	-2.1	-2.3	0.2
9/13	0.5	0.6	-0.1
12/13	0.3	-0.1	0.4
3/14	2.1	1.8	0.3
6/14	2.1	2.0	0.1
9/14	0.1	0.2	-0.1
12/14	1.7	1.8	-0.1
3/15	1.7	1.6	0.1
6/15	-1.6	-1.7	0.1
9/15	1.0	1.2	-0.2
12/15	-0.7	-0.6	-0.1
3/16	2.7	3.0	-0.3
6/16	2.5	2.2	0.3
9/16	0.6	0.5	0.1
12/16	-2.8	-3.0	0.2
3/17	1.0	0.8	0.2
6/17	1.5	1.4	0.1
9/17	0.9	0.8	0.1
12/17	0.5	0.4	0.1
3/18	-1.2	-1.5	0.3

<b>Total Quarters Observed</b>	<b>41</b>
<b>Quarters At or Above the Benchmark</b>	<b>29</b>
<b>Quarters Below the Benchmark</b>	<b>12</b>
<b>Batting Average</b>	<b>.707</b>



**BOND CHARACTERISTICS**



	<b>PORTFOLIO</b>	<b>AGGREGATE INDEX</b>
No. of Securities	178	9,868
Duration	6.51	6.08
YTM	3.43	3.12
Average Coupon	3.32	3.08
Avg Maturity / WAL	8.77	8.42
Average Quality	AAA	USG-AAA

CITY OF PONTIAC GENERAL EMPLOYEES' RETIREMENT SYSTEM  
ROBINSON - CORE FIXED INCOME  
PERFORMANCE REVIEW  
MARCH 2018

## **INVESTMENT RETURN**

On March 31st, 2018, the City of Pontiac General Employees' Retirement System's Robinson Core Fixed Income portfolio was valued at \$50,630,884, representing an increase of \$43,274 from the December quarter's ending value of \$50,587,610. Last quarter, the Fund posted withdrawals totaling \$578, which partially offset the portfolio's net investment return of \$43,852. Net investment return was a product of income receipts totaling \$709,492 and realized and unrealized capital losses of \$665,640.

## **RELATIVE PERFORMANCE**

### **Total Fund**

For the first quarter, the Robinson Core Fixed Income portfolio returned 0.1%, which was 1.1% above the Intermediate Gov/Credit Index's return of -1.0% and ranked in the 1st percentile of the Intermediate Fixed Income universe. Over the trailing year, the portfolio returned 0.5%, which was 0.1% above the benchmark's 0.4% return, ranking in the 91st percentile. Since September 2010, the portfolio returned 2.5% annualized and ranked in the 41st percentile. The Intermediate Gov/Credit returned an annualized 1.9% over the same period.

## **HOLDINGS ANALYSIS**

At the end of the quarter, USG rated securities comprised nearly 75% of the bond portfolio, helping to minimize default risk. Corporate securities, rated AAA through BBB, made up the remainder, giving the portfolio an overall average quality rating of USG-AAA. The average maturity of the portfolio was 4.51 years, longer than the Bloomberg Barclays Intermediate Gov/Credit Index's 4.37-year maturity. The average coupon was 2.70%.

**EXECUTIVE SUMMARY**

**PERFORMANCE SUMMARY**

	Qtr / YTD	1 Year	3 Year	5 Year	7 Year	10 Year	Since 09/10
<b>Total Portfolio - Gross</b>	0.1	0.5	1.1	1.6	2.7	----	2.5
<i>INTERMEDIATE FIXED RANK</i>	(1)	(91)	(77)	(54)	(44)	----	(41)
<b>Total Portfolio - Net</b>	0.0	0.3	0.9	1.4	2.5	----	2.3
Int Gov/Credit	-1.0	0.4	0.9	1.2	2.2	2.9	1.9
<b>Domestic Fixed Income - Gross</b>	0.1	0.5	1.1	1.6	2.7	----	2.5
<i>INTERMEDIATE FIXED RANK</i>	(1)	(91)	(77)	(54)	(44)	----	(41)
Int Gov/Credit	-1.0	0.4	0.9	1.2	2.2	2.9	1.9

