



City of Burlington Employees Retirement System

Quarterly Investment Review - First Quarter 2021

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Past performance does not indicate future performance and there is possibility of a loss.

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Section 1 Fiduciary Governance Calendar

Fiduciary Governance Calendar



*Timing of actuarial review is dependent on client's individual plan and/or fiscal year and actuarial input.

Actuarial Review



Burlington Employees' Retirement System		
	<u>6/30/2020</u>	<u>6/30/2019</u>
Actuarial Value of Assets	\$209,861,722	\$202,509,768
Total Accrued Liability	\$293,171,198	\$278,151,191
Funded Ratio	71.6%	72.8%
Actuarial Return Assumption	7.30%	7.40%

Source: hooker & holcombe, 6/30/2020 Valuation Report

Portfolio Expense Analysis



Manager	Current Target %	Fee Schedule	Peer Group Fees	Peer Group
Johnson Institutional Core Bond (JIBFX)	20.0%	0.25%	0.57%	IM U.S. Broad Market Core Fixed Income (MF)
Mellon Large Cap Index	30.0%	0.01%	0.79%	IM U.S. Large Cap Core Equity (MF)
Mellon SMID Cap Index	18.0%	0.011%	1.00%	IM U.S. SMID Cap Equity Equity (MF)
Mellon EAFE Index	10.0%	0.02%	0.90%	IM International Large Cap Core Equity (MF)
Mellon Emerging Markets Index	10.0%	0.05%	1.20%	IM Emerging Markets Equity (MF)
Hamilton Lane II	0.5%	0.00%		
Hamilton Lane VII A	0.9%	1.00%		
Hamilton Lane VII B	0.6%	1.00%		
UBS TPF	8.0%	0.92%		
Molpus SWF II	2.0%	1.00%		
Weighted Average Investment Mgmt. Fee		0.17%		
Fiducient Fee		Flat fee of \$65,000		

*Allocation above does not include cash or amounts payable. Target allocations are sourced from Dahab Associates December 2020 Performance Review. UBS TPF expense ratio is estimated based on the following fee schedule: 0.955% on first \$10 million; 0.825% on next \$10 million. Hamilton Lane Secondary Fund II ceased from charging management fees in August 2020.

DISCLOSURE: The figures on this page have been obtained from sources we deem to be reliable. Fiducient Advisors has not independently verified this information. Fees for fund of funds are shown at the fund of fund level and do not include fees charged by underlying investment managers/funds.

The estimated annual custody fee represents the base fee and includes asset based, account based and line-item fees, where applicable. The estimate does not include applicable fees for transactions, trade settlement and/or wire transfers. Please refer to your custody agreement for a complete description of applicable fees and expenses.



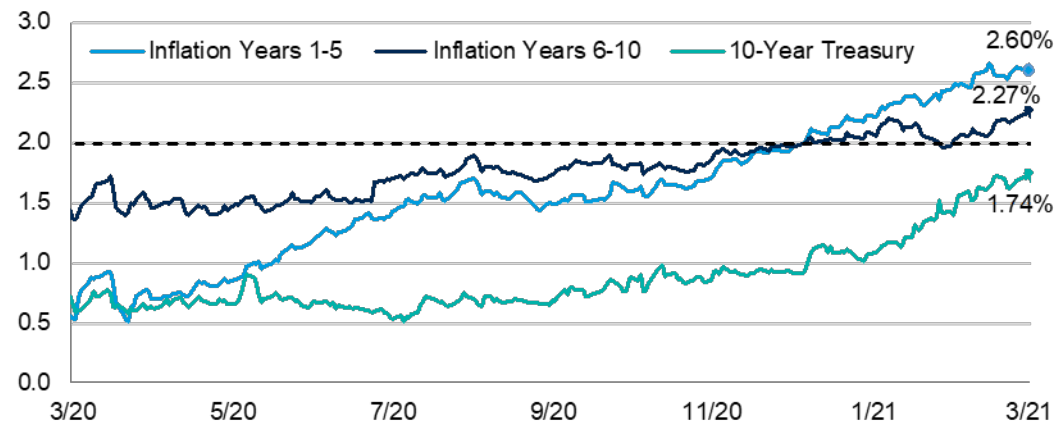
Section 2 Capital Markets Overview

Market Themes

- The American Rescue Plan Act (ARPA) and advancing vaccination efforts may serve as a bridge to more sustained positive economic momentum.
- Both interest rates and inflation expectations trended higher as global growth accelerated.
- Market breadth was strong during the quarter led by a recovery among areas most afflicted by the pandemic.

Inflation Expectations and Interest Rates

Inflation estimates are rising but at a moderating pace with longer-term projections around the Fed's 2% average target. The 10-year Treasury is also approaching that level.

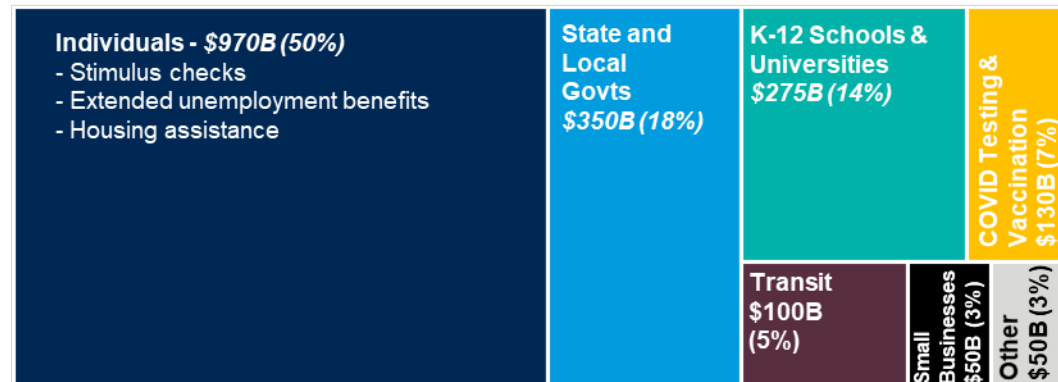


Sources: Bloomberg. Inflation Years 1-5: 5-Year Breakeven Inflation Rate. Inflation Years 6-10: 5 Year, 5 year Forward Breakeven Inflation Rate.

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ARPA Stimulus Package Components

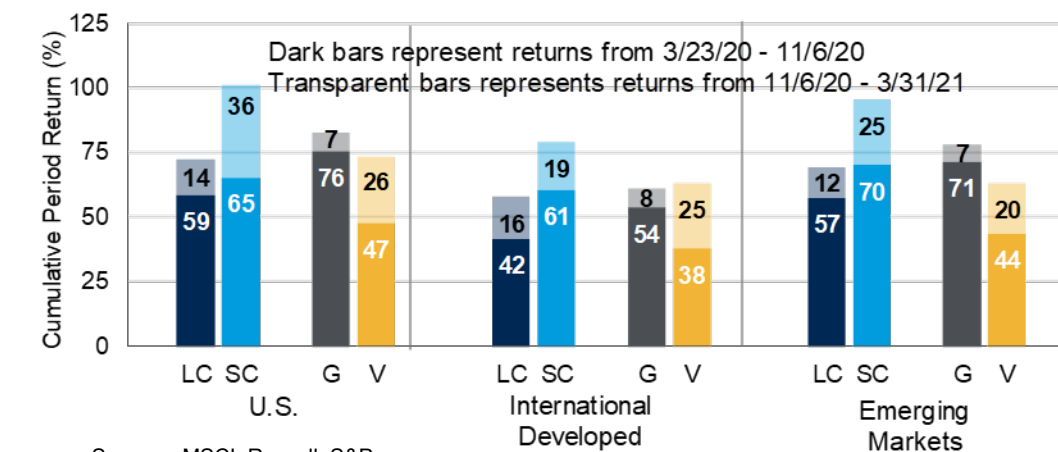
A majority of the recent stimulus package offers support to individuals via checks and extended unemployment benefits, which could encourage more consumer spending.



