

# City Of Burlington Employees Retirement Plan

Performance Review September 2017

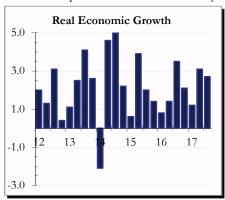




#### ECONOMIC ENVIRONMENT

#### Three Devastating Hurricanes

This summer brought destruction and uncertainty to the South and Puerto Rico, with Hurricanes Harvey, Irma, and Maria all causing major damage. The full impact of those storms may be years in the unfolding. In spite of



the damage and uncertainty, the US economy was surprisingly strong. Annualized Q3 GDP (advance estimate) rose 3.0% and the most recent manufacturing statistics were at or near record highs. Domestic employment gains surged until September, when the hurricanes dampened service jobs. Consumer confidence was high, especially for the months ahead. Finally, the Fed announced an end

to quantitative easing, beginning in October. Investors liked what they heard, sending equity markets higher.

- Q3 GDP increased at an annualized 3.0%, following a 3.1% expansion in Q2. There were substantial gains in personal consumption; corporate investment; decelerating imports; and federal government spending. Losses stemmed from lower homeowner investment, declining state and local government spending, and decelerating exports.
- Jobs-wise, there were 172,000 hires per month over the 12-months ending in August. However, in September, the hurricanes essentially stopped third quarter job growth in its tracks, resulting in a loss of 33,000 jobs for the month. At the same time, the September unemployment rate dipped to 4.2% as The Bureau of Labor Statistics included the same service employees as if they were still employed. Average earnings are also on the rise and have grown almost 3% for the year ended August.
- Home prices advanced 6.9%, year-over-year through August. Utah (+11.2%) and Washington (+13%) were the two hottest markets in

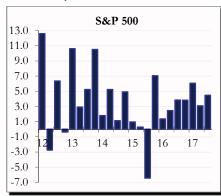
- the country. Only West Virginia experienced price drops. The best-performing metropolitan markets were Las Vegas (+8.4), Denver (+8.3%), San Francisco (+7.7%), and San Diego (+7.4%).
- Manufacturing was an economic leader in the third quarter, as the ISM Manufacturing Index expanded for the 100<sup>th</sup> consecutive month! The September index reading was 60.8% (greater than 50% indicates growth), up 2% from August. Seventeen of the eighteen manufacturing industries reported growth. Only furniture and related products contracted.
- The September ISM Services Index climbed for the 93<sup>rd</sup> consecutive month (59.8%), up 4.5% from August. Further, 15 of the service industries gained momentum. Arts/entertainment and mining services were the only two declining sectors.
- Consumer confidence was near the high in September, posting 119.8 (where 100 is the base).
- Buoyed by higher oil prices and metals demand, the Q3 Commodities Index was up 2.5%. Excluding energy, however, the index was essentially flat. Petroleum products, including unleaded gas, rose a whopping 15%. Metals, such as nickel and zinc, enjoyed double-digit gains, reflecting Chinese and EU demand. Yet prices of agricultural products, especially grains, fell 9.5% in sync with abundant supply. Overall, commodity prices continue their volatility.
- After remaining virtually flat in the 2<sup>nd</sup> quarter, all-item seasonally adjusted CPI ticked up 1% during the 3<sup>rd</sup> quarter, bringing the trailing 12-month rise to 2.2%. Much of this was due to Hurricane Harvey's impact on energy supplies, as the energy CPI saw a sharp rise of 9.0% during the quarter.
- In a momentous move, the Fed announced that it will begin withdrawing the \$4.5 trillion it purchased since the 2008 financial crisis. This decision was based on the Fed's expectation for continued GDP growth and low unemployment. In other words, the Fed believes that the economy has emerged from the crisis. The \$10 billion per month in expected bond sales should induce somewhat higher interest rates. In addition, there is an expectation of one more

increase in the Fed Funds rate this December. As a footnote, Chair Yellen noted that the ongoing low inflation rate (under 2% per year) remains a mystery. The Fed strongly prefers a 2% rate to ensure against disinflation.

#### **DOMESTIC EQUITIES**

#### Stocks Again Hit Record Levels

The Q3 stock market continued to defy logic. Amidst the US political uncertainty, environmental disasters, terrorism here and abroad, and a stock



market that has already climbed so high for so long, how did stocks continue their ascent? The answer includes strong corporate earnings, healthy consumer and government spending, and business confidence. As a result, all of the major US indices advanced. The broad market Russell 3000 was up 4.6%. The S&P 500 gained 4.5%. The DJIA added 5.6%, with dividends. The NASDAQ Tech Index rose

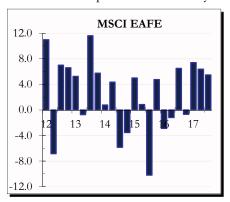
6.1%. As in Q2, growth stocks rose more than cyclicals. For example, among large-cap names, the Growth Index was up 5.9% vs. 3.1% for the Value Index. The style differences were less in the small-cap arena. Small-cap growth stocks were up 6.2% compared to 5.1% for the equivalent value stocks. REITs brought up the rear, with the NAREIT Index gaining only 1.1%.

Each of the S&P sectors added value. Tech gained 6.5% as the likes of Apple and Amazon shares reached record highs. Energy, reflecting the hurricane-related price surge, posted 7.5%. Financial stocks, with stable capital bases and hints of higher interest rates ahead, added 5.3%. The transportation sector trailed, but still rose 2.3%. If all of the positive news suggested the markets were pricey, they were! More than 60% of the stocks had P/E ratios of 20 or more. However, many investors expect upcoming earnings releases to keep pace with the heady prices.

