

# OPEB Trust Performance Review December 2018





**New York** 

Massachusetts

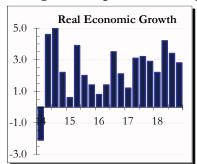
Pennsylvania

Florida

### **ECONOMIC ENVIRONMENT**

# **Staying Power**

The US economy chugged along despite a trade war with China, entrenched beltway politics, higher short-term interest rates, and falling market prices. Third quarter GDP growth was 3.4% and the



latest Q4 estimate is 2.8%. Why so healthy? Several factors contributed: government spending, corporate capital investment, inventory buildup, and consumer buying. Job growth was impressive in 2018, with 2.6 million more workers added to the rolls, and 312,000 new jobs added in December alone. While new and existing home sales fell during

the quarter, existing home sales (annualized as of November) remained a robust 5.3 million. Importantly, inflation remained tame for both the quarter and the year.

Corporate manufacturing and services industries continued to expand, but the rate of growth diminished. Yet virtually all the individual industry sectors reported some growth. Consumer sentiment was off its recent high, but solidly above neutral. Consumers were happy with their current situation, but less so regarding the short-term future. In December, the Federal Reserve followed through on a final rate hike. Arguably, four increases in 2018 put a brake on the economy. However, Fed Chairman Jerome Powell also stated that additional increases may not occur because rates have already climbed to "the lower end of the neutral rate range." Translation: expect no rate increases for a while!

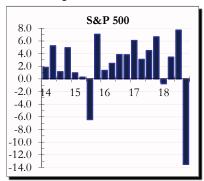
Commodity prices fell more than 9% for the quarter, mostly due to collapsing oil prices (-36%). The dollar's strength and a slower Chinese economy also stymied the price of metals. Among commodities, the only bright lights were cocoa (+16.5%) and gold (+7.2%). While the economy accelerated during the quarter, the stock markets fell back. Brexit uncertainty and a simmering trade war were just two factors that contributed to an equities meltdown. Other contributors included a partial Government shutdown late in the year, lower anticipated corporate earnings, the huge and growing

Federal deficit, and very high stock prices at the beginning of October. Spoiler alert: cash became king.

# **DOMESTIC EQUITIES**

# Volatility and a Downward Slide

All of the major stock indices lost ground for the quarter. The NASDAQ's tech stocks tumbled 17.3%. The S&P 500 lost 13.5%, and



the DJIA, which is more defensive in nature, dropped 11.3%. Growth stocks, which had soared through September, fell more than value stocks. Among large companies, the Russell 1000 Growth Index lost 15.9% vs. the Russell 1000 Value Index, which was off 11.7%. The same pattern held true for smaller names, although declines were steeper. For example, the Russell

Microcap Growth Index was pummeled 25% vs. a 19.5% drop for the Microcap Value Index. The growth—value disparity existed because growth stocks were already priced to "perfection," but, this was not the case for value names.

With the exception of utilities, stocks in every other S&P sector ended in negative territory. Given the plunge in oil prices, the energy sector was the worst performer, down 23.8%. The IT sector, including the so-called FAANG (Apple added to the old FANG) stocks, gave back 17.3%. Industrials, consumer discretionary and telecom names weren't far behind. Healthcare performed somewhat better (-8.7%) on the strength of new products and mergers. Consumer staples (-5.2%) benefited from sizable job growth. Finally, the "run for cover" utilities sector eked out a 1.4% gain. Even there, stocks of some utilities such as NextEra were in the black while others like PG&E were hemorrhaging. Overall, it was a tough quarter for stocks.

The market's run-up through September partially offset the fourth quarter rout. For the full year, NASDAQ fell 2.8%, the S&P 500 dropped 4.4% and the DJIA lost 3.5%. Large-caps lost less than

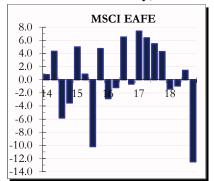
small-caps and growth fell a lot less than value. The Russell 1000 Growth was down 1.5% vs. an 8.3% loss for its value counterpart. The Russell 2000 Growth dropped 9.3% compared to the Russell 2000 Value, which lost 12.9%. Bottom line, the fourth quarter declines put a big dent in 2018 performance. But an unmitigated disaster it was not!

# INTERNATIONAL EQUITIES

# **Falling Prices Far and Wide**

A tightening US monetary policy and the trade impasse between the US and China have squeezed international developed stock markets. In addition, European economies have slumped and populist politicians have ascended to top positions. Australian shares weakened due to historic drought conditions and Japan suffered from lower exports and reduced tourism. The net effect: a 12.5% decline in the EAFE Index.

The Euro market fell 13.1% with Europe's two largest economies, France and Germany, each declining an average of 15%. France



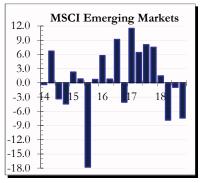
experienced civil unrest over a new green tax on fuel and Germany saw sinking auto sales. Italy, the third largest Euro economy, fell 11.8%, but mitigated its losses by adhering to a low annual projected deficit and making serious efforts to turn around its problem banks. Spain (-8.5%) enjoyed a more robust economy fueled by rising tourism and consumer spending. The UK

struggled with a slowing economy amid the ongoing Brexit crisis, but also employed many new workers. The net effect was a market loss of 11.8%. Ireland fell almost 18%, in anticipation of a possible closed UK border, post Brexit.

Australia, besieged by continued drought and reduced demand for its raw material, lost 10%. Japan shares dived 14%, reflecting a 2.5% GDP decline in the third quarter and natural disasters that dampened both exports and tourism. Singapore (-6.7%) suffered

from slow growth in its manufacturing and services sectors, but saw exports tick up. Hong Kong (-4.5%) was impacted both by China's slower growth and its own slumping property markets. It was surprising that shares didn't fall further. Israel (-14.3%) had healthy domestic growth and high consumer confidence; however, these positives were offset by corruption allegations against its long-time Prime Minister. Finally, Canada (not part of the EAFE Index) dealt with much lower oil export prices and slowing economic momentum, as well as its ties to the slumping US stock market. As a result, Canada's shares dropped more than 15%. For the full year, EAFE lost 12.5%, most of which occurred in the fourth quarter. For the larger countries, it was a particularly tough quarter and tough year.

Emerging market (EM) returns fell 7.4% for the quarter, continuing



to fall far from its glory days through 2017. The reasons were obvious: the US tariff dispute with China, falling currencies, moderating China demand, new populist political leaders, and unique country issues. For full year 2018, the EM Index was 14.3% in the red. Excluding China, the loss was 12%, which was no worse than that of the EAFE. In the past, emerging market stocks have

rebounded from worse situations to become top performers.

Brazil shined in an otherwise dismal EM performance array. Brazil is part of the BRIC country group that also includes Russia, India and China. This South American powerhouse made a dramatic turnaround for the quarter (+13.6%), due in part to the recent election of populist President Jair Bolsonaro, who is pro-business and has already begun to privatize some state-owned enterprises. In addition, oil giant Petrobras is under new leadership, with less state involvement. Russia (-8.8%), still mired in Ukraine-related sanctions, managed to gain some economic steam. A reduction in US sanctions against some major Russian companies helped, but the plunge in oil prices put a lid on any good news from the Russian economy. India was another positive performer (+2.5%), where lower oil prices proved a boon to its oil-importing economy. Still, weak agricultural output and bad banking loans acted as a brake on

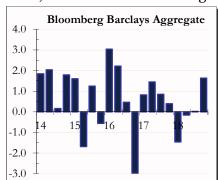
India's performance. China's economic story is familiar. Investors became net sellers as growth moderated from a very high base and investors feared potential disaster from the trade impasse with the US. Softening consumer demand for such items as autos and smart phones added to China's woes, sending its shares down 10.7%.

Among other emerging markets, Korean shares dropped 12.8% due to reduced electronics parts shipments and other issues. Taiwan's economy lost ground, by comparison (-13.7%), as China's renewed threats toward that island nation rattled investor confidence. Indonesian shares were surprisingly positive (+9.8%). Turkish shares turned positive (+4.8%) after a devastating drop earlier in the year. Still, the country's economy remains dismal. Finally, Mexico was down almost 19%. Compared to Brazil's new populist leader, Mexico's President Obrador is far to the political left, which has not helped the Mexican market. Not only has he threatened the role of private oil companies, but he has done so as oil prices were falling.

### BOND MARKET

### **Modest Positive Returns in Some Sectors**

In December, the Fed funds rate was raised for the fourth time in 2018; it now stands in the range of 2.25%-2.50%. In anticipation of



the increase, rates all along the through vield curve rose November. Then, almost miraculously, dropped rates The significantly. 10-year Treasury bond fell almost 30 basis points in December and 36 basis points for the quarter. This was attributable to several events: a flight to safety, acknowledgement of the global

economic slowdown, the steep decline in oil prices, and continued low inflation.

While Treasury securities benefited from the 'risk off' sentiment, corporate credit spreads widened as investors began to question the strength of corporate earnings for the near-term. As a result, credits of BAA and below turned in negative returns. Even so, Treasuries

and higher-rated corporate credits performed decidedly better than most equities, incurring smaller losses or making modest gains.

The Barclays Aggregate Index returned 1.6% for the quarter, driven mainly by the heavy Treasury component. The Treasury sector alone rose 2.6%. 10-year and longer Treasuries added over 4%! Other positive performers were: residential mortgage paper (+2.1%), commercial mortgage instruments (+1.7%), and asset-backed securities (+1.3%). The highly leveraged 'junk' bond sector lost 4.5% due to investor concerns regarding future economic performance. The lowest-rated CA-D credits plunged 24.1%! Even BAA credits, a step above junk, lost 0.9%.

Major foreign bond markets again fared poorly in US dollar terms, as the Euro, UK pound, Canadian and Australian dollars lost value against the US dollar. However, the Japanese Yen rose 3.5%. Non-US investment-grade global bonds managed a 1.6% gain (unhedged), helped both by the stronger Yen and an anticipated ECB slowdown in raising its interest rates. The US dollar's strength and China trade issues dampened EM bond returns for an average 0.2% loss.

The Barclays Aggregate Index returned zero for the full year, while the High Yield Index was down 2.1%. Non-US investment grade bonds (unhedged) lost 1.7% and EM bonds gave back 2.5%. While bond returns were nothing to celebrate, they were an excellent counterweight to the more volatile equity markets.

# **CASH EQUIVALENTS**

### **Cash Ruled**

The three-month T-Bill returned 0.6% for the fourth quarter and 1.9% for the year. Six-month and one-year Treasuries had comparable results. By year-end, a few banks were offering one-year CDs at close to 3% annualized rate. Bottom line: cash equivalents were THE best-performing asset class in 2018.

### **Economic Statistics**

	Current Quarter	Previous Quarter
GDP	2.8%	3.4%
Unemployment	3.9%	3.7%
CPI All Items Year/Year	1.9%	2.3%
Fed Funds Rate	2.50%	2.25%
Industrial Capacity	78.7%	78.4%
US Dollars per Euro	1.15	1.16

# **Domestic Equity Return Distributions**

Quarter	<b>Trailing Year</b>
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	VAL	COR	GRO
LC	-11.7	-13.8	-15.9
MC	-15.0	-15.4	-16.0
SC	-18.7	-20.2	<b>-21.</b> 7

	VAL	COR	GRO
LC	-8.3	-4.8	-1.5
MC	-12.3	-9.1	-4.8
SC	-12.9	-11.0	-9.3

# **Major Index Returns**

Index	Quarter	12 Months
Russell 3000	-14.3	-5.2
S&P 500	-13.5	-4.4
Russell Midcap	-15.4	-9.1
Russell 2000	-20.2	-11.0
MSCI EAFE	-12.5	-13.4
MSCI Emg Markets	-7.4	-14.3
NCREIF ODCE	1.8	8.3
U.S. Aggregate	1.6	0.0
90 Day T-bills	0.6	2.0

# **Market Summary**

- The Atlanta Fed estimates a 2.8% GDP for Q4.
- Unemployment ticked up to 3.9%.
- Inflation during the calendar year was 1.9%.
- The US dollar continued to strengthen.
- Growth stocks, which had outpaced value for the first three quarters of the year, took a deeper dive as markets contracted in Q4, but were still ahead of their value counterparts for the full year.

### **INVESTMENT RETURN**

On December 31st, 2018, the City of Alexandria OPEB Trust's Composite was valued at \$67,132,710, a decrease of \$3,706,563 from the September ending value of \$70,839,273. Last quarter, the account recorded total net contributions of \$1,485,792, which partially offset the account's \$5,192,355 net investment loss for the period. The fund's net investment loss was a result of income receipts totaling \$1,641,960 and realized and unrealized capital losses totaling \$6,834,315.

### RELATIVE PERFORMANCE

### **Total Fund**

During the fourth quarter, the Composite portfolio lost 7.2%, which was 1.7% greater than the Manager Shadow Index's return of -8.9% and ranked in the 27th percentile of the Public Fund universe. Over the trailing year, the portfolio returned -3.6%, which was 3.1% greater than the benchmark's -6.7%, and ranked in the 35th percentile. Since December 2008, the account returned 9.2% per annum and ranked in the 18th percentile. For comparison, the Manager Shadow Index returned an annualized 9.3% over the same time frame.

### **Diversified Assets**

During the fourth quarter, the diversified assets portion of the portfolio lost 3.1%, which was 1.9% above the HFRI FOF Composite's return of -5.0%. Over the trailing twelve-month period, this component returned -4.1%, which was equal to the benchmark's -4.1%.

### **Equity**

Equity returned -10.8% during the fourth quarter, 1.9% above the MSCI All Country World index's return of -12.7% and ranked in the

29th percentile of the Global Equity universe. Over the trailing twelve-month period, the equity portfolio returned -5.6%, 3.3% greater than the benchmark's -8.9% return, and ranked in the 24th percentile. Since December 2008, this component returned 10.9% on an annualized basis and ranked in the 44th percentile. The MSCI All Country World returned an annualized 10.0% over the same time frame.

### **Real Assets**

In the fourth quarter, the real assets component returned 1.3%, which was 0.5% less than the NCREIF NFI-ODCE Index's return of 1.8%. Over the trailing twelve-month period, this component returned 4.6%, which was 3.7% less than the benchmark's 8.3% return.

### **Fixed Income**

The fixed income assets returned 1.5% last quarter, 0.1% below the Bloomberg Barclays Aggregate Index's return of 1.6% and ranked in the 9th percentile of the Global Fixed Income universe. Over the trailing twelve months, this component returned 0.2%, 0.2% above the benchmark's 0.0% performance, ranking in the 21st percentile. Since December 2008, this component returned 4.2% per annum and ranked in the 57th percentile. For comparison, the index returned an annualized 3.5% over the same period.

# ASSET ALLOCATION

On December 31st, 2018, diversified assets comprised 4.8% of the total portfolio (\$3.2 million), while equities totaled 64.5% (\$43.3 million). The account's real assets segment was valued at \$7.6 million, representing 11.3% of the portfolio, while the fixed income component's \$12.9 million totaled 19.2%. The remaining 0.2% was comprised of cash & equivalents (\$122,511).

# **EXECUTIVE SUMMARY**

PERFORMANCE SUMMARY						
	Quarter	FYTD	YTD/1Y	3 Year	5 Year	Since 12/08
Total Portfolio - Gross	-7.2	-4.2	-3.6	7.6	5.7	9.2
PUBLIC FUND RANK	(27)	(24)	(35)	(3)	(14)	(18)
Total Portfolio - Net	-7.4	-4.5	-4.3	6.9	5.0	8.7
Manager Shadow	-8.9	-6.2	-6.7	6.1	5.0	9.3
<b>Diversified Assets - Gross</b>	-3.1	-2.5	-4.1	8.0	3.4	
HFRI FOF	-5.0	-4.8	-4.1	1.3	1.4	3.1
60 S&P / 40 Agg	-7.6	-3.3	-2.3	6.5	6.2	9.4
DJCS HF Index	-4.3	-3.7	-3.2	1.6	1.7	5.1
<b>Equity - Gross</b>	-10.8	-6.8	-5.6	9.6	6.7	10.9
GLOBAL EQUITY RANK	(29)	(28)	(24)	(12)	(25)	(44)
MSCI AC World	-12.7	-8.8	-8.9	7.2	4.8	10.0
Real Assets - Gross	1.3	2.1	4.6	6.1	7.2	
NCREIF ODCE	1.8	3.9	8.3	8.2	10.4	7.0
NCREIF Timber	1.0	2.0	3.4	3.2	5.0	3.8
BLP Commodity	-9.4	-11.2	-11.2	0.3	-8.8	-3.8
Fixed Income - Gross	1.5	1.7	0.2	3.5	3.1	4.2
GLOBAL FIXED INCOME RANK	(9)	(5)	(21)	(59)	(40)	(57)
Aggregate Index	1.6	1.7	0.0	2.1	2.5	3.5
BBC Multiverse	1.0	0.2	-1.4	3.0	1.2	

ASSET ALLOCATION						
Diversified	4.8%	\$ 3,196,275				
Equity	64.5%	43,318,041				
Real Assets	11.3%	7,598,796				
Fixed Income	19.2%	12,897,087				
Cash	0.2%	122,511				
Total Portfolio	100.0%	\$ 67,132,710				

# INVESTMENT RETURN

 Market Value 9/2018
 \$ 70,839,273

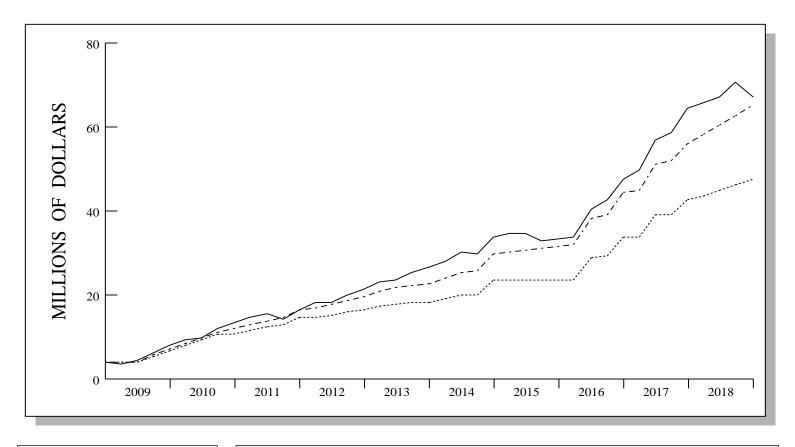
 Contribs / Withdrawals
 1,485,792

 Income
 1,641,960

 Capital Gains / Losses
 -6,834,315

 Market Value 12/2018
 \$ 67,132,710

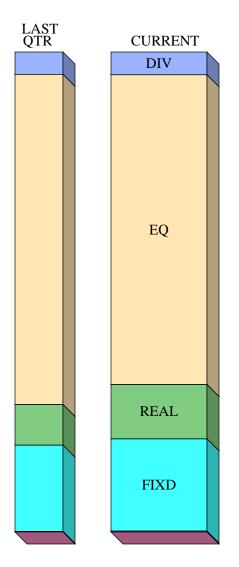
# **INVESTMENT GROWTH**



------ ACTUAL RETURN
------ 6.75%
------ 0.0%

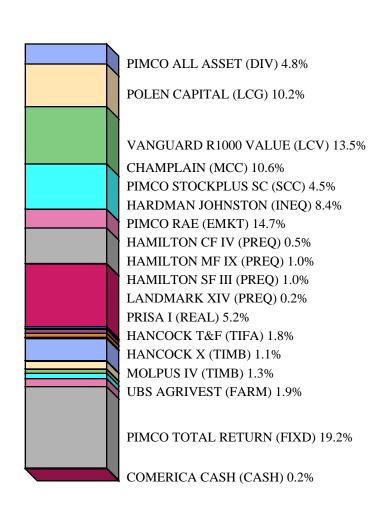
VALUE ASSUMING 6.75% RETURN \$ 65,623,050

	LAST QUARTER	PERIOD 12/08 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	\$ 70,839,273 1,485,792 -5,192,355 \$ 67,132,710	\$ 4,309,833 43,672,928 19,149,949 \$ 67,132,710
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	$ \begin{array}{r} 1,641,960 \\ -6,834,315 \\ \hline -5,192,355 \end{array} $	7,667,966 11,481,983 19,149,949



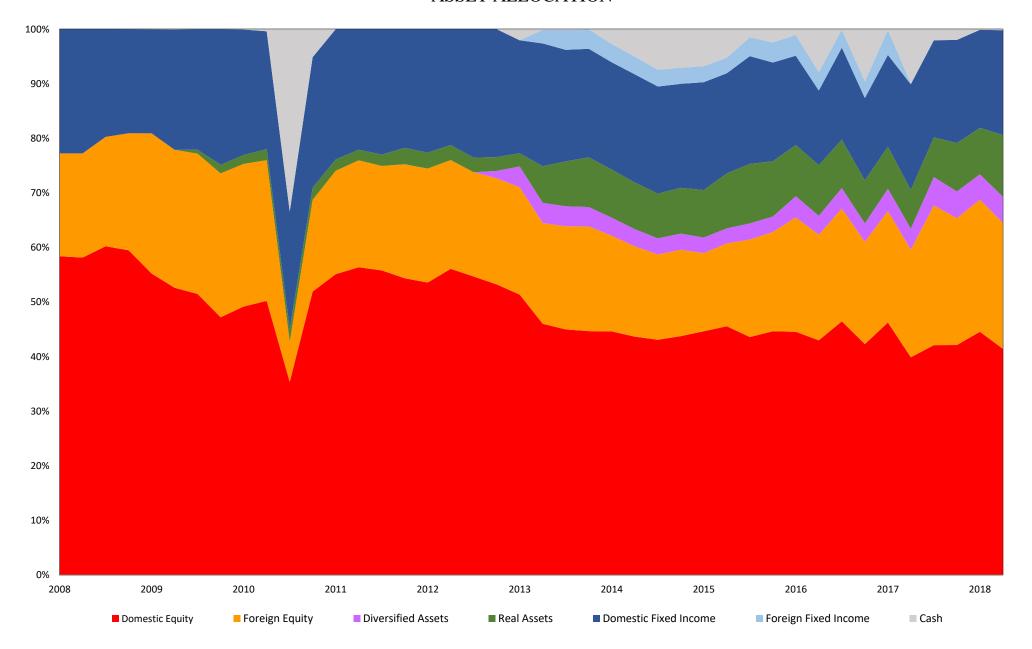
EQUITY 43, 318, 041 64.5% 70.0% -5.5%  REAL ASSETS 7, 598, 796 11.3% 15.0% -3.7%  FIXED INCOME 12, 897, 087 19.2% 10.0% 9.2%  CASH & EQUIVALENT 122, 511 0.2% 0.0% 0.2%		VALUE	PERCENT	TARGET	DIFFERENCE + / -
REAL ASSETS 7, 598, 796 11.3% 15.0% -3.7%  FIXED INCOME 12, 897, 087 19.2% 10.0% 9.2%  CASH & EQUIVALENT 122, 511 0.2% 0.0% 0.2%	DIVERSIFIED ASSETS	\$ 3, 196, 275	4.8%	5.0%	-0.2%
FIXED INCOME 12, 897, 087 19.2% 10.0% 9.2%  CASH & EQUIVALENT 122, 511 0.2% 0.0% 0.2%	EQUITY	43, 318, 041	64.5%	70.0%	-5.5%
CASH & EQUIVALENT 122, 511 0.2% 0.0% 0.2%	REAL ASSETS	7, 598, 796	11.3%	15.0%	-3.7%
	FIXED INCOME	12, 897, 087	19.2%	10.0%	9.2%
TOTAL FUND \$ 67, 132, 710 100.0%	CASH & EQUIVALENT	122, 511	0.2%	0.0%	0.2%
	TOTAL FUND	\$ 67, 132, 710	100.0%		

# MANAGER ALLOCATION AND TARGET SUMMARY



Name	Market Value	Percent	Target
PIMCO All Asset (DIV)	\$3,196,275	4.8	5.0
Polen Capital (LCG)	\$6,815,306	10.2	10.0
■ Vanguard R1000 Value (LCV)	\$9,048,350	13.5	15.0
Champlain (MCC)	\$7,131,987	10.6	10.0
■ PIMCO StockPlus SC (SCC)	\$3,026,254	4.5	5.0
☐ Hardman Johnston (INEQ)	\$5,609,539	8.4	10.0
■ PIMCO RAE (EMKT)	\$9,900,560	14.7	15.0
Hamilton CF IV (PREQ)	\$315,982	0.5	0.0
Hamilton MF IX (PREQ)	\$665,109	1.0	1.5
Hamilton SF III (PREQ)	\$699,027	1.0	2.0
Landmark XIV (PREQ)	\$105,927	0.2	1.5
PRISA I (REAL)	\$3,477,382	5.2	5.0
Hancock T&F (TIFA)	\$1,218,782	1.8	5.0
Hancock X (TIMB)	\$721,124	1.1	1.1
Molpus IV (TIMB)	\$883,291	1.3	1.4
UBS AgriVest (FARM)	\$1,298,217	1.9	2.5
☐ PIMCO Total Return (FIXD)	\$12,897,087	19.2	10.0
Comerica Cash (CASH)	\$122,511	0.2	0.0
Total Portfolio	\$67,132,710	100.0	100.0

# CITY OF ALEXANDRIA OPEB TRUST ASSET ALLOCATION



# MANAGER PERFORMANCE SUMMARY

						_	Since	
Name	(Universe)	Quarter	FYTD	1 Year	3 Years	5 Years	12/08 or In	ception
Composite	(Public Fund)	-7.2 (27)	-4.2 (24)	-3.6 (35)	7.6 (3)	5.7 (14)	9.2 (18)	12/08
Manager Shadow	,	-8.9	-6.2	-6.7	6.1	5.0	9.3	
PIMCO All Asset		-3.1	-2.5	-4.1	8.0	3.4	3.5	09/13
60 S&P / 40 Agg		-7.6	-3.3	-2.3	6.5	6.2	7.1	
Polen Capital	(LC Growth)	-12.6 (22)	-3.3 (9)	9.2 (4)	12.5 (13)	14.1 (2)	14.3 (10)	06/11
Russell 1000G		-15.9	-8.2	-1.5	11.1	10.4	12.5	
Vanguard R1000 Value	(LC Value)	-11.7 (28)	-6.6 (35)	-8.2 (48)			7.0 (65)	03/16
Russell 1000V		-11.7	-6.7	-8.3	6.9	5.9	7.0	
Champlain	(MC Core)	-11.7 (7)	-4.3 (5)	4.4 (3)	14.9 (1)	11.1 (1)	16.3 (2)	09/11
Russell Mid	(50.0	-15.4	-11.2	-9.1	7.0	6.3	12.9	00/11
PIMCO StockPlus SC	(SC Core)	-21.2 (82)	-18.4 (84)	-11.6 (60)	9.6 (31)	5.8 (43)	15.1 (22)	09/11
Russell 2000	(Lud En)	<b>-20.2 </b> -11.5 (46)	-17.4	-11.0	<b>7.3</b> 6.8 (34)	4.4	2.1 (20)	09/11
Hardman Johnston  MSCI EAFE	(Intl Eq)	-11.5 (46) -12.5	-14.1 (72) -11.3	-13.3 (32) -13.4	3.4	4.3 (17) <b>1.0</b>	8.1 (30) 6.5	09/11
PIMCO RAE	(Emerging Mkt)	-6.8 (42)	-5.7 (19)	-11.9 (17)	15.5 (2)	4.3 (13)	5.7 (38)	09/11
MSCI Emg Mkts	(Emerging Wikt)	-0.8 (42) -7.4	-8.3	-11.9 (17) -14.2	9.7	2.0	4.1	09/11
Hamilton CF IV		3.9	2.1	-14.2		2.0	-6.0	03/18
S&P Completion		-18.3	-14.7	-9.6	7.4	5.2	<b>-9.7</b>	03/10
Hamilton MF IX		3.5	7.7	13.7	21.7		19.4	06/15
S&P Completion		-18.3	-14.7	-9.6	7.4	5.2	3.9	
Hamilton SF III		1.9	5.0	9.7	11.5	14.3	14.3	12/13
S&P Completion		-18.3	-14.7	-9.6	7.4	5.2	5.2	
Landmark XIV		4.5	6.0	6.9	3.0	3.9	18.3	06/10
S&P Completion		-18.3	-14.7	-9.6	7.4	5.2	12.1	
PRISA I		1.7	4.1	8.5	8.3		10.6	03/14
NCREIF ODCE		1.8	3.9	8.3	8.2	10.4	10.4	
Hancock T&F		4.5	3.7				12.9	03/18
NCREIF Timber		1.0	2.0	3.4	3.2	5.0	2.5	0.440
Hancock X		0.0	0.3	2.6	5.9	5.5	11.2	06/10
NCREIF Timber		1.0	2.0	3.4	3.2	5.0	5.0	00/15
Molpus IV		-2.7	-2.6	-1.9	2.3	 5 0	1.8	09/15
NCREIF Timber		1.0 1.3	2.0 2.3	<b>3.4</b> 5.7	<b>3.2</b> 6.0	5.0	<b>3.5</b> 6.3	03/14
UBS AgriVest NCREIF Farmland		1.3 2.8	4.2	5.7	6.7	8.6	8.5	03/14
PIMCO Total Return	(Core Fixed)	1.5 (41)	1.7 (30)	0.2 (41)	2.9 (16)	3.1 (35)	3.4 (21)	06/11
Aggregate Index	(Cole Pixeu)	1.5 (41) 1.6	1.7 (30) 1.7	0.2 (41)	2.9 (10) 2.1	2.5	2.6	00/11
Aggregue muex		1.0	1./	0.0	2.1	4.3	2.0	

# MANAGER PERFORMANCE SUMMARY - NET OF FEES

Name	Quarter	YTD	1 Year	3 Years	5 Years	Since In	ception
Total Portfolio	-7.3	-4.5	-4.3	6.9	5.0	6.6	09/08
Manager Shadow	-8.9	-6.2	<i>-6.7</i>	6.1	<i>5.0</i>	7.2	09/08
PIMCO All Asset	-3.3	-2.9	-5.0	7.1	2.5	2.6	09/13
60 S&P / 40 Agg	<b>-7.6</b>	<i>-3.3</i>	-2.3	6.5	6.2	<i>7.1</i>	09/13
Polen Capital	-12.7	-3.6	8.6	11.9	13.6	13.7	06/11
Russell 1000G	-15.9	-8.2	-1.5	11.1	10.4	12.5	06/11
Vanguard R1000 Value	-11.7	-6.7	-8.3			6.9	03/16
Russell 1000V	-11.7	-6.7	-8.3	6.9	5.9	<b>7.0</b>	03/16
Champlain	-11.9	-4.7	3.6	13.9	10.2	15.3	09/11
Russell Mid	-15.4	-11.2	<b>-9.1</b>	<b>7.0</b>	6.3	12.9	09/11
PIMCO StockPlus SC	-21.3	-18.7	-12.2	8.9	5.1	14.4	09/11
Russell 2000	-20.2	-17.4	-11.0	<b>7.3</b>	4.4	12.3	09/11
Hardman Johnston	-11.6	-14.4	-13.9	6.2	3.7	7.5	09/11
MSCI EAFE	-12.5	-11.3	-13.4	3.4	1.0	6.5	09/11
PIMCO RAE	-7.0	-6.1	-12.7	14.4	3.5	5.0	09/11
MSCI Emg Mkts	-7.4	-8.3	-14.2	9.7	2.0	4.1	09/11
Hamilton CF IV	2.3	-4.3				-30.5	03/18
S&P Completion	<i>-18.3</i>	-14.7	-9.6	7.4	5.2	<i>-9.7</i>	03/18
Hamilton MF IX	3.0	7.1	12.1	18.7		16.0	06/15
S&P Completion	-18.3	-14.7	-9.6	7.4	5.2	3.9	06/15
Hamilton SF III	1.3	3.7	7.6	9.3	11.7	14.0	09/13
S&P Completion	<i>-18.3</i>	-14.7	-9.6	7.4	5.2	6.6	09/13
Landmark XIV	3.5	3.9	3.1	0.1	1.5	12.8	06/10
S&P Completion	-18.3	-14.7	-9.6	7.4	5.2	12.1	06/10
PRISA I	1.4	3.5	7.4	7.2		9.5	03/14
NCREIF ODCE	1.8	3.9	<i>8.3</i>	<i>8.2</i>	10.4	10.4	03/14
Hancock T&F	4.3	3.1				12.1	03/18
NCREIF Timber	1.0	2.0	3.4	3.2	5.0	2.5	03/18
Hancock X	0.0	0.1	1.9	5.0	4.9	10.0	06/10
NCREIF Timber	1.0	2.0	3.4	3.2	5.0	5.0	06/10
Molpus IV	-2.9	-3.1	-2.9	1.4		0.7	09/15
NCREIF Timber	1.0	2.0	3.4	3.2	5.0	3.5	09/15
UBS AgriVest	1.0	1.7	4.6	4.9		5.3	03/14
NCREIF Farmland	2.8	4.2	<i>6.7</i>	<i>6.7</i>	<b>8.6</b>	8.5	03/14
PIMCO Total Return	1.4	1.5	-0.3	2.5	2.6	2.9	06/11
Aggregate Index	1.6	1.7	0.0	2.1	2.5	2.6	06/11