Congressional Budget Office; staff of the Joint Committee on Taxation (JCT).

Market Capitalization and Style Performance

Markets segments hardest hit by the pandemic and subsequent policy measures (e.g., small caps, financials, energy) have recently experienced the most noteworthy gains.



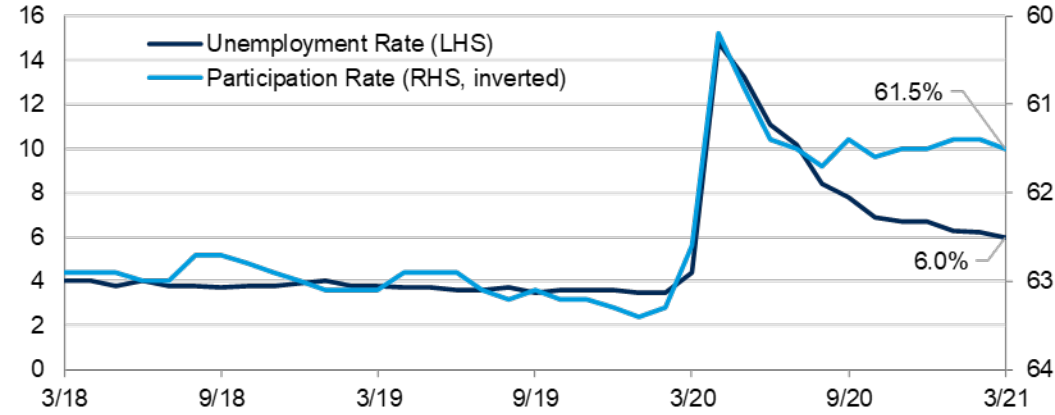
Sources: MSCI, Russell, S&P

Economic Review



Labor Market Conditions

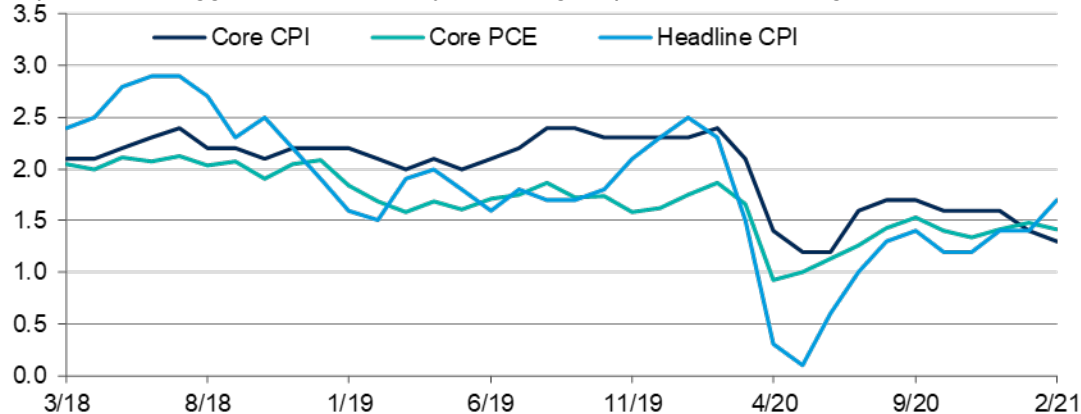
Falling unemployment should support consumer spending (~2/3rd of GDP); however, the participation rate remains below average, which could dampen inflation pressures.



Source: Bureau of Labor Statistics (BLS)

U.S Inflation

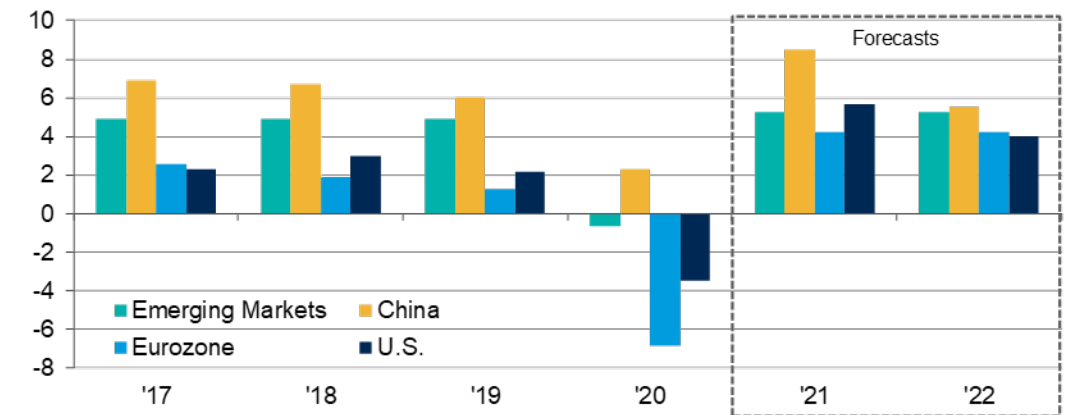
Current inflation measures are still running below the Fed's average 2% target, but rising expectations suggest that we're likely to see higher prints in the coming months.



Sources: Bureau of Labor Statistics (BLS), Bureau of Economic Analysis (BEA). Subject to one-month lag

Real GDP Growth (YoY)

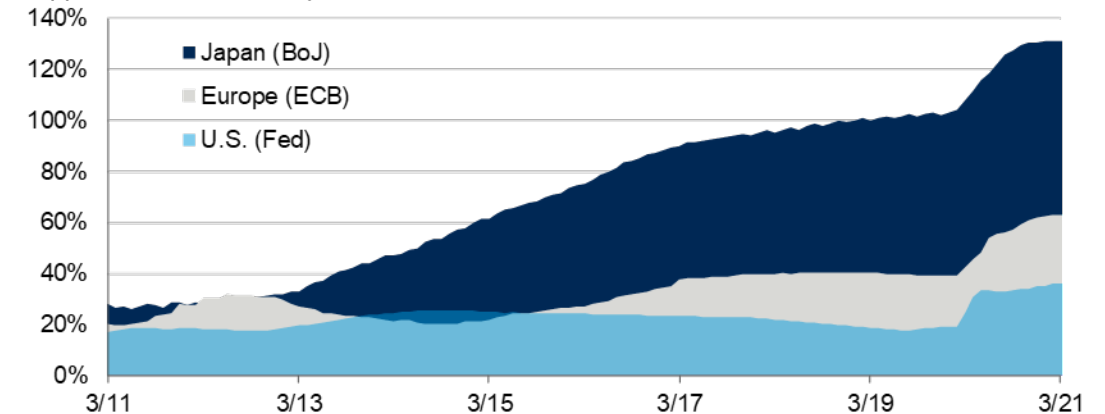
Strong GDP growth is expected in the coming years across all major regions, most notably in China as one of the first countries to emerge from the pandemic-induced shutdown.



Source: Bloomberg. Forecasts based on Bloomberg survey.

Central Bank Balance Sheets as a Percentage of GDP

Despite unprecedented levels of monetary easing, the Fed has a lot more policy room to support economic activity.