#### **INTERNATIONAL EQUITIES**

## Economic and Political News Spurred Developed Markets Commodity Prices and Tech Sales Drove EM

European economies continued to recover, as corporate earnings accelerated and political uncertainty diminished everywhere, with the sole



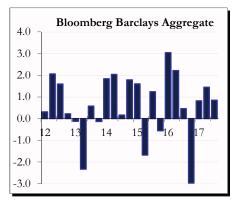
exception of Spain. Asian economies also gained ground. The MSCI EAFE Index of developed countries rose 5.5%. Euro countries generated an 8.1% return vs. 4.2% for the Far East. Within Europe, Italy was the star (+13.9%), as Italian production was at a 6-year high. Portugal was right behind, gaining 13.4%, as that country's sovereign debt was upgraded to investment grade and

tourism is on the uptick. Austria's 12.8% return reflected a more market-friendly government. The two key European players, France and Germany, contributed 8.4% and 7.7%, respectively. Nearby, the UK market rose 5.2%. While its economy was steady, the Brexit overhang remained a dampening factor. Australia (+3.2%) advanced less because of weak telecom services stocks and lower anticipated government infrastructure spending.

Tech stocks performed best in the newly expanding Japanese market, which climbed 4.1%. Hong Kong added 5.1% due in part to casino stock performance. Israel was the only EAFE country market in the red, losing 12.6%. Aside from ongoing political issues, Israeli exports were down and Teva Pharmaceuticals performed poorly. Canada, not part of EAFE, rose 8.1% in sync with rising energy and metals prices. Finally, the Euro, Pound and Yen all strengthened relative to the US dollar.

Emerging markets continued their blistering pace, supported by a weaker dollar. The EM Index scored an 8.0% return, higher than either US or EAFE markets. Collectively, the BRIC country markets delivered a huge 13.9%. Brazil, a typically volatile market, soared 23%. These results were attributable to reduced political uncertainty; higher exports; and stock performance both by banks and heavy hitter Petrobras (+30%). Russian shares climbed 18.1%

on the strength of much higher oil prices, ongoing infrastructure projects and bank stock results. India was the also-ran among the BRICs, rising a



relatively low 3%. India is still adjusting to a massive goods and service tax placed on its vast cash economy. China's GDP was robust, close to 7%. In addition, prices of Chinese consumer tech companies Tencent and Alibaba rose to record highs. Overall, the Chinese stock market climbed 14.8%. Building on export growth, Thailand posted a double-digit stock return of 10.6%.

Latin American EM markets delivered very strong results (+15.1%), mainly because of the pickup in mining operations and the spike in copper prices. Accordingly, Chilean prices (+16.9%) and Peruvian prices (+14.1%) advanced smartly. By comparison, Mexico's 1.5% stock market gain was miniscule, as investors were wary of the protracted NAFTA negotiations with the US.

#### BOND MARKET

#### An Unmoved Yield Curve

The Federal Reserve announced in September that it would finally start to reduce its balance sheet, after nine years, in October. It amassed \$4.5 trillion in assets after the financial crisis, and will drop those assets by \$10 billion per month. Traders also are expecting an increase in the fed funds rate of 0.25% in December, a change from their previous expectations of no new rate rises. However, some uncertainty has entered the dialogue as some contenders to replace Chairwoman Janet Yellen may lack the skill and care to lead the Fed. Pundits are watching for an announcement in November, with fears that the wrong choice could wreak havoc in the bond markets and wider economy.

The yield curve stayed almost completely unchanged at the end of quarter, with short and long-term rates all virtually the same. The Barclays Aggregate

Index returned a modest 0.8% for the quarter, bringing the cumulative year-to-date return up to 3.1%. Agencies were up 0.4% on the whole. ABS rose 0.4%, CMBS up 0.8%, and MBS grew 1.0%. US Corporate bonds rose 2.3% during the quarter, providing a YTD performance of 7.5%. High yield bonds provided modestly stronger returns, as BB stocks rose 2.0%, resulting in a YTD rise of 7.0%.

G-6 countries' sovereign debt outperformed the United States (un-hedged) for the quarter, with a combined return of 1.8%, for a YTD of 6.6%. France, Germany, and Italy led the way for another quarter, with returns of 4.2%, 4.2%, and 4.5% respectively. Canada gained 2.0%, Japan was flat, and the UK returned 2.9%.

#### **CASH EQUIVALENTS**

#### No Increases to the Fed Funds Rate

For the first time this year there was no rise to the fed funds rate, as the rate stayed at 1-1.25%, and it looked until the end of the quarter that there would be no more for 2017. However, at the September 20<sup>th</sup> meeting it became apparent that there may be one more in December. The 3-month T-Bill returned 0.3% as cash continues to only provide the most modest of returns.

## **MARKET SUMMARY**

#### **ECONOMIC STATISTICS**

	CURRENT QTR	LAST QTR
GDP	3.0	3.1
Unemployment	4.2	4.4
CPI All Items Year/Year	2.20	1.60
Fed Funds Rate	1.25	1.25
Industrial Capacity	76.0	76.6
US Dollars per Euro	1.18	1.14

## MAJOR INDEX QUARTER RETURNS

INDEX		PERFORMANCE
Russell 3000	4.6	
S&P 500	4.5	
Russell Mid	3.5	
Russell 2000	5.7	
MSCI EAFE	5.5	
MSCI Emg Mkts	8.0	
NCREIF ODCE	1.9	
Aggregate Index	0.8	
90 Day Tbills	0.3	

# **EQUITY RETURN DISTRIBUTIONS**

## **QUARTER**

	VAL	COR	GRO
LC	3.1	4.5	5.9
MC	2.1	3.5	5.3
SC	5.1	5.7	6.2

## TRAILING YEAR

	VAL	COR	GRO
LC	15.1	18.5	21.9
MC	13.4	15.3	17.8
SC	20.5	20.7	20.9

## MARKET SUMMARY

- \* GDP expanded at a 3% rate in Q3.
- \* Unemployement continued to decrease to 4.2%.
- \* Year over year CPI expanded at a 2.2% rate.
- \* The dollar weakened against the Euro.
- \* Growth stocks were again ahead of value stocks. The spreads between growth and value were widest among large cap stocks. Small cap stocks had the strongest returns last quarter, with mid caps in the rear.