# MANAGER VALUE ADDED

Portfolio	Benchmark	1 Quarter	1 Year	3 Years	5 Years
PIMCO All Asset	60 S&P / 40 Agg	4.5	<b>-1.8</b>	1.5	-2.8
Polen Capital	Russell 1000G	3.3	10.7	1.4	3.7
Vanguard R1000 Value	Russell 1000V	0.0	0.1	N/A	N/A
Champlain	Russell Mid	3.7	13.5	7.9	4.8
PIMCO StockPlus SC	Russell 2000	-1.0	-0.6	2.3	1.4
Hardman Johnston	MSCI EAFE	1.0	0.1	3.4	3.3
PIMCO RAE	MSCI Emg Mkts	0.6	2.3	5.8	2.3
Hamilton CF IV	S&P Completion	22.2	N/A	N/A	N/A
Hamilton MF IX	S&P Completion	21.8	23.3	14.3	N/A
Hamilton SF III	S&P Completion	20.2	19.3	4.1	9.1
Landmark XIV	S&P Completion	22.8	16.5	-4.4	-1.3
PRISA I	NCREIF ODCE	-0.1	0.2	0.1	N/A
Hancock T&F	NCREIF Timber	3.5	N/A	N/A	N/A
Hancock X	NCREIF Timber	-1.0	▮ -0.8	2.7	0.5
Molpus IV	NCREIF Timber	-3.7	-5.3	-0.9	N/A
UBS AgriVest	NCREIF Farmland	<b>-1.5</b>	<b>I</b> -1.0	<b>I</b> -0.7	N/A
PIMCO Total Return	Aggregate Index	-0.1	0.2	0.8	0.6
Total Portfolio	Manager Shadow	1.7	3.1	1.5	0.7

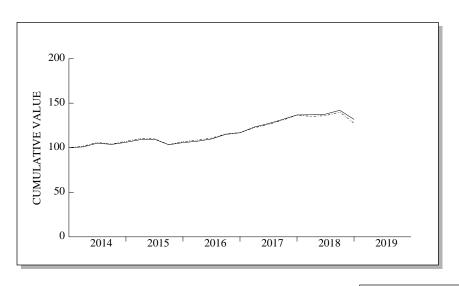
# MANAGER RISK STATISTICS SUMMARY - FIVE-YEAR HISTORY

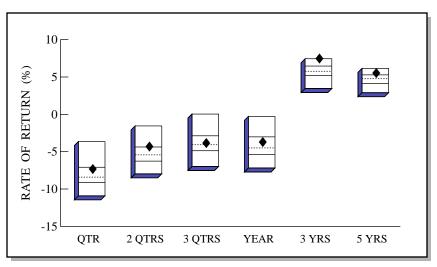
Name	Alpha	Batting Average	Sharpe Ratio	Information Ratio	Up Capture	Down Capture
PIMCO All Asset	-1.01	0.500	0.43	-0.49	63.6	89.7
60 S&P / 40 Agg						
Polen Capital	5.28	0.600	1.35	0.75	109.5	57.7
Russell 1000G						
Champlain	5.59	0.700	1.12	1.22	119.2	60.4
Russell Mid						
PIMCO StockPlus SC	1.08	0.800	0.41	0.78	120.0	109.6
Russell 2000						
Hardman Johnston	3.40	0.750	0.36	0.70	116.7	79.3
MSCI EAFE						
PIMCO RAE	2.49	0.600	0.32	0.39	106.8	86.3
MSCI Emg Mkts						
Hamilton SF III	14.08	0.500	2.59	0.66	78.4	
S&P Completion						
Landmark XIV	5.26	0.300	0.60	-0.13	6.6	
S&P Completion						
Hancock X	2.83	0.600	1.06	0.13	100.4	
NCREIF Timber						
PIMCO Total Return	0.94	0.600	0.90	0.41	103.1	71.9
Aggregate Index						

# INVESTMENT RETURN SUMMARY - ONE QUARTER

	Quarter Total	Market Value	Net	Net Investment	Market Value
Name	Return	September 30th, 2018	Cashflow	Return	December 31st, 2018
PIMCO All Asset (DIV)	-3.1	3,304,585	0	-108,310	3,196,275
Polen Capital (LCG)	-12.6	7,826,768	-30,644	-980,818	6,815,306
Vanguard R1000 Value (LCV)	-11.7	10,247,556	0	-1,199,206	9,048,350
Champlain (MCC)	-11.7	8,096,778	0	-964,791	7,131,987
PIMCO StockPlus SC (SCC)	-21.2	3,846,841	0	-820,587	3,026,254
Hardman Johnston (INEQ)	-11.5	6,464,991	-195,233	-660,219	5,609,539
PIMCO RAE (EMKT)	-6.8	10,647,509	0	-746,949	9,900,560
Hamilton CF IV (PREQ)	3.9	125,035	184,556	6,391	315,982
Hamilton MF IX (PREQ)	3.5	635,569	10,562	18,978	665,109
Hamilton SF III (PREQ)	1.9	721,228	-31,485	9,284	699,027
Landmark XIV (PREQ)	4.5	118,934	-16,740	3,733	105,927
PRISA I (REAL)	1.7	1,899,546	1,545,354	32,482	3,477,382
Hancock T&F (TIFA)	4.5	1,176,871	-8,625	50,536	1,218,782
Hancock X (TIMB)	0.0	729,266	-8,142	0	721,124
Molpus IV (TIMB)	-2.7	909,883	0	-26,592	883,291
UBS AgriVest (FARM)	1.3	1,285,047	-3,208	16,378	1,298,217
PIMCO Total Return (FIXD)	1.5	12,720,648	0	176,439	12,897,087
Comerica Cash (CASH)		82,218	39,397	896	122,511
Total Portfolio	-7.2	70,839,273	1,485,792	-5,192,355	67,132,710

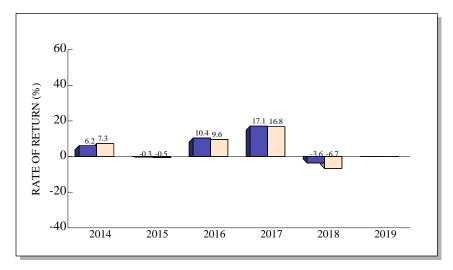
# TOTAL RETURN COMPARISONS





Public Fund Universe



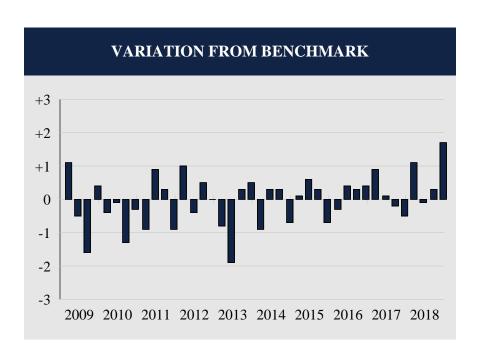


					ANNUA	ALIZED
	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	-7.2	-4.2	-3.8	-3.6	7.6	5.7
(RANK)	(27)	(24)	(44)	(35)	(3)	(14)
5TH %ILE	-3.7	-1.6	0.0	-0.3	7.5	6.1
25TH %ILE	-7.1	-4.4	-2.9	-3.0	6.5	5.3
MEDIAN	-8.4	-5.4	-4.1	-4.5	5.8	4.8
75TH %ILE	-9.2	-6.3	-4.9	-5.4	5.2	4.1
95TH %ILE	-10.9	-8.0	-7.0	-7.2	3.5	2.9
Shadow Idx	-8.9	-6.2	-5.7	-6.7	6.1	5.0

Public Fund Universe

# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY - 10 YEARS

# COMPARATIVE BENCHMARK: MANAGER SHADOW INDEX



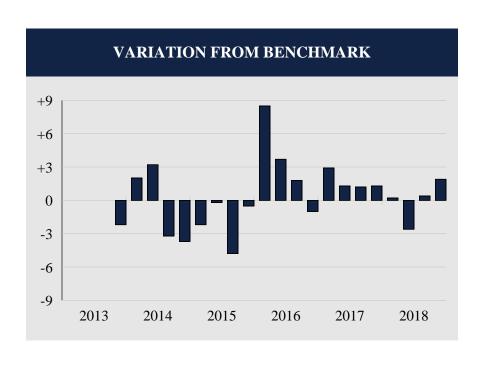
Total Quarters Observed	40
Quarters At or Above the Benchmark	22
<b>Quarters Below the Benchmark</b>	18
Batting Average	.550

RATES OF RETURN							
				Cur	nulative		
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff	
3/09	-7.7	-8.8	1.1	-7.7	-8.8	1.1	
6/09	14.8	15.3	-0.5	6.0	5.2	0.8	
9/09	13.7	15.3	-1.6	20.5	21.3	-0.8	
12/09	4.1	3.7	0.4	25.5	25.7	-0.2	
3/10	2.6	3.0	-0.4	28.7	29.5	-0.8	
6/10	-8.9	-8.8	-0.1	17.3	18.1	-0.8	
9/10	9.4	10.7	-1.3	28.3	30.7	-2.4	
12/10	6.2	6.5	-0.3	36.3	39.1	-2.8	
3/11	3.5	4.4	-0.9	41.0	45.3	-4.3	
6/11	1.5	0.6	0.9	43.1	46.3	-3.2	
9/11	-12.1	-12.4	0.3	25.8	28.1	-2.3	
12/11	7.1	8.0	-0.9	34.7	38.3	-3.6	
3/12	10.8	9.8	1.0	49.2	51.8	-2.6	
6/12	-3.3	-2.9	-0.4	44.2	47.3	-3.1	
9/12	5.6	5.1	0.5	52.3	54.9	-2.6	
12/12	2.2	2.2	0.0	55.6	58.4	-2.8	
3/13	6.2	7.0	-0.8	65.3	69.5	-4.2	
6/13	-1.8	0.1	-1.9	62.3	69.7	-7.4	
9/13	6.4	6.1	0.3	72.7	79.9	-7.2	
12/13	6.3	5.8	0.5	83.5	90.4	-6.9	
3/14	1.0	1.9	-0.9	85.3	94.1	-8.8	
6/14	4.2	3.9	0.3	93.0	101.6	-8.6	
9/14	-1.3	-1.6	0.3	90.5	98.5	-8.0	
12/14	2.3	3.0	-0.7	94.8	104.3	-9.5	
3/15	2.8	2.7	0.1	100.2	109.8	-9.6	
6/15	0.5	-0.1	0.6	101.1	109.6	-8.5	
9/15	-5.7	-6.0	0.3	89.7	97.0	-7.3	
12/15	2.4	3.1	-0.7	94.2	103.2	-9.0	
3/16	1.4	1.7	-0.3	96.9	106.8	-9.9	
6/16	2.4	2.0	0.4	101.7	110.9	-9.2	
9/16	4.7	4.4	0.3	111.1	120.1	-9.0	
12/16	1.6	1.2	0.4	114.4	122.8	-8.4	
3/17	5.5	4.6	0.9	126.1	133.0	-6.9	
6/17	3.2	3.1	0.1	133.2	140.2	-7.0	
9/17	3.7	3.9	-0.2	142.0	149.6	-7.6	
12/17	3.8	4.3	-0.5	151.1	160.2	-9.1	
3/18	0.1	-1.0	1.1	151.4	157.6	-6.2	
6/18	0.5	0.6	-0.1	152.6	159.0	-6.4	
9/18	3.2	2.9	0.3	160.7	166.6	-5.9	
12/18	-7.2	-8.9	1.7	142.0	142.9	-0.9	

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# DIVERSIFIED ASSETS QUARTERLY PERFORMANCE SUMMARY

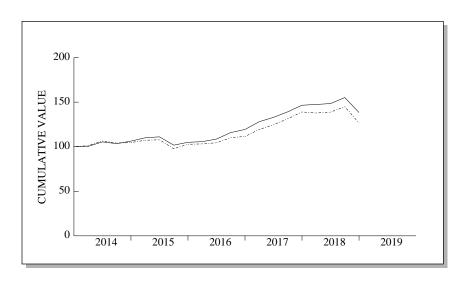
COMPARATIVE BENCHMARK: HFRI FOF COMPOSITE

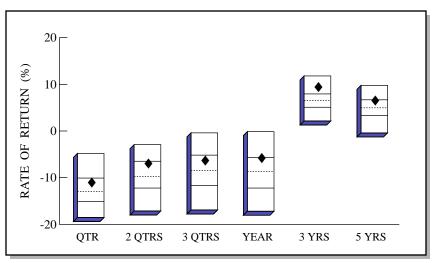


<b>Total Quarters Observed</b>	21
Quarters At or Above the Benchmark	12
<b>Quarters Below the Benchmark</b>	9
Batting Average	.571

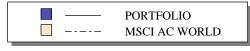
RATES OF RETURN						
				Cur	nulative-	
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff
12/13	1.5	3.7	-2.2	1.5	3.7	-2.2
3/14	2.6	0.6	2.0	4.1	4.3	-0.2
6/14	4.7	1.5	3.2	9.0	5.9	3.1
9/14	-2.9	0.3	-3.2	5.9	6.2	-0.3
12/14	-2.7	1.0	-3.7	3.1	7.2	-4.1
3/15	0.3	2.5	-2.2	3.4	9.8	-6.4
6/15	0.0	0.2	-0.2	3.4	10.1	-6.7
9/15	-8.4	-3.6	-4.8	-5.2	6.1	-11.3
12/15	0.2	0.7	-0.5	-5.0	6.9	-11.9
3/16	5.4	-3.1	8.5	0.1	3.5	-3.4
6/16	4.3	0.6	3.7	4.4	4.1	0.3
9/16	4.1	2.3	1.8	8.7	6.5	2.2
12/16	-0.1	0.9	-1.0	8.6	7.4	1.2
3/17	5.3	2.4	2.9	14.4	9.9	4.5
6/17	2.1	0.8	1.3	16.8	10.8	6.0
9/17	3.5	2.3	1.2	20.9	13.4	7.5
12/17	3.4	2.1	1.3	25.0	15.7	9.3
3/18	0.5	0.3	0.2	25.5	16.0	9.5
6/18	-2.1	0.5	-2.6	22.8	16.6	6.2
9/18	0.6	0.2	0.4	23.5	16.9	6.6
12/18	-3.1	-5.0	1.9	19.8	11.0	8.8

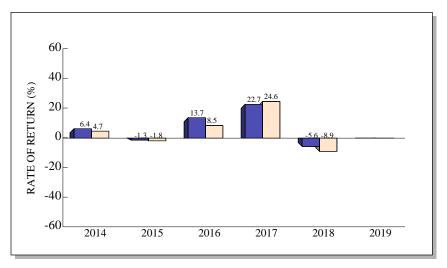
# **EQUITY RETURN COMPARISONS**





Global Equity Universe



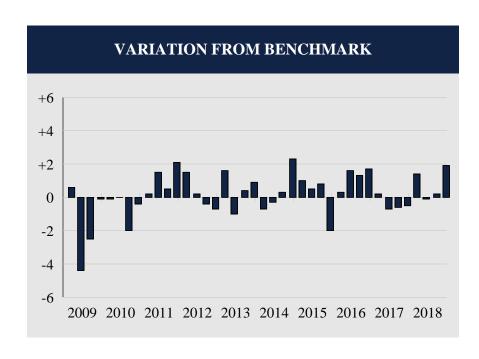


					ANNU <i>A</i>	ALIZED
	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	-10.8	-6.8	-6.2	-5.6	9.6	6.7
(RANK)	(29)	(28)	(33)	(24)	(12)	(25)
5TH %ILE	-4.8	-2.9	-0.4	-0.1	11.8	9.8
25TH %ILE	-10.1	-6.5	-5.2	-5.7	7.9	6.7
MEDIAN	-13.0	-9.7	-8.5	-8.7	6.6	5.0
75TH %ILE	-15.2	-12.2	-11.7	-12.2	5.1	3.4
95TH %ILE	-18.5	-17.1	-16.9	-17.2	2.1	-0.4
MSCI World	-12.7	-8.8	-8.2	-8.9	7.2	4.8

Global Equity Universe

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

# COMPARATIVE BENCHMARK: MSCI ALL COUNTRY WORLD

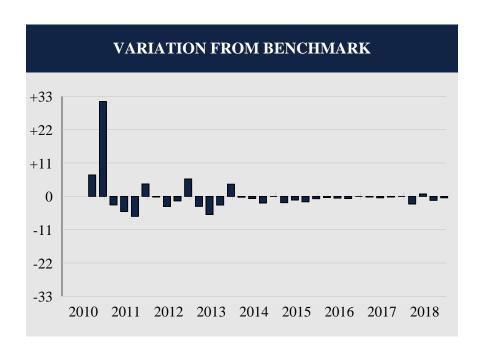


<b>Total Quarters Observed</b>	40
Quarters At or Above the Benchmark	24
<b>Quarters Below the Benchmark</b>	16
<b>Batting Average</b>	.600

	RATES OF RETURN							
				Cur	nulative			
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff		
3/09	-10.0	-10.6	0.6	-10.0	-10.6	0.6		
6/09	18.1	22.5	-4.4	6.3	9.6	-3.3		
9/09	15.5	18.0	-2.5	22.7	29.3	-6.6		
12/09	4.6	4.7	-0.1	28.3	35.4	-7.1		
3/10	3.1	3.2	-0.1	32.3	39.8	-7.5		
6/10	-12.0	-12.0	0.0	16.4	23.1	-6.7		
9/10	12.5	14.5	-2.0	30.9	40.9	-10.0		
12/10	8.4	8.8	-0.4	41.9	53.3	-11.4		
3/11	4.7	4.5	0.2	48.6	60.2	-11.6		
6/11	1.9	0.4	1.5	51.3	60.9	-9.6		
9/11	-16.8	-17.3	0.5	26.0	33.0	-7.0		
12/11	9.4	7.3	2.1	37.9	42.8	-4.9		
3/12	13.5	12.0	1.5	56.4	59.9	-3.5		
6/12	-5.2	-5.4	0.2	48.3	51.3	-3.0		
9/12	6.6	7.0	-0.4	58.1	61.8	-3.7		
12/12	2.3	3.0	-0.7	61.7	66.7	-5.0		
3/13	8.2	6.6	1.6	75.0	77.8	-2.8		
6/13	-1.2	-0.2	-1.0	72.9	77.4	-4.5		
9/13	8.4	8.0	0.4	87.4	91.6	-4.2		
12/13	8.3	7.4	0.9	103.0	105.8	-2.8		
3/14	0.5	1.2	-0.7	104.0	108.3	-4.3		
6/14	4.9	5.2	-0.3	114.0	119.2	-5.2		
9/14	-1.9	-2.2	0.3	110.0	114.4	-4.4		
12/14	2.8	0.5	2.3	115.9	115.5	0.4		
3/15	3.4	2.4	1.0	123.4	120.7	2.7		
6/15	1.0	0.5	0.5	125.7	121.9	3.8		
9/15	-8.5	-9.3	0.8	106.6	101.2	5.4		
12/15	3.2	5.2	-2.0	113.2	111.5	1.7		
3/16	0.7	0.4	0.3	114.6	112.4	2.2		
6/16	2.8	1.2	1.6	120.6	114.9	5.7		
9/16	6.7	5.4	1.3	135.3	126.6	8.7		
12/16	3.0	1.3	1.7	142.5	129.5	13.0		
3/17	7.3	7.1	0.2	160.1	145.7	14.4		
6/17	3.8	4.5	-0.7	170.1	156.7	13.4		
9/17	4.7	5.3	-0.6	182.7	170.3	12.4		
12/17	5.3	5.8	-0.5	197.6	186.1	11.5		
3/18	0.6	-0.8	1.4	199.5	183.7	15.8		
6/18	0.6	0.7	-0.1	201.4	185.7	15.7		
9/18	4.6	4.4	0.2	215.2	198.3	16.9		
12/18	-10.8	-12.7	1.9	181.0	160.5	20.5		

# REAL ASSETS QUARTERLY PERFORMANCE SUMMARY

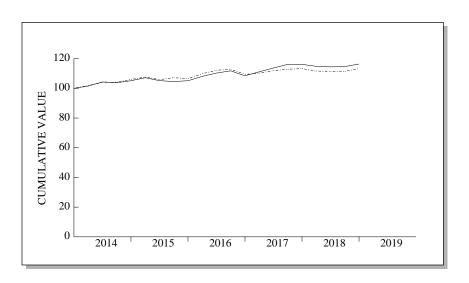
# COMPARATIVE BENCHMARK: NCREIF NFI-ODCE INDEX

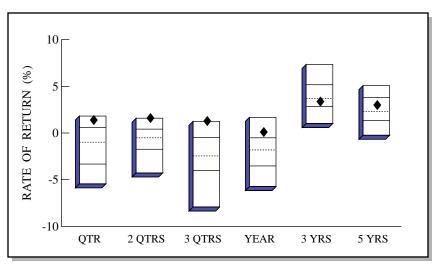


<b>Total Quarters Observed</b>	34
Quarters At or Above the Benchmark	9
<b>Quarters Below the Benchmark</b>	25
Batting Average	.265

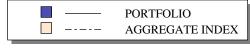
RATES OF RETURN							
				Cur	nulative		
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff	
9/10	12.5	5.4	7.1	12.5	5.4	7.1	
12/10	36.3	5.0	31.3	53.3	10.7	42.6	
3/11	1.2	4.0	-2.8	55.1	15.2	39.9	
6/11	-0.4	4.6	-5.0	54.5	20.5	34.0	
9/11	-3.1	3.5	-6.6	49.7	24.7	25.0	
12/11	7.1	3.0	4.1	60.4	28.4	32.0	
3/12	2.6	2.8	-0.2	64.6	32.0	32.6	
6/12	-0.9	2.5	-3.4	63.1	35.4	27.7	
9/12	1.3	2.8	-1.5	65.2	39.1	26.1	
12/12	8.0	2.3	5.7	78.4	42.4	36.0	
3/13	-0.6	2.7	-3.3	77.4	46.2	31.2	
6/13	-2.1	3.9	-6.0	73.6	51.9	21.7	
9/13	0.7	3.6	-2.9	74.8	57.3	17.5	
12/13	7.2	3.2	4.0	87.4	62.3	25.1	
3/14	2.2	2.5	-0.3	91.6	66.4	25.2	
6/14	2.2	2.9	-0.7	95.9	71.2	24.7	
9/14	1.0	3.2	-2.2	97.9	76.8	21.1	
12/14	3.3	3.3	0.0	104.5	82.5	22.0	
3/15	1.3	3.4	-2.1	107.2	88.7	18.5	
6/15	2.6	3.8	-1.2	112.6	95.9	16.7	
9/15	1.9	3.7	-1.8	116.6	103.1	13.5	
12/15	2.5	3.3	-0.8	122.0	109.9	12.1	
3/16	1.8	2.2	-0.4	125.9	114.5	11.4	
6/16	1.5	2.1	-0.6	129.2	119.1	10.1	
9/16	1.4	2.1	-0.7	132.5	123.6	8.9	
12/16	2.1	2.1	0.0	137.3	128.3	9.0	
3/17	1.6	1.8	-0.2	141.1	132.3	8.8	
6/17	1.2	1.7	-0.5	144.1	136.3	7.8	
9/17	1.7	1.9	-0.2	148.2	140.7	7.5	
12/17	2.1	2.1	0.0	153.4	145.7	7.7	
3/18	-0.3	2.2	-2.5	152.6	151.1	1.5	
6/18	2.8	2.0	0.8	159.6	156.3	3.3	
9/18	0.8	2.1	-1.3	161.8	161.6	0.2	
12/18	1.3	1.8	-0.5	165.1	166.2	-1.1	

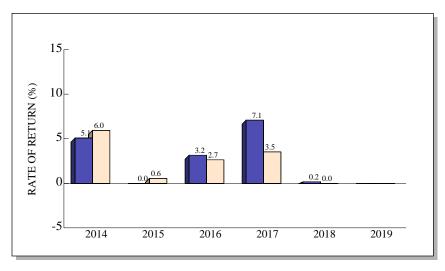
# FIXED INCOME RETURN COMPARISONS





Global Fixed Income Universe



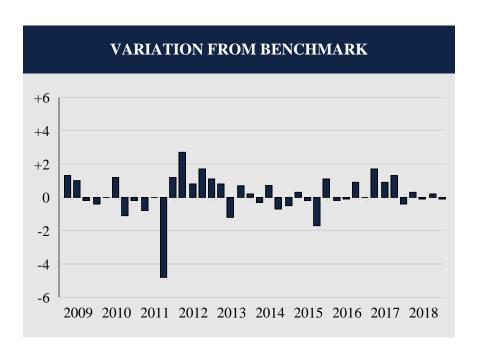


					ANNUA	LIZED
	_QTR	2 QTRS	3 QTRS	YEAR_	3 YRS	5 YRS
RETURN	1.5	1.7	1.4	0.2	3.5	3.1
(RANK)	(9)	(5)	(3)	(21)	(59)	(40)
5TH %ILE	1.8	1.6	1.2	1.7	7.3	5.1
25TH %ILE	0.6	0.4	-0.5	-0.5	5.2	3.8
MEDIAN	-1.0	-0.5	-2.5	-1.8	3.7	2.3
75TH %ILE	-3.3	-1.7	-4.0	-3.5	2.9	1.4
95TH %ILE	-5.5	-4.3	-7.9	-5.7	1.0	-0.3
Agg	1.6	1.7	1.5	0.0	2.1	2.5

Global Fixed Income Universe

# FIXED INCOME QUARTERLY PERFORMANCE SUMMARY - 10 YEARS

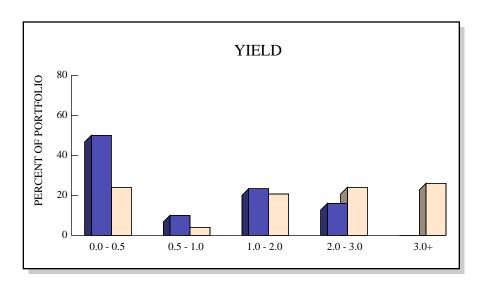
# COMPARATIVE BENCHMARK: BLOOMBERG BARCLAYS AGGREGATE INDEX

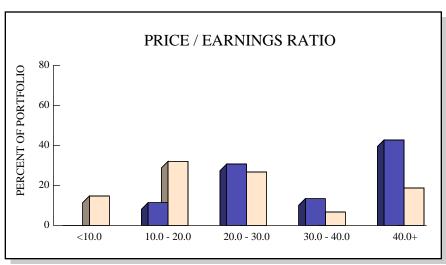


<b>Total Quarters Observed</b>	40
Quarters At or Above the Benchmark	23
<b>Quarters Below the Benchmark</b>	17
Batting Average	.575

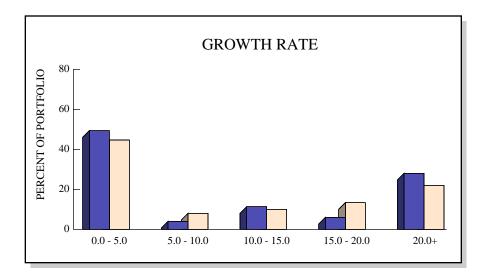
RATES OF RETURN						
				Cur	nulative	
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff
3/09	1.4	0.1	1.3	1.4	0.1	1.3
6/09	2.8	1.8	1.0	4.2	1.9	2.3
9/09	3.5	3.7	-0.2	7.9	5.7	2.2
12/09	-0.2	0.2	-0.4	7.6	5.9	1.7
3/10	1.8	1.8	0.0	9.5	7.8	1.7
6/10	4.7	3.5	1.2	14.6	11.6	3.0
9/10	1.4	2.5	-1.1	16.2	14.4	1.8
12/10	-1.5	-1.3	-0.2	14.4	12.9	1.5
3/11	-0.4	0.4	-0.8	13.9	13.4	0.5
6/11	2.3	2.3	0.0	16.6	16.0	0.6
9/11	-1.0	3.8	-4.8	15.5	20.4	-4.9
12/11	2.3	1.1	1.2	18.2	21.8	-3.6
3/12	3.0	0.3	2.7	21.7	22.1	-0.4
6/12	2.9	2.1	0.8	25.2	24.6	0.6
9/12	3.3	1.6	1.7	29.3	26.6	2.7
12/12	1.3	0.2	1.1	31.0	26.9	4.1
3/13	0.7	-0.1	0.8	31.9	26.7	5.2
6/13	-3.5	-2.3	-1.2	27.3	23.8	3.5
9/13	1.3	0.6	0.7	28.9	24.5	4.4
12/13	0.1	-0.1	0.2	29.0	24.3	4.7
3/14	1.5	1.8	-0.3	31.0	26.6	4.4
6/14	2.7	2.0	0.7	34.6	29.2	5.4
9/14	-0.5	0.2	-0.7	33.9	29.4	4.5
12/14	1.3	1.8	-0.5	35.6	31.7	3.9
3/15	1.9	1.6	0.3	38.3	33.9	4.4
6/15	-1.9	-1.7	-0.2	35.7	31.6	4.1
9/15	-0.5	1.2	-1.7	35.0	33.2	1.8
12/15	0.5	-0.6	1.1	35.6	32.5	3.1
3/16	2.8	3.0	-0.2	39.4	36.5	2.9
6/16	2.1	2.2	-0.1	42.3	39.6	2.7
9/16	1.4	0.5	0.9	44.3	40.2	4.1
12/16	-3.0	-3.0	0.0	39.9	36.0	3.9
3/17	2.5	0.8	1.7	43.4	37.1	6.3
6/17	2.3	1.4	0.9	46.7	39.1	7.6
9/17	2.1	0.8	1.3	49.9	40.3	9.6
12/17	0.0	0.4	-0.4	49.9	40.8	9.1
3/18	-1.2	-1.5	0.3	48.2	38.8	9.4
6/18	-0.3	-0.2	-0.1	47.7	38.6	9.1
9/18	0.2	0.0	0.2	48.0	38.6	9.4
12/18	1.5	1.6	-0.1	50.2	40.9	9.3