Source: Bloomberg

Financial Markets Performance



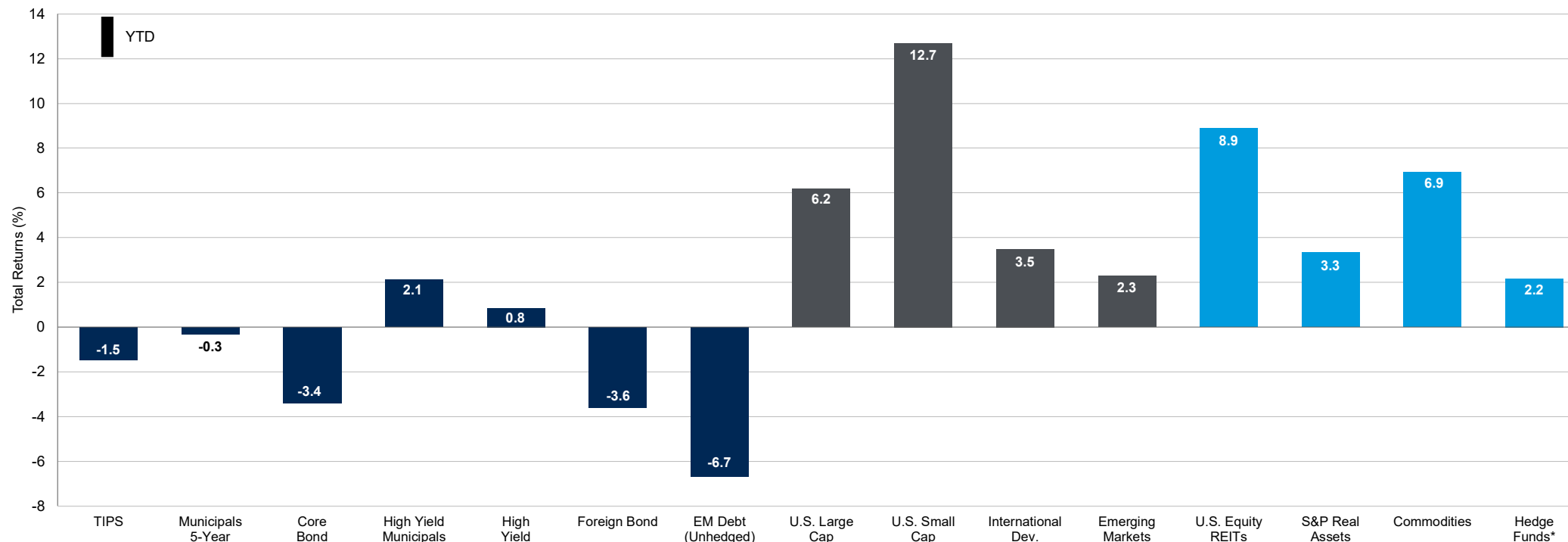
Global Fixed Income Markets	QTD	YTD	1YR	3YR	5YR	7YR	10YR	15YR
Bloomberg Barclays 1-3-Month T-Bill	0.0%	0.0%	0.1%	1.4%	1.1%	0.8%	0.6%	1.1%
Bloomberg Barclays U.S. TIPS	-1.5%	-1.5%	7.5%	5.7%	3.9%	3.4%	3.4%	4.4%
Bloomberg Barclays Municipal Bond (5 Year)	-0.3%	-0.3%	5.1%	3.9%	2.5%	2.6%	2.9%	3.7%
Bloomberg Barclays High Yield Municipal Bond	2.1%	2.1%	15.0%	7.3%	6.4%	6.3%	7.1%	5.4%
Bloomberg Barclays U.S. Aggregate	-3.4%	-3.4%	0.7%	4.7%	3.1%	3.3%	3.4%	4.3%
Bloomberg Barclays U.S. Corporate High Yield	0.8%	0.8%	23.7%	6.8%	8.1%	5.4%	6.5%	7.4%
Bloomberg Barclays Global Aggregate ex-U.S. Hedged	-1.9%	-1.9%	1.5%	3.9%	3.3%	4.0%	4.2%	4.2%
Bloomberg Barclays Global Aggregate ex-U.S. Unhedged	-5.3%	-5.3%	7.2%	1.1%	2.1%	0.9%	1.3%	3.3%
Bloomberg Barclays U.S. Long Gov / Credit	-10.4%	-10.4%	-2.1%	7.1%	5.5%	6.1%	7.0%	6.9%
JPMorgan GBI-EM Global Diversified	-6.7%	-6.7%	13.0%	-0.8%	3.1%	0.2%	0.5%	4.3%
Global Equity Markets	QTD	YTD	1YR	3YR	5YR	7YR	10YR	15YR
S&P 500	6.2%	6.2%	56.3%	16.8%	16.3%	13.6%	13.9%	10.0%
Dow Jones Industrial Average	8.3%	8.3%	53.8%	13.6%	16.0%	13.1%	13.1%	10.3%
NASDAQ Composite	3.0%	3.0%	73.5%	24.6%	23.5%	19.2%	18.3%	13.5%
Russell 3000	6.3%	6.3%	62.5%	17.1%	16.6%	13.4%	13.8%	10.0%
Russell 1000	5.9%	5.9%	60.6%	17.3%	16.6%	13.6%	14.0%	10.2%
Russell 1000 Growth	0.9%	0.9%	62.7%	22.8%	21.0%	17.5%	16.6%	12.4%
Russell 1000 Value	11.2%	11.2%	56.1%	10.9%	11.7%	9.4%	11.0%	7.7%
Russell Mid Cap	8.1%	8.1%	73.6%	14.7%	14.7%	11.6%	12.5%	9.8%
Russell Mid Cap Growth	-0.6%	-0.6%	68.6%	19.4%	18.4%	14.4%	14.1%	10.9%
Russell Mid Cap Value	13.0%	13.0%	73.7%	10.7%	11.6%	9.3%	11.1%	8.6%
Russell 2000	12.7%	12.7%	94.8%	14.7%	16.3%	11.0%	11.7%	8.8%
Russell 2000 Growth	4.9%	4.9%	90.2%	17.1%	18.6%	12.7%	13.0%	10.0%
Russell 2000 Value	21.2%	21.2%	97.0%	11.5%	13.5%	8.9%	10.0%	7.4%
MSCI ACWI	4.6%	4.6%	54.6%	12.1%	13.2%	9.4%	9.1%	7.0%
MSCI ACWI ex. U.S.	3.5%	3.5%	49.4%	6.5%	9.8%	5.3%	4.9%	4.5%
MSCI EAFE	3.5%	3.5%	44.6%	6.0%	8.8%	4.8%	5.5%	4.1%
MSCI EAFE Growth	-0.6%	-0.6%	42.6%	9.8%	10.8%	7.2%	7.2%	5.5%
MSCI EAFE Value	7.4%	7.4%	45.7%	1.8%	6.6%	2.2%	3.7%	2.6%
MSCI EAFE Small Cap	4.5%	4.5%	62.0%	6.3%	10.5%	7.4%	8.0%	5.7%
MSCI Emerging Markets	2.3%	2.3%	58.4%	6.5%	12.1%	6.6%	3.7%	5.9%
Alternatives	QTD	YTD	1YR	3YR	5YR	7YR	10YR	15YR
Consumer Price Index*	0.6%	0.6%	2.0%	1.8%	2.0%	1.6%	1.7%	1.9%
FTSE NAREIT Equity REITs	8.9%	8.9%	37.8%	9.5%	5.3%	7.7%	8.6%	6.1%
S&P Developed World Property x U.S.	2.2%	2.2%	33.8%	3.1%	5.4%	5.2%	6.0%	4.2%
S&P Developed World Property	5.6%	5.6%	35.9%	6.1%	5.2%	6.2%	7.1%	4.9%
Bloomberg Commodity Total Return	6.9%	6.9%	35.0%	-0.2%	2.3%	-5.8%	-6.3%	-3.4%
HFRI Fund of Funds Composite*	2.2%	2.2%	24.3%	5.6%	5.7%	3.9%	3.5%	2.8%
HFRI Fund Weighted Composite*	5.3%	5.3%	33.1%	7.4%	7.4%	5.2%	4.6%	4.7%
Alerian MLP	22.0%	22.0%	103.1%	-3.0%	-1.3%	-6.5%	-0.9%	4.6%

*One month lag.