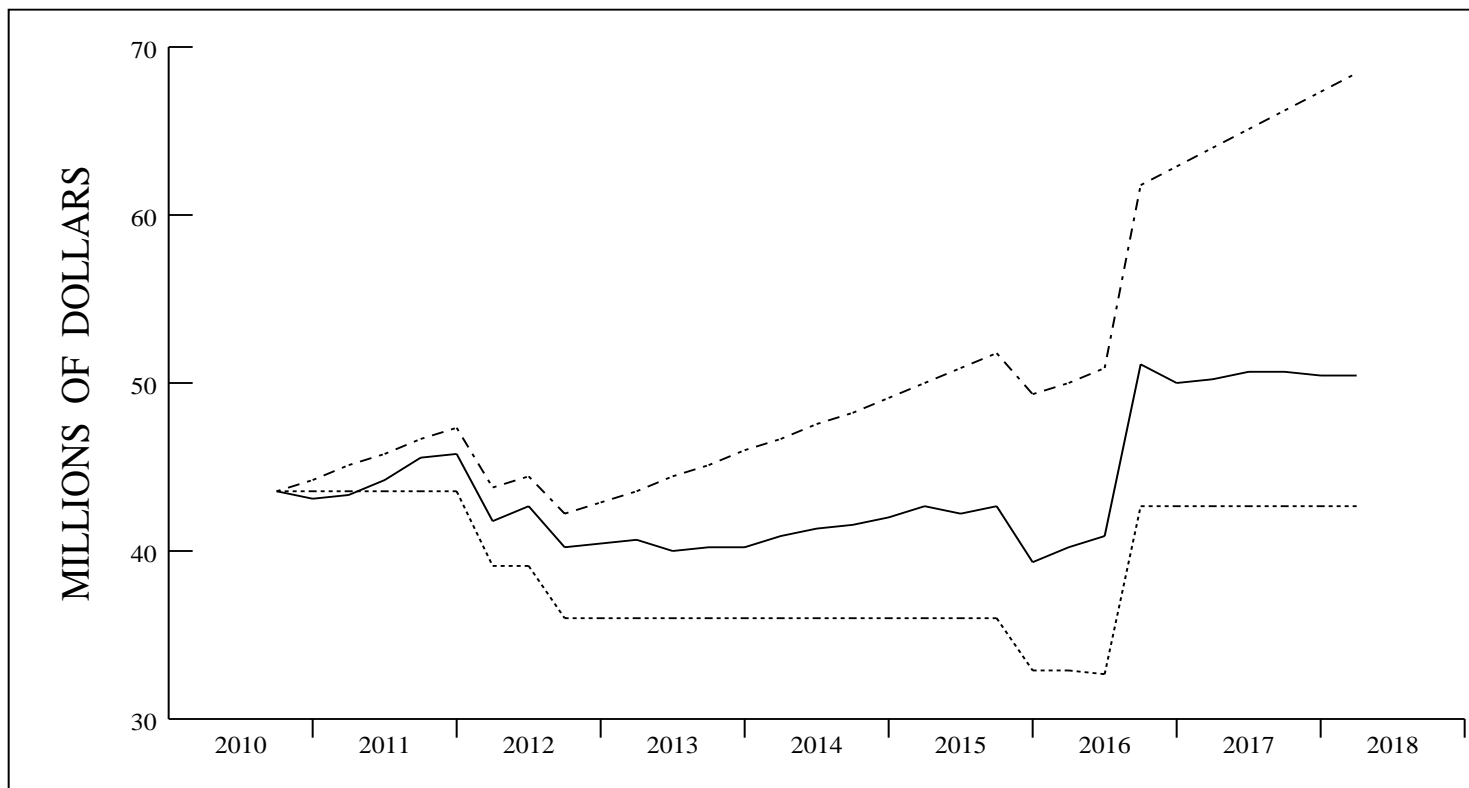
**ASSET ALLOCATION**

Domestic Fixed	100.0%	\$ 50,630,884
Total Portfolio	100.0%	\$ 50,630,884

**INVESTMENT RETURN**

Market Value 12/2017	\$ 50,587,610
Contribs / Withdrawals	-578
Income	709,492
Capital Gains / Losses	-665,640
Market Value 3/2018	\$ 50,630,884