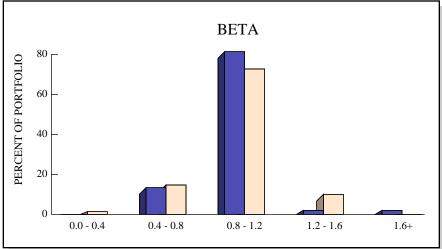
# STOCK CHARACTERISTICS



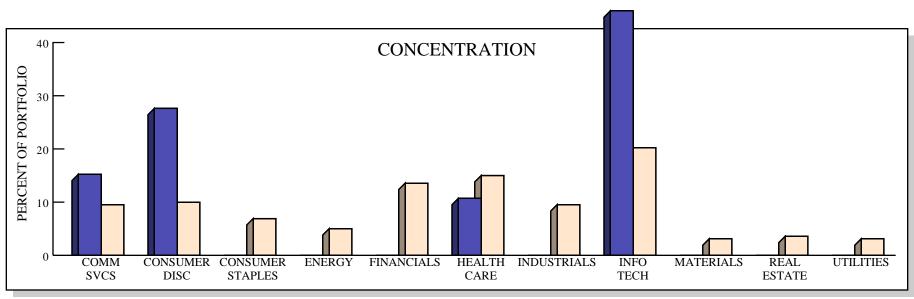


	# HOLDINGS	YIELD	GROWTH	P/E	BETA	
PORTFOLIO	21	0.8%	11.2%	37.2	1.03	
RUSSELL 1000	983	2.1%	9.6%	24.3	0.98	

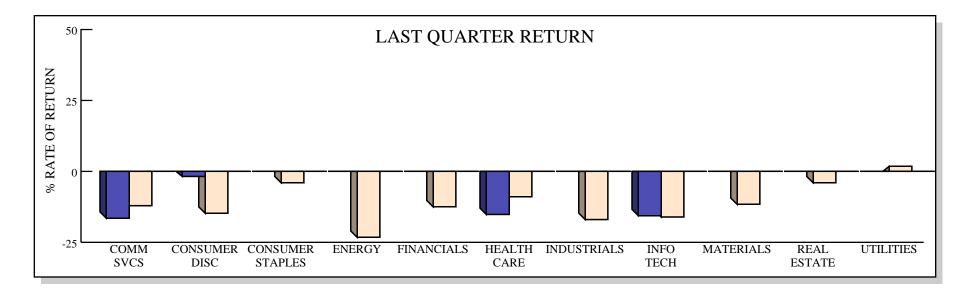




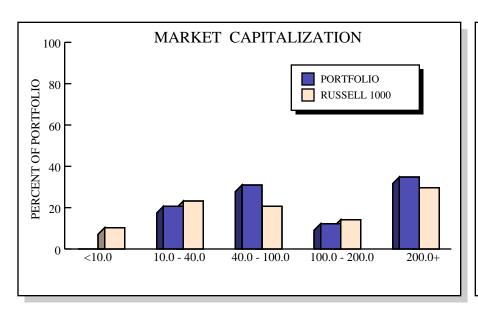
# STOCK INDUSTRY ANALYSIS

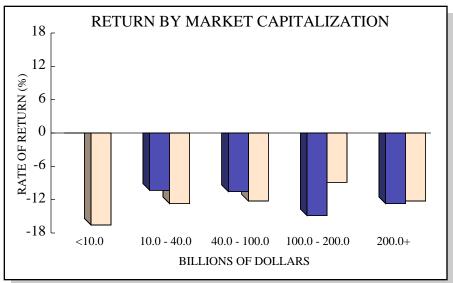


■ PORTFOLIO ■ RUSSELL 1000



# **TOP TEN HOLDINGS**





# TOP TEN EQUITY HOLDINGS

RANK	NAME	VALUE	% EQUITY	RETURN	INDUSTRY SECTOR	MKT CAP
1	MICROSOFT CORP	\$ 605,357	9.17%	-10.8%	Information Technology	\$ 785.0 B
2	VISA INC-CLASS A SHARES	476,303	7.22%	-11.9%	Information Technology	231.9 B
3	ALPHABET INC-CL C	433,921	6.57%	-13.2%	Communication Services	362.1 B
4	O'REILLY AUTOMOTIVE INC	411,819	6.24%	-0.9%	Consumer Discretionary	27.6 B
5	FACEBOOK INC-CLASS A	409,001	6.20%	-20.3%	Communication Services	314.9 B
6	AUTOMATIC DATA PROCESSING	403,850	6.12%	-12.5%	Information Technology	57.4 B
7	ADOBE INC	389,133	5.90%	-16.2%	Information Technology	110.4 B
8	NIKE INC -CL B	351,127	5.32%	-12.2%	Consumer Discretionary	94.4 B
9	STARBUCKS CORP	342,994	5.20%	13.9%	Consumer Discretionary	79.9 B
10	ZOETIS INC	334,205	5.06%	-6.4%	Health Care	41.1 B

# **APPENDIX - MAJOR MARKET INDEX RETURNS**

Equity	Style	QTR	FYTD	1 Year	3 years	5 Years
Russell 3000	Broad Equity	-14.3	-8.2	-5.2	9.0	7.9
S&P 500	Large Cap Core	-13.5	-6.9	-4.4	9.3	8.5
Russell 1000	Large Cap Core	-13.8	-7.4	-4.8	9.1	8.2
Russell 1000 Growth	Large Cap Growth	-15.9	-8.2	-1.5	11.1	10.4
Russell 1000 Value	Large Cap Value	-11.7	-6.7	-8.3	6.9	5.9
Russell 2000	Small Cap	-20.2	-17.4	-11.0	7.3	4.4
Russell 2000 Growth	Small Cap Growth	-21.7	-17.3	-9.3	7.2	5.1
Russell 2000 Value	Small Cap Value	-18.7	-17.4	-12.9	7.4	3.6
MSCI EAFE	Developed Markets	-12.5	-11.3	-13.4	3.4	1.0
MSCI EAFE Growth	Developed Markets Growth	-13.3	-11.9	-12.5	3.3	2.0
MSCI EAFE Value	Developed Markets Value	-11.6	-10.5	-14.3	3.4	-0.1
MSCI Emerging Markets	Emerging Markets	-7.4	-8.3	-14.2	9.7	2.0
MSCI All Country World	Global Equity	-12.7	-8.8	-8.9	7.2	4.8
MSCI All Country World Ex US	Global Equity (ex. US)	-11.4	-10.7	-13.8	5.0	1.1
Fixed Income	Style	QTR	FYTD	1 Year	3 years	5 Years
Bloomberg Barclays Aggregate Index	Core Fixed Income	1.6	1.7	0.0	2.1	2.5
Bloomberg Barclays Gov/Credit	Gov/Credit	1.5	1.5	-0.4	2.2	2.5
Bloomberg Barclays Capital Gov't Bond	Treasuries	2.5	2.0	0.9	1.4	2.0
Bloomberg Barclays Capital Credit Bond	Corporate Bonds	0.0	0.9	-2.1	3.2	3.2
Intermediate Aggregate	Core Intermediate	1.8	1.9	0.9	1.7	2.1
Intermediate Gov/Credit	Gov / Credit Intermediate	1.7	1.9	0.9	1.7	1.9
ML/BoA 1-3 Year Treasury	<b>Short Term Treasuries</b>	1.3	1.5	1.6	1.0	0.8
Bloomberg Barclays Capital High Yield	High Yield Bonds	-4.5	-2.2	-2.1	7.2	3.8
Bloomberg Barclays Global Treasury Ex US	International Treasuries	1.9	-0.3	-0.9	3.3	0.4
Citi World Gov't Bond Index	International Fixed Income					
Bloomberg Barclays Global Aggregate	International Fixed Income	1.2	0.3	-1.2	2.7	1.1
Bloomberg Barclays Global Aggregate Ex US	International Fixed Income	0.9	-0.8	-2.1	3.2	0.0
Alternative Assets	Style	QTR	FYTD	1 Year	3 years	5 Years
MSCI US REIT Index	REITs	-6.7	-5.7	-4.6	2.9	7.8
	Real Estate	1.8	3.9	8.3	8.2	10.4
NCREIF NFI-ODCE Index		1.0				
NCREIF NFI-ODCE Index NCREIF Timber Index		1.0	2.0	3 4	3.2	5.0
NCREIF NFI-ODCE Index NCREIF Timber Index Bloomberg Commodity Index	Timber Commodities	1.0 -9.4	2.0 -11.2	3.4 -11.2	3.2 0.3	5.0 -8.8

# **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:

Diversified Assets HFRI FOF Composite
Equity MSCI All Country World
Real Assets NCREIF NFI-ODCE Index

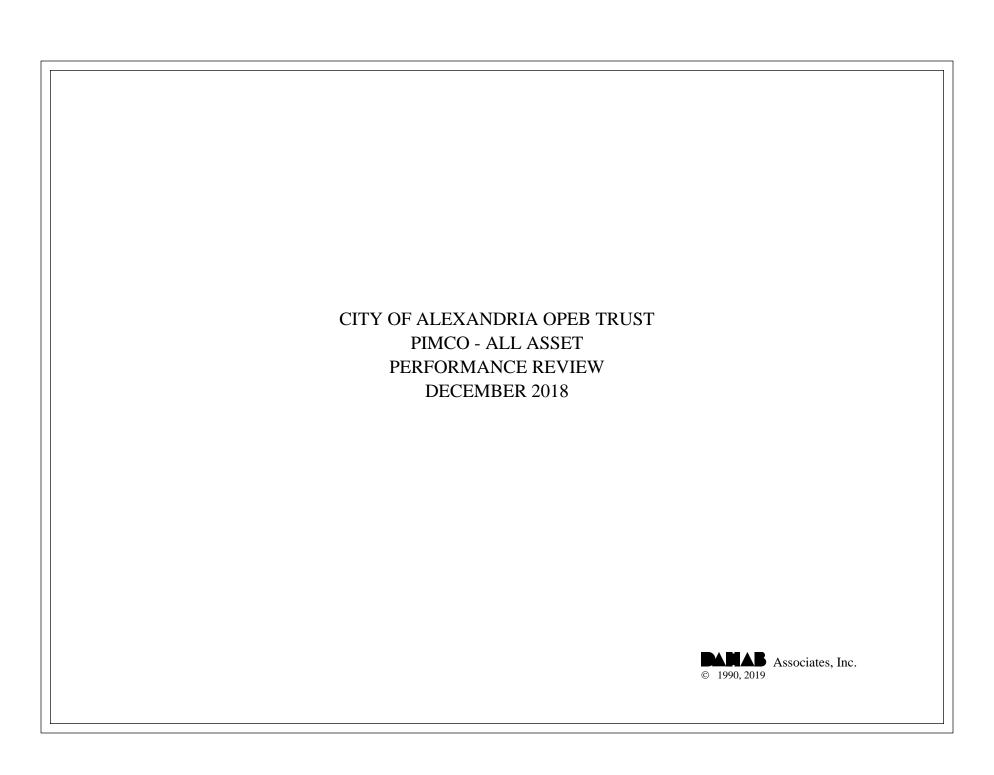
Fixed Income Bloomberg Barclays Aggregate Index

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.

# A note on our industry sector classifications:

Beginning with our December 2018 reports, we have changed the classification of industry sectors in our equity analysis. We believe the current system better reflects the segments of the equity market at this time. The current system differs from our previous system in a few distinct ways. Previously, Health Care had been disaggregated by its various components such as medical devices, health services, and pharmaceuticals into other sectors. Real Estate had been part of the Financials sector, but is now a standalone category. Durable Goods and Non-Durable goods were replaced by Discretionary and Staples. As always, we calculate sector returns for equity portfolios and their benchmarks using the same methodology in order to present a fair comparison.



# **INVESTMENT RETURN**

On December 31st, 2018, the City of Alexandria OPEB Trust's PIMCO All Asset portfolio was valued at \$3,196,275, a decrease of \$108,310 from the September ending value of \$3,304,585. Last quarter, the account recorded no net contributions or withdrawals, while recording a net investment loss for the quarter of \$108,310. Net investment loss was composed of income receipts totaling \$94,873 and \$203,183 in net realized and unrealized capital losses.

### **RELATIVE PERFORMANCE**

### **Total Fund**

For the fourth quarter, the PIMCO All Asset account lost 3.1%, which was 4.5% above the 60% S&P 500 / 40% Aggregate Index's return of -7.6%. Over the trailing year, the account returned -4.1%, which was 1.8% below the benchmark's -2.3% performance. Since September 2013, the portfolio returned 3.5% on an annualized basis, while the 60% S&P 500 / 40% Aggregate Index returned an annualized 7.1% over the same period.

# **EXECUTIVE SUMMARY**

PERFORMANCE SUMMARY								
	Quarter	FYTD	YTD /1Y	3 Year	5 Year	Since 09/13		
Total Portfolio - Gross	-3.1	-2.5	-4.1	8.0	3.4	3.5		
Total Portfolio - Net	-3.3	-2.9	-5.0	7.1	2.5	2.6		
60 S&P / 40 Agg	-7.6	-3.3	-2.3	6.5	6.2	7.1		
<b>Diversified Assets - Gross</b>	-3.1	-2.5	-4.1	8.0	3.4	3.5		
60 S&P / 40 Agg	-7.6	-3.3	-2.3	6.5	6.2	7.1		

ASSET ALLOCATION							
Diversified	100.0%	\$ 3,196,275					
Total Portfolio	100.0%	\$ 3,196,275					

# INVESTMENT RETURN

 Market Value 9/2018
 \$ 3,304,585

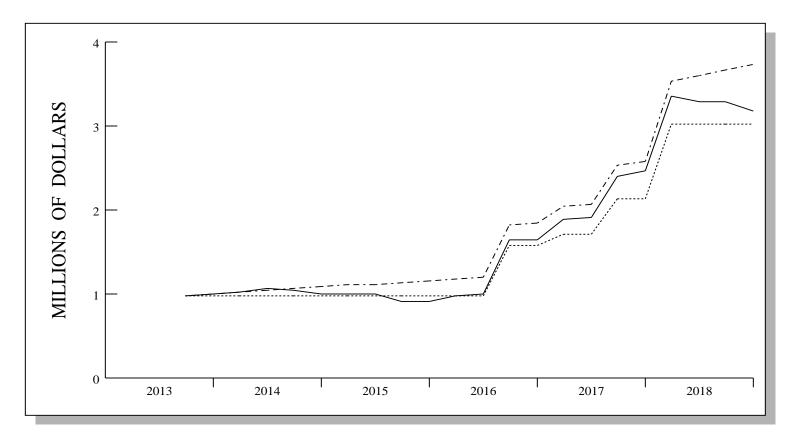
 Contribs / Withdrawals
 0

 Income
 94,873

 Capital Gains / Losses
 -203,183

 Market Value 12/2018
 \$ 3,196,275

# **INVESTMENT GROWTH**

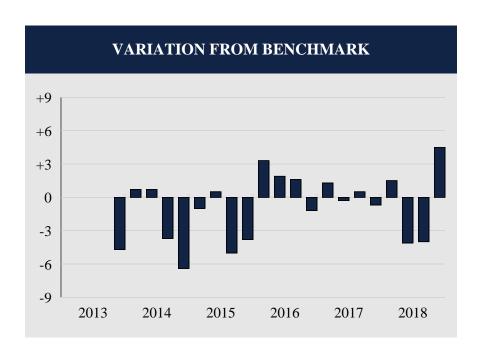


VALUE ASSUMING
7.5% RETURN \$ 3,740,711

	LAST QUARTER	PERIOD 9/13 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	$\begin{array}{c} \$ \ 3,304,585 \\ 0 \\ \hline -108,310 \\ \$ \ 3,196,275 \end{array}$	\$ 998,367 2,041,000 156,908 \$ 3,196,275
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	94,873 -203,183 -108,310	429,615 -272,707 156,908

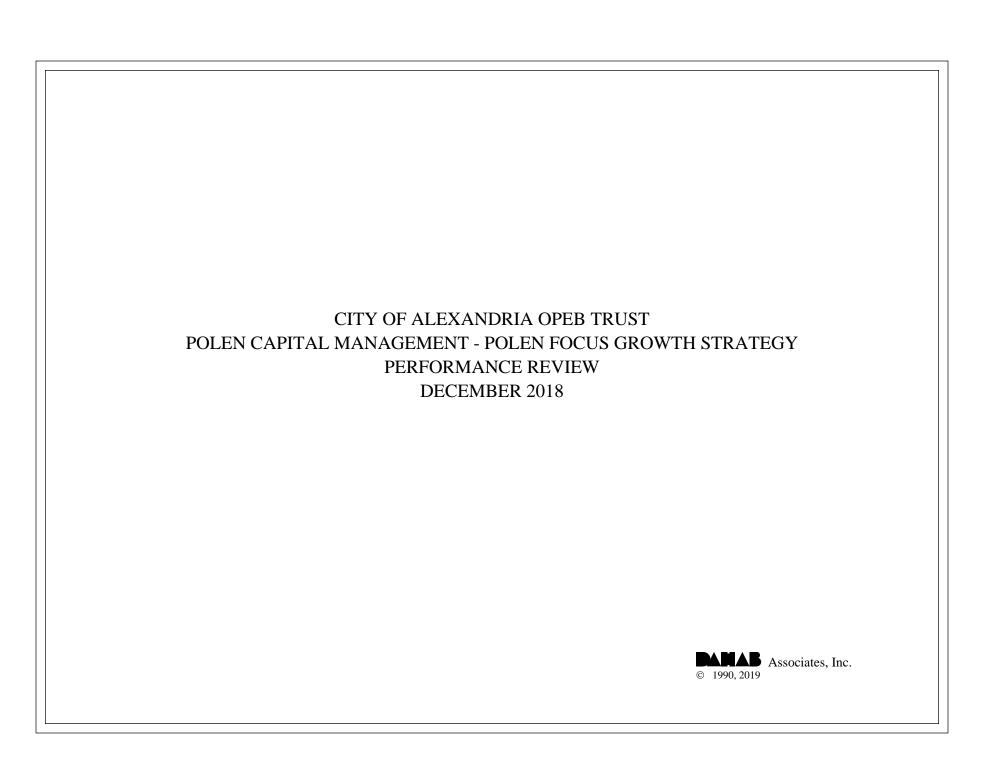
# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

COMPARATIVE BENCHMARK: 60% S&P 500 / 40% AGGREGATE



<b>Total Quarters Observed</b>	21
Quarters At or Above the Benchmark	10
<b>Quarters Below the Benchmark</b>	11
Batting Average	.476

RATES OF RETURN						
				Cur	nulative-	
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff
12/13	1.5	6.2	-4.7	1.5	6.2	-4.7
3/14	2.6	1.9	0.7	4.1	8.2	-4.1
6/14	4.7	4.0	0.7	9.0	12.4	-3.4
9/14	-2.9	0.8	-3.7	5.9	13.3	-7.4
12/14	-2.7	3.7	-6.4	3.1	17.4	-14.3
3/15	0.3	1.3	-1.0	3.4	19.0	-15.6
6/15	0.0	-0.5	0.5	3.4	18.4	-15.0
9/15	-8.4	-3.4	-5.0	-5.2	14.4	-19.6
12/15	0.2	4.0	-3.8	-5.0	19.0	-24.0
3/16	5.4	2.1	3.3	0.1	21.5	-21.4
6/16	4.3	2.4	1.9	4.4	24.3	-19.9
9/16	4.1	2.5	1.6	8.7	27.4	-18.7
12/16	-0.1	1.1	-1.2	8.6	28.8	-20.2
3/17	5.3	4.0	1.3	14.4	33.9	-19.5
6/17	2.1	2.4	-0.3	16.8	37.2	-20.4
9/17	3.5	3.0	0.5	20.9	41.3	-20.4
12/17	3.4	4.1	-0.7	25.0	47.2	-22.2
3/18	0.5	-1.0	1.5	25.5	45.7	-20.2
6/18	-2.1	2.0	-4.1	22.8	48.6	-25.8
9/18	0.6	4.6	-4.0	23.6	55.4	-31.8
12/18	-3.1	-7.6	4.5	19.8	43.7	-23.9



### **INVESTMENT RETURN**

On December 31st, 2018, the City of Alexandria OPEB Trust's Polen Capital Management Polen Focus Growth Strategy portfolio was valued at \$6,815,306, a decrease of \$1,011,462 from the September ending value of \$7,826,768. Last quarter, the account recorded total net withdrawals of \$30,644 in addition to \$980,818 in net investment losses. The fund's net investment loss was a result of income receipts totaling \$15,646 and realized and unrealized capital losses totaling \$996,464.

### RELATIVE PERFORMANCE

During the fourth quarter, the Polen Capital Management Polen Focus Growth Strategy portfolio lost 12.6%, which was 3.3% greater than the Russell 1000 Growth Index's return of -15.9% and ranked in the 22nd percentile of the Large Cap Growth universe. Over the trailing year, the portfolio returned 9.2%, which was 10.7% greater than the benchmark's -1.5% performance, and ranked in the 4th percentile. Since June 2011, the account returned 14.3% per annum and ranked in the 10th percentile. For comparison, the Russell 1000 Growth returned an annualized 12.5% over the same time frame.

### **ANALYSIS**

At the end of the quarter, the Polen Capital portfolio was concentrated in four of the eleven sectors in our industry analysis. With respect to the Russell 1000 Growth index, the portfolio was overweight in the Communication Services, Consumer Discretionary, and Information Technology sectors, while underweight in Health Care. The remaining sectors were unfunded.

Positive stock selection in the heavily overweight Consumer Discretionary space helped the Polen Capital portfolio outperform the benchmark, as top ten holding O'Reilly Automotive Inc. (ORLY) returned -0.9% compared to the benchmark's double-digit loss in that sector. Communication Services mirrored the market's return, while Information Technology stocks fared slightly better. Health Care underperformed, but an underweight allocation checked negative effects.

## **EXECUTIVE SUMMARY**

PERFORMANCE SUMMARY									
	Quarter	FYTD	YTD /1Y	3 Year	5 Year	Since 06/11			
Total Portfolio - Gross	-12.6	-3.3	9.2	12.5	14.1	14.3			
LARGE CAP GROWTH RANK	(22)	(9)	(4)	(13)	(2)	(10)			
Total Portfolio - Net	-12.7	-3.6	8.6	11.9	13.6	13.7			
Russell 1000G	-15.9	-8.2	-1.5	11.1	10.4	12.5			
<b>Equity - Gross</b>	-12.6	-3.3	9.2	12.5	14.1	14.3			
LARGE CAP GROWTH RANK	(22)	(9)	(4)	(13)	(2)	(10)			
Russell 1000G	-15.9	-8.2	-1.5	11.1	10.4	12.5			
Russell 1000V	-11.7	-6.7	-8.3	6.9	5.9	9.5			
Russell 1000	-13.8	-7.4	-4.8	9.1	8.2	11.0			

ASSET ALLOCATION						
Equity	100.0%	\$ 6,815,306				
Total Portfolio	100.0%	\$ 6,815,306				

## INVESTMENT RETURN

 Market Value 9/2018
 \$ 7,826,768

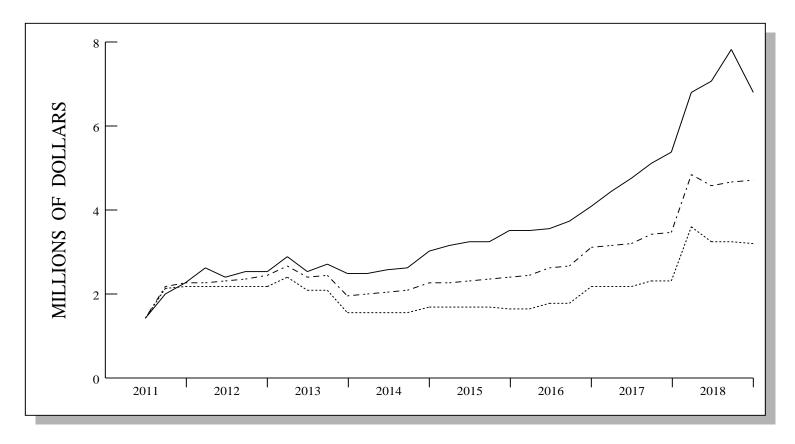
 Contribs / Withdrawals
 - 30,644

 Income
 15,646

 Capital Gains / Losses
 -996,464

 Market Value 12/2018
 \$ 6,815,306

## **INVESTMENT GROWTH**

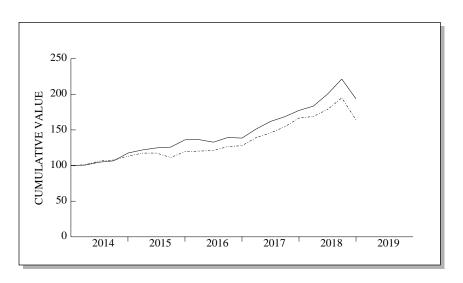


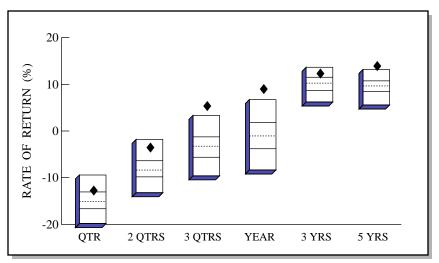
------ ACTUAL RETURN
------ 7.5%
------ 0.0%

VALUE ASSUMING
7.5% RETURN \$ 4,723,476

	LAST QUARTER	PERIOD 6/11 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	\$ 7,826,768 - 30,644 <u>-980,818</u> \$ 6,815,306	\$ 1,458,761 1,768,140 3,588,405 \$ 6,815,306
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	15,646 -996,464 -980,818	254,336 3,334,069 3,588,405

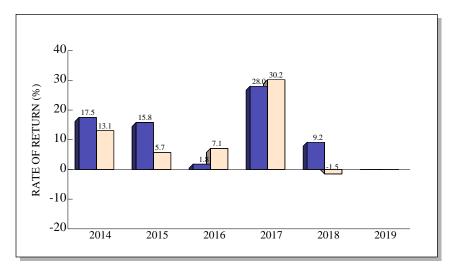
# TOTAL RETURN COMPARISONS





Large Cap Growth Universe



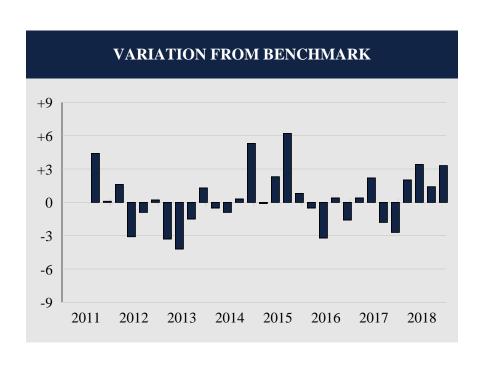


					ANNU	ALIZED
	QTR	2 QTRS	3 QTRS	YEAR_	3 YRS	5 YRS
RETURN	-12.6	-3.3	5.6	9.2	12.5	14.1
(RANK)	(22)	(9)	(2)	(4)	(13)	(2)
5TH %ILE	-9.4	-1.8	3.3	6.7	13.7	13.2
25TH %ILE	-13.1	-6.4	-1.3	1.9	11.5	10.7
MEDIAN	-15.1	-8.4	-3.3	-1.1	10.3	9.7
75TH %ILE	-16.7	-9.8	-5.6	-3.8	8.7	8.5
95TH %ILE	-19.9	-13.2	-9.6	-8.4	6.2	5.6
Russ 1000G	-15.9	-8.2	-2.9	-1.5	11.1	10.4

Large Cap Growth Universe

# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

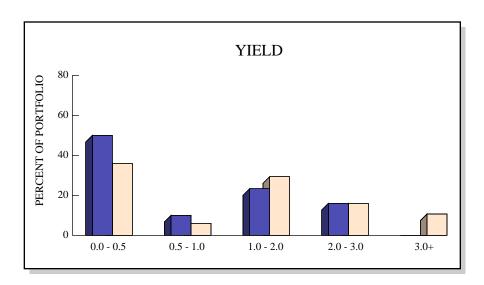
COMPARATIVE BENCHMARK: RUSSELL 1000 GROWTH

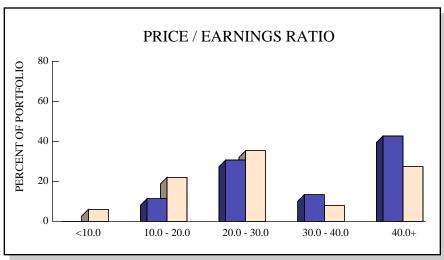


<b>Total Quarters Observed</b>	30
Quarters At or Above the Benchmark	17
Quarters Below the Benchmark	13
Batting Average	.567

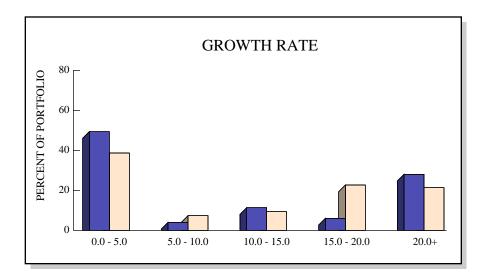
RATES OF RETURN								
				Cur	nulative			
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff		
9/11	-8.7	-13.1	4.4	-8.7	-13.1	4.4		
12/11	10.7	10.6	0.1	1.1	-3.9	5.0		
3/12	16.3	14.7	1.6	17.6	10.2	7.4		
6/12	-7.1	-4.0	-3.1	9.2	5.8	3.4		
9/12	5.2	6.1	-0.9	14.9	12.2	2.7		
12/12	-1.1	-1.3	0.2	13.7	10.7	3.0		
3/13	6.2	9.5	-3.3	20.7	21.3	-0.6		
6/13	-2.1	2.1	-4.2	18.1	23.8	-5.7		
9/13	6.6	8.1	-1.5	25.9	33.8	-7.9		
12/13	11.7	10.4	1.3	40.6	47.8	-7.2		
3/14	0.6	1.1	-0.5	41.5	49.5	-8.0		
6/14	4.2	5.1	-0.9	47.4	57.1	-9.7		
9/14	1.8	1.5	0.3	50.0	59.5	-9.5		
12/14	10.1	4.8	5.3	65.2	67.1	-1.9		
3/15	3.7	3.8	-0.1	71.3	73.5	-2.2		
6/15	2.4	0.1	2.3	75.4	73.8	1.6		
9/15	0.9	-5.3	6.2	77.0	64.6	12.4		
12/15	8.1	7.3	0.8	91.4	76.6	14.8		
3/16	0.2	0.7	-0.5	91.7	77.9	13.8		
6/16	-2.6	0.6	-3.2	86.7	79.0	7.7		
9/16	5.0	4.6	0.4	95.9	87.2	8.7		
12/16	-0.6	1.0	-1.6	94.8	89.1	5.7		
3/17	9.3	8.9	0.4	112.8	105.9	6.9		
6/17	6.9	4.7	2.2	127.5	115.5	12.0		
9/17	4.1	5.9	-1.8	136.9	128.3	8.6		
12/17	5.2	7.9	-2.7	149.3	146.2	3.1		
3/18	3.4	1.4	2.0	157.8	149.7	8.1		
6/18	9.2	5.8	3.4	181.5	164.1	17.4		
9/18	10.6	9.2	1.4	211.3	188.3	23.0		
12/18	-12.6	-15.9	3.3	172.2	142.5	29.7		

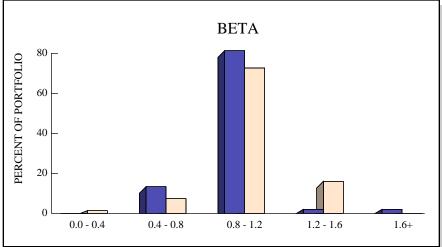
## STOCK CHARACTERISTICS



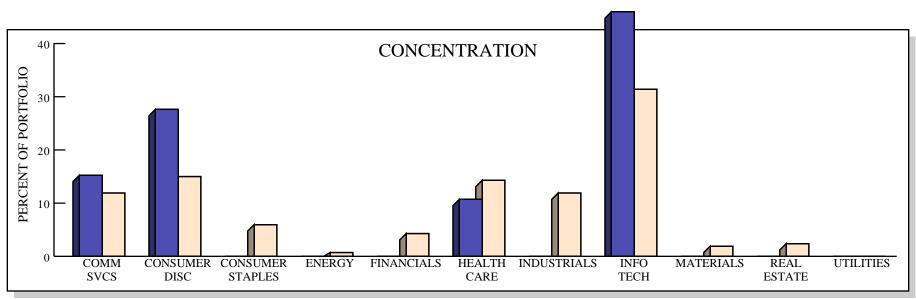


	# HOLDINGS	YIELD	GROWTH	P/E	BETA	
PORTFOLIO	21	0.8%	11.2%	37.2	1.03	
RUSSELL 1000G	546	1.3%	11.8%	29.8	1.04	

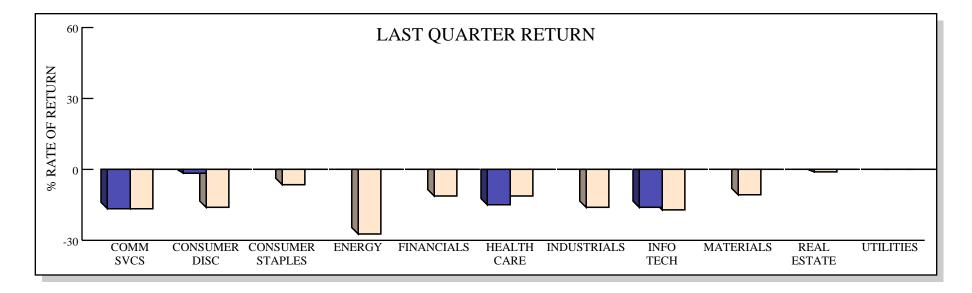




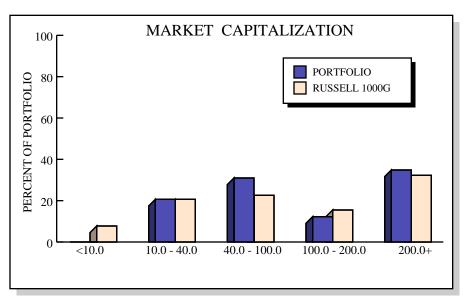
## STOCK INDUSTRY ANALYSIS

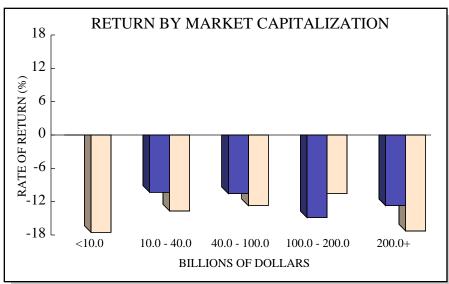


■ PORTFOLIO ■ RUSSELL 1000G



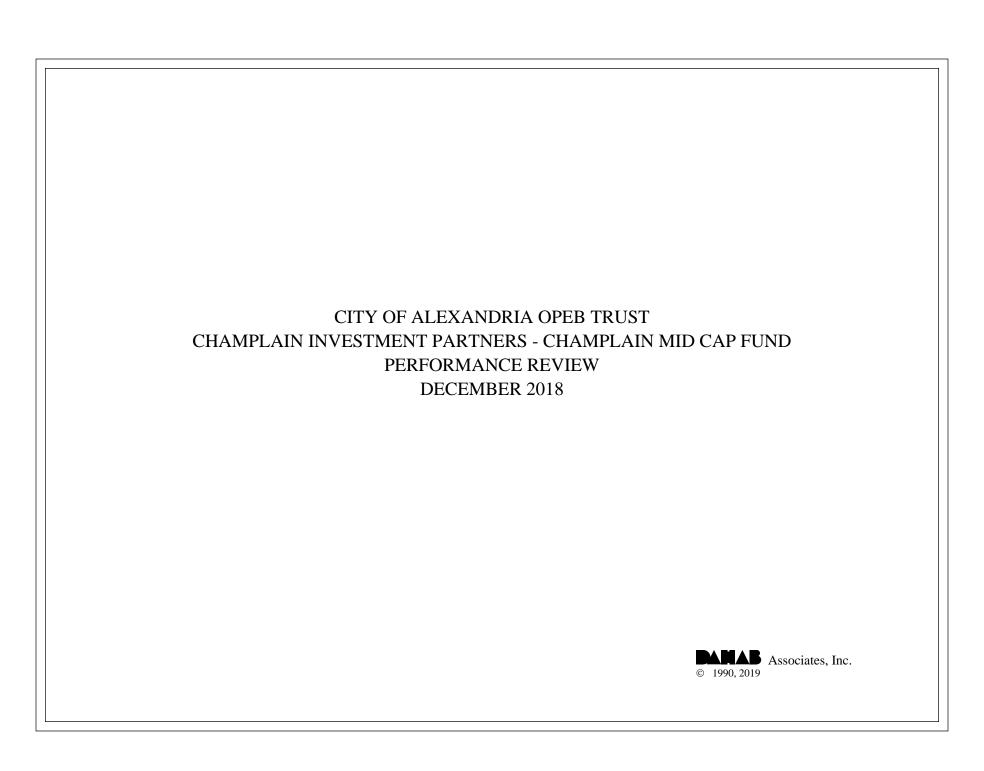
## **TOP TEN HOLDINGS**





# TOP TEN EQUITY HOLDINGS

RANK	NAME	VALUE	% EQUITY	RETURN	INDUSTRY SECTOR	MKT CAP
1	MICROSOFT CORP	\$ 605,357	8.88%	-10.8%	Information Technology	\$ 785.0 B
2	VISA INC-CLASS A SHARES	476,303	6.99%	-11.9%	Information Technology	231.9 B
3	ALPHABET INC-CL C	433,921	6.37%	-13.2%	Communication Services	362.1 B
4	O'REILLY AUTOMOTIVE INC	411,819	6.04%	-0.9%	Consumer Discretionary	27.6 B
5	FACEBOOK INC-CLASS A	409,001	6.00%	-20.3%	Communication Services	314.9 B
6	AUTOMATIC DATA PROCESSING	403,850	5.93%	-12.5%	Information Technology	57.4 B
7	ADOBE INC	389,133	5.71%	-16.2%	Information Technology	110.4 B
8	NIKE INC -CL B	351,127	5.15%	-12.2%	Consumer Discretionary	94.4 B
9	STARBUCKS CORP	342,994	5.03%	13.9%	Consumer Discretionary	79.9 B
10	ZOETIS INC	334,205	4.90%	-6.4%	Health Care	41.1 B



### **INVESTMENT RETURN**

On December 31st, 2018, the City of Alexandria OPEB Trust's Champlain Investment Partners Champlain Mid Cap Fund was valued at \$7,131,987, a decrease of \$964,791 from the September ending value of \$8,096,778. Last quarter, the account recorded no net contributions or withdrawals, while recording a net investment loss for the quarter of \$964,791. Since there were no income receipts for the fourth quarter, net investment losses were the result of capital losses (realized and unrealized).