Source: Bloomberg as of 3/31/21. Total returns as of 3/31/21. Periods greater than 1 year are annualized. All returns are in U.S. dollar terms. Past performance does not indicate future performance and there is a possibility of a loss.



Asset Class Performance



*Hedge fund returns are lagged 1 month. Sources: Bloomberg, J.P. Morgan, Russell, MSCI, FTSE Russell, Alerian. Hedge Funds returns as of 2/28/21. All other returns as of 3/31/21.

Fixed Income (1Q 2021)

- Climbing intermediate and long-dated Treasury rates
- + Continued demand for bonds with higher yields benefitted spread sectors
- Dollar strength hurt emerging markets

Equities (1Q 2021)

- + Continued vaccination efforts supported optimism for growth, particularly in the U.S.
- + Economically-sensitive stocks hardest hit by COVID-19 mitigation efforts led the rally
- Dollar strength hurt emerging markets

Real Assets / Alternatives (1Q 2021)

- + Rebound in most REIT sectors, notably retail and residential
- + Higher inflation expectations and extreme cold weather supported oil prices

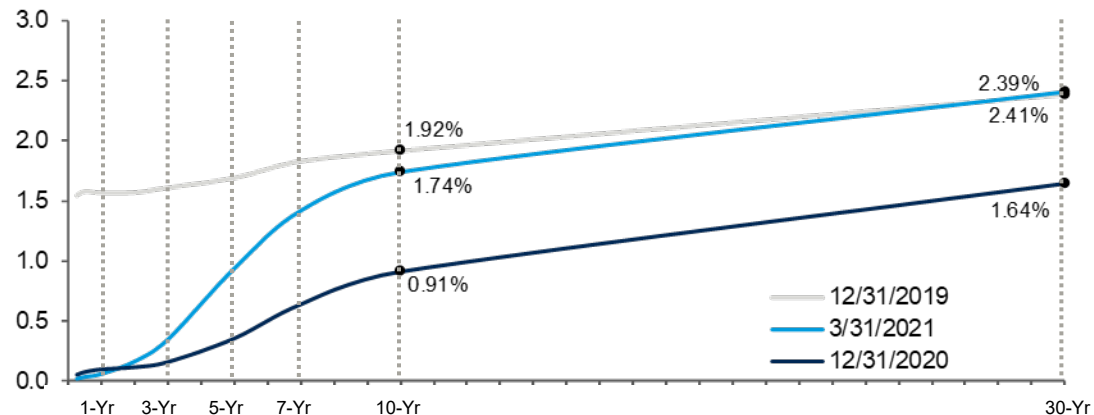
See disclosures for list of indices representing each asset class. Past performance does not indicate future performance and there is a possibility of a loss.



Fixed Income Market Update

U.S. Treasury Curve

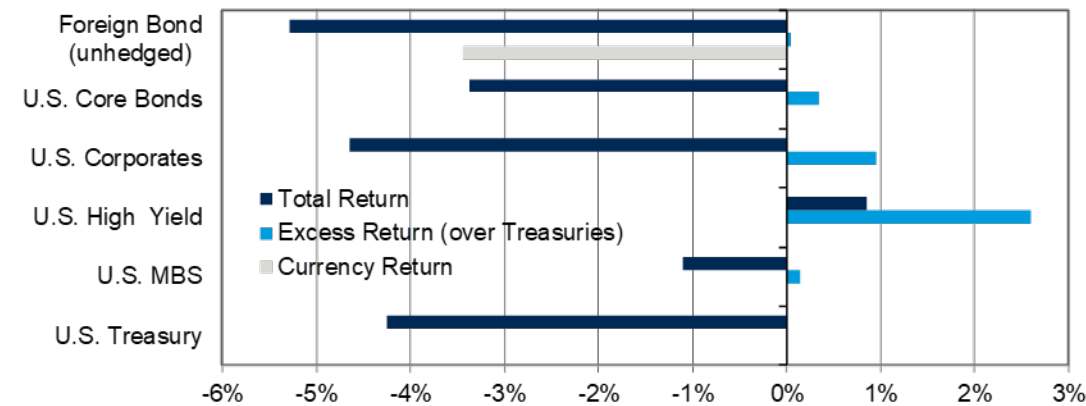
A sharp selloff in U.S. Treasuries left the 10-year and 30-year rates about 0.8% higher at quarter-end, reaching levels the market hasn't seen in over a year.



Source: Bloomberg

Index Performance Attribution (1Q 2021)

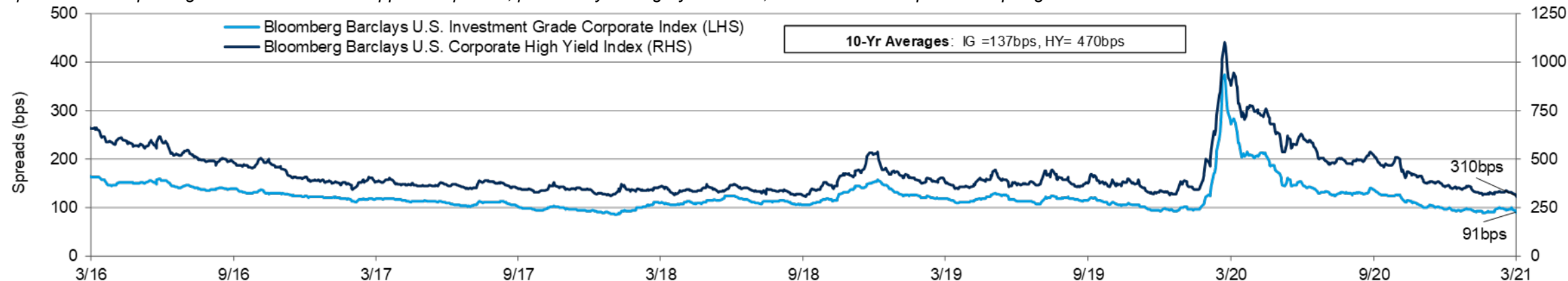
Rising Treasury yields hurt performance across fixed income indices, but tightening spreads offset some weakness, particularly in riskier parts of the market.



Source: Bloomberg

Credit Market Spreads – Trailing 5 Years

Despite volatile and rising Treasury yields and robust corporate bond issuance, spreads tightened modestly benefiting from the continued demand for yield in fixed income markets. Vaccine optimism and improving economic data also supported spreads, particularly the high-yield index, which closed the quarter 50bps tighter.