### **INVESTMENT RETURN**

On September 30th, 2017, the City of Burlington Employees Retirement System was valued at \$182,544,230, representing an increase of \$6,853,367 from the June quarter's ending value of \$175,690,863. Last quarter, the Fund posted withdrawals totaling \$46,149, which partially offset the portfolio's net investment return of \$6,899,516. Income receipts totaling \$123,506 plus net realized and unrealized capital gains of \$6,776,010 combined to produce the portfolio's net investment return.

For the cumulative period since December 2001, the fund has recorded net withdrawals totaling \$27.8 million and posted net investment gains of \$111.4 million. For the period since December 2001, if the total fund returned a compound annual rate of 8.0% it would have been valued at \$274.6 million or \$92.0 million more than the actual value as of September 30th, 2017.

#### **RELATIVE PERFORMANCE**

#### **Total Fund**

In the third quarter, the total portfolio gained 3.9%, which was equal to the Burlington Policy Index's return of 3.9% and ranked in the 17th percentile of the Public Fund universe. Over the trailing year, the portfolio returned 13.9%, which was 0.1% less than the benchmark's 14.0% performance, and ranked in the 14th percentile. Since December 2001, the portfolio returned 5.7% on an annualized basis.

## **Equity**

The equity portfolio returned 5.2% in the third quarter, 0.1% less than the MSCI All Country World index's return of 5.3% and ranked in the 48th percentile of the Global Equity universe. Over the trailing twelvementh period, the equity portfolio returned 19.1%; that return was

0.2% less than the benchmark's 19.3% return, and ranked in the 48th percentile.

#### **Real Assets**

In the third quarter, the real assets segment returned 1.3%, which was 0.4% less than the Real Assets Blended Index's return of 1.7%. Over the trailing twelve-month period, this segment returned 4.8%, which was 1.3% greater than the benchmark's 3.5% performance.

#### **Fixed Income**

The fixed income portfolio returned 0.6% last quarter; that return was 0.1% below the Intermediate Aggregate Index's return of 0.7% and ranked in the 79th percentile of the Broad Market Fixed Income universe. Over the trailing year, this component returned 0.2%, equal to the benchmark's 0.2% performance, ranking in the 87th percentile.

#### ASSET ALLOCATION

On September 30th, 2017, equities comprised 72.4% of the total portfolio (\$132.2 million), while real assets totaled 10.3% (\$18.7 million). The account's fixed income component comprised 16.9% (\$30.8 million) of total value, while the remaining 0.4% was comprised of cash & equivalents (\$763,861).

The Retirement System also had a negative cash balance in the Pooled Account (not included in the valuations in this report) of -\$1,306,416.

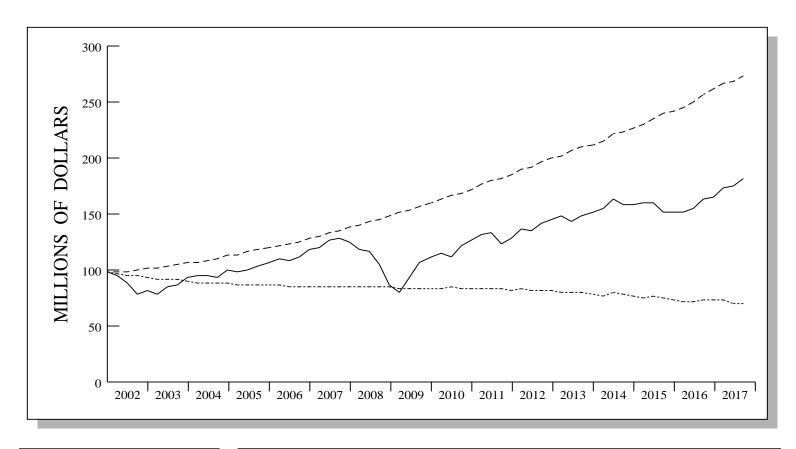
# **EXECUTIVE SUMMARY**

	Qtr / FYTD	1 Year	3 Year	5 Year	10 Year	Since 12/01
Total Portfolio - Gross	3.9	13.9	6.4	6.8	4.6	5.7
PUBLIC FUND RANK	(17)	(14)	(70)	(94)	(90)	
Total Portfolio - Net	3.9	13.7	6.0	6.4		
Policy Index	3.9	14.0	6.9	7.2		
<b>Equity - Gross</b>	5.2	19.1				
GLOBAL EQUITY RANK	(48)	(48)				
MSCI AC World	5.3	19.3	8.0	10.8	4.4	7.3
ACWI Ex US	6.3	20.1	5.2	7.5	1.7	7.3
MSCI EAFE	5.5	19.7	5.5	8.9	1.8	6.7
MSCI EM Net	7.9	22.5	4.9	4.0	1.3	10.7
Russell 3000	4.6	18.7	10.7	14.2	7.6	7.6
S&P Completion	5.0	18.9	10.3	14.1	8.2	
Real Assets - Gross	1.3	4.8				
Real Assets Idx	1.7	3.5	1.7	2.5	1.6	5.8
NCREIF ODCE	1.9	7.6	10.8	11.6	5.0	8.1
NCREIF Timber	0.6	3.3	5.2	7.1	5.2	7.2
BLP Commodity	2.5	-0.3	-10.4	-10.5	-6.8	0.9
Fixed Income - Gross	0.6	0.2				
BROAD MARKET FIXED RANK	(79)	(87)				
Int Aggregate	0.7	0.2	2.3	1.7	3.8	4.2
Global Aggregate	1.8	-1.3	1.3	0.5	3.3	5.0
Global Agg Ex US	2.5	-2.4	0.2	-0.7	2.6	5.3
Aggregate Index	0.8	0.1	2.7	2.1	4.3	4.6