### **RELATIVE PERFORMANCE**

### **Total Fund**

During the fourth quarter, the Champlain Investment Partners Champlain Mid Cap Fund lost 11.7%, which was 3.7% greater than the Russell Mid Cap's return of -15.4% and ranked in the 7th percentile of the Mid Cap Core universe. Over the trailing year, the portfolio returned 4.4%, which was 13.5% greater than the benchmark's -9.1% performance, and ranked in the 3rd percentile. Since September 2011, the account returned 16.3% per annum and ranked in the 2nd percentile. For comparison, the Russell Mid Cap returned an annualized 12.9% over the same time frame.

## **EXECUTIVE SUMMARY**

PERFORMANCE SUMMARY									
	Quarter	FYTD	YTD /1Y	3 Year	5 Year	Since 09/11			
Total Portfolio - Gross	-11.7	-4.3	4.4	14.9	11.1	16.3			
MID CAP CORE RANK	(7)	(5)	(3)	(1)	(1)	(2)			
Total Portfolio - Net	-11.9	-4.7	3.6	13.9	10.2	15.3			
Russell Mid	-15.4	-11.2	-9.1	7.0	6.3	12.9			
<b>Equity - Gross</b>	-11.7	-4.3	4.4	14.9	11.1	16.3			
MID CAP CORE RANK	(7)	(5)	(3)	(1)	(1)	(2)			
Russell Mid	-15.4	-11.2	-9.1	7.0	6.3	12.9			

ASSET ALLOCATION						
Equity	100.0%	\$ 7,131,987				
Total Portfolio	100.0%	\$ 7,131,987				

## INVESTMENT RETURN

 Market Value 9/2018
 \$ 8,096,778

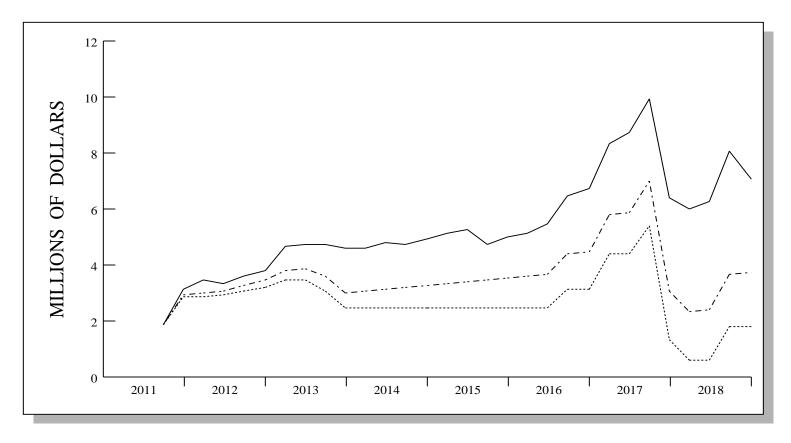
 Contribs / Withdrawals
 0

 Income
 0

 Capital Gains / Losses
 -964,791

 Market Value 12/2018
 \$ 7,131,987

## **INVESTMENT GROWTH**

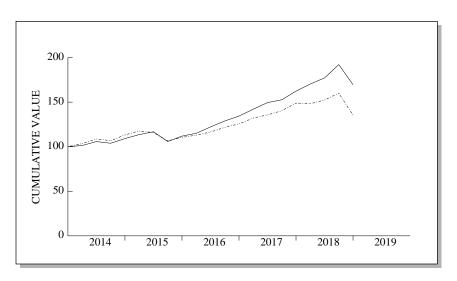


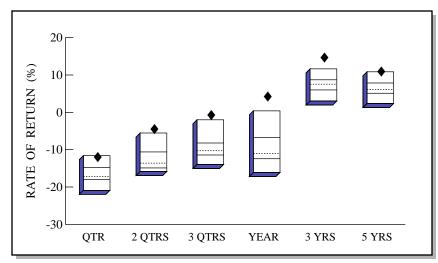
------ ACTUAL RETURN
------ 7.5%
------ 0.0%

VALUE ASSUMING
7.5% RETURN \$ 3,764,146

	LAST QUARTER	PERIOD 9/11 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	$ \begin{array}{c} \$ 8,096,778 \\ 0 \\ -964,791 \\ \$ 7,131,987 \end{array} $	\$ 1,929,912 - 96,039 <u>5,298,114</u> \$ 7,131,987
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	-964,791 -964,791	6,925 5,291,189 5,298,114

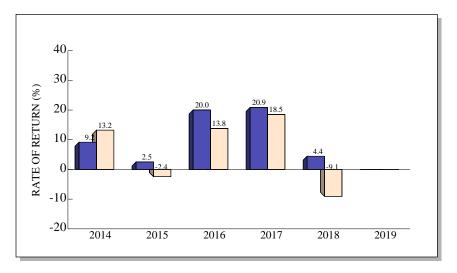
# TOTAL RETURN COMPARISONS





Mid Cap Core Universe



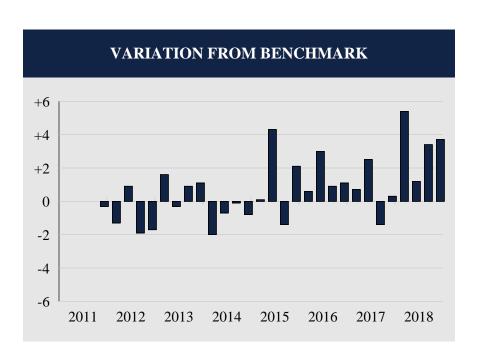


					ANNUA	ALIZED
	_QTR	2 QTRS	3 QTRS	YEAR_	3 YRS	5 YRS
RETURN	-11.7	-4.3	-0.4	4.4	14.9	11.1
(RANK)	(7)	(5)	(2)	(3)	(1)	(1)
5TH %ILE	-11.6	-5.5	-2.0	0.4	11.6	10.9
25TH %ILE	-14.8	-10.6	-8.2	-6.8	8.7	7.8
MEDIAN	-17.2	-13.6	-10.3	-11.0	7.6	6.1
75TH %ILE	-18.0	-14.9	-11.4	-12.4	6.0	5.1
95TH %ILE	-20.9	-15.8	-14.0	-16.1	3.1	2.4
Russ MC	-15.4	-11.2	-8.7	-9.1	7.0	6.3

Mid Cap Core Universe

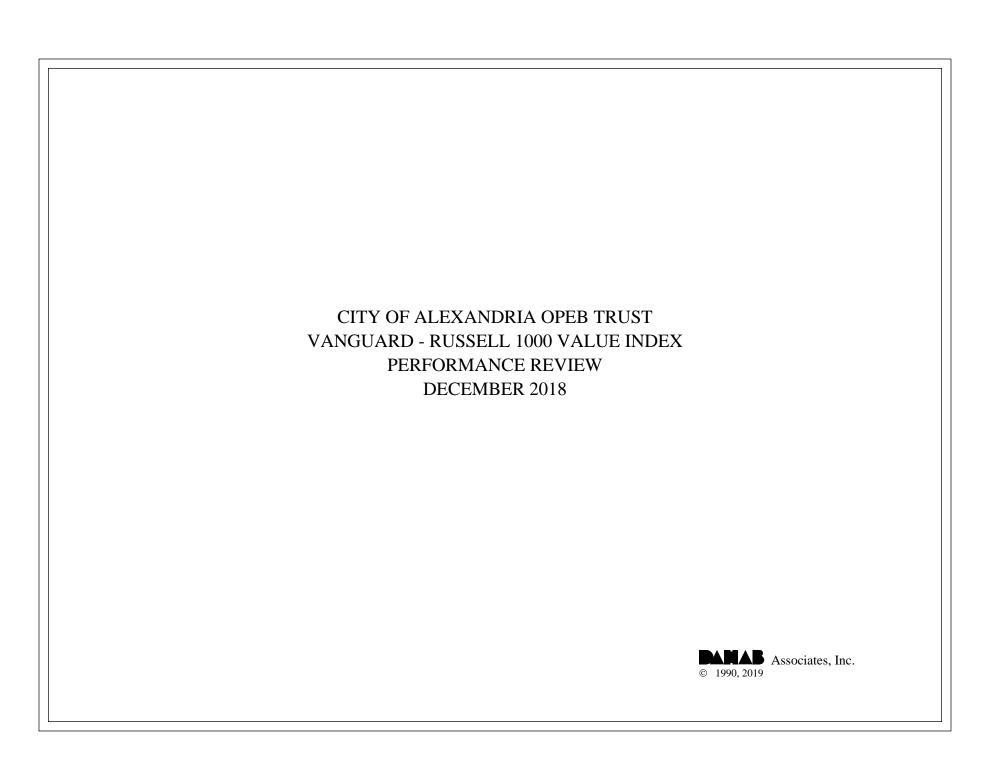
# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

COMPARATIVE BENCHMARK: RUSSELL MID CAP



Total Quarters Observed	29
Quarters At or Above the Benchmark	18
Quarters Below the Benchmark	11
Batting Average	.621

RATES OF RETURN							
	Cumulative						
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff	
12/11	12.0	12.3	-0.3	12.0	12.3	-0.3	
3/12	11.6	12.9	-1.3	24.9	26.8	-1.9	
6/12	-3.5	-4.4	0.9	20.5	21.3	-0.8	
9/12	3.7	5.6	-1.9	25.0	28.0	-3.0	
12/12	1.2	2.9	-1.7	26.5	31.7	-5.2	
3/13	14.6	13.0	1.6	45.0	48.8	-3.8	
6/13	1.9	2.2	-0.3	47.7	52.0	-4.3	
9/13	8.6	7.7	0.9	60.4	63.7	-3.3	
12/13	9.5	8.4	1.1	75.6	77.5	-1.9	
3/14	1.5	3.5	-2.0	78.2	83.7	-5.5	
6/14	4.3	5.0	-0.7	85.8	92.9	-7.1	
9/14	-1.8	-1.7	-0.1	82.5	89.7	-7.2	
12/14	5.1	5.9	-0.8	91.7	101.0	-9.3	
3/15	4.1	4.0	0.1	99.6	108.9	-9.3	
6/15	2.8	-1.5	4.3	105.2	105.7	-0.5	
9/15	-9.4	-8.0	-1.4	85.9	89.2	-3.3	
12/15	5.7	3.6	2.1	96.6	96.1	0.5	
3/16	2.8	2.2	0.6	102.2	100.4	1.8	
6/16	6.2	3.2	3.0	114.7	106.8	7.9	
9/16	5.4	4.5	0.9	126.4	116.2	10.2	
12/16	4.3	3.2	1.1	136.0	123.1	12.9	
3/17	5.8	5.1	0.7	149.6	134.6	15.0	
6/17	5.2	2.7	2.5	162.7	140.9	21.8	
9/17	2.1	3.5	-1.4	168.2	149.3	18.9	
12/17	6.4	6.1	0.3	185.3	164.4	20.9	
3/18	4.9	-0.5	5.4	199.3	163.1	36.2	
6/18	4.0	2.8	1.2	211.2	170.5	40.7	
9/18	8.4	5.0	3.4	237.4	184.1	53.3	
12/18	-11.7	-15.4	3.7	197.9	140.4	57.5	



### **INVESTMENT RETURN**

On December 31st, 2018, the City of Alexandria OPEB Trust's Vanguard Russell 1000 Value Index portfolio was valued at \$9,048,350, a decrease of \$1,199,206 from the September ending value of \$10,247,556. Last quarter, the account recorded no net contributions or withdrawals, while recording a net investment loss for the quarter of \$1,199,206. Net investment loss was composed of income receipts totaling \$66,136 and \$1,265,342 in net realized and unrealized capital losses.

### RELATIVE PERFORMANCE

### **Total Fund**

For the fourth quarter, the Vanguard Russell 1000 Value Index portfolio returned -11.7%, which was equal to the Russell 1000 Value Index's return of -11.7% and ranked in the 28th percentile of the Large Cap Value universe. Over the trailing year, this portfolio returned -8.2%, which was 0.1% greater than the benchmark's -8.3% return, ranking in the 48th percentile. Since March 2016, the account returned 7.0% on an annualized basis and ranked in the 65th percentile. The Russell 1000 Value returned an annualized 7.0% over the same time frame.

## **EXECUTIVE SUMMARY**

PERFORMANCE SUMMARY						
	Quarter	FYTD	YTD/1Y	3 Year	5 Year	Since 03/16
Total Portfolio - Gross	-11.7	-6.6	-8.2			7.0
LARGE CAP VALUE RANK	(28)	(35)	(48)			(65)
Total Portfolio - Net	-11.7	-6.7	-8.3			6.9
Russell 1000V	-11.7	-6.7	-8.3	6.9	5.9	7.0
<b>Equity - Gross</b>	-11.7	-6.6	-8.2			7.0
LARGE CAP VALUE RANK	(28)	(35)	(48)			(65)
Russell 1000V	-11.7	-6.7	-8.3	6.9	5.9	7.0

ASSET A	ASSET ALLOCATION					
Equity	100.0%	\$ 9,048,350				
Total Portfolio	100.0%	\$ 9,048,350				

## INVESTMENT RETURN

 Market Value 9/2018
 \$ 10,247,556

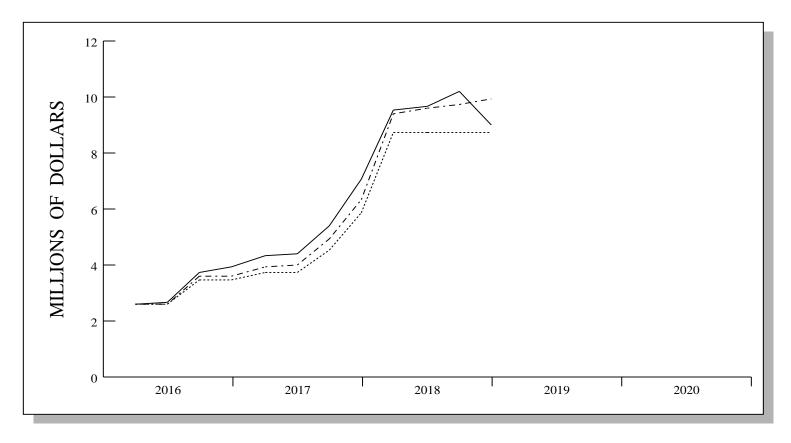
 Contribs / Withdrawals
 0

 Income
 66,136

 Capital Gains / Losses
 -1,265,342

 Market Value 12/2018
 \$ 9,048,350

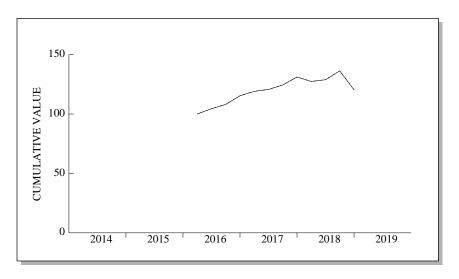
## **INVESTMENT GROWTH**

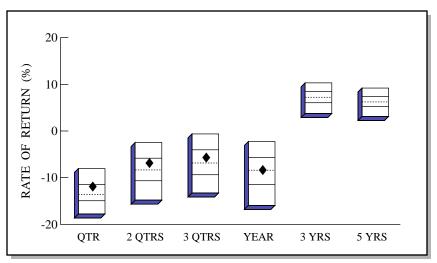


VALUE ASSUMING
7.5% RETURN \$ 9,969,106

	LAST QUARTER	PERIOD 3/16 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	$   \begin{array}{r}     \$ 10,247,556 \\     0 \\     \hline     -1,199,206 \\     \$ 9,048,350   \end{array} $	$\begin{array}{c} \$ \ 2,602,301 \\ 6,188,000 \\ \underline{258,049} \\ \$ \ 9,048,350 \end{array}$
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	66,136 -1,265,342 -1,199,206	427,084 -169,035 258,049

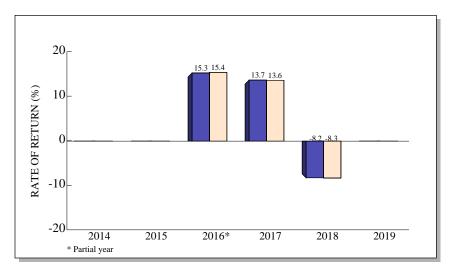
# TOTAL RETURN COMPARISONS





Large Cap Value Universe



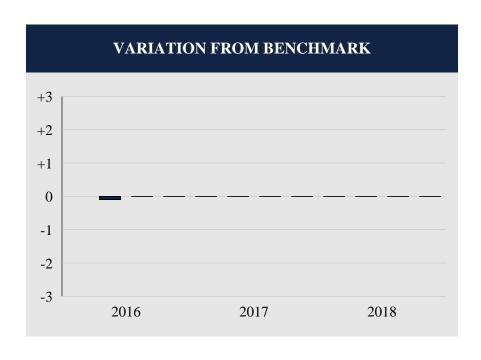


	_QTR	2 QTRS	3 QTRS	YEAR	ANNUA	ALIZED 5 YRS
RETURN (RANK)	-11.7 (28)	-6.6 (35)	-5.5 (40)	-8.2 (48)		
5TH %ILE 25TH %ILE MEDIAN 75TH %ILE 95TH %ILE	-8.1 -11.5 -13.6 -15.0 -17.8	-2.5 -5.8 -8.4 -10.7	-0.6 -4.0 -6.9 -9.4	-2.3 -5.7 -8.4 -11.4 -16.0	10.3 8.4 7.2 6.1 3.7	9.2 7.4 6.2 5.3
Russ 1000V	-11.7	-6.7	-5.6	-8.3	6.9	5.9

Large Cap Value Universe

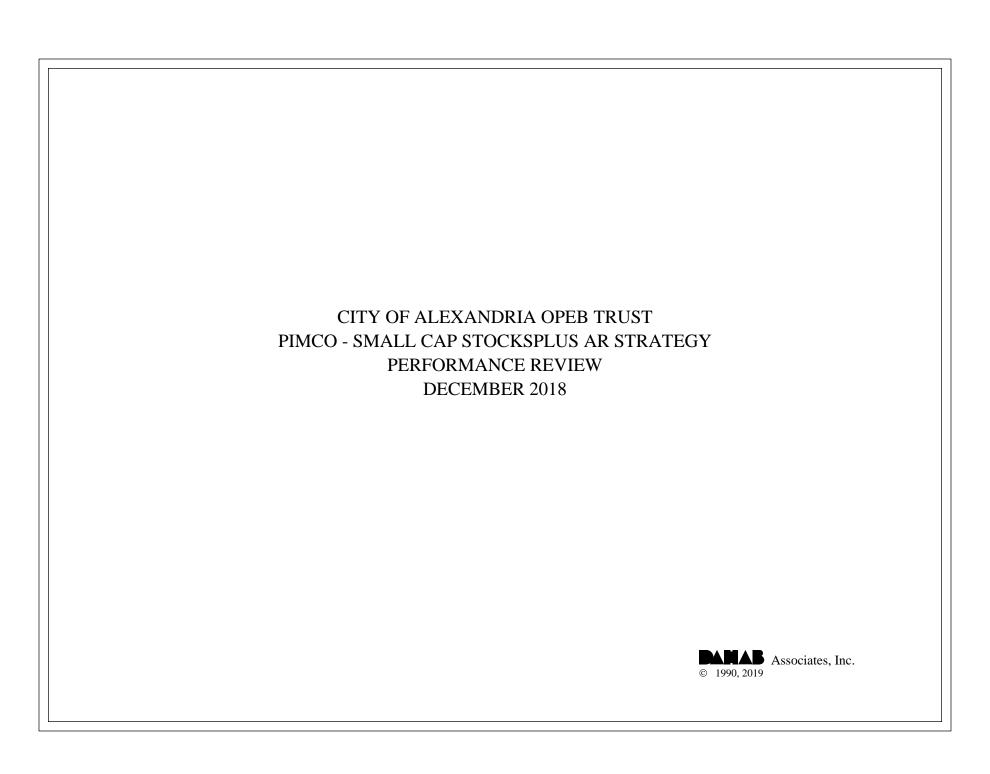
# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

COMPARATIVE BENCHMARK: RUSSELL 1000 VALUE



Total Quarters Observed	11
Quarters At or Above the Benchmark	10
<b>Quarters Below the Benchmark</b>	1
Batting Average	.909

RATES OF RETURN					
Date	Portfolio	Benchmark	Difference		
6/16	4.5	4.6	-0.1		
9/16	3.5	3.5	0.0		
12/16	6.7	6.7	0.0		
3/17	3.3	3.3	0.0		
6/17	1.3	1.3	0.0		
9/17	3.1	3.1	0.0		
12/17	5.3	5.3	0.0		
3/18	-2.8	-2.8	0.0		
6/18	1.2	1.2	0.0		
9/18	5.7	5.7	0.0		
12/18	-11.7	-11.7	0.0		



### **INVESTMENT RETURN**

On December 31st, 2018, the City of Alexandria OPEB Trust's PIMCO Small Cap StocksPlus AR Strategy portfolio was valued at \$3,026,254, a decrease of \$820,587 from the September ending value of \$3,846,841. Last quarter, the account recorded no net contributions or withdrawals, while recording a net investment loss for the quarter of \$820,587. Net investment loss was composed of income receipts totaling \$294,125 and \$1,114,712 in net realized and unrealized capital losses.

### **RELATIVE PERFORMANCE**

### **Total Fund**

For the fourth quarter, the PIMCO Small Cap StocksPlus AR Strategy portfolio returned -21.2%, which was 1.0% below the Russell 2000 Index's return of -20.2% and ranked in the 82nd percentile of the Small Cap Core universe. Over the trailing year, this portfolio returned -11.6%, which was 0.6% less than the benchmark's -11.0% return, ranking in the 60th percentile. Since September 2011, the account returned 15.1% on an annualized basis and ranked in the 22nd percentile. The Russell 2000 returned an annualized 12.3% over the same time frame.

## **EXECUTIVE SUMMARY**

PERFORMANCE SUMMARY						
	Quarter	FYTD	YTD/1Y	3 Year	5 Year	Since 09/11
Total Portfolio - Gross	-21.2	-18.4	-11.6	9.6	5.8	15.1
SMALL CAP CORE RANK	(82)	(84)	(60)	(31)	(43)	(22)
Total Portfolio - Net	-21.3	-18.7	-12.2	8.9	5.1	14.4
Russell 2000	-20.2	-17.4	-11.0	7.3	4.4	12.3
<b>Equity - Gross</b>	-21.2	-18.4	-11.6	9.6	5.8	15.1
SMALL CAP CORE RANK	(82)	(84)	(60)	(31)	(43)	(22)
Russell 2000	-20.2	-17.4	-11.0	7.3	4.4	12.3

ASSET ALLOCATION				
Equity	100.0%	\$ 3,026,254		
Total Portfolio	100.0%	\$ 3,026,254		

## INVESTMENT RETURN

 Market Value 9/2018
 \$ 3,846,841

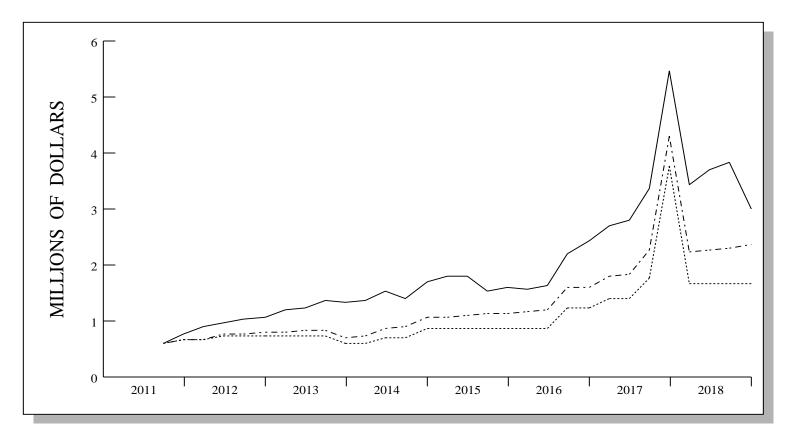
 Contribs / Withdrawals
 0

 Income
 294,125

 Capital Gains / Losses
 -1,114,712

 Market Value 12/2018
 \$ 3,026,254

## **INVESTMENT GROWTH**



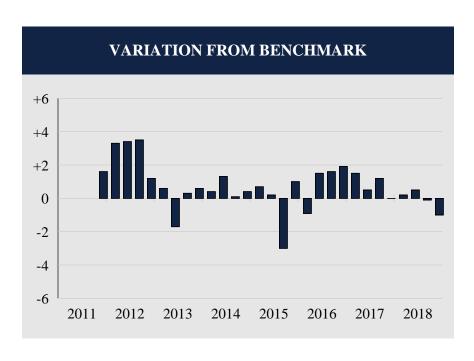
------ ACTUAL RETURN
------ 7.5%
------ 0.0%

VALUE ASSUMING
7.5% RETURN \$ 2,374,397

	LAST QUARTER	PERIOD 9/11 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	$\begin{array}{c} \$ \ 3,846,841 \\ 0 \\ -820,587 \\ \$ \ 3,026,254 \end{array}$	\$ 633,175 1,049,431 1,343,648 \$ 3,026,254
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	294,125 -1,114,712 -820,587	1,164,224 179,424 1,343,648

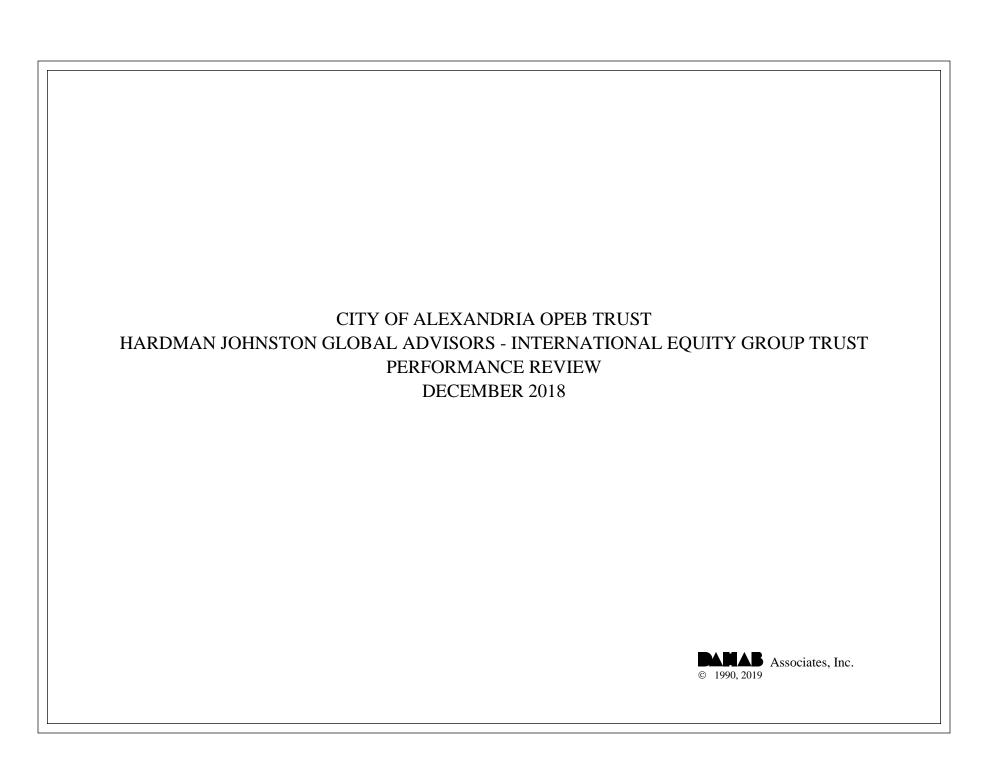
# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

**COMPARATIVE BENCHMARK: RUSSELL 2000** 



Total Quarters Observed	29
Quarters At or Above the Benchmark	24
<b>Quarters Below the Benchmark</b>	5
Batting Average	.828

RATES OF RETURN							
				Cu1	nulative		
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff	
12/11	17.1	15.5	1.6	17.1	15.5	1.6	
3/12	15.7	12.4	3.3	35.6	29.8	5.8	
6/12	-0.1	-3.5	3.4	35.4	25.3	10.1	
9/12	8.7	5.2	3.5	47.2	31.9	15.3	
12/12	3.0	1.8	1.2	51.7	34.4	17.3	
3/13	13.0	12.4	0.6	71.4	51.0	20.4	
6/13	1.4	3.1	-1.7	73.8	55.7	18.1	
9/13	10.5	10.2	0.3	92.0	71.6	20.4	
12/13	9.3	8.7	0.6	109.8	86.5	23.3	
3/14	1.5	1.1	0.4	113.0	88.6	24.4	
6/14	3.3	2.0	1.3	120.0	92.5	27.5	
9/14	-7.3	-7.4	0.1	104.0	78.3	25.7	
12/14	10.1	9.7	0.4	124.5	95.6	28.9	
3/15	5.0	4.3	0.7	135.7	104.1	31.6	
6/15	0.6	0.4	0.2	137.0	104.9	32.1	
9/15	-14.9	-11.9	-3.0	101.8	80.5	21.3	
12/15	4.6	3.6	1.0	111.0	87.0	24.0	
3/16	-2.4	-1.5	-0.9	106.0	84.2	21.8	
6/16	5.3	3.8	1.5	116.9	91.1	25.8	
9/16	10.6	9.0	1.6	139.9	108.4	31.5	
12/16	10.7	8.8	1.9	165.6	126.8	38.8	
3/17	4.0	2.5	1.5	176.3	132.4	43.9	
6/17	3.0	2.5	0.5	184.7	138.1	46.6	
9/17	6.9	5.7	1.2	204.3	151.6	52.7	
12/17	3.3	3.3	0.0	214.4	160.0	54.4	
3/18	0.1	-0.1	0.2	214.7	159.8	54.9	
6/18	8.3	7.8	0.5	240.8	179.9	60.9	
9/18	3.5	3.6	-0.1	252.9	189.9	63.0	
12/18	-21.2	-20.2	-1.0	178.1	131.3	46.8	



### **INVESTMENT RETURN**

On December 31st, 2018, the City of Alexandria OPEB Trust's Hardman Johnston Global Advisors International Equity Group Trust portfolio was valued at \$5,609,539, a decrease of \$855,452 from the September ending value of \$6,464,991. Last quarter, the account recorded total net withdrawals of \$195,233 in addition to \$660,219 in net investment losses. The fund's net investment loss was a result of income receipts totaling \$2,499 and realized and unrealized capital losses totaling \$662,718.