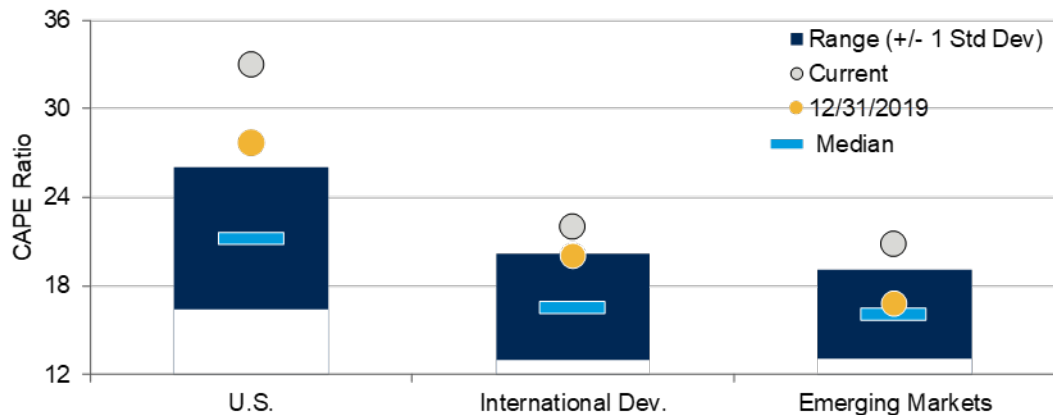
Source: Bloomberg

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Equity Market Update

Equity Valuations (Trailing 15 Years)

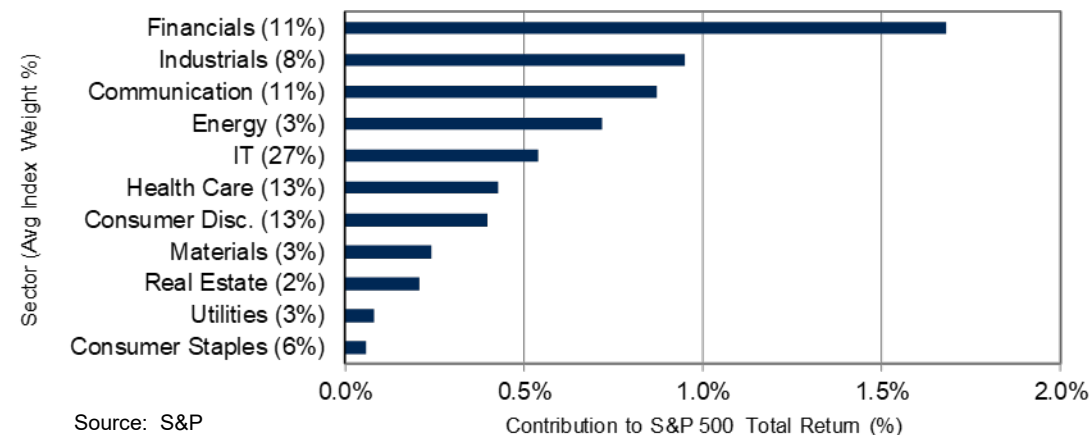
Another positive quarter for global equity returns pushed valuations even higher, and now all markets are trading above historical ranges (+/- 1 standard deviation).



Source: MSCI as of 3/31/21. U.S = USA Price Return USD Index, Int. Dev = World Excluding United States Index, EM = Emerging Markets Index.

U.S. Equities – Contribution to Return by Sector (1Q 2021)

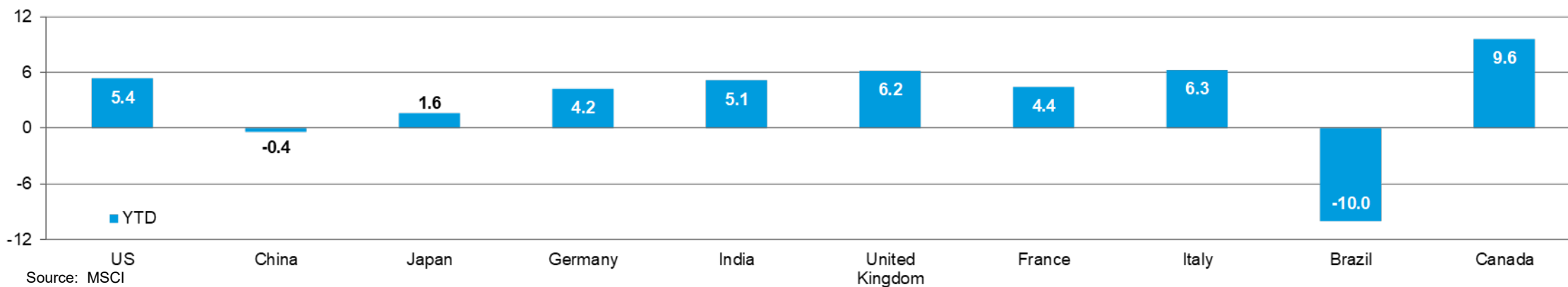
Stocks advanced across industries led by financials, particularly banks, which benefit from higher Treasury rates that support higher loan rates.



Source: S&P

Country Total Returns (%) – Top 10 Largest Economies

Most developed economies led the first quarter rally while some emerging economies struggled. Some Chinese companies within the consumer industry stumbled on increased concerns of more regulation. Brazil's political troubles and battle with COVID continue to challenge the country.



Source: MSCI

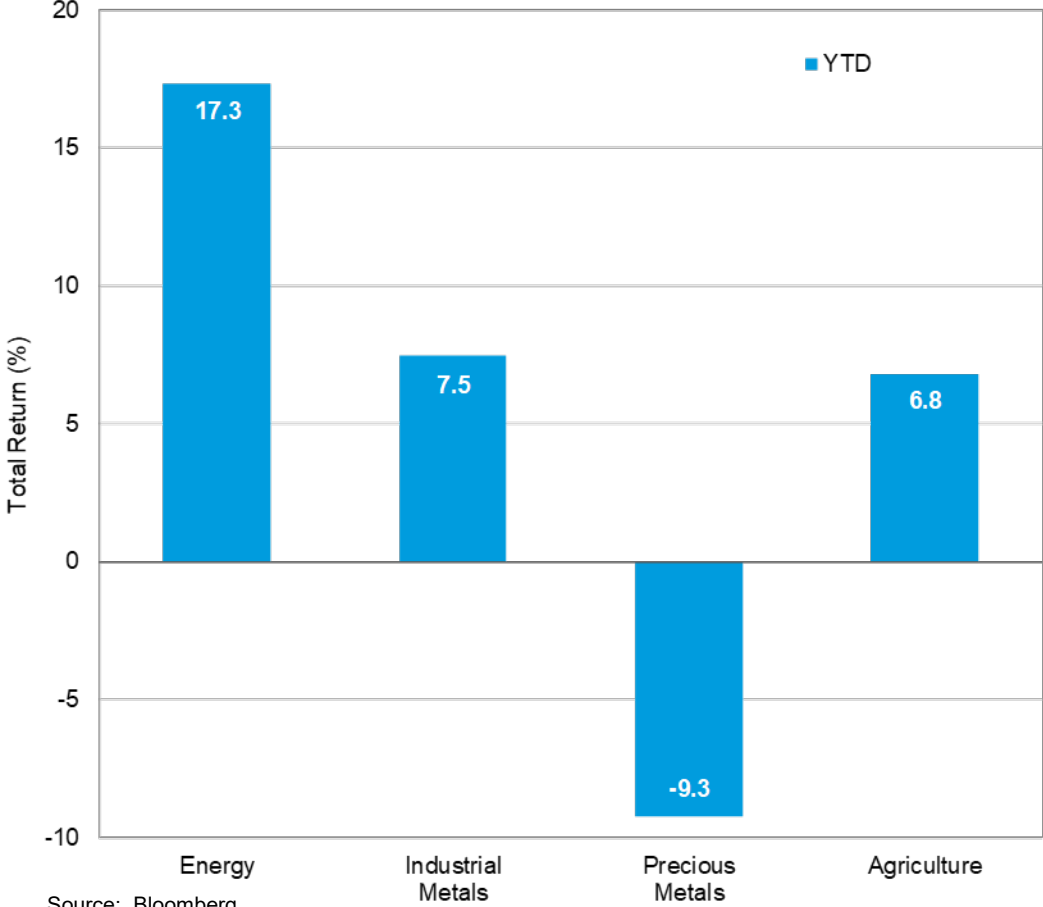
See disclosures for list of indices representing each asset class. Past performance does not indicate future performance and there is a possibility of a loss.