ASSET ALLOCATION						
Equity	72.4%	\$ 132,206,249				
Real Assets	10.3%	18,732,826				
Fixed Income	16.9%	30,841,294				
Cash	0.4%	763,861				
Total Portfolio	100.0%	\$ 182,544,230				

INVESTMENT	Γ RETURN
Market Value 6/2017	\$ 175,690,863
Contribs / Withdrawals	- 46,149
Income	123,506
Capital Gains / Losses	6,776,010
Market Value 9/2017	\$ 182,544,230

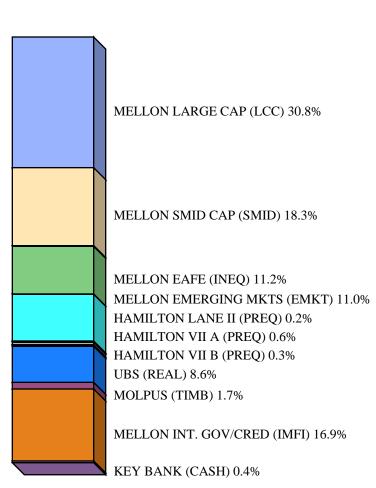
# **INVESTMENT GROWTH**



VALUE ASSUMING 8.0% RETURN \$ 274,583,141

	LAST QUARTER	PERIOD 12/01 - 9/17
BEGINNING VALUE NET CONTRIBUTIONS INVESTMENT RETURN ENDING VALUE	\$ 175,690,863 - 46,149 <u>6,899,516</u> \$ 182,544,230	\$ 98,885,312 - 27,761,400 \frac{111,420,318}{182,544,230}
INCOME CAPITAL GAINS (LOSSES) INVESTMENT RETURN	$ \begin{array}{r} 123,506 \\ 6,776,010 \\ \hline 6,899,516 \end{array} $	14,959,763 96,460,555 111,420,318

# MANAGER ALLOCATION AND TARGET SUMMARY



Name	Market Value	Percent	Target
Mellon Large Cap (LCC)	\$56,178,757	30.8	30.0
Mellon Smid Cap (SMID)	\$33,394,321	18.3	18.0
Mellon EAFE (INEQ)	\$20,395,326	11.2	10.0
■ Mellon Emerging Mkts (EMKT)	\$20,121,697	11.0	10.0
Hamilton Lane II (PREQ)	\$419,900	0.2	0.5
Hamilton VII A (PREQ)	\$1,061,230	0.6	0.9
Hamilton VII B (PREQ)	\$635,018	0.3	0.6
UBS (REAL)	\$15,669,025	8.6	8.0
Molpus (TIMB)	\$3,063,801	1.7	2.0
Mellon Int. Gov/Cred (IMFI)	\$30,841,294	16.9	20.0
Key Bank (CASH)	\$763,861	0.4	0.0
Total Portfolio	\$182,544,230	100.0	100.0

# INVESTMENT RETURN SUMMARY - ONE QUARTER

Name	Quarter Total Return	Market Value June 30th, 2017	Net Cashflow	Net Investment Return	Market Value September 30th, 2017
Mellon Large Cap (LCC)	4.5	53,766,431	0	2,412,326	56,178,757
Mellon Smid Cap (SMID)	4.8	31,874,587	0	1,519,734	33,394,321
Mellon EAFE (INEQ)	5.4	19,344,046	0	1,051,280	20,395,326
Mellon Emerging Mkts (EMKT)	7.9	18,651,478	0	1,470,219	20,121,697
Hamilton Lane II (PREQ)	2.9	413,090	-5,273	12,083	419,900
Hamilton VII A (PREQ)	0.5	1,097,094	-41,635	5,771	1,061,230
Hamilton VII B (PREQ)	1.8	647,307	-23,947	11,658	635,018
UBS (REAL)	1.5	15,477,947	-37,359	228,437	15,669,025
Molpus (TIMB)	0.4	3,098,281	-38,218	3,738	3,063,801
Mellon Int. Gov/Cred (IMFI)	0.6	30,657,024	0	184,270	30,841,294
Key Bank (CASH)		663,578	100,283	0	763,861
Total Portfolio	3.9	175,690,863	-46,149	6,899,516	182,544,230

# MANAGER PERFORMANCE SUMMARY - GROSS OF FEES

Portfolio	(Universe)	Quarter	FYTD	1 Year	3 Years	5 Years	Since Inco	eption
Total Portfolio	(Public Fund)	3.9 (17)	3.9 (17)	13.9 (14)	6.4 (70)	6.8 (94)	5.7	12/01
Policy Index		3.9	3.9	14.0	6.9	7.2		12/01
Mellon Large Cap	(LC Core)	4.5 (58)	4.5 (58)	18.6 (49)			16.8 (44)	03/16
S&P 500		4.5	4.5	18.6	10.8	14.2	16.8	03/16
Mellon Smid Cap	(Smid Cap)	4.8 (37)	4.8 (37)	18.0 (61)			19.3 (39)	03/16
Russell 2500		4.7	4.7	17.8	10.6	13.9	19.1	03/16
Mellon EAFE	(Intl Eq)	5.4 (68)	5.4 (68)	19.4 (61)			16.4 (71)	03/16
MSCI EAFE		5.5	5.5	19.7	5.5	8.9	16.6	03/16
Mellon Emerging Mkts	(Emerging Mkt)	7.9 (45)	7.9 (45)	22.4 (54)			21.7 (57)	03/16
MSCI EM Net		7.9	7.9	22.5	4.9	4.0	21.8	03/16
Hamilton Lane II		2.9	2.9	4.9	-2.2	4.1	11.3	03/09
S&P Completion		5.0	5.0	18.9	10.3	14.1	18.3	03/09
Hamilton VII A		0.5	0.5	13.6	9.6	13.4	12.9	09/11
S&P Completion		5.0	5.0	18.9	10.3	14.1	16.7	09/11
Hamilton VII B		1.8	1.8	10.2	6.5	8.5	7.8	09/11
S&P Completion		5.0	5.0	18.9	10.3	14.1	16.7	09/11
UBS		1.5	1.5	5.4			5.4	09/16
NCREIF ODCE		1.9	1.9	7.6	10.8	11.6	7.6	09/16
Molpus		0.4	0.4	2.2	4.6	6.0	3.9	03/09
NCREIF Timber		0.6	0.6	3.3	5.2	7.1	3.8	03/09
Mellon Int. Gov/Cred	(Int Fixed)	0.6 (81)	0.6 (81)	0.2 (90)			1.3 (81)	03/16
Int Gov/Credit		0.6	0.6	0.2	2.1	1.6	1.3	03/16