### **RELATIVE PERFORMANCE**

### **Total Fund**

During the fourth quarter, the Hardman Johnston Global Advisors International Equity Group Trust portfolio lost 11.5%, which was 1.0% greater than the MSCI EAFE Index's return of -12.5% and ranked in the 46th percentile of the International Equity universe. Over the trailing year, the portfolio returned -13.3%, which was 0.1% greater than the benchmark's -13.4% performance, and ranked in the 32nd percentile. Since September 2011, the account returned 8.1% per annum and ranked in the 30th percentile. For comparison, the MSCI EAFE Index returned an annualized 6.5% over the same time frame.

## **EXECUTIVE SUMMARY**

PERFORMANCE SUMMARY								
	Quarter	FYTD	YTD/1Y	3 Year	5 Year	Since 09/11		
Total Portfolio - Gross	-11.5	-14.1	-13.3	6.8	4.3	8.1		
INTERNATIONAL EQUITY RANK	(46)	(72)	(32)	(34)	(17)	(30)		
Total Portfolio - Net	-11.6	-14.4	-13.9	6.2	3.7	7.5		
MSCI EAFE	-12.5	-11.3	-13.4	3.4	1.0	6.5		
<b>Equity - Gross</b>	-11.5	-14.1	-13.3	6.8	4.3	8.1		
INTERNATIONAL EQUITY RANK	(46)	(72)	(32)	(34)	(17)	(30)		
MSCI EAFE	-12.5	-11.3	-13.4	3.4	1.0	6.5		

ASSET ALLOCATION						
Equity	100.0%	\$ 5,609,539				
Total Portfolio	100.0%	\$ 5,609,539				

## INVESTMENT RETURN

 Market Value 9/2018
 \$ 6,464,991

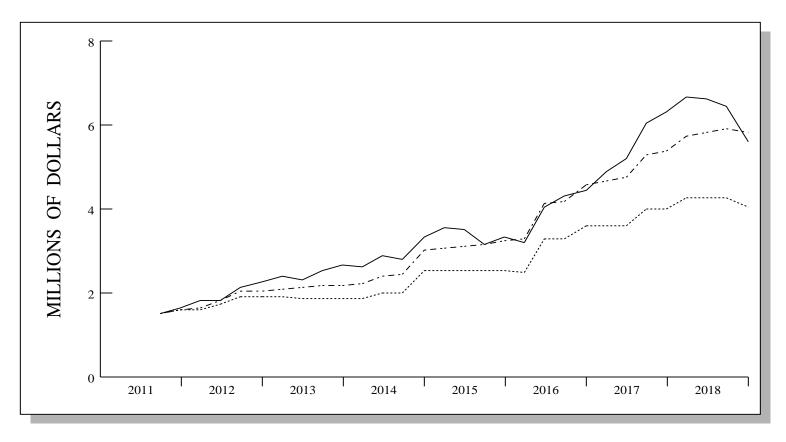
 Contribs / Withdrawals
 -195,233

 Income
 2,499

 Capital Gains / Losses
 -662,718

 Market Value 12/2018
 \$ 5,609,539

## **INVESTMENT GROWTH**



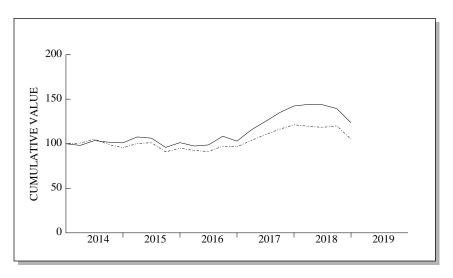
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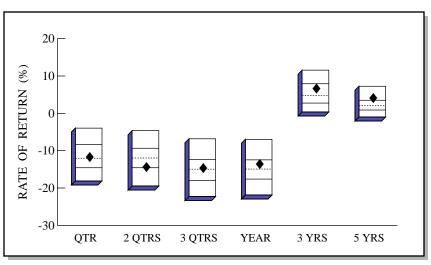
------ ACTUAL RETURN
------ 7.5%
------ 0.0%

VALUE ASSUMING
7.5% RETURN \$ 5,847,728

	LAST QUARTER	PERIOD 9/11 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	\$ 6,464,991 -195,233 -660,219 \$ 5,609,539	\$ 1,528,610 2,554,072 1,526,857 \$ 5,609,539
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	2,499 -662,718 -660,219	14,258 1,512,599 1,526,857

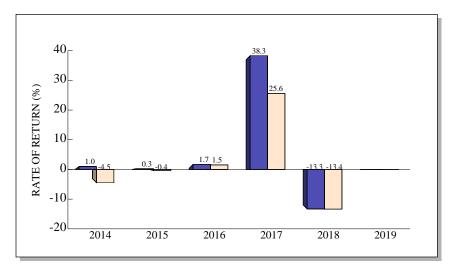
# TOTAL RETURN COMPARISONS





International Equity Universe



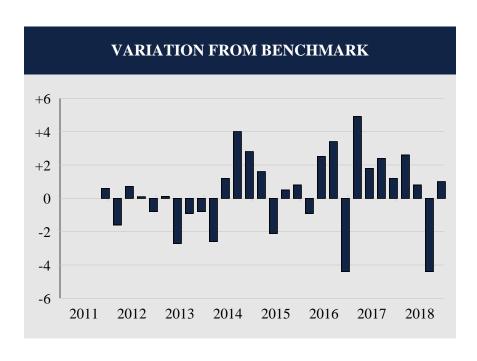


					ANNUA	ALIZED
	QTR	2 QTRS	3 QTRS	YEAR_	3 YRS	_5 YRS
RETURN	-11.5	-14.1	-14.4	-13.3	6.8	4.3
(RANK)	(46)	(72)	(44)	(32)	(34)	(17)
5TH %ILE	-4.0	-4.7	-6.8	-7.0	11.6	7.3
25TH %ILE	-8.3	-9.3	-12.4	-12.5	7.9	3.5
MEDIAN	-12.0	-12.0	-15.0	-14.9	4.8	2.1
75TH %ILE	-14.6	-14.6	-18.0	-17.6	2.8	0.9
95TH %ILE	-18.1	-19.5	-22.3	-21.9	0.4	-1.0
MSCI EAFE	-12.5	-11.3	-12.1	-13.4	3.4	1.0

International Equity Universe

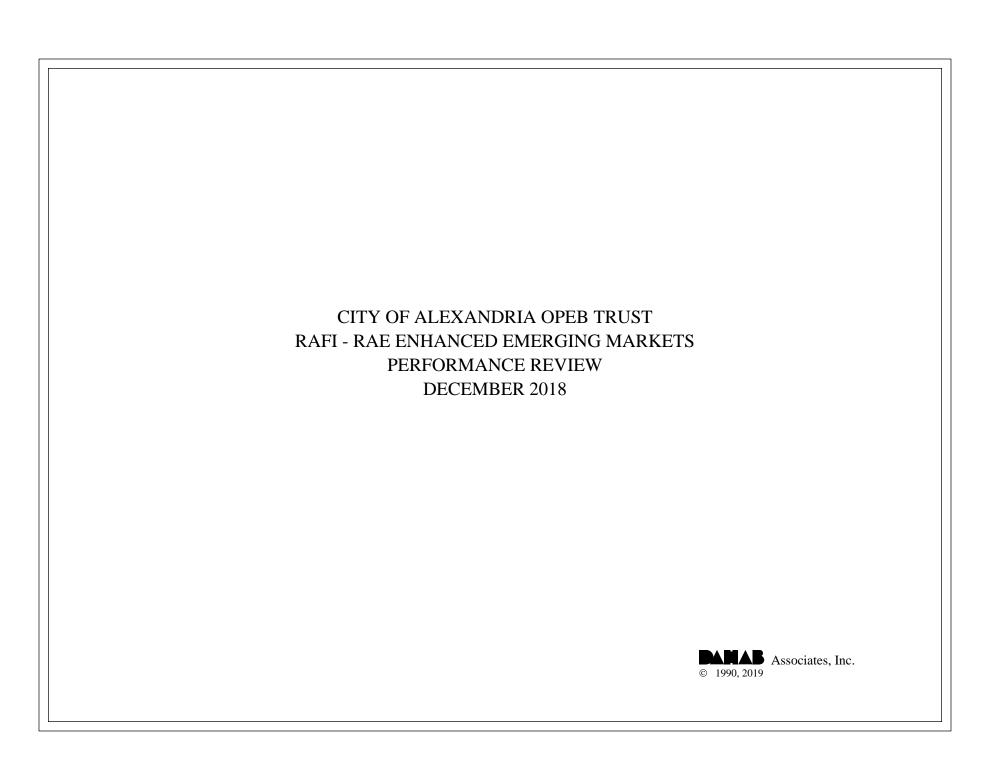
# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

COMPARATIVE BENCHMARK: MSCI EAFE



<b>Total Quarters Observed</b>	29
Quarters At or Above the Benchmark	19
<b>Quarters Below the Benchmark</b>	10
Batting Average	.655

RATES OF RETURN							
				Cur	nulative		
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff	
12/11	4.0	3.4	0.6	4.0	3.4	0.6	
3/12	9.4	11.0	-1.6	13.7	14.7	-1.0	
6/12	-6.2	-6.9	0.7	6.7	6.9	-0.2	
9/12	7.1	7.0	0.1	14.3	14.3	0.0	
12/12	5.8	6.6	-0.8	20.9	21.9	-1.0	
3/13	5.3	5.2	0.1	27.3	28.3	-1.0	
6/13	-3.4	-0.7	-2.7	23.0	27.3	-4.3	
9/13	10.7	11.6	-0.9	36.0	42.1	-6.1	
12/13	4.9	5.7	-0.8	42.8	50.3	-7.5	
3/14	-1.8	0.8	-2.6	40.1	51.4	-11.3	
6/14	5.5	4.3	1.2	47.9	58.0	-10.1	
9/14	-1.8	-5.8	4.0	45.2	48.8	-3.6	
12/14	-0.7	-3.5	2.8	44.2	43.5	0.7	
3/15	6.6	5.0	1.6	53.6	50.7	2.9	
6/15	-1.3	0.8	-2.1	51.7	52.0	-0.3	
9/15	-9.7	-10.2	0.5	36.9	36.5	0.4	
12/15	5.5	4.7	0.8	44.5	43.0	1.5	
3/16	-3.8	-2.9	-0.9	39.0	38.9	0.1	
6/16	1.3	-1.2	2.5	40.9	37.2	3.7	
9/16	9.9	6.5	3.4	54.8	46.1	8.7	
12/16	-5.1	-0.7	-4.4	47.0	45.1	1.9	
3/17	12.3	7.4	4.9	65.0	55.9	9.1	
6/17	8.2	6.4	1.8	78.5	65.8	12.7	
9/17	7.9	5.5	2.4	92.7	74.8	17.9	
12/17	5.5	4.3	1.2	103.3	82.3	21.0	
3/18	1.2	-1.4	2.6	105.7	79.7	26.0	
6/18	-0.2	-1.0	0.8	105.2	78.0	27.2	
9/18	-3.0	1.4	-4.4	99.1	80.5	18.6	
12/18	-11.5	-12.5	1.0	76.2	57.9	18.3	



### **INVESTMENT RETURN**

On December 31st, 2018, the City of Alexandria OPEB Trust's RAFI RAE Enhanced Emerging Markets portfolio was valued at \$9,900,560, a decrease of \$746,949 from the September ending value of \$10,647,509. Last quarter, the account recorded no net contributions or withdrawals, while recording a net investment loss for the quarter of \$746,949. Net investment loss was composed of income receipts totaling \$999,827 and \$1,746,776 in net realized and unrealized capital losses.

### **RELATIVE PERFORMANCE**

### **Total Fund**

For the fourth quarter, the RAFI RAE Enhanced Emerging Markets portfolio returned -6.8%, which was 0.6% above the MSCI Emerging Market Index's return of -7.4% and ranked in the 42nd percentile of the Emerging Markets universe. Over the trailing year, this portfolio returned -11.9%, which was 2.3% greater than the benchmark's -14.2% return, ranking in the 17th percentile. Since September 2011, the account returned 5.7% on an annualized basis and ranked in the 38th percentile. The MSCI Emerging Markets returned an annualized 4.1% over the same time frame.

## **EXECUTIVE SUMMARY**

PERFORMANCE SUMMARY								
	Quarter	FYTD	YTD/1Y	3 Year	5 Year	Since 09/11		
Total Portfolio - Gross	-6.8	-5.7	-11.9	15.5	4.3	5.7		
EMERGING MARKETS RANK	(42)	(19)	(17)	(2)	(13)	(38)		
Total Portfolio - Net	-7.0	-6.1	-12.7	14.4	3.5	5.0		
MSCI Emg Mkts	-7.4	-8.3	-14.2	9.7	2.0	4.1		
<b>Equity - Gross</b>	-6.8	-5.7	-11.9	15.5	4.3	5.7		
EMERGING MARKETS RANK	(42)	(19)	(17)	(2)	(13)	(38)		
MSCI Emg Mkts	-7.4	-8.3	-14.2	9.7	2.0	4.1		

ASSET ALLOCATION						
Equity	100.0%	\$ 9,900,560				
Total Portfolio	100.0%	\$ 9,900,560				

## INVESTMENT RETURN

 Market Value 9/2018
 \$ 10,647,509

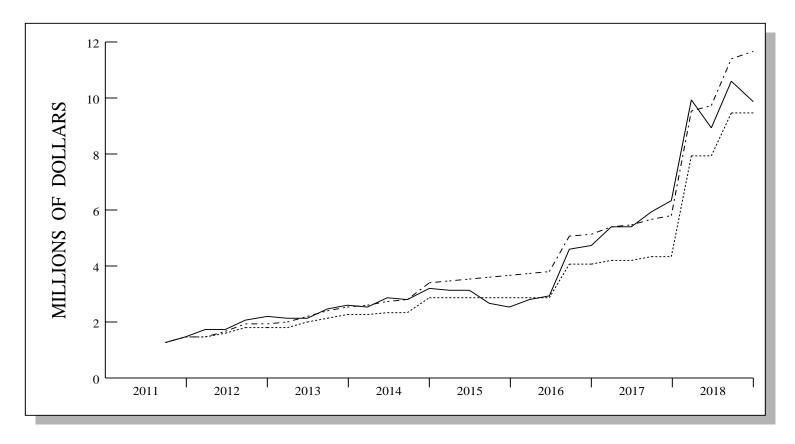
 Contribs / Withdrawals
 0

 Income
 999,827

 Capital Gains / Losses
 -1,746,776

 Market Value 12/2018
 \$ 9,900,560

## **INVESTMENT GROWTH**



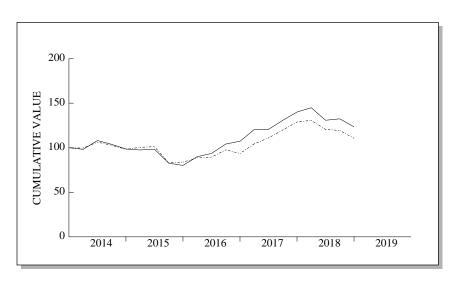
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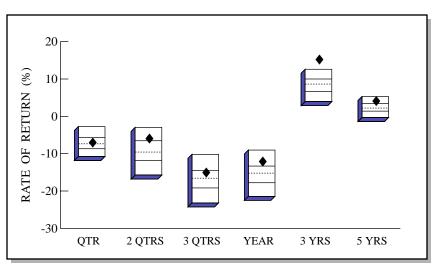
------ ACTUAL RETURN
------ 7.5%
------ 0.0%

VALUE ASSUMING
7.5% RETURN \$ 11,675,212

	LAST QUARTER	PERIOD 9/11 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	$     \begin{array}{r}             \$ 10,647,509 \\             0 \\             \hline           $	\$ 1,284,828 8,201,141 414,591 \$ 9,900,560
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	999,827 -1,746,776 -746,949	1,668,078 -1,253,487 414,591

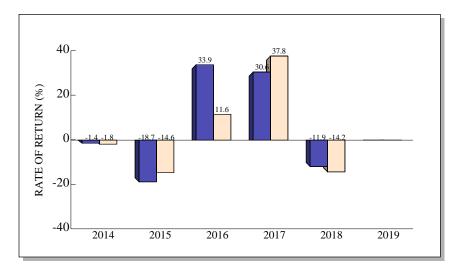
# TOTAL RETURN COMPARISONS





**Emerging Markets Universe** 



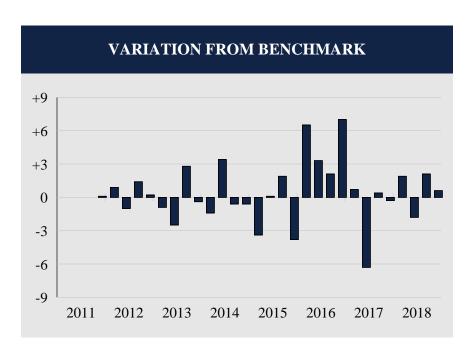


					ANNU <i>A</i>	ALIZED
	_QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	-6.8	-5.7	-14.8	-11.9	15.5	4.3
(RANK)	(42)	(19)	(30)	(17)	(2)	(13)
5TH %ILE	-2.8	-3.0	-10.2	-9.0	12.6	5.3
25TH %ILE	-5.7	-6.5	-14.5	-13.3	10.0	3.4
MEDIAN	-7.4	-9.6	-16.6	-15.2	8.6	2.2
75TH %ILE	-8.7	-11.8	-19.2	-17.8	6.7	1.4
95TH %ILE	-10.8	-15.8	-23.2	-21.4	3.9	-0.3
MSCI EM	-7.4	-8.3	-15.5	-14.2	9.7	2.0

**Emerging Markets Universe** 

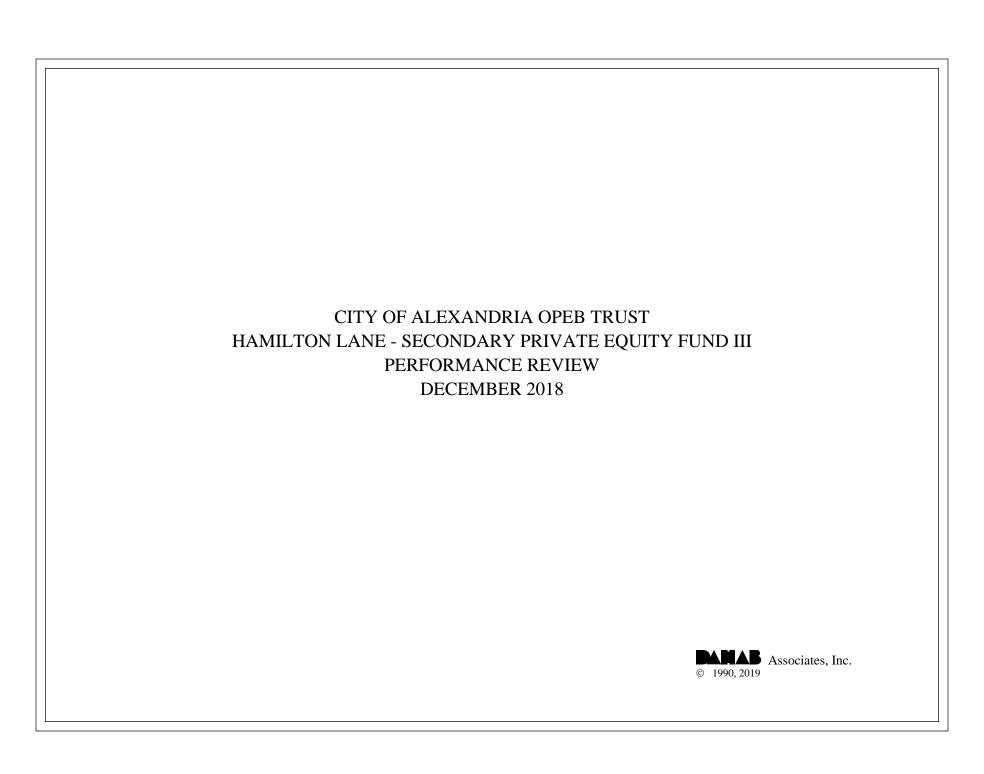
# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

#### COMPARATIVE BENCHMARK: MSCI EMERGING MARKETS



<b>Total Quarters Observed</b>	29
Quarters At or Above the Benchmark	17
<b>Quarters Below the Benchmark</b>	12
Batting Average	.586

RATES OF RETURN							
Cumulative							
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff	
12/11	4.5	4.4	0.1	4.5	4.4	0.1	
3/12	15.0	14.1	0.9	20.2	19.2	1.0	
6/12	-9.8	-8.8	-1.0	8.4	8.7	-0.3	
9/12	9.3	7.9	1.4	18.5	17.3	1.2	
12/12	5.8	5.6	0.2	25.4	23.9	1.5	
3/13	-2.5	-1.6	-0.9	22.2	22.0	0.2	
6/13	-10.5	-8.0	-2.5	9.4	12.3	-2.9	
9/13	8.7	5.9	2.8	18.9	18.9	0.0	
12/13	1.5	1.9	-0.4	20.7	21.1	-0.4	
3/14	-1.8	-0.4	-1.4	18.6	20.7	-2.1	
6/14	10.1	6.7	3.4	30.5	28.7	1.8	
9/14	-4.0	-3.4	-0.6	25.3	24.4	0.9	
12/14	-5.0	-4.4	-0.6	19.1	18.9	0.2	
3/15	-1.1	2.3	-3.4	17.7	21.6	-3.9	
6/15	0.9	0.8	0.1	18.8	22.6	-3.8	
9/15	-15.9	-17.8	1.9	-0.2	0.8	-1.0	
12/15	-3.1	0.7	-3.8	-3.2	1.5	-4.7	
3/16	12.3	5.8	6.5	8.6	7.4	1.2	
6/16	4.1	0.8	3.3	13.0	8.2	4.8	
9/16	11.3	9.2	2.1	25.8	18.1	7.7	
12/16	2.9	-4.1	7.0	29.5	13.3	16.2	
3/17	12.2	11.5	0.7	45.4	26.3	19.1	
6/17	0.1	6.4	-6.3	45.6	34.4	11.2	
9/17	8.4	8.0	0.4	57.8	45.2	12.6	
12/17	7.2	7.5	-0.3	69.1	56.1	13.0	
3/18	3.4	1.5	1.9	74.9	58.4	16.5	
6/18	-9.7	-7.9	-1.8	58.0	45.9	12.1	
9/18	1.2	-0.9	2.1	59.9	44.6	15.3	
12/18	-6.8	-7.4	0.6	49.0	33.9	15.1	



On December 31st, 2018, the City of Alexandria OPEB Trust's Hamilton Lane Secondary Private Equity Fund III portfolio was valued at \$699,027, a decrease of \$22,201 from the September ending value of \$721,228. Last quarter, the account recorded a net withdrawal of \$31,485, which overshadowed the fund's net investment return of \$9,284. Barring income receipts during the fourth quarter, the portfolio's net investment return figure was the product of \$9,284 in realized and unrealized capital gains.

#### **RELATIVE PERFORMANCE**

For the fourth quarter, the Hamilton Lane Secondary Private Equity Fund III account gained 1.9%, which was 20.2% greater than the S&P Completion's return of -18.3%. Over the trailing twelve-month period, the account returned 9.7%, which was 19.3% above the benchmark's -9.6% performance. Since December 2013, the portfolio returned 14.3% per annum, while the S&P Completion returned an annualized 5.2% over the same period.

Hamilton Lane Secondary Fund III, L.P.								
As of December 31, 2018								
Market Value	\$	699,027	Last Appraisal Da	te: 12	2/31/2018			
IRR Since Inception		16.38%	Annualized, Net of	of fee	s			
Initial Commitment	\$	1,500,000	100.00%			Fund Level IR	R: 1	4.7%
Paid In Capital	\$	895,792	59.72%			MSCI World I	PME	E: 7.3%
Remaining Commitment	\$	604,208	40.28%					
Net Investment Gain/Loss	\$	937,583						
			% of	R	Recallable	% of		
Date	Co	ontributions	Commitment	Dis	stributions	Commitment	Di	stributions
2013	\$	265,552	17.70%	\$	24,577	-1.64%	\$	229,185
2014	\$	382,648	25.51%	\$	97,624	-6.51%	\$	201,440
2/13/2015	\$	4,572	0.30%	\$	15,768	-1.05%	\$	93,163
3/31/2015	\$	50,129	3.34%	\$	5,792	-0.39%	\$	19,745
6/8/2015	\$	114,840	7.66%	\$	18,004	-1.20%	\$	44,229
7/22/2015	\$	-	0.00%	\$	=	0.00%	\$	46,792
9/28/2015	\$	145,217	9.68%	\$	19,042	-1.27%	\$	23,526
12/18/2015	\$	106,123	7.07%	\$	16,138	-1.08%	\$	37,785
1/8/2016	\$	-	0.00%	\$	21,704	-1.45%	\$	40,112
3/31/2016	\$	12,342	0.82%	\$	9,623	-0.64%	\$	35,089
6/29/2016	\$	-	0.00%	\$	35,089	-2.34%	\$	6,765
12/21/2016	\$	-	0.00%	\$	6,765	-0.45%	\$	6,317
4/5/2017	\$	81,165	5.41%	\$	=	0.00%	\$	106,980
9/27/2017	\$	-	0.00%	\$	=	0.00%	\$	37,815
11/15/2017	\$	1,405	0.09%	\$	=	0.00%	\$	34,171
12/27/2017	\$	-	0.00%	\$	=	0.00%	\$	41,250
3/30/2018	\$	1,925	0.13%	\$	=	0.00%	\$	24,491
5/16/2018	\$	=	0.00%	\$	=	0.00%	\$	41,129
6/22/2018	\$	-	0.00%	\$	=	0.00%	\$	16,500
8/7/2018	\$	-	0.00%	\$	=	0.00%	\$	16,379
10/17/2018	\$		0.00%	\$	_	0.00%	\$	31,485
Total	\$	1,165,918	77.73%	\$	270,126	-18.01%	\$	1,134,348

**Private Equity Investor Report** 

Valuations of non-public securities are provided by Hamilton Lane, based on current market and company conditions.

Paid in capital and remaining commitment have been adjusted for recallable distributions.

The Fund Level IRR and MSCI World PME was provided by the Hamilton Lane quarterly report.

PERFORMANCE SUMMARY							
	Quarter	FYTD	YTD/1Y	3 Year	5 Year		
Total Portfolio - Gross	1.9	5.0	9.7	11.5	14.3		
Total Portfolio - Net	1.3	3.7	7.6	9.3	11.7		
S&P Completion	-18.3	-14.7	-9.6	7.4	5.2		
<b>Equity - Gross</b>	1.9	5.0	9.7	11.5	14.3		
S&P Completion	-18.3	-14.7	-9.6	7.4	5.2		

ASSET ALLOCATION					
Equity	100.0%	\$ 699,027			
Total Portfolio	100.0%	\$ 699,027			

# INVESTMENT RETURN

 Market Value 9/2018
 \$ 721,228

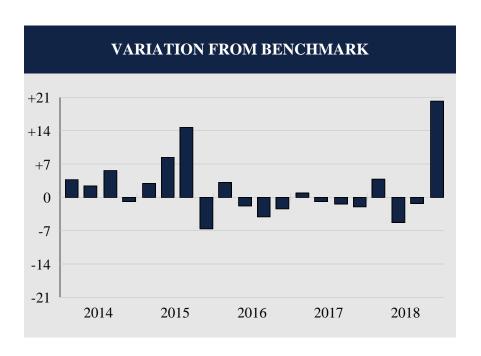
 Contribs / Withdrawals
 - 31,485

 Income
 0

 Capital Gains / Losses
 9,284

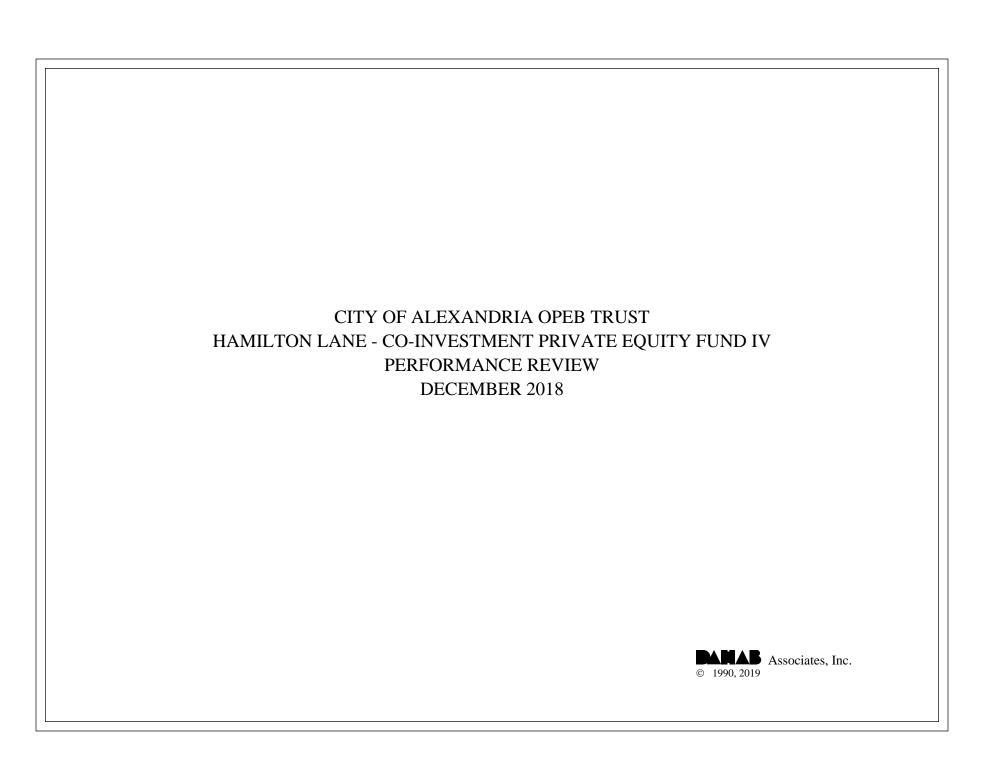
 Market Value 12/2018
 \$ 699,027

# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY COMPARATIVE BENCHMARK: S&P COMPLETION



<b>Total Quarters Observed</b>	20
Quarters At or Above the Benchmark	10
Quarters Below the Benchmark	10
Batting Average	.500

RATES OF RETURN						
				Cur	nulative	
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff
3/14	6.5	2.8	3.7	6.5	2.8	3.7
6/14	5.7	3.3	2.4	12.6	6.2	6.4
9/14	0.8	-4.8	5.6	13.5	1.1	12.4
12/14	5.5	6.4	-0.9	19.7	7.5	12.2
3/15	8.2	5.3	2.9	29.5	13.2	16.3
6/15	8.0	-0.4	8.4	39.8	12.7	27.1
9/15	4.1	-10.6	14.7	45.5	0.8	44.7
12/15	-3.5	3.1	-6.6	40.5	3.9	36.6
3/16	2.2	-0.9	3.1	43.6	3.0	40.6
6/16	1.6	3.4	-1.8	45.9	6.5	39.4
9/16	3.1	7.2	-4.1	50.5	14.2	36.3
12/16	3.2	5.6	-2.4	55.3	20.5	34.8
3/17	5.5	4.6	0.9	63.8	26.0	37.8
6/17	1.7	2.6	-0.9	66.6	29.3	37.3
9/17	3.6	5.0	-1.4	72.6	35.7	36.9
12/17	2.8	4.8	-2.0	77.5	42.3	35.2
3/18	3.9	0.1	3.8	84.4	42.5	41.9
6/18	0.6	5.9	-5.3	85.5	51.0	34.5
9/18	3.0	4.3	-1.3	91.2	57.5	33.7
12/18	1.9	-18.3	20.2	94.7	28.7	66.0



On December 31st, 2018, the City of Alexandria OPEB Trust's Hamilton Lane Co-Investment Private Equity Fund IV portfolio was valued at \$315,982, representing an increase of \$190,947 from the September quarter's ending value of \$125,035. Last quarter, the Fund posted net contributions equaling \$184,556 plus a net investment gain equaling \$6,391. 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 \$6,391.