Real Assets / Alternatives Market Update

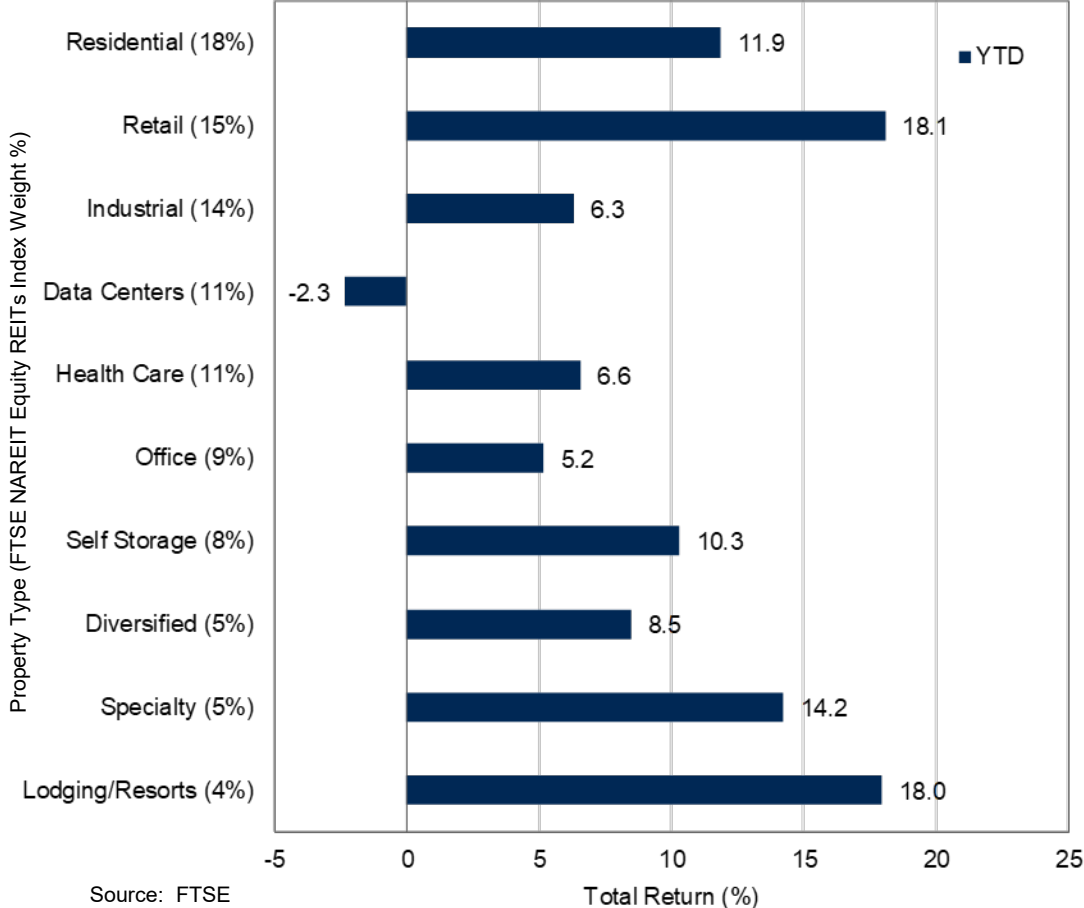
Real Assets Performance

While rising inflation expectations benefitted commodities in aggregate, accelerating growth and inflation weighed on precious metals through the first quarter.




REIT Sector Performance

Most REIT sectors generated positive returns in the first quarter on continued vaccine optimism and in anticipation of more economic reopening in the U.S.



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Section 3 Portfolio and Manager Review

Asset Allocation

As of March 31, 2021

	Asset Allocation (\$)	Asset Allocation (%)	Target Allocation (%)	Differences (%)
Total Plan	235,790,100	100.0	100.0	0.0
Short Term Liquidity	-4,021,439	-1.7	0.0	-1.7
Key Bank Cash Portfolio	194,969	0.1	0.0	0.1
Pooled Cash	-4,216,408	-1.8	0.0	-1.8
Fixed Income	39,184,832	16.6	20.0	-3.4
JIC Core Bond Fund I	39,184,832	16.6	20.0	-3.4
Equity	184,245,103	78.1	70.0	8.1
Domestic Equity	133,051,398	56.4	48.0	8.4
Mellon Large Cap Core	79,075,121	33.5	30.0	3.5
Mellon Smid Cap Core	53,976,277	22.9	18.0	4.9
International Equity	50,160,194	21.3	20.0	1.3
Mellon EAFE Fund	24,174,521	10.3	10.0	0.3
Mellon Emerging Markets	25,985,673	11.0	10.0	1.0
Private Equity	1,033,512	0.4	2.0	-1.6
Hamilton Lane II	74,773	0.0	-	-
Hamilton Lane VII A	596,313	0.3	-	-
Hamilton Lane VII B	362,426	0.2	-	-
Real Assets	16,381,603	6.9	10.0	-3.1
UBS Trumbull Property Fund	14,275,581	6.1	8.0	-1.9
Molpus SWF II	2,106,022	0.9	2.0	-1.1

Investments with a zero balance were held in the portfolio during the reporting period and will be removed once they no longer impact portfolio performance.
Asset Allocation weightings may not add up to 100% due to rounding.

Total Portfolio Performance Summary - City of Burlington Employees Retirement System

As of March 31, 2021

Account Reconciliation

	QTR	Since Inception	Inception Date
Total Plan			01/01/2008
Beginning Market Value	227,719,937	126,047,968	
Net Contributions	-1,651,087	-29,231,334	
Total Gain/Loss	9,721,249	138,973,466	
Ending Market Value	235,790,100	235,790,100	

Policy Benchmark Composition

Allocation Mandate	Weight (%)
Dec-2019	
Blmbg. Barc. U.S. Aggregate Index	20.00
S&P 500 Index	32.00
Russell 2500 Index	18.00
MSCI EAFE (Net) Index	10.00
MSCI Emerging Markets (Net) Index	10.00
NCREIF Fund Index - ODCE (net)	8.00
NCREIF Timberland Index	2.00

Trailing Performance Summary

	QTR	Jul-2020 To Mar-2021	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
Total Plan	4.3	24.0	42.0	10.0	10.8	7.7	7.4	5.9	01/01/2008
<i>Policy Benchmark</i>	4.0	23.4	41.8	10.9	11.3	9.0	9.2	7.2	
Difference	0.3	0.6	0.2	-0.9	-0.5	-1.3	-1.8	-1.3	

Calendar Year Performance Summary

	2020	2019	2018	2017	2016	2015	2014	2013
Total Plan	12.7	19.1	-5.2	17.0	8.7	-2.2	4.0	7.7
<i>Policy Benchmark</i>	14.5	20.6	-5.2	16.9	9.0	-0.2	7.3	19.0
Difference	-1.8	-1.5	0.0	0.1	-0.3	-2.0	-3.3	-11.3