**INVESTMENT GROWTH**

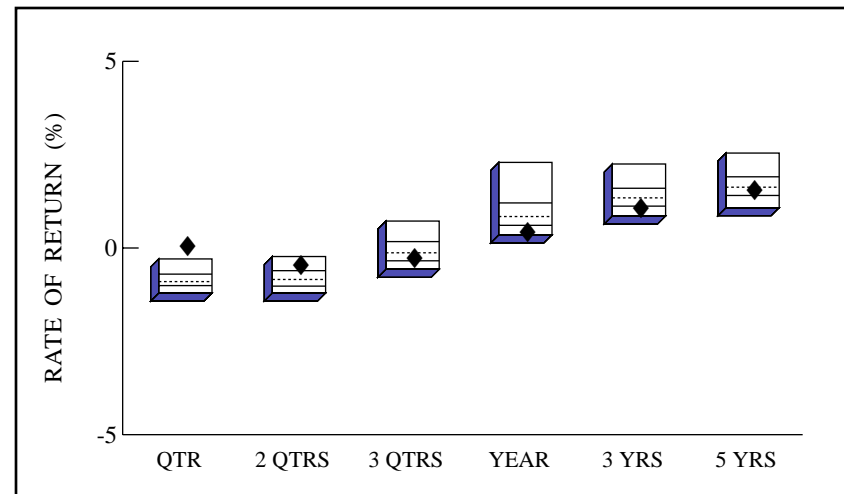
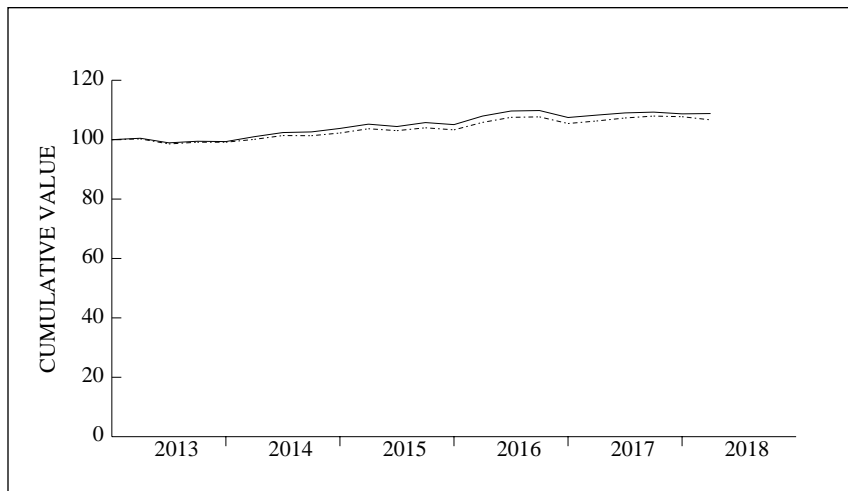