#### **RELATIVE PERFORMANCE**

#### **Total Fund**

The Hamilton Lane Private Equity Fund IV was funded in Q1 of 2018.

In the fourth quarter, the Hamilton Lane Co-Investment Private Equity Fund IV portfolio returned 3.9%, which was 22.2% above the S&P Completion's return of -18.3%.

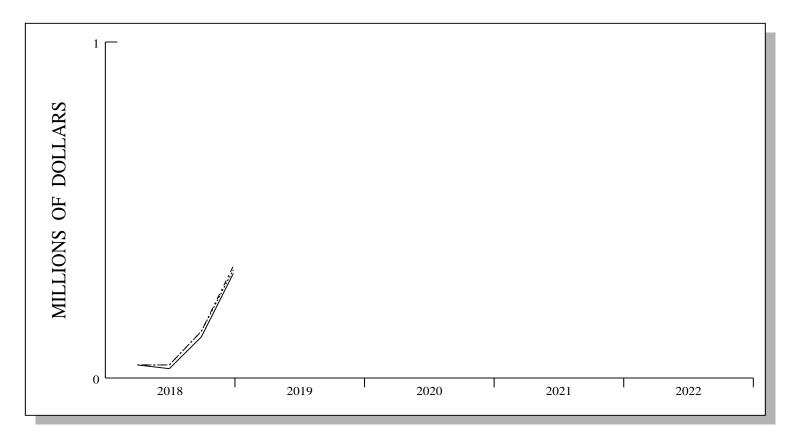
PERFORMANCE SUMMARY							
	Quarter	FYTD	YTD/1Y	3 Year	5 Year	Since 03/18	
Total Portfolio - Gross	3.9	2.1				-6.0	
Total Portfolio - Net	2.3	-4.3				-30.5	
S&P Completion	-18.3	-14.7	-9.6	7.4	5.2	-9.7	
<b>Equity - Gross</b>	3.9	2.1				-6.0	
S&P Completion	-18.3	-14.7	-9.6	7.4	5.2	-9.7	

ASSET ALLOCATION					
Equity	100.0%	\$ 315,982			
Total Portfolio	100.0%	\$ 315,982			

# INVESTMENT RETURN

Market Value 9/201	8 \$ 125,035
Contribs / Withdraw	vals 184,556
Income	0
Capital Gains / Loss	ses 6,391
Market Value 12/20	18 \$ 315,982

### **INVESTMENT GROWTH**

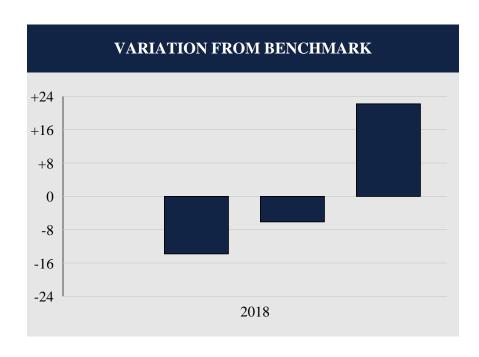


VALUE ASSUMING
7.5% RETURN \$ 333,878

	LAST QUARTER	PERIOD 3/18 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	\$ 125,035 184,556 6,391 \$ 315,982	\$ 40,917 285,113 -10,048 \$ 315,982
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	$\frac{0}{6,391}$ $6,391$	- 10,048 - 10,048

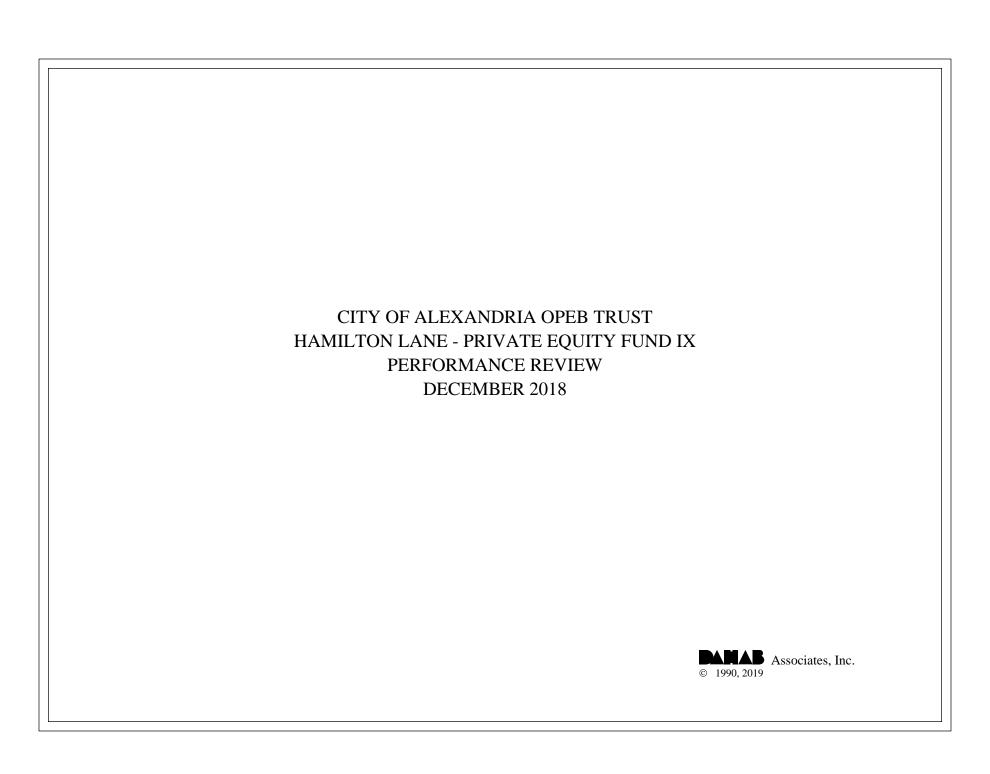
# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

COMPARATIVE BENCHMARK: S&P COMPLETION



Total Quarters Observed	3
Quarters At or Above the Benchmark	1
Quarters Below the Benchmark	2
Batting Average	.333

RATES OF RETURN						
Date	Portfolio	Benchmark	Difference			
6/18	-7.9	5.9	-13.8			
9/18	-1.8	4.3	-6.1			
12/18	3.9	-18.3	22.2			



On December 31st, 2018, the City of Alexandria OPEB Trust's Hamilton Lane Private Equity Fund IX portfolio was valued at \$665,109, representing an increase of \$29,540 from the September quarter's ending value of \$635,569. Last quarter, the Fund posted net contributions equaling \$10,562 plus a net investment gain equaling \$18,978. 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 \$18,978.

#### **RELATIVE PERFORMANCE**

Please note, the impact of management fees on performance can sometimes be positive due to fee rebates and reductions in carried interest allocation.

In the fourth quarter, the Hamilton Lane Private Equity Fund IX portfolio returned 3.5%, which was 21.8% above the S&P Completion's return of -18.3%. Over the trailing twelve-month period, the portfolio returned 13.7%, which was 23.3% above the benchmark's -9.6% performance. Since June 2015, the Hamilton Lane Private Equity Fund IX portfolio returned 19.4% annualized, while the S&P Completion returned an annualized 3.9% over the same period.

#### **Hamilton Lane Private Equity Fund IX** As of December 31, 2018 \$ **Market Value 665,109** Last Appraisal Date: 12/31/2018 **IRR Since Inception** 15.03% Annualized, Net of Fees **Initial Commitment** 1,000,000 Fund Level IRR: 15.5% \$ 100.00% Paid In Capital \$ 678,600 67.86% MSCI World PME: 2.6% \$ Remaining Commitment\* 321,400 32.14% \$ Net Investment Gain/Loss 148,088 % of Recallable **Contributions** % of Commitment **Distributions Commitment Distributions Date** O2 2015 46,500 4.65% \$ 0.00% \$ 16,500 Q3 2015 90,000 9.00% \$ -1.65% \$ Q4 2015 0.00% \$ 40,000 -4.00% \$ 1.00% \$ 0.00% \$ Q1 2016 \$ 10,000 Q2 2016 \$ 60,000 6.00% \$ 0.00% \$ \$ 8.63% \$ 0.00% \$ Q4 2016 86,300 20,045 \$ 0.00% \$ 0.00% \$ Q1 2017 \$ Q2 2017 106,600 10.66% \$ 0.00% \$ 29,100 \$ 0.00% \$ Q3 2017 3.00% \$ 5,163 30,000 O4 2017 68,000 6.80% \$ 0.00% \$ 31,641 \$ 0.00% \$ Q1 2018 120,000 12.00% \$ 20,223 Q2 2018 \$ 70,000 7.00% \$ 0.00% \$ 20,646 \$ Q3 2018 20,000 2.00% \$ 0.00% \$ 17,623 Q4 2018 \$ 27,700 2.77% \$ 0.00% \$ 17,138 **Total** \$ 735,100 73.51% \$ 56,500 -5.65% \$ 161,579

**Private Equity Investor Report** 

Fair market Valuations were provided by Hamilton Lane, based on current market and company conditions.

Current value is as of the last appraisal date, adjusted for all contributions and distributions since.

The Fund Level IRR and MSCI World PME are given in the Hamilton Lane quarterly report.

<sup>\*</sup>Paid in capital and remaining commitment are adjusted for recallable distributions.

PERFORMANCE SUMMARY								
	Quarter	FYTD	YTD/1Y	3 Year	5 Year	Since 06/15		
Total Portfolio - Gross	3.5	7.7	13.7	21.7		19.4		
Total Portfolio - Net	3.0	7.1	12.1	18.7		16.0		
S&P Completion	-18.3	-14.7	-9.6	7.4	5.2	3.9		
<b>Equity - Gross</b>	<b>Equity - Gross</b> 3.5 7.7 13.7 21.7 19.4							
S&P Completion	-18.3	-14.7	-9.6	7.4	5.2	3.9		

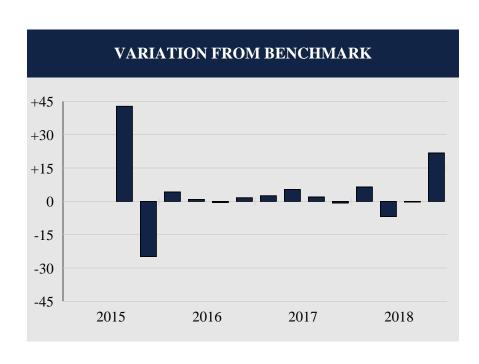
ASSET ALLOCATION						
Equity	100.0%	\$ 665,109				
Total Portfolio	100.0%	\$ 665,109				

# INVESTMENT RETURN

Market Value 9/2018	\$ 635,569
Contribs / Withdrawals	10,562
Income	0
Capital Gains / Losses	18,978
Market Value 12/2018	\$ 665,109

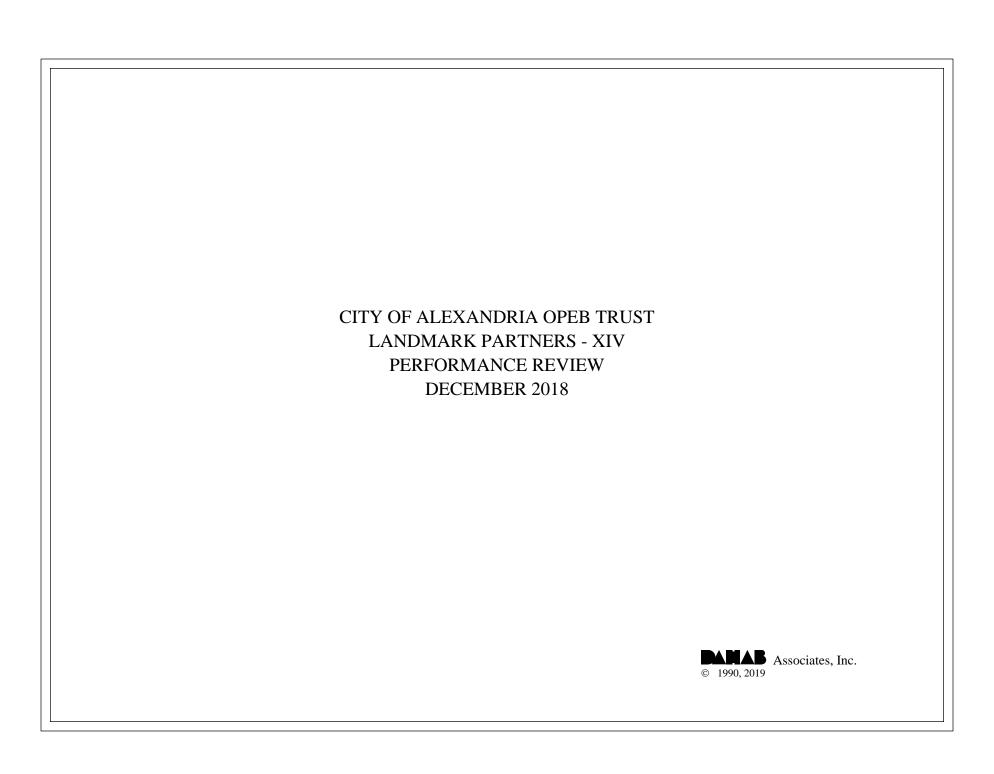
# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

COMPARATIVE BENCHMARK: S&P COMPLETION



Total Quarters Observed	14
Quarters At or Above the Benchmark	9
Quarters Below the Benchmark	5
Batting Average	.643

RATES OF RETURN						
Date	Portfolio	Benchmark	Difference			
9/15	32.2	-10.6	42.8			
12/15	-21.8	3.1	-24.9			
3/16	3.3	-0.9	4.2			
6/16	4.3	3.4	0.9			
9/16	6.7	7.2	-0.5			
12/16	7.2	5.6	1.6			
3/17	7.1	4.6	2.5			
6/17	7.9	2.6	5.3			
9/17	7.0	5.0	2.0			
12/17	4.1	4.8	-0.7			
3/18	6.6	0.1	6.5			
6/18	-1.0	5.9	-6.9			
9/18	4.0	4.3	-0.3			
12/18	3.5	-18.3	21.8			



On December 31st, 2018, the City of Alexandria OPEB Trust's Landmark Partners XIV portfolio was valued at \$105,927, a decrease of \$13,007 from the September ending value of \$118,934. Last quarter, the account recorded a net withdrawal of \$16,740, which overshadowed the fund's net investment return of \$3,733. Barring income receipts during the fourth quarter, the portfolio's net investment return figure was the product of \$3,733 in realized and unrealized capital gains.

#### **RELATIVE PERFORMANCE**

For the fourth quarter, the Landmark Partners XIV account gained 4.5%, which was 22.8% greater than the S&P Completion's return of -18.3%. Over the trailing twelve-month period, the account returned 6.9%, which was 16.5% above the benchmark's -9.6% performance. Since June 2010, the portfolio returned 18.3% per annum, while the S&P Completion returned an annualized 12.1% over the same period.

#### **OPEB Private Equity Investor Report** Landmark Equity Partners XIV, L.P. As of December 31, 2018 \$ **Market Value 105,927** Last Appraisal Date: 12/31/2018 **IRR** Since Inception 10.70% Annualized, net of fees **Initial Commitment** 100.00% 500,000 Paid In Capital 484,447 96.89% Remaining Commitment 15,553 3.11% Net Investment Gain/Loss 145,678 % of % of Recallable **Date** Contributions Commitment Distributions Commitment Distributions 13.13% \$ 2010 65,639 0.00% \$ 7,540 2011 126,080 25.22% \$ 0.00% \$ \$ 32,672 2012 \$ 110,243 22.05% \$ 0.00% \$ 51,391 \$ 2013 86,515 17.30% \$ 0.00% \$ 84,116 \$ 52,278 83,862 2014 10.46% 0.00% \$ \$ 8,075 30,682 Q1 2015 1.62% \$ 0.00% \$ Q2 2015 \$ 3,029 0.61% \$ 0.00% \$ 25,770 Q3 2015 \$ 3,046 0.61% \$ 0.00% \$ 18,861 Q4 2015 \$ 5,187 1.04% \$ 0.00% \$ 17,671 \$ 1,995 0.40% \$ \$ Q1 2016 0.00% 15,162 \$ Q2 2016 0.71% \$ 0.00% \$ 7,823 3,548 Q3 2016 \$ 9,000 1,708 0.34% 0.00% \$ Q4 2016 \$ \$ 0.00% 0.00% \$ 15,750 Q1 2017 \$ 2,979 0.60% \$ 0.00% \$ 4,599 Q2 2017 \$ \$ 0.00% 0.00% \$ 16,605 \$ \$ Q3 2017 9,346 1.87% 0.00% \$ 10,575 \$ O4 2017 1,514 0.30% \$ 0.00% \$ 27,863 \$ \$ Q1 2018 0.00% 0.00% \$ 23,765

Fair market valuations were provided by Landmark Equity Partners, based on current market and company conditions.

484,447

1,529

1,736

\$

\$

\$

Q2 2018

Q3 2018

Q4 2018

**Total** 

0.31%

0.00%

0.35% \$

96.89% \$

\$

\$

12,074

9,941

18,476

524,198

0.00%

0.00%

0.00%

0.00% \$

\$

\$

\$

PERFORMANCE SUMMARY						
	Quarter	FYTD	YTD/1Y	3 Year	5 Year	Since 06/10
Total Portfolio - Gross	4.5	6.0	6.9	3.0	3.9	18.3
Total Portfolio - Net	3.5	3.9	3.1	0.1	1.5	12.8
S&P Completion	-18.3	-14.7	-9.6	7.4	5.2	12.1
<b>Equity - Gross</b>	4.5	6.0	6.9	3.0	3.9	18.3
S&P Completion	-18.3	-14.7	-9.6	7.4	5.2	12.1

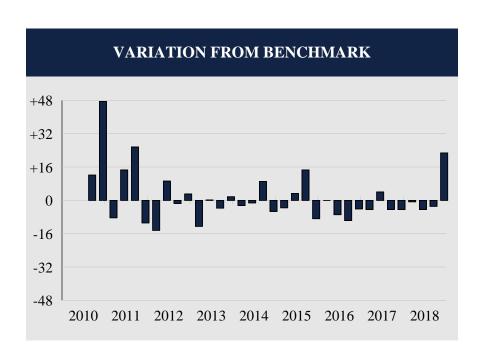
ASSET ALLOCATION						
Equity	100.0%	\$ 105,927				
Total Portfolio	100.0%	\$ 105,927				

# INVESTMENT RETURN

Market Value 9/2018	\$ 118,934
Contribs / Withdrawals	- 16,740
Income	0
Capital Gains / Losses	3,733
Market Value 12/2018	\$ 105,927

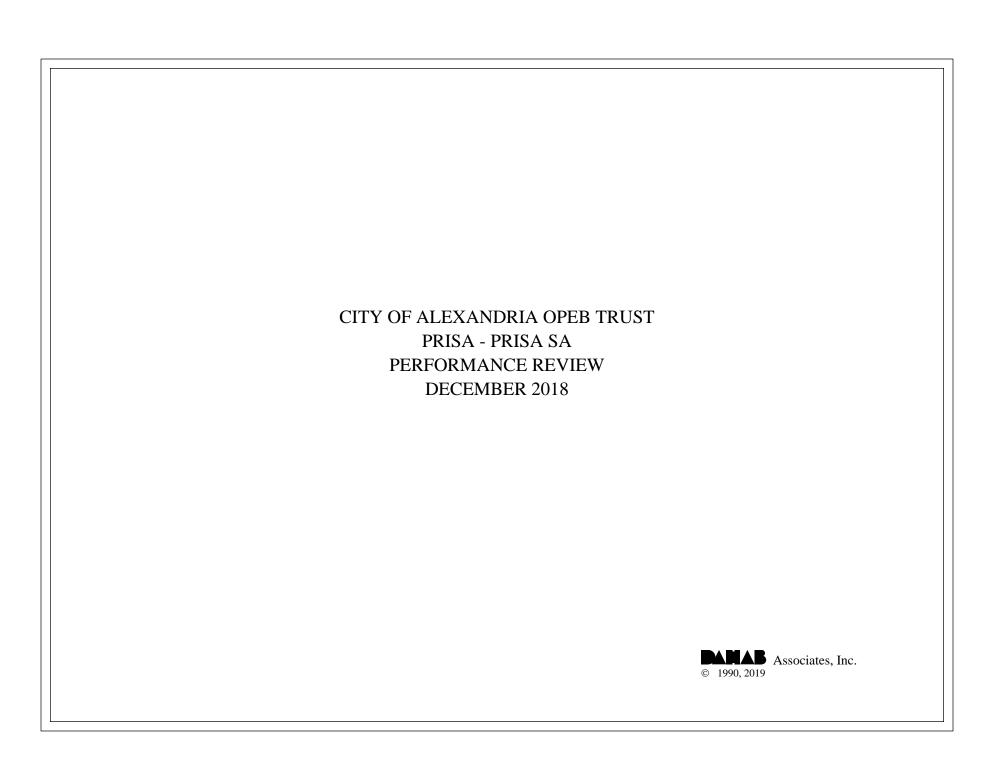
# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

COMPARATIVE BENCHMARK: S&P COMPLETION



<b>Total Quarters Observed</b>	34
Quarters At or Above the Benchmark	14
Quarters Below the Benchmark	20
<b>Batting Average</b>	.412

RATES OF RETURN							
Cumulative							
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff	
9/10	24.5	12.4	12.1	24.5	12.4	12.1	
12/10	62.9	15.4	47.5	102.8	29.7	73.1	
3/11	0.1	8.5	-8.4	103.0	40.8	62.2	
6/11	13.6	-1.0	14.6	130.6	39.4	91.2	
9/11	4.6	-21.0	25.6	141.2	10.1	131.1	
12/11	2.7	13.5	-10.8	147.8	24.9	122.9	
3/12	0.0	14.4	-14.4	147.9	42.9	105.0	
6/12	4.3	-4.9	9.2	158.5	35.9	122.6	
9/12	4.1	5.6	-1.5	169.2	43.5	125.7	
12/12	6.1	3.1	3.0	185.5	48.0	137.5	
3/13	0.4	12.9	-12.5	186.6	67.1	119.5	
6/13	2.5	2.4	0.1	193.7	71.1	122.6	
9/13	6.3	10.1	-3.8	212.2	88.4	123.8	
12/13	10.2	8.5	1.7	244.0	104.5	139.5	
3/14	0.3	2.8	-2.5	245.1	110.2	134.9	
6/14	2.1	3.3	-1.2	252.5	117.1	135.4	
9/14	4.3	-4.8	9.1	267.7	106.7	161.0	
12/14	1.1	6.4	-5.3	271.6	119.9	151.7	
3/15	1.7	5.3	-3.6	277.7	131.5	146.2	
6/15	2.9	-0.4	3.3	288.7	130.5	158.2	
9/15	4.0	-10.6	14.6	304.2	106.1	198.1	
12/15	-5.7	3.1	-8.8	281.1	112.5	168.6	
3/16	-0.9	-0.9	0.0	277.6	110.6	167.0	
6/16	-3.5	3.4	-6.9	264.5	117.7	146.8	
9/16	-2.5	7.2	-9.7	255.6	133.5	122.1	
12/16	1.5	5.6	-4.1	260.8	146.4	114.4	
3/17	0.2	4.6	-4.4	261.4	157.7	103.7	
6/17	6.6	2.6	4.0	285.2	164.5	120.7	
9/17	0.6	5.0	-4.4	287.5	177.6	109.9	
12/17	0.4	4.8	-4.4	288.9	191.0	97.9	
3/18	-0.6	0.1	-0.7	286.6	191.4	95.2	
6/18	1.5	5.9	-4.4	292.4	208.7	83.7	
9/18	1.4	4.3	-2.9	297.9	222.1	75.8	
12/18	4.5	-18.3	22.8	315.9	163.2	152.7	



On December 31st, 2018, the City of Alexandria OPEB Trust's PRISA SA portfolio was valued at \$3,477,382, representing an increase of \$1,577,836 from the September quarter's ending value of \$1,899,546. Last quarter, the Fund posted net contributions equaling \$1,545,354 plus a net investment gain equaling \$32,482. Total net investment return was the result of income receipts, which totaled \$20,306 and net realized and unrealized capital gains of \$12,176.

#### **RELATIVE PERFORMANCE**

For the fourth quarter, the PRISA SA account gained 1.7%, which was 0.1% less than the NCREIF NFI-ODCE Index's return of 1.8%. Over the trailing twelve-month period, the account returned 8.5%, which was 0.2% above the benchmark's 8.3% performance. Since March 2014, the portfolio returned 10.6% per annum, while the NCREIF NFI-ODCE Index returned an annualized 10.4% over the same period.

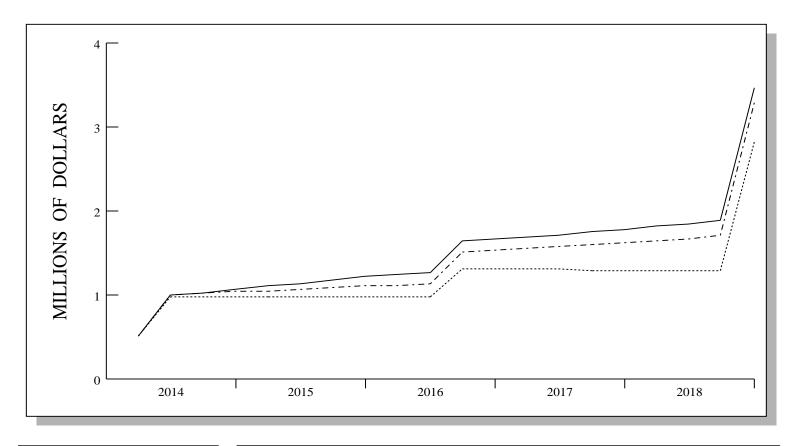
PERFORMANCE SUMMARY						
	Quarter	FYTD	YTD/1Y	3 Year	5 Year	Since 03/14
Total Portfolio - Gross	1.7	4.1	8.5	8.3		10.6
Total Portfolio - Net	1.4	3.5	7.4	7.2		9.5
NCREIF ODCE	1.8	3.9	8.3	8.2	10.4	10.4
Real Assets - Gross	1.7	4.1	8.5	8.3		10.6
NCREIF ODCE	1.8	3.9	8.3	8.2	10.4	10.4

ASSET ALLOCATION						
Real Assets	100.0%	\$ 3,477,382				
Total Portfolio	100.0%	\$ 3,477,382				

# INVESTMENT RETURN

Market Value 9/2018	\$ 1,899,546
Contribs / Withdrawals	1,545,354
Income	20,306
Capital Gains / Losses	12,176
Market Value 12/2018	\$ 3,477,382

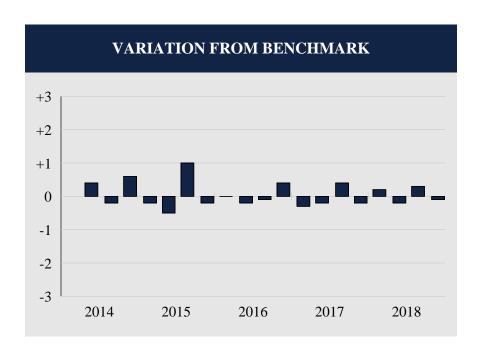
# **INVESTMENT GROWTH**



VALUE ASSUMING
7.5% RETURN \$ 3,295,938

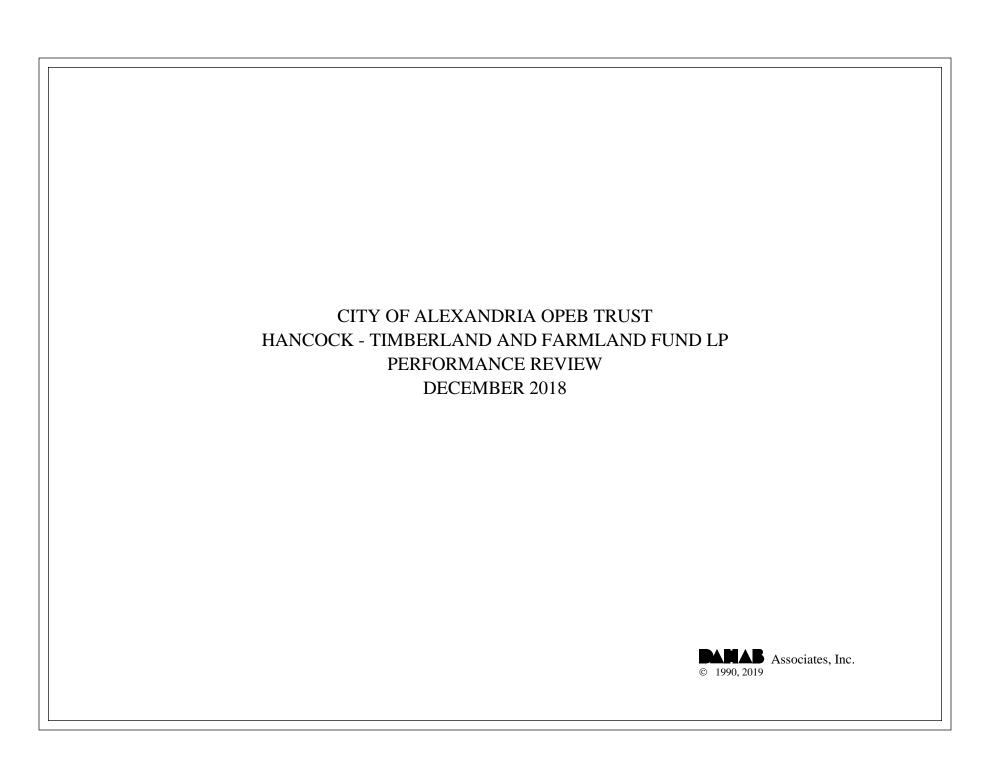
	LAST QUARTER	PERIOD 3/14 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	\$ 1,899,546 1,545,354 32,482 \$ 3,477,382	\$ 520,605 2,316,764 640,013 \$ 3,477,382
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	$ \begin{array}{r} 20,306 \\ 12,176 \\ \hline 32,482 \end{array} $	327,837 312,176 640,013

# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY COMPARATIVE BENCHMARK: NCREIF NFI-ODCE INDEX



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

RATES OF RETURN								
Cumulative								
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff		
6/14	3.3	2.9	0.4	3.3	2.9	0.4		
9/14	3.0	3.2	-0.2	6.4	6.3	0.1		
12/14	3.9	3.3	0.6	10.5	9.7	0.8		
3/15	3.2	3.4	-0.2	14.1	13.4	0.7		
6/15	3.3	3.8	-0.5	17.8	17.8	0.0		
9/15	4.7	3.7	1.0	23.4	22.1	1.3		
12/15	3.1	3.3	-0.2	27.2	26.2	1.0		
3/16	2.2	2.2	0.0	30.0	28.9	1.1		
6/16	1.9	2.1	-0.2	32.4	31.7	0.7		
9/16	2.0	2.1	-0.1	35.1	34.4	0.7		
12/16	2.5	2.1	0.4	38.5	37.2	1.3		
3/17	1.5	1.8	-0.3	40.6	39.7	0.9		
6/17	1.5	1.7	-0.2	42.7	42.0	0.7		
9/17	2.3	1.9	0.4	46.0	44.7	1.3		
12/17	1.9	2.1	-0.2	48.8	47.7	1.1		
3/18	2.4	2.2	0.2	52.4	50.9	1.5		
6/18	1.8	2.0	-0.2	55.1	54.0	1.1		
9/18	2.4	2.1	0.3	58.8	57.3	1.5		
12/18	1.7	1.8	-0.1	61.5	60.0	1.5		



On December 31st, 2018, the City of Alexandria OPEB Trust's Hancock Timberland and Farmland Fund LP portfolio was valued at \$1,218,782, representing an increase of \$41,911 from the September quarter's ending value of \$1,176,871. Last quarter, the Fund posted withdrawals totaling \$8,625, which partially offset the portfolio's net investment return of \$50,536. Since there were no income receipts for the fourth quarter, the portfolio's net investment return figure was the product of net realized and unrealized capital gains totaling \$50,536.