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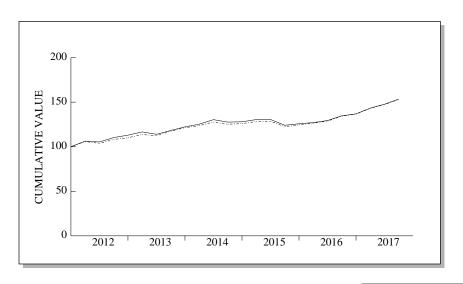
# MANAGER PERFORMANCE SUMMARY - NET OF FEES

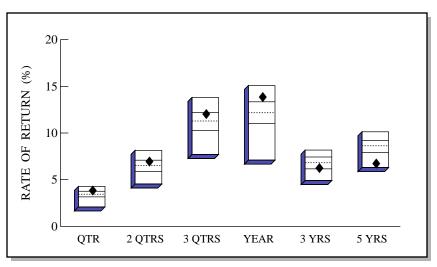
Name	Quarter	FYTD	1 Year	3 Years	5 Years	Since In	ception
Total Portfolio	3.9	3.9	13.7	6.0	6.4		12/01
Policy Index	3.9	3.9	<i>14.0</i>	6.9	7.2		<i>12/01</i>
Mellon Large Cap	4.5	4.5	18.6			16.7	03/16
S&P 500	4.5	4.5	18.6	10.8	14.2	<i>16.8</i>	03/16
Mellon Smid Cap	4.8	4.8	17.9			19.2	03/16
Russell 2500	4.7	4.7	<i>17.8</i>	10.6	13.9	19.1	03/16
Mellon EAFE	5.4	5.4	19.4			16.3	03/16
MSCI EAFE	5.5	5.5	19.7	5.5	8.9	16.6	03/16
Mellon Emerging Mkts	7.9	7.9	22.3			21.6	03/16
MSCI EM Net	7.9	<i>7.9</i>	22.5	4.9	4.0	21.8	03/16
Hamilton Lane II	1.7	1.7	0.9	-5.1	1.8	9.5	03/09
S&P Completion	5.0	5.0	18.9	10.3	14.1	18.3	03/09
Hamilton VII A	0.2	0.2	12.4	8.3	11.8	10.9	09/11
S&P Completion	5.0	<i>5.0</i>	18.9	10.3	14.1	<i>16.7</i>	09/11
Hamilton VII B	1.5	1.5	8.8	5.2	6.9	5.8	09/11
S&P Completion	5.0	5.0	18.9	10.3	14.1	16.7	09/11
UBS	1.2	1.2	4.2			4.2	09/16
NCREIF ODCE	1.9	1.9	<b>7.6</b>	10.8	11.6	<b>7.6</b>	09/16
Molpus	0.1	0.1	1.2	3.6	5.0	3.1	03/09
NCREIF Timber	0.6	0.6	3.3	5.2	7.1	3.8	03/09
Mellon Int. Gov/Cred	0.6	0.6	0.1			1.3	03/16
Int Gov/Credit	0.6	0.6	0.2	2.1	1.6	1.3	03/16

# MANAGER VALUE ADDED

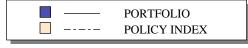
1 Quarter	Portfolio	Benchmark	1 Year
0.0	Mellon Large Cap	S&P 500	0.0
0.1	Mellon Smid Cap	Russell 2500	0.2
-0.1	Mellon EAFE	MSCI EAFE	-0.3
0.0	Mellon Emerging Mkts	MSCI EM Net	-0.1
-2.1	Hamilton Lane II	S&P Completion	-14.0
-4.5	Hamilton VII A	S&P Completion	-5.3
-3.2	Hamilton VII B	S&P Completion	-8.7
<b>-</b> 0.4	UBS	NCREIF ODCE	-2.2
▮ -0.2	Molpus	NCREIF Timber	-1.1
0.0	Mellon Int. Gov/Cred	Int Gov/Credit	0.0
0.0	<b>Total Portfolio</b>	Policy Index	-0.1