—	ACTUAL RETURN
- - -	7.0%
· · ·	0.0%

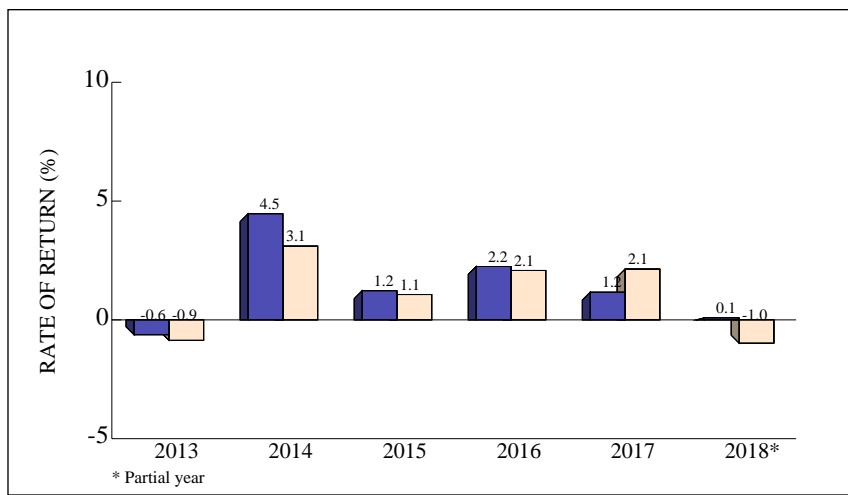
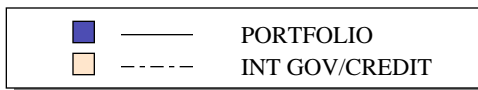
VALUE ASSUMING	
7.0% RETURN	\$ 68,568,983

	LAST QUARTER	PERIOD 9/10 - 3/18
BEGINNING VALUE	\$ 50,587,610	\$ 43,698,759
NET CONTRIBUTIONS	-578	-814,313
<u>INVESTMENT RETURN</u>	<u>43,852</u>	<u>7,746,438</u>
ENDING VALUE	\$ 50,630,884	\$ 50,630,884
INCOME	709,492	10,266,624
<u>CAPITAL GAINS (LOSSES)</u>	<u>-665,640</u>	<u>-2,520,186</u>
INVESTMENT RETURN	43,852	7,746,438