Manager Performance Overview

As of March 31, 2021

	QTR	Jul-2020 To Mar-2021	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
Fixed Income	-4.0	-3.0	0.2	4.0	N/A	N/A	N/A	3.6	01/01/2017
<i>Blmbg. Barc. U.S. Aggregate Index</i>	-3.4	-2.1	0.7	4.7	N/A	N/A	N/A	3.8	
JIC Core Bond Fund I	-4.0 (96)	-3.0 (99)	0.2 (98)	N/A	N/A	N/A	N/A	0.7 (68)	03/01/2020
<i>Blmbg. Barc. U.S. Aggregate Index</i>	-3.4	-2.1	0.7	N/A	N/A	N/A	N/A	0.1	
IM U.S. Broad Market Core Fixed Income (MF) Median	-3.0	-0.5	4.4	N/A	N/A	N/A	N/A	1.3	
Equity	6.6	34.9	62.8	13.4	N/A	N/A	N/A	14.6	01/01/2017
<i>MSCI AC World Index (Net)</i>	4.6	29.7	54.6	12.1	N/A	N/A	N/A	13.7	
Domestic Equity									
Mellon Large Cap Core	6.2 (57)	29.7 (52)	56.2 (45)	16.7 (29)	16.2 (24)	N/A	N/A	16.2 (24)	04/01/2016
<i>S&P 500 Index</i>	6.2	29.7	56.4	16.8	16.3	N/A	N/A	16.3	
IM U.S. Large Cap Core Equity (MF) Median	6.4	29.8	55.3	15.3	15.2	N/A	N/A	15.2	
Mellon Smid Cap Core	11.0 (48)	49.7 (32)	89.4 (35)	15.4 (46)	16.1 (47)	N/A	N/A	16.1 (47)	04/01/2016
<i>Russell 2500 Index</i>	10.9	49.6	89.4	15.3	15.9	N/A	N/A	15.9	
IM U.S. SMID Cap Equity (MF) Median	10.2	46.7	83.3	14.6	15.5	N/A	N/A	15.5	
International Equity									
Mellon EAFE Fund	3.6 (65)	26.1 (73)	45.6 (76)	6.6 (34)	9.4 (35)	N/A	N/A	9.4 (35)	04/01/2016
<i>MSCI EAFE (Net) Index</i>	3.5	25.8	44.6	6.0	8.8	N/A	N/A	8.8	
IM International Large Cap Core Equity (MF) Median	4.4	30.7	52.9	6.3	8.6	N/A	N/A	8.6	
Mellon Emerging Markets	2.3 (57)	34.1 (53)	58.4 (66)	6.5 (46)	12.0 (45)	N/A	N/A	12.0 (45)	04/01/2016
<i>MSCI Emerging Markets (Net) Index</i>	2.3	34.1	58.4	6.5	12.1	N/A	N/A	12.1	
IM Emerging Markets Equity (MF) Median	2.9	34.5	63.0	6.2	11.7	N/A	N/A	11.7	

Returns for periods less than one year are not annualized. Returns are net of fees unless otherwise noted.

Manager Performance Overview

As of March 31, 2021

	QTR	Jul-2020 To Mar-2021	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
Private Equity									
Hamilton Lane II	0.0	2.0	3.7	26.0	19.6	17.9	18.0	19.6	03/01/2009
Hamilton Lane VII A	0.0	7.8	9.2	12.5	12.0	11.4	N/A	12.1	07/01/2011
Hamilton Lane VII B	0.0	4.6	5.5	10.4	10.0	9.8	N/A	11.3	07/01/2011
Real Assets	0.0	2.3	4.6	4.5	N/A	N/A	N/A	4.6	01/01/2017
UBS Trumbull Property Fund	0.0	-2.7	-5.3	-1.3	N/A	N/A	N/A	1.4	07/01/2016
<i>NCREIF Fund Index - ODCE (net)</i>	1.9	3.3	1.5	4.0	N/A	N/A	N/A	5.1	
Molpus SWF II	0.0	0.5	0.4	-0.5	-0.6	0.8	0.8	1.8	03/01/2009
<i>NCREIF Timberland Index</i>	0.0	0.6	0.7	1.5	2.0	3.3	4.3	3.2	

The inception date expressed on the Manager Performance Overview page(s) represents the first day of the first full month following the purchase of the investment. Performance figures shown at the fund level begin on this inception date. Inception dates for asset class composites reflect the start date at which these returns could be calculated using historical and existing system capabilities and may vary from the inception dates of underlying component strategies. Composite performance includes all funds held in the composite since inception.

Returns are net of fees unless otherwise stated. Mutual fund performance stated above may differ slightly from the current share class' historical performance due to share class exchanges.

Valuations stated for cash portfolios are through 2/28/2021.

Returns for periods less than one year are not annualized. Returns are net of fees unless otherwise noted.



Section 4 Considerations



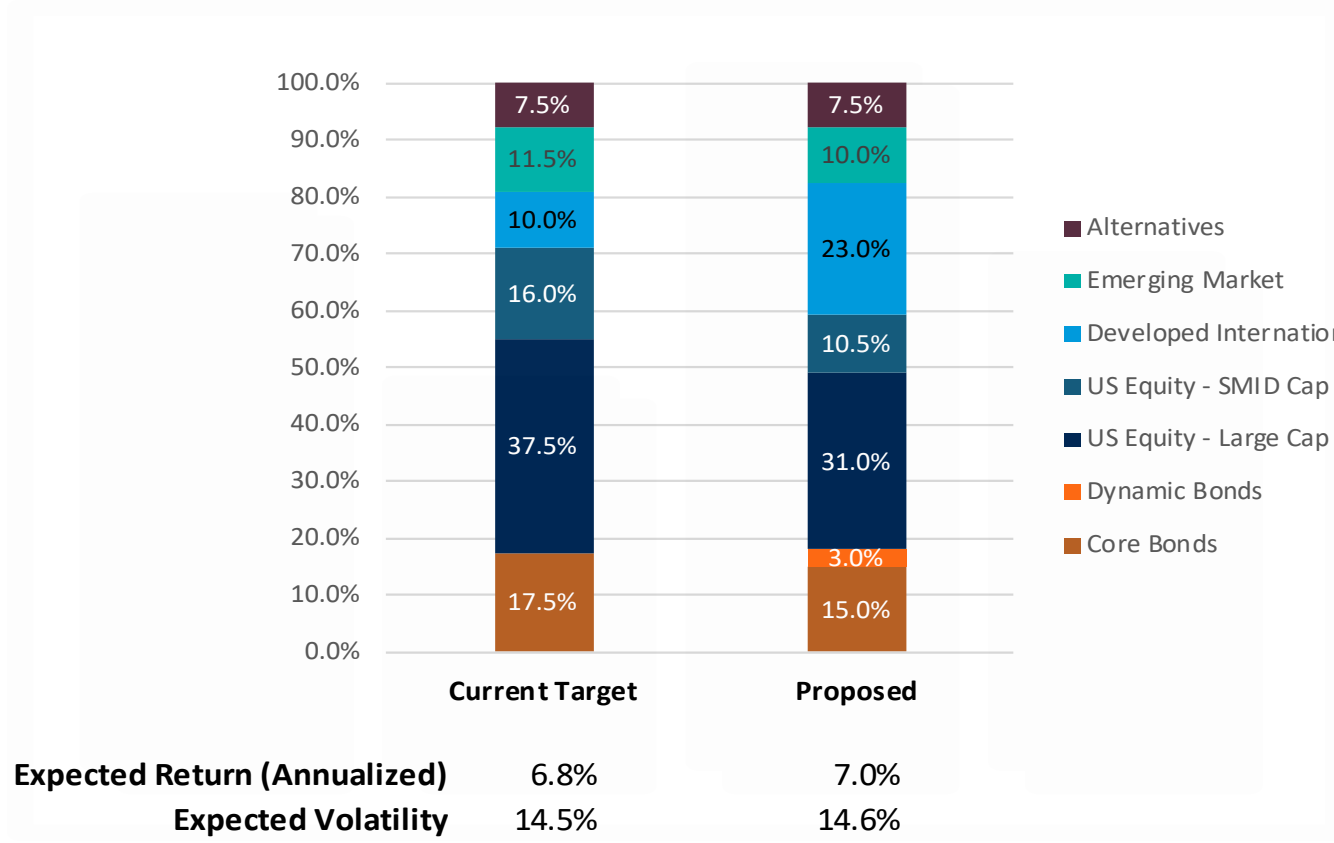
Executive Summary

Burlington Employees' Retirement System

- **Asset Allocation Structure**

- The current allocation of 75% Equity / 17% Fixed Income / 7% Alternative models to an expected return of 6.8% based on DiMeo Schneider's 20-year Capital Market Assumptions.
 - The expected rate of return used by the plan is currently 7.3% and trending down to 7.0%
- The current portfolio exhibits a bias toward US equities over international equities.
 - US equities represent 72% of the portfolio's allocation to global equities
- Consider a more balanced allocation between US and international equities.
 - Moving from US equities into international equities increase the portfolio's expected return to 7.0%, absent manager alpha
- Given the extremely low interest rate environment and the massive amount of fiscal stimulus, fixed income markets will be challenged to generate positive real returns for investors over the next decade. Consider adding a skilled, flexible bond manager that has the ability to cast a wider opportunity set to mitigate the potential for higher interest rates.