#### **RELATIVE PERFORMANCE**

#### **Total Fund**

Than Hancock Timberland and Farmland Fund was funded in Q1 of 2018.

During the fourth quarter, the Hancock Timberland and Farmland Fund LP account returned 4.5%, which was 3.5% above the NCREIF Timber Index's return of 1.0%.

PERFORMANCE SUMMARY						
	Quarter	FYTD	YTD/1Y	3 Year	5 Year	Since 03/18
Total Portfolio - Gross	4.5	3.7				12.9
Total Portfolio - Net	4.3	3.1				12.1
NCREIF Timber	1.0	2.0	3.4	3.2	5.0	2.5
Real Assets - Gross	4.5	3.7				12.9
NCREIF Timber	1.0	2.0	3.4	3.2	5.0	2.5

ASSET ALLOCATION					
Real Assets	100.0%	\$ 1,218,782			
Total Portfolio	100.0%	\$ 1,218,782			

# INVESTMENT RETURN

 Market Value 9/2018
 \$ 1,176,871

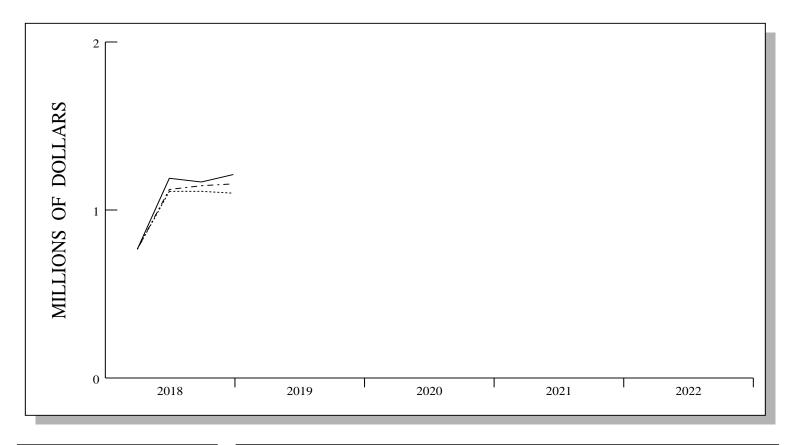
 Contribs / Withdrawals
 - 8,625

 Income
 0

 Capital Gains / Losses
 50,536

 Market Value 12/2018
 \$ 1,218,782

### **INVESTMENT GROWTH**



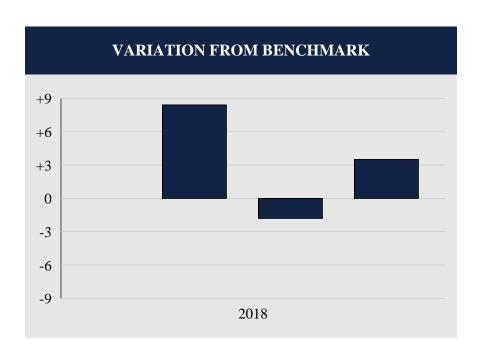
------ ACTUAL RETURN
------ 7.5%
------ 0.0%

VALUE ASSUMING
7.5% RETURN \$ 1,160,998

	LAST QUARTER	PERIOD 3/18 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	\$ 1,176,871 - 8,625 50,536 \$ 1,218,782	\$ 767,975 334,995 115,812 \$ 1,218,782
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	$\frac{0\\50,536}{50,536}$	$ \begin{array}{r} 0 \\ 115,812 \\ \hline 115,812 \end{array} $

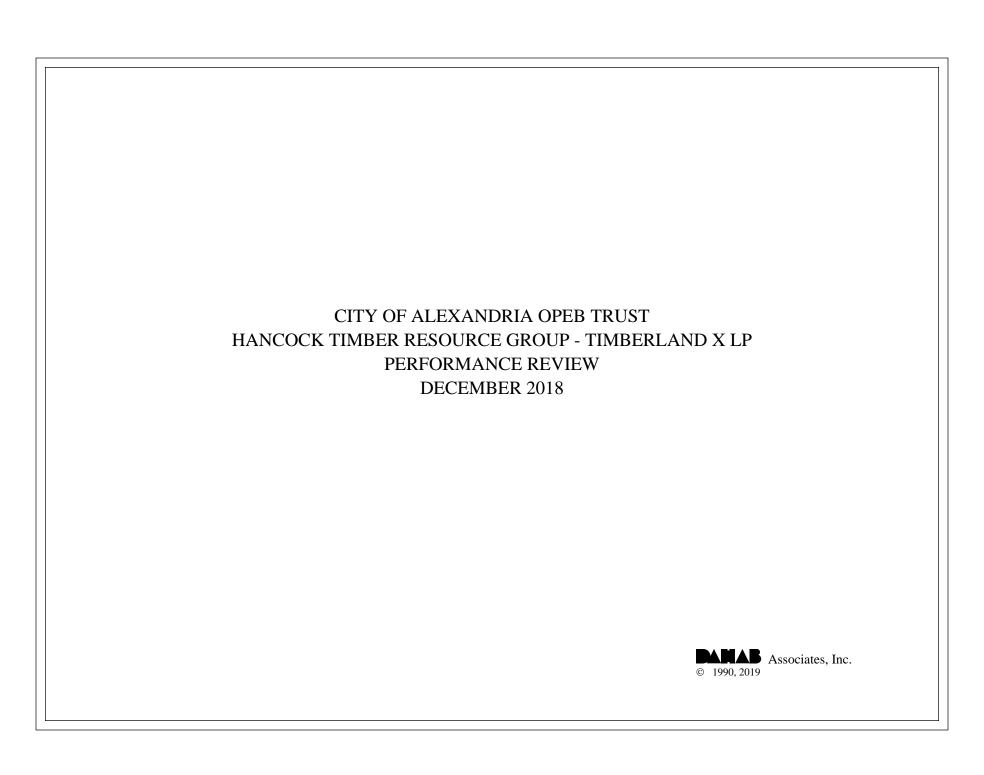
# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

#### COMPARATIVE BENCHMARK: NCREIF TIMBER INDEX



3
2
1
.667

RATES OF RETURN							
Date	Portfolio	Benchmark	Difference				
6/18	8.9	0.5	8.4				
9/18	-0.8	1.0	-1.8				
12/18	4.5	1.0	3.5				



On December 31st, 2018, the City of Alexandria OPEB Trust's Hancock Timber Resource Group Timberland X LP portfolio was valued at \$721,124, a decrease of \$8,142 from the September ending value of \$729,266. Last quarter, the account recorded total net withdrawals of \$8,142.

#### **RELATIVE PERFORMANCE**

Data for the Hancock Timberland X portfolio was unavailable at the time of this report's creation. For that reason, last quarter's valuation was carried forward, and was adjusted for any calls or distributions. This handling will result in a 0.0% return for the current quarter.

Over the trailing year, the portfolio returned 2.6%, which was 0.8% below the benchmark's 3.4% return. Since June 2010, the portfolio returned 11.2% annualized, while the NCREIF Timber Index returned an annualized 5.0% over the same period.

Timber Equity Investor Report							
Hancock - Timberland X LP							
<b>December 31, 2018</b>							
<b>Market Value \$ 721,124</b> Last Appraisal Date: 9/30/2018*							
Since Inception IRR 7.6% Annualized, Net of Fees							
Capital Commitment	\$	500,000	100.00%				
Net Investment Gain/Loss	\$	344,127					
Date	Co	ntributions	% of Commitment	Dis	tributions		
5/3/2010	\$	37,802	7.56%	\$	-		
6/17/2010	\$	128,526	25.71%	\$	-		
2/1/2011	\$	97,557	19.51%	\$	-		
9/29/2011	\$	-	-	\$	4,362		
5/24/2012	\$	72,696	14.54%	\$	-		
7/10/2012	\$	163,420	32.68%	\$	-		
12/27/2012	\$	-	-	\$	2,908		
12/30/2013	\$	-	-	\$	1,454		
3/28/2014	\$	-	-	\$	2,908		
6/27/2014	\$	-	-	\$	4,798		
9/29/2014	\$	-	-	\$	2,181		
12/30/2014	\$	-	-	\$	14,539		
3/30/2015	\$	-	-	\$	4,362		
6/29/2015	\$	-	-	\$	4,362		
9/29/2015	\$	-	-	\$	2,908		
6/30/2016	\$	-	-	\$	3,635		
9/30/2016	\$	-	-	\$	8,723		

500,000 Valuations of non-public securities are provided by Hancock, based on current market and company conditions.

\$

\$

12/29/2016

3/31/2017

6/30/2017

8/31/2017

12/31/2017

3/31/2018

6/30/2018

9/30/2018

12/31/2018

Total

\$

\$

\$

\$

\$

\$

100.00%

5,089

3,489

6,543

9,596

7,997

5,816

7,706

11,486

8,142

123,003

<sup>\*</sup>The market value is as of last appraisal date adjusted for distributions.

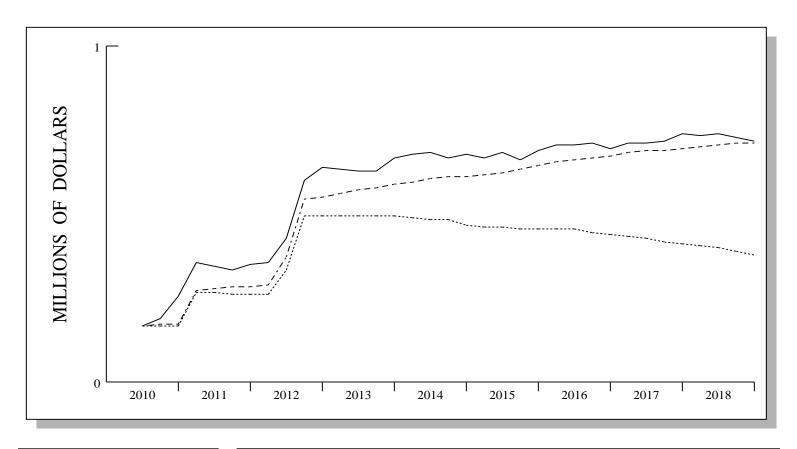
PERFORMANCE SUMMARY							
	Quarter	FYTD	YTD /1Y	3 Year	5 Year	Since 06/10	
Total Portfolio - Gross	0.0	0.3	2.6	5.9	5.5	11.2	
Total Portfolio - Net	0.0	0.1	1.9	5.0	4.9	10.0	
NCREIF Timber	1.0	2.0	3.4	3.2	5.0	5.0	
Real Assets - Gross	0.0	0.3	2.6	5.9	5.5	11.2	
NCREIF Timber	1.0	2.0	3.4	3.2	5.0	5.0	

ASSET ALLOCATION			
Real Assets	100.0%	\$ 721,124	
Total Portfolio	100.0%	\$ 721,124	

# INVESTMENT RETURN

Market Value 9/2018	\$ 729,266
Contribs / Withdrawals	- 8,142
Income	0
Capital Gains / Losses	0
Market Value 12/2018	\$ 721,124

### **INVESTMENT GROWTH**



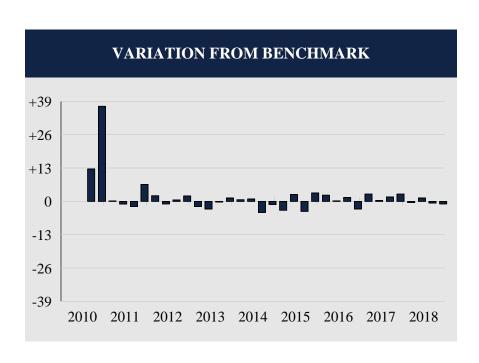
------ ACTUAL RETURN
------ 7.5%
------ 0.0%

VALUE ASSUMING
7.5% RETURN \$ 716,377

	LAST QUARTER	PERIOD 6/10 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	\$ 729,266 - 8,142 0 \$ 721,124	\$ 170,401 210,669 340,054 \$ 721,124
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN		$\frac{0}{340,054}$ 340,054

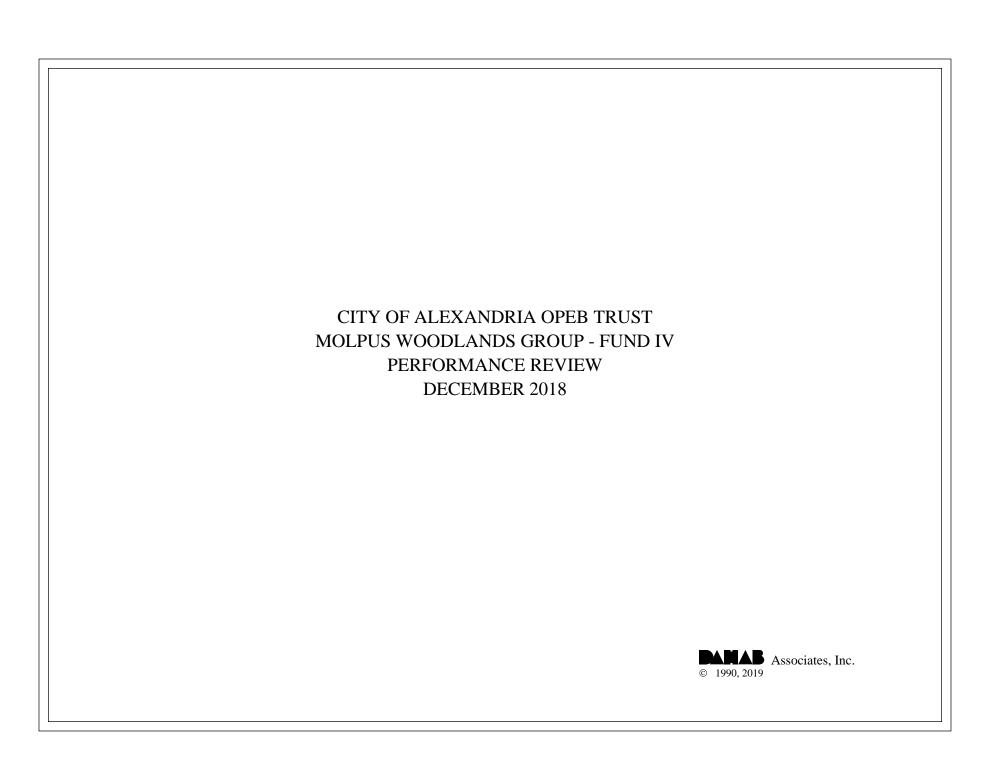
# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

## COMPARATIVE BENCHMARK: NCREIF TIMBER INDEX



<b>Total Quarters Observed</b>	34
Quarters At or Above the Benchmark	20
<b>Quarters Below the Benchmark</b>	14
Batting Average	.588

RATES OF RETURN									
				Cur	nulative				
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff			
9/10	12.5	-0.1	12.6	12.5	-0.1	12.6			
12/10	36.3	-0.8	37.1	53.3	-0.9	54.2			
3/11	0.8	0.7	0.1	54.5	-0.2	54.7			
6/11	-0.4	0.7	-1.1	53.9	0.5	53.4			
9/11	-2.4	-0.3	-2.1	50.2	0.1	50.1			
12/11	7.1	0.5	6.6	60.9	0.6	60.3			
3/12	2.6	0.4	2.2	65.1	1.0	64.1			
6/12	-0.4	0.6	-1.0	64.4	1.6	62.8			
9/12	1.3	0.8	0.5	66.5	2.4	64.1			
12/12	8.0	5.9	2.1	79.8	8.4	71.4			
3/13	-0.6	1.5	-2.1	78.8	10.1	68.7			
6/13	-2.1	0.9	-3.0	75.0	11.1	63.9			
9/13	0.7	1.0	-0.3	76.2	12.3	63.9			
12/13	7.2	5.9	1.3	88.9	18.9	70.0			
3/14	2.2	1.6	0.6	93.1	20.8	72.3			
6/14	2.0	1.1	0.9	97.1	22.1	75.0			
9/14	-2.8	1.5	-4.3	91.5	23.9	67.6			
12/14	4.8	6.0	-1.2	100.8	31.4	69.4			
3/15	-1.7	1.8	-3.5	97.5	33.7	63.8			
6/15	3.2	0.5	2.7	103.9	34.4	69.5			
9/15	-3.1	0.8	-3.9	97.5	35.4	62.1			
12/15	5.2	1.9	3.3	107.8	37.9	69.9			
3/16	2.1	-0.3	2.4	112.1	37.6	74.5			
6/16	1.2	1.0	0.2	114.7	38.9	75.8			
9/16	2.2	0.7	1.5	119.4	39.8	79.6			
12/16	-1.8	1.2	-3.0	115.4	41.5	73.9			
3/17	3.6	0.8	2.8	123.1	42.6	80.5			
6/17	1.0	0.7	0.3	125.4	43.6	81.8			
9/17	2.3	0.6	1.7	130.6	44.4	86.2			
12/17	4.3	1.5	2.8	140.5	46.6	93.9			
3/18	0.4	0.9	-0.5	141.5	48.0	93.5			
6/18	1.8	0.5	1.3	145.9	48.7	97.2			
9/18	0.3	1.0	-0.7	146.8	50.2	96.6			
12/18	0.0	1.0	-1.0	146.8	51.7	95.1			



#### **INVESTMENT RETURN**

On December 31st, 2018, the City of Alexandria OPEB Trust's Molpus Woodlands Group Fund IV portfolio was valued at \$883,291, a decrease of \$26,592 from the September ending value of \$909,883. Last quarter, the account recorded no net contributions or withdrawals, while recording a net investment loss for the quarter of \$26,592. Since there were no income receipts for the fourth quarter, net investment losses were the result of capital losses (realized and unrealized).

#### RELATIVE PERFORMANCE

Molpus Woodlands Fund IV was funded in September 2015.

During the fourth quarter, the Molpus Woodlands Group Fund IV portfolio lost 2.7%, which was 3.7% below the NCREIF Timber Index's return of 1.0%. Over the trailing twelve-month period, the portfolio returned -1.9%, which was 5.3% less than the benchmark's 3.4% return. Since September 2015, the Molpus Woodlands Group Fund IV portfolio returned 1.8% on an annualized basis, while the NCREIF Timber Index returned an annualized 3.5% over the same time frame.

Timber Investor Report Molpus Woodlands Fund IV As of December 31, 2018								
Market Value	\$	883,291	Last Appraisal	Date:	12/31/201	8		
Initial Commitment	\$	1,000,000	100.00%					
Capital Committed	\$	906,000	90.60%					
Remaining Commitment	\$	56,641	5.66%					
Fund IRR		0.63%						
			% of	Re	callable	% of		
Date	Co	ntributions	Commitment	Cont	ributions	Commitment	Dis	tributions
Q3 2015	\$	25,000	2.50%	\$	-	0.00%	\$	-
Q4 2015	\$	415,000	41.50%	\$	-	0.00%	\$	-
Q1 2016	\$	60,000	6.00%	\$	-	0.00%	\$	-
Q2 2016	\$	-	0.00%	\$	-	0.00%	\$	-
Q3 2016	\$	-	0.00%	\$	-	0.00%	\$	4,528
Q4 2016	\$	337,000	33.70%	\$	-	0.00%	\$	-
Q1 2017	\$	-	0.00%	\$	-	0.00%	\$	5,283
Q3 2017	\$	-	0.00%	\$	-	0.00%	\$	6,793
Q4 2017	\$	-	0.00%	\$	-	0.00%	\$	6,038
Q1 2018	\$	69,000	6.90%	\$	-	0.00%	\$	-
Q2 2018	\$	-	0.00%	\$	-	0.00%	\$	6,038
Q3 2018	\$	-	0.00%	\$	-	0.00%	\$	8,679
Total	\$	906,000	90.60%	\$	-	0.00%	\$	37,359

Valuations of non-public securities are provided by Molpus, based on current market and company conditions.

<sup>\*</sup>The value shown is as of the last appraisal date, adjusted for all contributions and distributions.

## **EXECUTIVE SUMMARY**

PERFORMANCE SUMMARY										
	Quarter	FYTD	YTD/1Y	3 Year	5 Year	Since 09/15				
Total Portfolio - Gross	-2.7	-2.6	-1.9	2.3		1.8				
Total Portfolio - Net	-2.9	-3.1	-2.9	1.4		0.7				
NCREIF Timber	1.0	2.0	3.4	3.2	5.0	3.5				
Real Assets - Gross	-2.7	-2.6	-1.9	2.3		1.8				
NCREIF Timber	1.0	2.0	3.4	3.2	5.0	3.5				

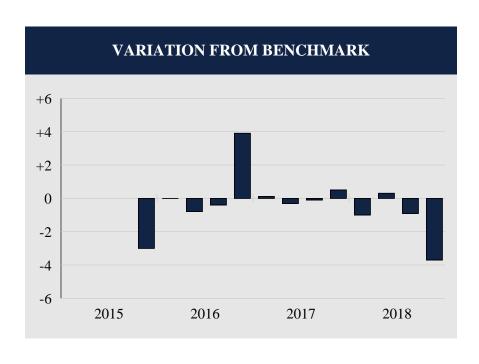
ASSET ALLOCATION							
100.0%	\$ 883,291						
100.0%	\$ 883,291						
	100.0%						

## INVESTMENT RETURN

Market Value 9/2018	\$ 909,883
Contribs / Withdrawals	0
Income	0
Capital Gains / Losses	- 26,592
Market Value 12/2018	\$ 883,291

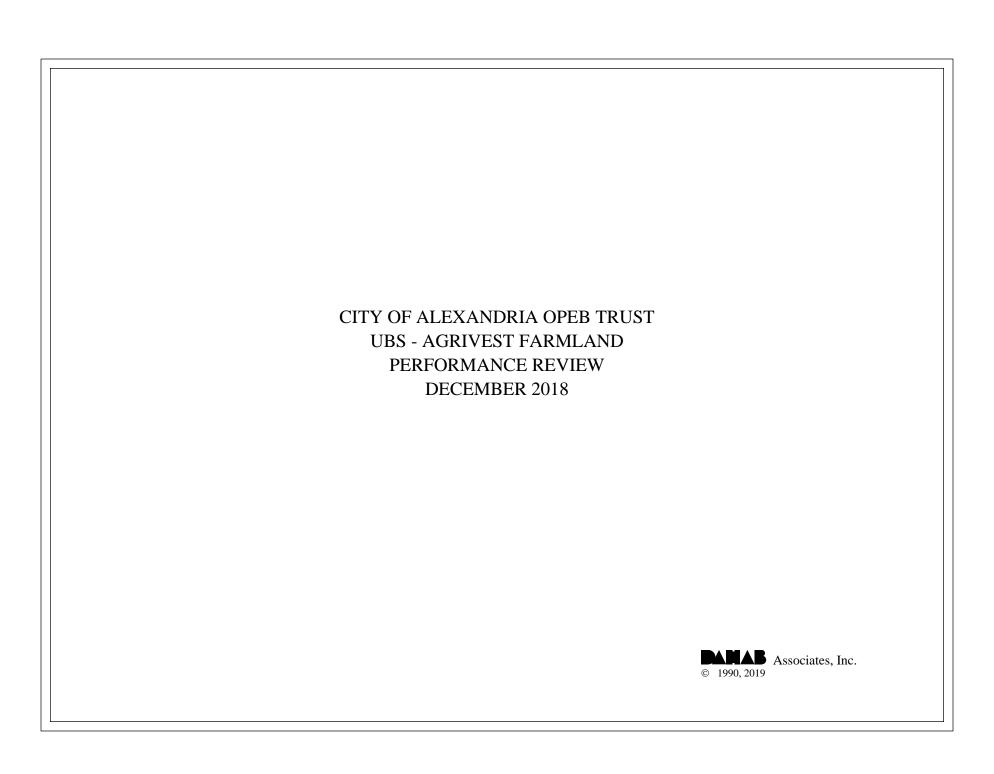
# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

## COMPARATIVE BENCHMARK: NCREIF TIMBER INDEX



<b>Total Quarters Observed</b>	13
Quarters At or Above the Benchmark	5
<b>Quarters Below the Benchmark</b>	8
Batting Average	.385

RATES OF RETURN								
Date	Portfolio	Benchmark	Difference					
12/15	-1.1	1.9	-3.0					
3/16	-0.3	-0.3	0.0					
6/16	0.2	1.0	-0.8					
9/16	0.3	0.7	-0.4					
12/16	5.1	1.2	3.9					
3/17	0.9	0.8	0.1					
6/17	0.4	0.7	-0.3					
9/17	0.5	0.6	-0.1					
12/17	2.0	1.5	0.5					
3/18	-0.1	0.9	-1.0					
6/18	0.8	0.5	0.3					
9/18	0.1	1.0	-0.9					
12/18	-2.7	1.0	-3.7					



#### **INVESTMENT RETURN**

On December 31st, 2018, the City of Alexandria OPEB Trust's UBS AgriVest Farmland portfolio was valued at \$1,298,217, representing an increase of \$13,170 from the September quarter's ending value of \$1,285,047. Last quarter, the Fund posted withdrawals totaling \$3,208, which partially offset the portfolio's net investment return of \$16,378. Income receipts totaling \$10,872 plus net realized and unrealized capital gains of \$5,506 combined to produce the portfolio's net investment return.

#### **RELATIVE PERFORMANCE**

For the fourth quarter, the UBS AgriVest Farmland account gained 1.3%, which was 1.5% less than the NCREIF Farmland Index's return of 2.8%. Over the trailing twelve-month period, the account returned 5.7%, which was 1.0% below the benchmark's 6.7% performance. Since March 2014, the portfolio returned 6.3% per annum, while the NCREIF Farmland Index returned an annualized 8.5% over the same period.

<b>Private Equity Investor Report</b>
<b>UBS AgriVest Farmland Fund</b>
As of December 31st, 2018

Market Value	\$ 1,298,217	Last Appraisal Date: 12/31/2018
Initial Commitment	\$ 1,000,000	100.00%
Capital Committed	\$ 1,000,000	100.00%
Remaining Commitment	\$ -	0.00%
Net Investment Income/(Loss)	\$ 162,686	

			% of		Recallable	% of	Dividend	
Date	Co	ntributions	Commitment	Co	ntributions	Commitment	Re	einvestments
2014	\$	1,000,000	100.00%	\$	-	0.00%	\$	21,269
Q1 2015	\$	-	0.00%	\$	-	0.00%	\$	12,832
Q2 2015	\$	-	0.00%	\$	-	0.00%	\$	11,807
Q3 2015	\$	-	0.00%	\$	_	0.00%	\$	4,178
Q4 2015	\$	-	0.00%	\$	-	0.00%	\$	5,992
Q1 2016	\$	-	0.00%	\$	-	0.00%	\$	9,037
Q2 2016	\$	-	0.00%	\$	_	0.00%	\$	9,110
Q3 2016	\$	-	0.00%	\$	_	0.00%	\$	6,122
Q4 2016	\$	-	0.00%	\$	-	0.00%	\$	4,308
Q1 2017	\$	-	0.00%	\$	_	0.00%	\$	6,533
Q2 2017	\$	-	0.00%	\$	-	0.00%	\$	9,363
Q3 2017	\$	-	0.00%	\$	_	0.00%	\$	6,291
Q4 2017	\$	-	0.00%	\$	-	0.00%	\$	4,427
Q1 2018	\$	-	0.00%	\$	_	0.00%	\$	12,058
Q2 2018	\$	-	0.00%	\$	-	0.00%	\$	7,691
Q3 2018	\$	-	0.00%	\$	-	0.00%	\$	4,514
Q4 2018	\$		0.00%	\$		0.00%	\$	4,530
Total	\$	1,000,000	100.00%	\$	-	0.00%	\$	140,062

Valuations of non-public securities are provided by UBS, based on current market and company conditions.