**TOTAL RETURN COMPARISONS**



Intermediate Fixed Universe

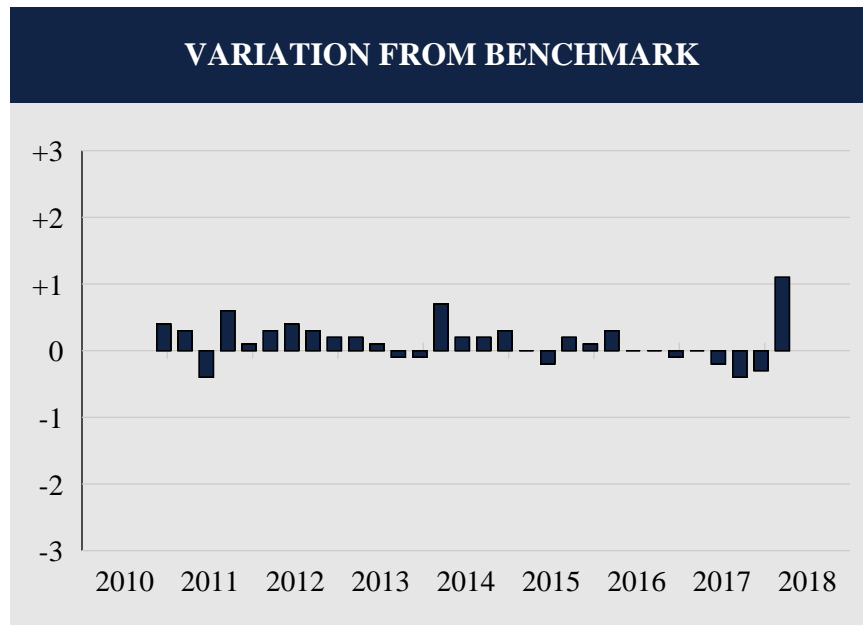


	QTR	2 QTRS	3 QTRS	YEAR	-----ANNUALIZED-----	
					3 YRS	5 YRS
RETURN	0.1	-0.4	-0.2	0.5	1.1	1.6
(RANK)	( 1)	(14)	(59)	(91)	(77)	(54)
5TH %ILE	-0.3	-0.2	0.7	2.3	2.3	2.5
25TH %ILE	-0.7	-0.6	0.2	1.2	1.6	1.9
MEDIAN	-0.9	-0.8	-0.1	0.8	1.3	1.6
75TH %ILE	-1.0	-1.0	-0.3	0.6	1.1	1.4
95TH %ILE	-1.2	-1.2	-0.6	0.4	0.9	1.1
<b>Int G/C</b>	<b>-1.0</b>	<b>-1.2</b>	<b>-0.6</b>	<b>0.4</b>	<b>0.9</b>	<b>1.2</b>

Intermediate Fixed Universe

### TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

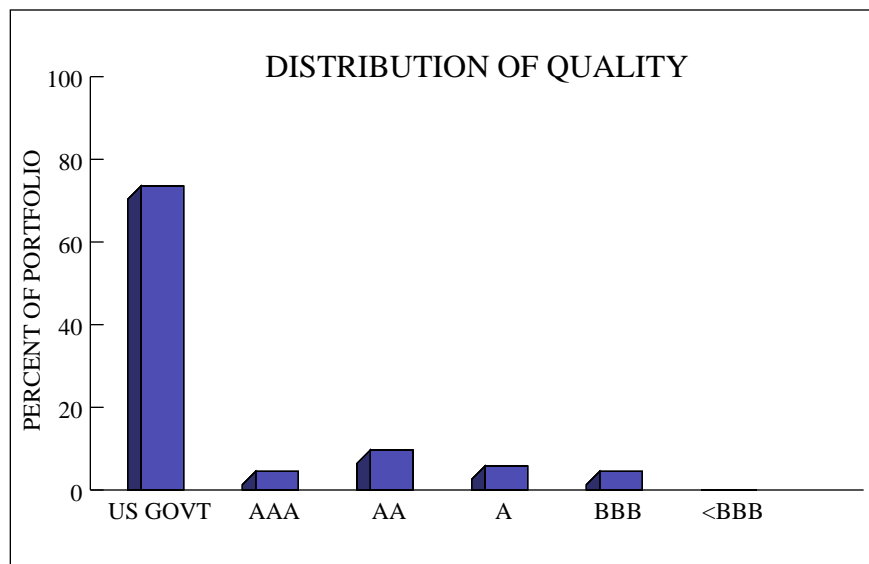
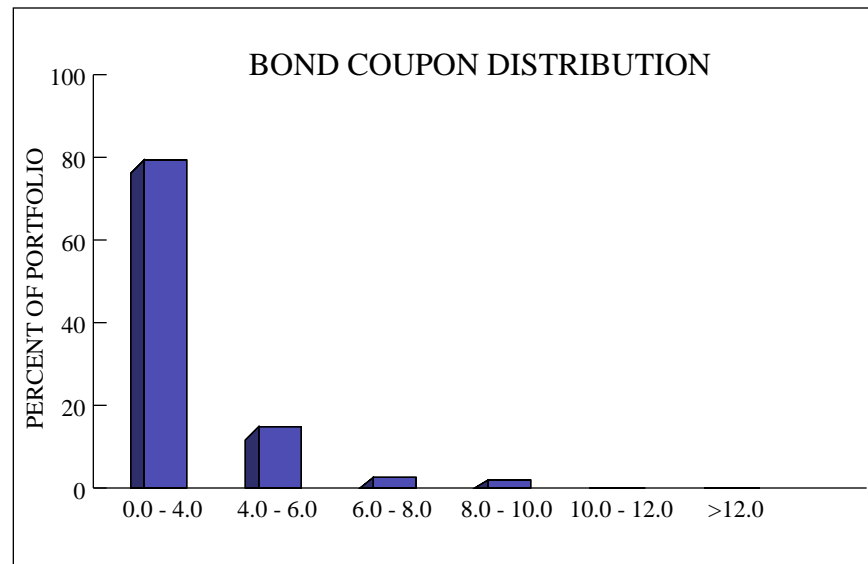
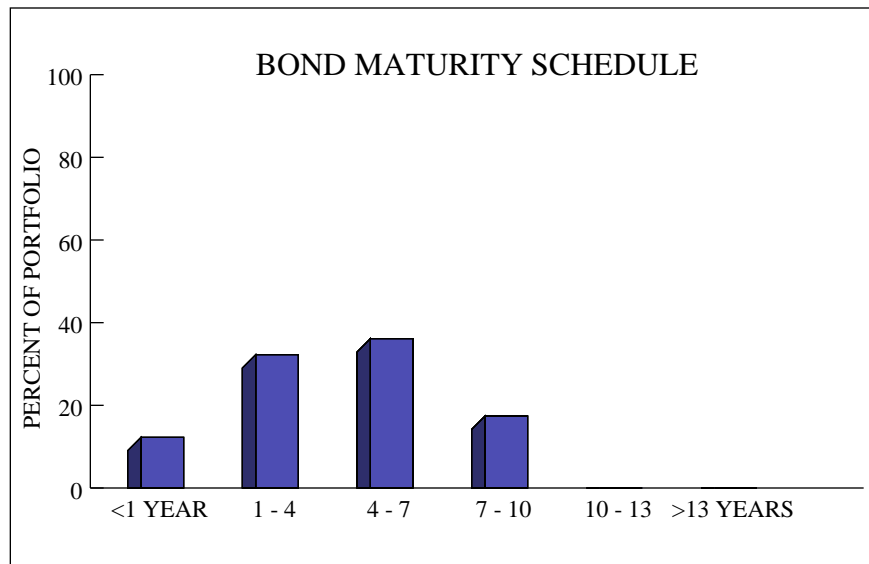
COMPARATIVE BENCHMARK: INTERMEDIATE GOV/CREDIT