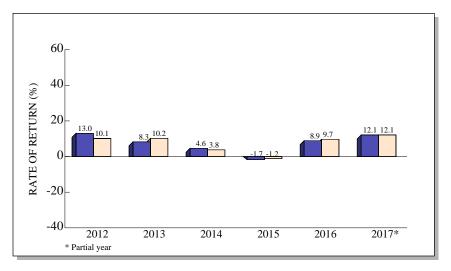
# TOTAL RETURN COMPARISONS





Public Fund Universe

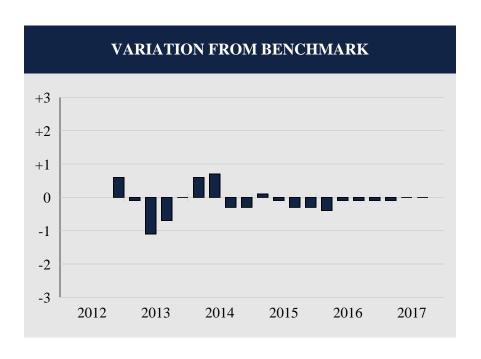




					ANNU <i>A</i>	ALIZED
	QTR	2 QTRS	3 QTRS	YEAR	3 YRS	5 YRS
RETURN	3.9	7.0	12.1	13.9	6.4	6.8
(RANK)	(17)	(27)	(28)	(14)	(70)	(94)
5TH %ILE	4.3	8.1	13.8	15.1	8.2	10.1
25TH %ILE	3.8	7.1	12.2	13.3	7.4	9.2
MEDIAN	3.4	6.5	11.3	12.2	6.8	8.6
75TH %ILE	3.2	5.9	10.3	11.0	6.2	7.9
95TH %ILE	2.1	4.5	7.7	7.1	4.9	6.3
Policy	3.9	7.0	12.1	14.0	6.9	7.2

Public Fund Universe

# TOTAL PORTFOLIO QUARTERLY PERFORMANCE SUMMARY - 5 YEARS COMPARATIVE BENCHMARK: BURLINGTON POLICY INDEX



<b>Total Quarters Observed</b>	20
Quarters At or Above the Benchmark	7
<b>Quarters Below the Benchmark</b>	13
Batting Average	.350

RATES OF RETURN									
				Cur	nulative				
Date	Portfolio	Bench	Diff	Portfolio	Bench	Diff			
12/12	2.4	1.8	0.6	2.4	1.8	0.6			
3/13	3.2	3.3	-0.1	5.7	5.1	0.6			
6/13	-2.3	-1.2	-1.1	3.3	3.9	-0.6			
9/13	3.7	4.4	-0.7	7.1	8.5	-1.4			
12/13	3.5	3.5	0.0	10.9	12.2	-1.3			
3/14	2.5	1.9	0.6	13.6	14.3	-0.7			
6/14	4.0	3.3	0.7	18.2	18.1	0.1			
9/14	-2.2	-1.9	-0.3	15.7	15.8	-0.1			
12/14	0.3	0.6	-0.3	16.0	16.4	-0.4			
3/15	1.9	1.8	0.1	18.2	18.6	-0.4			
6/15	0.1	0.2	-0.1	18.4	18.8	-0.4			
9/15	-5.0	-4.7	-0.3	12.5	13.3	-0.8			
12/15	1.3	1.6	-0.3	14.0	15.1	-1.1			
3/16	1.1	1.5	-0.4	15.2	16.9	-1.7			
6/16	1.8	1.9	-0.1	17.3	19.1	-1.8			
9/16	4.1	4.2	-0.1	22.1	24.1	-2.0			
12/16	1.6	1.7	-0.1	24.1	26.3	-2.2			
3/17	4.7	4.8	-0.1	30.0	32.3	-2.3			
6/17	3.0	3.0	0.0	33.9	36.2	-2.3			
9/17	3.9	3.9	0.0	39.1	41.6	-2.5			

			quity Investo ne Secondary		_			
<b>IRR Since Inception</b>		14.56%	Annualized, Net	of F	Fees			
Market Value	\$	419,900	Last State	t Date:	9/30/2017			
Capital Commitment	\$	3,400,000	100.00%					
Paid In Capital	\$	2,982,695	87.73%					
Remaining Commitment	\$	417,305	12.27%					
			% of	F	Recallable	% of		
Date	Co	ntributions	Commitment	Di	stributions	Commitment	D	istributions
Year 2009	\$	518,361	15.25%	\$	(151,904)	-4.47%	\$	-
Year 2010	\$	1,109,828	32.64%	\$	-	-	\$	(87,992)
Year 2011	\$	607,254	17.86%	\$	(115,109)	-3.39%	\$	(361,234)
Year 2012	\$	934,221	27.48%	\$	-	-	\$	(836,516)
Year 2013	\$	97,310	2.86%	\$	(17,266)	-0.51%	\$	(731,867)
Year 2014	\$	-	-	\$	-	-	\$	(1,140,848)
Year 2015	\$	-	-	\$	-	-	\$	(533,140)
1/28/2016	\$	-	-	\$	-	-	\$	(38,549)
5/20/2016	\$	-	-	\$	-	-	\$	(81,887)
8/19/2016	\$	-	-	\$	-	-	\$	(46,080)
12/28/2016	\$	-	-	\$	-	-	\$	(31,257)
6/1/2017	\$	-	_	\$	-	-	\$	(44,158)
Total	\$	3,266,974	96.09%	\$	(284,279)	-8.36%	\$	(3,933,528)