## **EXECUTIVE SUMMARY**

PERFORMANCE SUMMARY										
	Quarter	FYTD	YTD/1Y	3 Year	5 Year	Since 03/14				
Total Portfolio - Gross	1.3	2.3	5.7	6.0		6.3				
Total Portfolio - Net	1.0	1.7	4.6	4.9		5.3				
NCREIF Farmland	2.8	4.2	6.7	6.7	8.6	8.5				
Real Assets - Gross	1.3	2.3	5.7	6.0		6.3				
NCREIF Farmland	2.8	4.2	6.7	6.7	8.6	8.5				

ASSET ALLOCATION					
Real Assets	100.0%	\$ 1,298,217			
Total Portfolio	100.0%	\$ 1,298,217			

## INVESTMENT RETURN

 Market Value 9/2018
 \$ 1,285,047

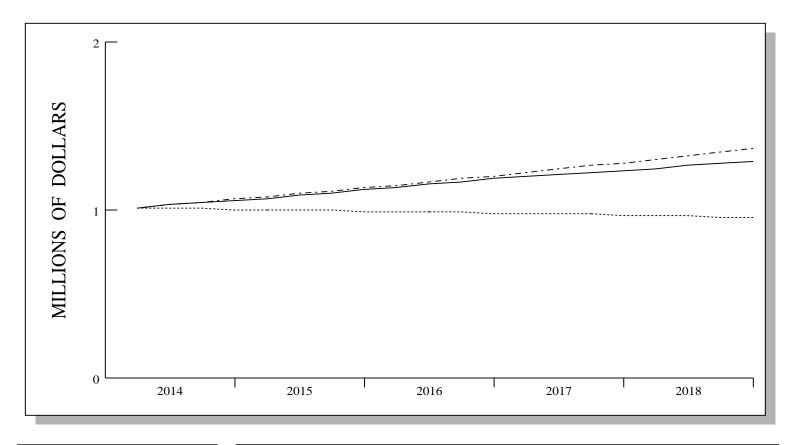
 Contribs / Withdrawals
 - 3,208

 Income
 10,872

 Capital Gains / Losses
 5,506

 Market Value 12/2018
 \$ 1,298,217

## **INVESTMENT GROWTH**

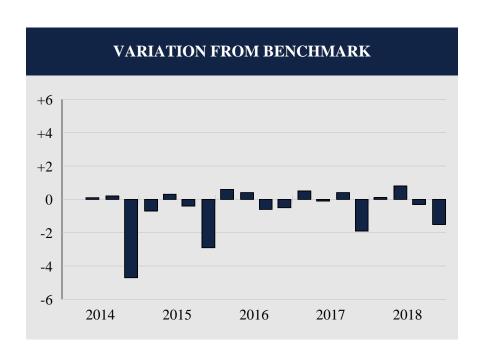


------ ACTUAL RETURN
------ 7.5%
------ 0.0%

VALUE ASSUMING
7.5% RETURN \$ 1,370,375

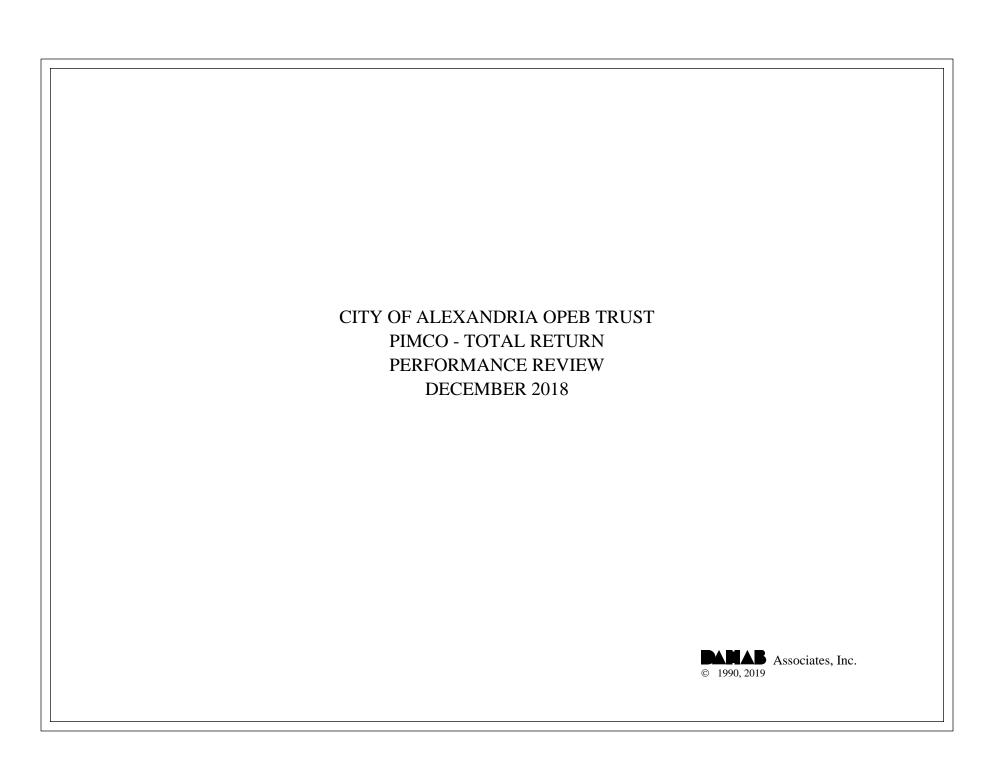
	LAST QUARTER	PERIOD 3/14 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	\$ 1,285,047 - 3,208 16,378 \$ 1,298,217	\$ 1,018,069 - 55,207 335,355 \$ 1,298,217
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	10,872 5,506 16,378	188,154 147,201 335,355

# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY COMPARATIVE BENCHMARK: NCREIF FARMLAND INDEX



<b>Total Quarters Observed</b>	19
Quarters At or Above the Benchmark	9
<b>Quarters Below the Benchmark</b>	10
Batting Average	.474

RATES OF RETURN							
Cumulative							
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff	
6/14	1.8	1.7	0.1	1.8	1.7	0.1	
9/14	1.7	1.5	0.2	3.5	3.2	0.3	
12/14	1.9	6.6	-4.7	5.4	10.0	-4.6	
3/15	1.4	2.1	-0.7	6.8	12.3	-5.5	
6/15	1.5	1.2	0.3	8.5	13.6	-5.1	
9/15	2.1	2.5	-0.4	10.7	16.3	-5.6	
12/15	1.4	4.3	-2.9	12.3	21.4	-9.1	
3/16	2.0	1.4	0.6	14.6	23.0	-8.4	
6/16	1.7	1.3	0.4	16.6	24.6	-8.0	
9/16	0.8	1.4	-0.6	17.6	26.3	-8.7	
12/16	2.4	2.9	-0.5	20.4	30.0	-9.6	
3/17	1.0	0.5	0.5	21.6	30.6	-9.0	
6/17	1.5	1.6	-0.1	23.5	32.7	-9.2	
9/17	1.4	1.0	0.4	25.2	34.1	-8.9	
12/17	1.0	2.9	-1.9	26.5	38.0	-11.5	
3/18	1.4	1.3	0.1	28.3	39.8	-11.5	
6/18	1.9	1.1	0.8	30.7	41.4	-10.7	
9/18	1.0	1.3	-0.3	32.0	43.2	-11.2	
12/18	1.3	2.8	-1.5	33.7	47.3	-13.6	



#### **INVESTMENT RETURN**

On December 31st, 2018, the City of Alexandria OPEB Trust's PIMCO Total Return portfolio was valued at \$12,897,087, representing an increase of \$176,439 from the September quarter's ending value of \$12,720,648. Last quarter, the Fund posted no net contributions or withdrawals, while posting \$176,439 in net investment returns. Income receipts totaling \$137,019 plus net realized and unrealized capital gains of \$39,420 combined to produce the portfolio's net investment return figure.

#### RELATIVE PERFORMANCE

#### **Total Fund**

For the fourth quarter, the PIMCO Total Return portfolio returned 1.5%, which was 0.1% below the Bloomberg Barclays Aggregate Index's return of 1.6% and ranked in the 41st percentile of the Core Fixed Income universe. Over the trailing year, this portfolio returned 0.2%, which was 0.2% greater than the benchmark's 0.0% return, ranking in the 41st percentile. Since June 2011, the account returned 3.4% on an annualized basis and ranked in the 21st percentile. The Bloomberg Barclays Aggregate Index returned an annualized 2.6% over the same time frame.

## **EXECUTIVE SUMMARY**

PERFORMANCE SUMMARY								
Quarter FYTD YTD/1Y 3 Year 5 Year Since 06/2								
Total Portfolio - Gross	1.5	1.7	0.2	2.9	3.1	3.4		
CORE FIXED INCOME RANK	(41)	(30)	(41)	(16)	(35)	(21)		
Total Portfolio - Net	1.4	1.5	-0.3	2.5	2.6	2.9		
Aggregate Index	1.6	1.7	0.0	2.1	2.5	2.6		
Fixed Income - Gross	1.5	1.7	0.2	2.9	3.1	3.4		
CORE FIXED INCOME RANK	(41)	(30)	(41)	(16)	(35)	(21)		
Aggregate Index	1.6	1.7	0.0	2.1	2.5	2.6		

ASSET ALLOCATION				
Fixed Income	100.0%	\$ 12,897,087		
Total Portfolio	100.0%	\$ 12,897,087		

## INVESTMENT RETURN

 Market Value 9/2018
 \$ 12,720,648

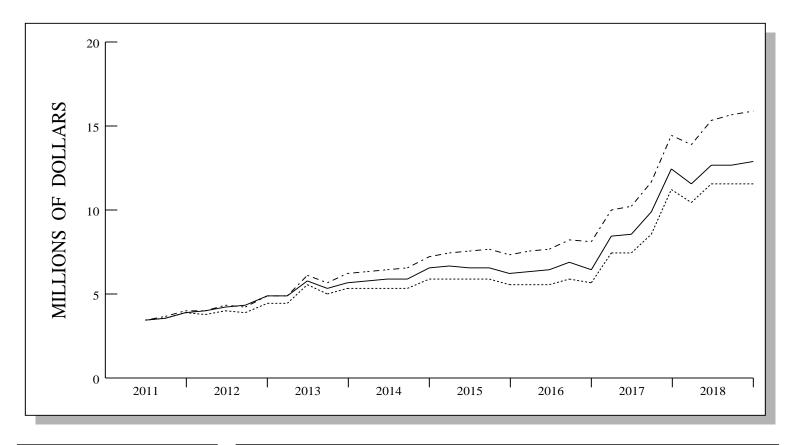
 Contribs / Withdrawals
 0

 Income
 137,019

 Capital Gains / Losses
 39,420

 Market Value 12/2018
 \$ 12,897,087

## **INVESTMENT GROWTH**

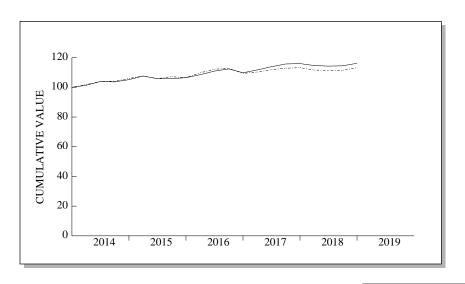


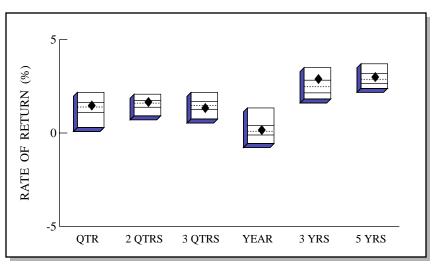
------ ACTUAL RETURN
------ 7.5%
------ 0.0%

VALUE ASSUMING
7.5% RETURN \$ 15,975,108

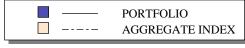
	LAST QUARTER	PERIOD 6/11 - 12/18
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	$\begin{array}{c} \$\ 12,720,648 \\ 0 \\ \hline 176,439 \\ \$\ 12,897,087 \end{array}$	\$ 3,462,980 8,185,300 1,248,807 \$ 12,897,087
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	$\frac{137,019}{39,420}$ $176,439$	$ \begin{array}{r} 1,994,789 \\ -745,982 \\ \hline 1,248,807 \end{array} $

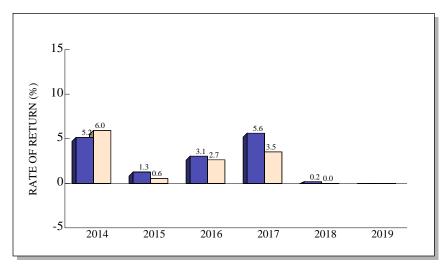
# TOTAL RETURN COMPARISONS





Core Fixed Income Universe



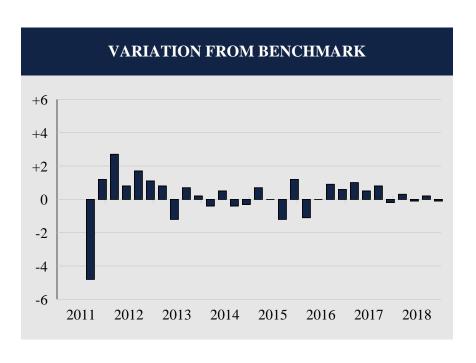


					ANNUA	ALIZED
	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	1.5	1.7	1.4	0.2	2.9	3.1
(RANK)	(41)	(30)	(67)	(41)	(16)	(35)
5TH %ILE	2.2	2.1	2.2	1.3	3.5	3.7
25TH %ILE	1.6	1.7	1.7	0.4	2.8	3.2
MEDIAN	1.4	1.6	1.5	0.1	2.5	2.9
75TH %ILE	1.1	1.4	1.3	-0.1	2.2	2.6
95TH %ILE	0.3	0.9	0.7	-0.6	1.8	2.4
Agg	1.6	1.7	1.5	0.0	2.1	2.5

Core Fixed Income Universe

# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY

## COMPARATIVE BENCHMARK: BLOOMBERG BARCLAYS AGGREGATE INDEX



Total Quarters Observed	30
Quarters At or Above the Benchmark	20
<b>Quarters Below the Benchmark</b>	10
Batting Average	.667

Date         Portfolio         Bench         Diff         Portfolio         Bench         Diff           9/11         -1.0         3.8         -4.8         -1.0         3.8         -4.8           12/11         2.3         1.1         1.2         1.4         5.0         -3.6           3/12         3.0         0.3         2.7         4.4         5.3         -0.9           6/12         2.9         2.1         0.8         7.4         7.5         -0.1           9/12         3.3         1.6         1.7         10.9         9.2         1.7           12/12         1.3         0.2         1.1         12.4         9.4         3.0           3/13         0.7         -0.1         0.8         13.2         9.3         3.9           6/13         -3.5         -2.3         -1.2         9.2         6.8         2.4           9/13         1.3         0.6         0.7         10.6         7.4         3.2           12/13         0.1         -0.1         0.2         10.7         7.2         3.5           3/14         1.4         1.8         -0.4         12.3         9.2         3.1	RATES OF RETURN								
9/11         -1.0         3.8         -4.8         -1.0         3.8         -4.8           12/11         2.3         1.1         1.2         1.4         5.0         -3.6           3/12         3.0         0.3         2.7         4.4         5.3         -0.9           6/12         2.9         2.1         0.8         7.4         7.5         -0.1           9/12         3.3         1.6         1.7         10.9         9.2         1.7           12/12         1.3         0.2         1.1         12.4         9.4         3.0           3/13         0.7         -0.1         0.8         13.2         9.3         3.9           6/13         -3.5         -2.3         -1.2         9.2         6.8         2.4           9/13         1.3         0.6         0.7         10.6         7.4         3.2           12/13         0.1         -0.1         0.2         10.7         7.2         3.5           3/14         1.4         1.8         -0.4         12.3         9.2         3.1           6/14         2.5         2.0         0.5         15.1         11.4         3.7	Cumulative								
12/11         2.3         1.1         1.2         1.4         5.0         -3.6           3/12         3.0         0.3         2.7         4.4         5.3         -0.9           6/12         2.9         2.1         0.8         7.4         7.5         -0.1           9/12         3.3         1.6         1.7         10.9         9.2         1.7           12/12         1.3         0.2         1.1         12.4         9.4         3.0           3/13         0.7         -0.1         0.8         13.2         9.3         3.9           6/13         -3.5         -2.3         -1.2         9.2         6.8         2.4           9/13         1.3         0.6         0.7         10.6         7.4         3.2           12/13         0.1         -0.1         0.2         10.7         7.2         3.5           3/14         1.4         1.8         -0.4         12.3         9.2         3.1           6/14         2.5         2.0         0.5         15.1         11.4         3.7           9/14         -0.2         0.2         -0.4         14.8         11.6         3.2	Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff		
3/12         3.0         0.3         2.7         4.4         5.3         -0.9           6/12         2.9         2.1         0.8         7.4         7.5         -0.1           9/12         3.3         1.6         1.7         10.9         9.2         1.7           12/12         1.3         0.2         1.1         12.4         9.4         3.0           3/13         0.7         -0.1         0.8         13.2         9.3         3.9           6/13         -3.5         -2.3         -1.2         9.2         6.8         2.4           9/13         1.3         0.6         0.7         10.6         7.4         3.2           12/13         0.1         -0.1         0.2         10.7         7.2         3.5           3/14         1.4         1.8         -0.4         12.3         9.2         3.1           6/14         2.5         2.0         0.5         15.1         11.4         3.7           9/14         -0.2         0.2         -0.4         14.8         11.6         3.2           12/14         1.5         1.8         -0.3         16.4         13.6         2.8							-4.8		
6/12         2.9         2.1         0.8         7.4         7.5         -0.1           9/12         3.3         1.6         1.7         10.9         9.2         1.7           12/12         1.3         0.2         1.1         12.4         9.4         3.0           3/13         0.7         -0.1         0.8         13.2         9.3         3.9           6/13         -3.5         -2.3         -1.2         9.2         6.8         2.4           9/13         1.3         0.6         0.7         10.6         7.4         3.2           12/13         0.1         -0.1         0.2         10.7         7.2         3.5           3/14         1.4         1.8         -0.4         12.3         9.2         3.1           6/14         2.5         2.0         0.5         15.1         11.4         3.7           9/14         -0.2         0.2         -0.4         14.8         11.6         3.2           12/14         1.5         1.8         -0.3         16.4         13.6         2.8           3/15         2.3         1.6         0.7         19.2         15.4         3.8	12/11	2.3	1.1	1.2	1.4	5.0	-3.6		
9/12         3.3         1.6         1.7         10.9         9.2         1.7           12/12         1.3         0.2         1.1         12.4         9.4         3.0           3/13         0.7         -0.1         0.8         13.2         9.3         3.9           6/13         -3.5         -2.3         -1.2         9.2         6.8         2.4           9/13         1.3         0.6         0.7         10.6         7.4         3.2           12/13         0.1         -0.1         0.2         10.7         7.2         3.5           3/14         1.4         1.8         -0.4         12.3         9.2         3.1           6/14         2.5         2.0         0.5         15.1         11.4         3.7           9/14         -0.2         0.2         -0.4         14.8         11.6         3.2           12/14         1.5         1.8         -0.3         16.4         13.6         2.8           3/15         2.3         1.6         0.7         19.2         15.4         3.8           6/15         -1.7         -1.7         0.0         17.2         13.5         3.7	3/12	3.0	0.3				-0.9		
12/12         1.3         0.2         1.1         12.4         9.4         3.0           3/13         0.7         -0.1         0.8         13.2         9.3         3.9           6/13         -3.5         -2.3         -1.2         9.2         6.8         2.4           9/13         1.3         0.6         0.7         10.6         7.4         3.2           12/13         0.1         -0.1         0.2         10.7         7.2         3.5           3/14         1.4         1.8         -0.4         12.3         9.2         3.1           6/14         2.5         2.0         0.5         15.1         11.4         3.7           9/14         -0.2         0.2         -0.4         14.8         11.6         3.2           12/14         1.5         1.8         -0.3         16.4         13.6         2.8           3/15         2.3         1.6         0.7         19.2         15.4         3.8           6/15         -1.7         -1.7         0.0         17.2         13.5         3.7           9/15         0.0         1.2         17.2         14.9         2.3           12/15 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
3/13         0.7         -0.1         0.8         13.2         9.3         3.9           6/13         -3.5         -2.3         -1.2         9.2         6.8         2.4           9/13         1.3         0.6         0.7         10.6         7.4         3.2           12/13         0.1         -0.1         0.2         10.7         7.2         3.5           3/14         1.4         1.8         -0.4         12.3         9.2         3.1           6/14         2.5         2.0         0.5         15.1         11.4         3.7           9/14         -0.2         0.2         -0.4         14.8         11.6         3.2           12/14         1.5         1.8         -0.3         16.4         13.6         2.8           3/15         2.3         1.6         0.7         19.2         15.4         3.8           6/15         -1.7         -1.7         0.0         17.2         13.5         3.7           9/15         0.0         1.2         -1.2         17.2         14.9         2.3           12/15         0.6         -0.6         1.2         17.9         14.3         3.6 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
6/13         -3.5         -2.3         -1.2         9.2         6.8         2.4           9/13         1.3         0.6         0.7         10.6         7.4         3.2           12/13         0.1         -0.1         0.2         10.7         7.2         3.5           3/14         1.4         1.8         -0.4         12.3         9.2         3.1           6/14         2.5         2.0         0.5         15.1         11.4         3.7           9/14         -0.2         0.2         -0.4         14.8         11.6         3.2           12/14         1.5         1.8         -0.3         16.4         13.6         2.8           3/15         2.3         1.6         0.7         19.2         15.4         3.8           6/15         -1.7         -1.7         0.0         17.2         13.5         3.7           9/15         0.0         1.2         -1.2         17.2         14.9         2.3           12/15         0.6         -0.6         1.2         17.9         14.3         3.6           3/16         1.9         3.0         -1.1         20.2         17.7         2.5      <	12/12	1.3	0.2	1.1	12.4	9.4	3.0		
9/13         1.3         0.6         0.7         10.6         7.4         3.2           12/13         0.1         -0.1         0.2         10.7         7.2         3.5           3/14         1.4         1.8         -0.4         12.3         9.2         3.1           6/14         2.5         2.0         0.5         15.1         11.4         3.7           9/14         -0.2         0.2         -0.4         14.8         11.6         3.2           12/14         1.5         1.8         -0.3         16.4         13.6         2.8           3/15         2.3         1.6         0.7         19.2         15.4         3.8           6/15         -1.7         -1.7         0.0         17.2         13.5         3.7           9/15         0.0         1.2         -1.2         17.2         14.9         2.3           12/15         0.6         -0.6         1.2         17.9         14.3         3.6           3/16         1.9         3.0         -1.1         20.2         17.7         2.5           6/16         2.2         2.2         0.0         22.8         20.3         2.5 <t< td=""><td></td><td></td><td></td><td>0.8</td><td></td><td></td><td></td></t<>				0.8					
12/13         0.1         -0.1         0.2         10.7         7.2         3.5           3/14         1.4         1.8         -0.4         12.3         9.2         3.1           6/14         2.5         2.0         0.5         15.1         11.4         3.7           9/14         -0.2         0.2         -0.4         14.8         11.6         3.2           12/14         1.5         1.8         -0.3         16.4         13.6         2.8           3/15         2.3         1.6         0.7         19.2         15.4         3.8           6/15         -1.7         -1.7         0.0         17.2         13.5         3.7           9/15         0.0         1.2         -1.2         17.2         14.9         2.3           12/15         0.6         -0.6         1.2         17.9         14.3         3.6           3/16         1.9         3.0         -1.1         20.2         17.7         2.5           6/16         2.2         2.2         0.0         22.8         20.3         2.5           9/16         1.4         0.5         0.9         24.5         20.9         3.6      <						6.8			
3/14       1.4       1.8       -0.4       12.3       9.2       3.1         6/14       2.5       2.0       0.5       15.1       11.4       3.7         9/14       -0.2       0.2       -0.4       14.8       11.6       3.2         12/14       1.5       1.8       -0.3       16.4       13.6       2.8         3/15       2.3       1.6       0.7       19.2       15.4       3.8         6/15       -1.7       -1.7       0.0       17.2       13.5       3.7         9/15       0.0       1.2       -1.2       17.2       14.9       2.3         12/15       0.6       -0.6       1.2       17.9       14.3       3.6         3/16       1.9       3.0       -1.1       20.2       17.7       2.5         6/16       2.2       2.2       0.0       22.8       20.3       2.5         9/16       1.4       0.5       0.9       24.5       20.9       3.6         12/16       -2.4       -3.0       0.6       21.6       17.3       4.3         3/17       1.8       0.8       1.0       23.7       18.3       5.4 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
6/14         2.5         2.0         0.5         15.1         11.4         3.7           9/14         -0.2         0.2         -0.4         14.8         11.6         3.2           12/14         1.5         1.8         -0.3         16.4         13.6         2.8           3/15         2.3         1.6         0.7         19.2         15.4         3.8           6/15         -1.7         -1.7         0.0         17.2         13.5         3.7           9/15         0.0         1.2         -1.2         17.2         14.9         2.3           12/15         0.6         -0.6         1.2         17.9         14.3         3.6           3/16         1.9         3.0         -1.1         20.2         17.7         2.5           6/16         2.2         2.2         0.0         22.8         20.3         2.5           9/16         1.4         0.5         0.9         24.5         20.9         3.6           12/16         -2.4         -3.0         0.6         21.6         17.3         4.3           3/17         1.8         0.8         1.0         23.7         18.3         5.4	12/13	0.1	-0.1	0.2	10.7	7.2	3.5		
9/14         -0.2         0.2         -0.4         14.8         11.6         3.2           12/14         1.5         1.8         -0.3         16.4         13.6         2.8           3/15         2.3         1.6         0.7         19.2         15.4         3.8           6/15         -1.7         -1.7         0.0         17.2         13.5         3.7           9/15         0.0         1.2         -1.2         17.2         14.9         2.3           12/15         0.6         -0.6         1.2         17.9         14.3         3.6           3/16         1.9         3.0         -1.1         20.2         17.7         2.5           6/16         2.2         2.2         0.0         22.8         20.3         2.5           9/16         1.4         0.5         0.9         24.5         20.9         3.6           12/16         -2.4         -3.0         0.6         21.6         17.3         4.3           3/17         1.8         0.8         1.0         23.7         18.3         5.4           6/17         1.9         1.4         0.5         26.1         20.0         6.1	3/14	1.4	1.8	-0.4	12.3	9.2	3.1		
12/14     1.5     1.8     -0.3     16.4     13.6     2.8       3/15     2.3     1.6     0.7     19.2     15.4     3.8       6/15     -1.7     -1.7     0.0     17.2     13.5     3.7       9/15     0.0     1.2     -1.2     17.2     14.9     2.3       12/15     0.6     -0.6     1.2     17.9     14.3     3.6       3/16     1.9     3.0     -1.1     20.2     17.7     2.5       6/16     2.2     2.2     0.0     22.8     20.3     2.5       9/16     1.4     0.5     0.9     24.5     20.9     3.6       12/16     -2.4     -3.0     0.6     21.6     17.3     4.3       3/17     1.8     0.8     1.0     23.7     18.3     5.4       6/17     1.9     1.4     0.5     26.1     20.0     6.1       9/17     1.6     0.8     0.8     28.1     21.0     7.1       12/17     0.2     0.4     -0.2     28.4     21.5     6.9       3/18     -1.2     -1.5     0.3     27.0     19.7     7.3	6/14	2.5	2.0	0.5	15.1	11.4	3.7		
3/15     2.3     1.6     0.7     19.2     15.4     3.8       6/15     -1.7     -1.7     0.0     17.2     13.5     3.7       9/15     0.0     1.2     -1.2     17.2     14.9     2.3       12/15     0.6     -0.6     1.2     17.9     14.3     3.6       3/16     1.9     3.0     -1.1     20.2     17.7     2.5       6/16     2.2     2.2     0.0     22.8     20.3     2.5       9/16     1.4     0.5     0.9     24.5     20.9     3.6       12/16     -2.4     -3.0     0.6     21.6     17.3     4.3       3/17     1.8     0.8     1.0     23.7     18.3     5.4       6/17     1.9     1.4     0.5     26.1     20.0     6.1       9/17     1.6     0.8     0.8     28.1     21.0     7.1       12/17     0.2     0.4     -0.2     28.4     21.5     6.9       3/18     -1.2     -1.5     0.3     27.0     19.7     7.3	9/14		0.2	-0.4	14.8	11.6	3.2		
6/15         -1.7         -1.7         0.0         17.2         13.5         3.7           9/15         0.0         1.2         -1.2         17.2         14.9         2.3           12/15         0.6         -0.6         1.2         17.9         14.3         3.6           3/16         1.9         3.0         -1.1         20.2         17.7         2.5           6/16         2.2         2.2         0.0         22.8         20.3         2.5           9/16         1.4         0.5         0.9         24.5         20.9         3.6           12/16         -2.4         -3.0         0.6         21.6         17.3         4.3           3/17         1.8         0.8         1.0         23.7         18.3         5.4           6/17         1.9         1.4         0.5         26.1         20.0         6.1           9/17         1.6         0.8         0.8         28.1         21.0         7.1           12/17         0.2         0.4         -0.2         28.4         21.5         6.9           3/18         -1.2         -1.5         0.3         27.0         19.7         7.3 <td>12/14</td> <td>1.5</td> <td>1.8</td> <td>-0.3</td> <td>16.4</td> <td>13.6</td> <td>2.8</td>	12/14	1.5	1.8	-0.3	16.4	13.6	2.8		
9/15         0.0         1.2         -1.2         17.2         14.9         2.3           12/15         0.6         -0.6         1.2         17.9         14.3         3.6           3/16         1.9         3.0         -1.1         20.2         17.7         2.5           6/16         2.2         2.2         0.0         22.8         20.3         2.5           9/16         1.4         0.5         0.9         24.5         20.9         3.6           12/16         -2.4         -3.0         0.6         21.6         17.3         4.3           3/17         1.8         0.8         1.0         23.7         18.3         5.4           6/17         1.9         1.4         0.5         26.1         20.0         6.1           9/17         1.6         0.8         0.8         28.1         21.0         7.1           12/17         0.2         0.4         -0.2         28.4         21.5         6.9           3/18         -1.2         -1.5         0.3         27.0         19.7         7.3	3/15	2.3	1.6	0.7	19.2	15.4	3.8		
12/15         0.6         -0.6         1.2         17.9         14.3         3.6           3/16         1.9         3.0         -1.1         20.2         17.7         2.5           6/16         2.2         2.2         0.0         22.8         20.3         2.5           9/16         1.4         0.5         0.9         24.5         20.9         3.6           12/16         -2.4         -3.0         0.6         21.6         17.3         4.3           3/17         1.8         0.8         1.0         23.7         18.3         5.4           6/17         1.9         1.4         0.5         26.1         20.0         6.1           9/17         1.6         0.8         0.8         28.1         21.0         7.1           12/17         0.2         0.4         -0.2         28.4         21.5         6.9           3/18         -1.2         -1.5         0.3         27.0         19.7         7.3	6/15	-1.7	-1.7	0.0	17.2	13.5	3.7		
3/16     1.9     3.0     -1.1     20.2     17.7     2.5       6/16     2.2     2.2     0.0     22.8     20.3     2.5       9/16     1.4     0.5     0.9     24.5     20.9     3.6       12/16     -2.4     -3.0     0.6     21.6     17.3     4.3       3/17     1.8     0.8     1.0     23.7     18.3     5.4       6/17     1.9     1.4     0.5     26.1     20.0     6.1       9/17     1.6     0.8     0.8     28.1     21.0     7.1       12/17     0.2     0.4     -0.2     28.4     21.5     6.9       3/18     -1.2     -1.5     0.3     27.0     19.7     7.3	9/15				17.2				
6/16     2.2     2.2     0.0     22.8     20.3     2.5       9/16     1.4     0.5     0.9     24.5     20.9     3.6       12/16     -2.4     -3.0     0.6     21.6     17.3     4.3       3/17     1.8     0.8     1.0     23.7     18.3     5.4       6/17     1.9     1.4     0.5     26.1     20.0     6.1       9/17     1.6     0.8     0.8     28.1     21.0     7.1       12/17     0.2     0.4     -0.2     28.4     21.5     6.9       3/18     -1.2     -1.5     0.3     27.0     19.7     7.3	12/15	0.6	-0.6	1.2	17.9	14.3	3.6		
9/16     1.4     0.5     0.9     24.5     20.9     3.6       12/16     -2.4     -3.0     0.6     21.6     17.3     4.3       3/17     1.8     0.8     1.0     23.7     18.3     5.4       6/17     1.9     1.4     0.5     26.1     20.0     6.1       9/17     1.6     0.8     0.8     28.1     21.0     7.1       12/17     0.2     0.4     -0.2     28.4     21.5     6.9       3/18     -1.2     -1.5     0.3     27.0     19.7     7.3	3/16	1.9	3.0	-1.1	20.2	17.7	2.5		
12/16     -2.4     -3.0     0.6     21.6     17.3     4.3       3/17     1.8     0.8     1.0     23.7     18.3     5.4       6/17     1.9     1.4     0.5     26.1     20.0     6.1       9/17     1.6     0.8     0.8     28.1     21.0     7.1       12/17     0.2     0.4     -0.2     28.4     21.5     6.9       3/18     -1.2     -1.5     0.3     27.0     19.7     7.3	6/16	2.2	2.2	0.0	22.8	20.3	2.5		
3/17     1.8     0.8     1.0     23.7     18.3     5.4       6/17     1.9     1.4     0.5     26.1     20.0     6.1       9/17     1.6     0.8     0.8     28.1     21.0     7.1       12/17     0.2     0.4     -0.2     28.4     21.5     6.9       3/18     -1.2     -1.5     0.3     27.0     19.7     7.3	9/16	1.4	0.5	0.9	24.5	20.9	3.6		
6/17     1.9     1.4     0.5     26.1     20.0     6.1       9/17     1.6     0.8     0.8     28.1     21.0     7.1       12/17     0.2     0.4     -0.2     28.4     21.5     6.9       3/18     -1.2     -1.5     0.3     27.0     19.7     7.3	12/16	-2.4	-3.0	0.6	21.6	17.3	4.3		
9/17     1.6     0.8     0.8     28.1     21.0     7.1       12/17     0.2     0.4     -0.2     28.4     21.5     6.9       3/18     -1.2     -1.5     0.3     27.0     19.7     7.3	3/17	1.8	0.8	1.0	23.7	18.3	5.4		
12/17 0.2 0.4 -0.2 28.4 21.5 6.9 3/18 -1.2 -1.5 0.3 27.0 19.7 7.3	6/17	1.9	1.4	0.5	26.1	20.0	6.1		
3/18 -1.2 -1.5 0.3 27.0 19.7 7.3	9/17		0.8	0.8	28.1				
	12/17	0.2	0.4	-0.2	28.4	21.5	6.9		
	3/18	-1.2	-1.5	0.3	27.0	19.7	7.3		
			-0.2			19.5	7.0		
9/18 0.2 0.0 0.2 26.8 19.5 7.3	9/18	0.2	0.0	0.2	26.8	19.5	7.3		
12/18 1.5 1.6 -0.1 28.7 21.5 7.2	12/18	1.5	1.6	-0.1	28.7	21.5	7.2		