<b>Total Quarters Observed</b>	<b>30</b>
<b>Quarters At or Above the Benchmark</b>	<b>22</b>
<b>Quarters Below the Benchmark</b>	<b>8</b>
<b>Batting Average</b>	<b>.733</b>

<b>RATES OF RETURN</b>			
Date	Portfolio	Benchmark	Difference
12/10	-1.0	-1.4	0.4
3/11	0.6	0.3	0.3
6/11	1.7	2.1	-0.4
9/11	3.0	2.4	0.6
12/11	0.9	0.8	0.1
3/12	0.9	0.6	0.3
6/12	1.9	1.5	0.4
9/12	1.7	1.4	0.3
12/12	0.5	0.3	0.2
3/13	0.5	0.3	0.2
6/13	-1.6	-1.7	0.1
9/13	0.5	0.6	-0.1
12/13	-0.1	0.0	-0.1
3/14	1.7	1.0	0.7
6/14	1.4	1.2	0.2
9/14	0.2	0.0	0.2
12/14	1.2	0.9	0.3
3/15	1.4	1.4	0.0
6/15	-0.8	-0.6	-0.2
9/15	1.2	1.0	0.2
12/15	-0.6	-0.7	0.1
3/16	2.7	2.4	0.3
6/16	1.6	1.6	0.0
9/16	0.1	0.1	0.0
12/16	-2.2	-2.1	-0.1
3/17	0.8	0.8	0.0
6/17	0.7	0.9	-0.2
9/17	0.2	0.6	-0.4
12/17	-0.5	-0.2	-0.3
3/18	0.1	-1.0	1.1

**BOND CHARACTERISTICS**



	<b>PORTFOLIO</b>	<b>INT GOV/CREDIT</b>
No. of Securities	89	4,781
Duration	4.00	3.99
YTM	2.76	2.82
Average Coupon	2.70	2.49
Avg Maturity / WAL	4.51	4.37
Average Quality	USG-AAA	USG-AAA