# Private Equity Investor Report Hamilton Lane Private Equity Fund VII LP Series A Offshore

IRR Since Inception		11.00%	Annualized, Net	of Fees			
Market Value	\$	1,061,230	Last State	ment Date:	9/30/2017		
Capital Commitment	\$	1,500,000	100.00%				
Paid In Capital	\$	1,304,825	86.99%				
Remaining Commitment	\$	195,175	13.01%				
			% of	Recallable	% of		
Date	Co	ntributions	Commitment	Distributions		Di	stributions
7/27/2011	\$	172,500	11.50%	\$ -	-	\$	-
9/27/2011	\$	52,500	3.50%	\$ -	-	\$	-
11/15/2011	\$	52,500	3.50%	\$ -	-	\$	-
12/30/2011	\$	67,947	4.53%	\$ -	-	\$	-
4/24/2012	\$	83,394	5.56%	\$ -	-	\$	(32,311)
6/24/2012	\$	52,500	3.50%	\$ -	-	\$	-
8/23/2012	\$	45,000	3.00%	\$ -	-	\$	(3,692)
10/15/2012	\$	67,500	4.50%	\$ -	-	\$	(23,932)
11/21/2012	\$	80,250	5.35%	\$ -	-	\$	_
3/12/2013	\$	48,750	3.25%	\$ -	-	\$	(27,930)
2/14/2014	\$	61,500	4.10%	\$ -	-	\$	-
5/20/2014	\$	187,500	12.50%	\$ -	-	\$	(151,650)
7/14/2014	\$	50,522	3.37%	\$ -	-	\$	(19,283)
1/6/2015	\$	145,117	9.67%	\$ -	-	\$	(88,738)
12/8/2015	\$	28,179	1.88%	\$ -	-	\$	(51,519)
7/22/2016	\$	75,000	5.00%	\$ -	-	\$	(53,805)
1/25/2017	\$	34,166	2.28%	\$ -	-	\$	(216,102)
6/22/2017	\$	-	-	\$ -	-	\$	(96,706)
8/16/2017	\$	-	-	\$ -	-	\$	(31,846)
9/28/2017	\$	-	-	\$ -	_	\$	(6,487)
Total	\$	1,304,825	86.99%	\$ -	0.00%	\$	(804,001)

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

# Private Equity Investor Report Hamilton Lane Private Equity Fund VII LP Series B Offshore

IRR Since Inception		5.86%	Annualized, Net	of Fees			
Market Value	\$	635,018	Last State	ment Date:	9/30/2017		
Capital Commitment	\$	1,000,000	100.00%				
Paid In Capital	\$	825,225	82.52%				
Remaining Commitment	\$	174,775	17.48%				
			% of	Recallable	% of		
Date	Co	ntributions	Commitment	Distributions		Di	stributions
7/27/2011	\$	160,000	16.00%	\$ -	-	\$	-
9/27/2011	\$	35,000	3.50%	\$ -	-	\$	-
12/28/2011	\$	50,723	5.07%	\$ -	-	\$	-
4/24/2012	\$	56,445	5.64%	\$ -	-	\$	(22,962)
6/24/2012	\$	50,000	5.00%	\$ -	-	\$	-
8/23/2012	\$	50,000	5.00%	\$ -	-	\$	(2,909)
11/21/2012	\$	30,000	3.00%	\$ -	-	\$	(16,671)
1/3/2013	\$	40,000	4.00%	\$ -	-	\$	-
8/12/2013	\$	100,000	10.00%	\$ -	-	\$	(35,860)
2/14/2014	\$	44,000	4.40%	\$ -	-	\$	-
5/20/2014	\$	80,000	8.00%	\$ -	-	\$	(49,323)
7/14/2014	\$	45,512	4.55%	\$ -	-	\$	(3,495)
12/8/2014	\$	16,254	1.63%	\$ -	-	\$	(29,570)
1/20/2015	\$	65,791	6.58%	\$ -	-	\$	(11,610)
8/3/2015	\$	-	-	\$ -	-	\$	(9,735)
3/23/2016	\$	-	-	\$ -	-	\$	(67,664)
7/18/2016	\$	-	-	\$ -	-	\$	(10,836)
1/27/2017	\$	1,500	0.15%	\$ -	-	\$	(64,973)
6/23/2017	\$	-	-	\$ -	-	\$	(43,902)
8/17/2017	\$	-	-	\$ -	-	\$	(15,753)
9/27/2017	\$	-		\$ -	-	\$	(5,960)
Total	\$	825,225	82.52%	\$ -	0.00%	\$	(391,223)

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

# Timber Investor Report Molpus Sustainable Woodlands Fund II, LP

IRR Since Inception		2.28%	Annualized, Net	of Fees			
Market Value	\$	3,063,801	Last State	ment Date:	9/30/2017		
Capital Commitment	\$	3,400,000	100.00%				
Paid In Capital	\$	3,400,000	100.00%				
Remaining Commitment	\$	-	0.00%				
			% of	Recallable	% of		
Date	Co	ntributions	Commitment	Distributions		Di	stributions
2/28/2009	\$	510,000	15.00%	\$ -	-	\$	-
9/30/2009	\$	2,890,000	85.00%	\$ -	-	\$	-
4/30/2010	\$	-	-	\$ -	-	\$	(19,365)
6/30/2010	\$	-	-	\$ -	-	\$	(67,116)
12/31/2010	\$	-	-	\$ -	-	\$	(28,663)
6/30/2011	\$	-	-	\$ -	-	\$	(19,109)
12/31/2011	\$	-	-	\$ -	-	\$	(38,218)
12/31/2012	\$	-	-	\$ -	-	\$	(47,772)
6/25/2013	\$	-	-	\$ -	-	\$	(76,435)
12/31/2013	\$	-	-	\$ -	-	\$	(114,653)
3/31/2014	\$	-	-	\$ -	-	\$	(47,772)
9/30/2014	\$	-	-	\$ -	-	\$	(47,772)
12/31/2014	\$	-	-	\$ -	-	\$	(28,663)
3/31/2015	\$	-	-	\$ -	-	\$	(38,218)
9/30/2015	\$	-	-	\$ -	-	\$	(47,772)
12/31/2015	\$	-	-	\$ -	-	\$	(47,772)
6/30/2016	\$	-	-	\$ -	-	\$	(28,663)
9/30/2016	\$	-	-	\$ -	-	\$	(76,435)
12/31/2016	\$	-	-	\$ -	-	\$	(95,544)
6/30/2017	\$	-	-	\$ -	-	\$	(38,218)
9/29/2017	\$	-	_	\$ -	-	\$	(38,218)
Total	\$	3,400,000	100.00%	\$ -	0.00%	\$	(946,378)

# **APPENDIX - MAJOR MARKET INDEX RETURNS**

0.77	THE VIEW	4 77		# ¥7
•			•	5 Years
	4.6			14.2
				14.2
				14.3
				15.3
				13.2
				13.8
				14.3
				13.3
				8.9
				9.3
				8.4
				4.4
•				10.8
ity (ex. US) 6.3	6.3	20.1	5.2	7.5
QTR	FYTD	1 Year	3 years	5 Years
Income 0.8	0.8	0.1	2.7	2.1
0.8	0.8	0.0	2.8	2.1
0.4	0.4	-1.6	2.0	1.2
Bonds 1.4	1.4	2.0	3.9	3.2
nediate 0.7	0.7	0.2	2.3	1.7
t Intermediate 0.6	0.6	0.2	2.1	1.6
Treasuries 0.2	0.2	0.2	0.8	0.5
Bonds 2.0	2.0	8.1	5.3	5.8
	2.1	-4.4	0.4	-1.2
	1.8	-2.7	0.9	-0.4
	1.8	-1.3	1.3	0.5
al Fixed Income 2.5	2.5	-2.4	0.2	-0.7
QTR	FYTD	1 Year	3 years	5 Years
0.9	0.9	0.5	9.7	9.6
1.9	1.9	7.6	10.8	11.6
0.6	0.6	3.3	5.2	7.1
es 2.5	2.5	-0.3	-10.4	-10.5
	Core       4.5         Core       4.5         Growth       5.9         Value       3.1         5.7       5.7         Growth       6.2         Value       5.1         Markets       5.5         Markets Growth       5.0         Markets Value       5.9         Markets Value       5.9         Markets       8.0         ity       5.3         ity (ex. US)       6.3            QTR         Income       0.8         0.4       0.6         1.4       0.6         1.2       0.6         1.3       0.4         1.4       0.6         1.4       0.6         1.5       0.2         1.6       0.2         1.8       0.2         1.8       0.2         1.8       0.2         1.8       0.2         1.8       0.2         1.9       0.9         1.9       0.9	tty 4.6 4.5 Core 4.5 4.5 Core 4.5 4.5 Growth 5.9 5.9 S.9 Value 3.1 3.1 3.1 5.7 5.7 Growth 6.2 6.2 Value 5.1 5.1 Markets 5.5 5.5 Markets Growth 5.0 5.0 Markets Value 5.9 5.9 Markets 8.0 8.0 sity 5.3 5.3 sity (ex. US) 6.3 6.3 Core	tty 4.6 4.6 18.7 Core 4.5 4.5 18.6 Core 4.5 4.5 18.5 Growth 5.9 5.9 21.9 Value 3.1 3.1 15.1 5.7 5.7 20.7 Growth 6.2 6.2 20.9 Value 5.1 5.1 20.5 Markets 5.5 5.5 19.7 Markets Growth 5.0 5.0 16.1 Markets Value 5.9 5.9 23.2 Markets 8.0 8.0 22.9 Markets 9.0 20.9 Markets 9.0 20.0 Ma	tty 4.6 4.6 18.7 10.7 Core 4.5 4.5 18.6 10.8 Core 4.5 4.5 18.5 10.6 Growth 5.9 5.9 21.9 12.7 Value 3.1 3.1 15.1 8.5 Growth 6.2 6.2 20.9 12.2 Value 5.1 5.1 20.5 12.1 Markets 5.5 5.5 19.7 5.5 Markets Growth 5.0 5.0 16.1 6.9 Markets 8.0 8.0 22.9 5.3 ity 5.3 5.3 19.3 8.0 ity (ex. US) 6.3 6.3 20.1 5.2   QTR FYTD 1 Year 3 years  Income 0.8 0.8 0.1 2.7 0.8 0.8 0.0 2.8 0.4 0.4 0.4 -1.6 2.0 3.9 3.0 0.4 0.4 0.4 -1.6 2.0 3.9 3.0 0.4 0.4 0.4 -1.6 2.0 3.9 3.0 0.4 0.4 0.4 -1.6 2.0 3.9 3.0 0.4 0.4 0.4 -1.6 2.0 3.9 3.0 0.4 0.4 0.4 -1.6 2.0 3.9 3.0 0.5 0.0 8.1 5.3 3.1 1.3 3.1 15.1 8.5 3.1 1.3 3.1 15.1 8.5 3.1 1.3 3.1 15.1 8.5 3.1 19.7 5.5 3.1 19.7 5.5 3.1 19.7 5.5 3.1 19.7 5.5 3.1 19.7 5.5 3.1 19.3 8.0 3.0 10.1 2.7 3.0 10.1 10.1 10.1 3.0 10.1 10.1 10.1 3.0 10.1 10.1 10.1 3.0 10.1 10.1 10.1 3.0 10.1 10.1 10.1 3.0 10.1 10.1 10.1 3.0 10.1 10.1 10.1 3.0 10.1 3.0 10.1

## **APPENDIX - DISCLOSURES**

\* The Burlington Policy Index was constructed as follows:

For periods since June 30, 2016:

30% S&P 500 18% Russell 2500 10% MSCI EAFE

10% MSCI EM 20% BC Intermediate Gov/Cred

2% S&P Completion Index 2% NCREIF Timberland 8% NCREIF ODCE

For periods from December 31, 2015 through June 30, 2016:

30% S&P 500 18% Russell 2500 10% MSCI EAFE

10% MSCI EM 28% BC Intermediate Gov/Cred

2% S&P Completion Index 2% NCREIF Timberland

For periods through December 31, 2015, this index uses the returns of the Manager Shadow Index.

- \* The Burlington Manager Shadow index is the weighted average of each manager portfolio's beginning value multiplied by its current quarter benchmark return.
- \* The Real Assets Blended Index is comprised of equal parts:

NCREIF ODCE NCREIF Timber Bloomberg Commodities (Formerly known as Dow Jones UBS Commodities)

- \* All values for the Pooled Cash account since June 2012 are subject to change. Audited statements are not provided for this account.
- \* 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.