Frontier Engineer® Analysis



Historical Returns and Risk Metrics for each Mix represent back-tested calculations developed with the benefit of hindsight. Return calculations use an asset-weighted methodology based on the target asset allocation of each mix and the total return of index proxies used to represent each asset class and are gross of fees. Historical returns are hypothetical and do not represent returns earned by a client. It is not possible to invest in an index. Please see disclosures at the end of this presentation for additional important information, including index proxies used to represent each asset class. Please ask for a copy of DiMeo Schneider's white paper titled 10-Year Capital Market Forecasts. Past performance does not indicate future performance and it is possible to lose money when investing.

Portfolio Considerations



Our updated Capital Market Assumptions and the resulting allocation modeling would suggest that, on a forward-looking basis, investors may be hard-pressed to maintain a static risk profile and still achieve the returns necessary to meet long-term objectives. As such, consideration should be given to making portfolio adjustments in order to achieve stated return objectives and mitigate risk going forward.

INCREASE INTERNATIONAL EXPOSURE

- a. International Equity has the highest forward-looking return assumption in our modeling, which is supportive of a meaningful allocation to the space.
- b. The International Monetary Fund (IMF) is forecasting accelerating global growth, particularly in Emerging Markets and Developing Economies. This, in our opinion, is supportive of risk assets overseas.
- c. Currency strength tends to be cyclical. After a prolonged period of strength, the U.S. Dollar has recently depreciated relative to other global currencies. Should this reversion continue, it would act as a tailwind for U.S. Dollar-based investors.

ALLOCATION TO DYNAMIC BONDS

- a. The Federal Open Market Committee (FOMC) reduced the Federal Funds rate to zero in response to the economic fallout from COVID-19. With this backdrop, it is our view that fixed income markets will be challenged to generate positive real returns for investors over the next decade.
- b. An example that underscores this is that, while the Bloomberg Barclays Aggregate Index has a duration of nearly seven years, the yield per unit of duration is currently at its lowest since the index's inception in 1976.
- c. While core bonds serve a purpose in the portfolio, currently, investors are not fully compensated for the interest rate risk they bear. As a result, we believe that offering skilled active managers a wider opportunity set and more "levers to pull" is warranted in this low return environment.
- d. Within dynamic bond managers, we prefer managers with lower duration profiles and differentiated return streams compared to the Bloomberg Barclays Aggregate index. We deliberately avoid managers that swap out interest rate risk for credit risk.

BERS Current & Proposed Portfolios

(excludes cash & payables)

Asset Class / Manager	Style	Current Portfolio			Proposed Allocation		
		Allocation as of March 31, 2021 ¹	Expense Ratio ²	Allocation as of March 31, 2021 ¹	Expense Ratio ²		
Fixed Income		39,184,832	16.3%	43,320,318	18.0%		
Johnson Core Bond	Core Bonds	39,184,832	16.3%	36,073,120	15.0%	0.25%	0.25%
US Bonds - Dynamic	Dynamic Bonds	-	0.0%	7,247,198	3.0%		0.76%
US Equities		133,051,398	55.5%	99,703,465	41.5%		
Mellon Large Cap	Passive Large Blend	79,075,121	33.0%	74,409,312	31.0%	0.01%	0.01%
Mellon SMID Cap	Passive SMID Cap	53,976,277	22.5%	25,294,153	10.5%	0.011%	0.011%
International Equities		50,160,194	20.9%	79,372,641	33.0%		
Mellon EAFE	Passive Intl. Dev.	24,174,521	10.1%	55,274,597	23.0%	0.02%	0.02%
Mellon Emerging Markets	Passive Emerging Mkts	25,985,673	10.8%	-	0.0%	0.05%	
Active Emerging Markets	Active Emerging Mkts	-	0.0%	24,098,044	10.0%		1.00%
Private Equity		1,033,512	0.4%	1,033,512	0.4%		
Hamilton Lane II	Private Equity	74,773	0.0%	74,773	0.0%	N/A	N/A
Hamilton Lane VII A	Private Equity	596,313	0.2%	596,313	0.2%	1.0%	1.0%
Hamilton Lane VII B	Private Equity	362,426	0.2%	362,426	0.2%	1.0%	1.0%
Real Assets		16,381,603	6.8%	16,381,603	6.8%		
UBS TPF	Private RE	14,275,581	6.0%	14,275,581	6.0%	0.916%	0.916%
Molpus SWF II	Timber	2,106,022	0.9%	2,106,022	0.9%	1.0%	1.0%
Total		239,811,539	100.0%	239,811,539	100.0%	0.13%	0.24%

*Allocation above does not include cash or amounts payable. ¹Hamilton Lane & UBS capital balances are valued as of 12/31/2020, adjusted for subsequent cash flows. Molpus capital balance is valued as of 9/30/2020 as year-end data is not yet available. ²Expense ratios shown above do not include any applicable performance based fees. UBS TPF expense ratio is the estimated annual fee based on the following fee schedule: 0.955% on first \$10 million; 0.825% on next \$10 million. Hamilton Lane Secondary Fund II ceased from charging management

Sources: Johnson, Mellon, Hamilton Lane, UBS, and Molpus capital statements



Section 5 Next Steps

Next Steps

- Today
 - Vote on the Asset Allocation
 - Vote on the changes to the Investment Policy Statement
 - Transition to the new allocation in a dollar-cost averaging approach over 3 monthly tranches, with the exception of dynamic bonds
- May / June
 - Review and select custodian bank as the safe keeper of assets (typically up to 60 days for account opening)
 - Review active managers for emerging markets and dynamic bond and select finalists for interviews
- June / July
 - Interview selected active managers
 - Implement



Section 6 Appendix

Manager Commentary

As of March 31, 2021

Manager	Manager Status	Comments
Fixed Income		
JIC Core Bond Fund I	Maintain	1Q 2021 - Commentary not available at time of report production.
Domestic Equity		
Mellon Large Cap Core	Maintain	In accordance with its investment objective, the Mellon Large Cap Core strategy performed in line with the S&P 500 Index.
Mellon Smid Cap Core	Maintain	In accordance with its investment objective, the Mellon Smid Cap Core strategy performed in line with the Russell 2500 Index.
International Equity		
Mellon EAFE Fund	Maintain	In accordance with its investment objective, the Mellon EAFE Fund performed in line with the MSCI EAFE.
Mellon Emerging Markets	Maintain	In accordance with its investment objective, the Mellon Emerging Markets strategy performed in line with the MSCI Emerging Markets.
Private Equity		
Hamilton Lane II	Maintain	1Q 2021 - Commentary not available at time of report production.
Hamilton Lane VII A	Maintain	1Q 2021 - Commentary not available at time of report production.
Hamilton Lane VII B	Maintain	1Q 2021 - Commentary not available at time of report production.
Real Assets		
UBS Trumbull Property Fund	Maintain	1Q 2021 - Commentary not available at time of report production.
Molpus SWF II	Maintain	1Q 2021 - Commentary not available at time of report production.

Manager Gain/Loss Summary

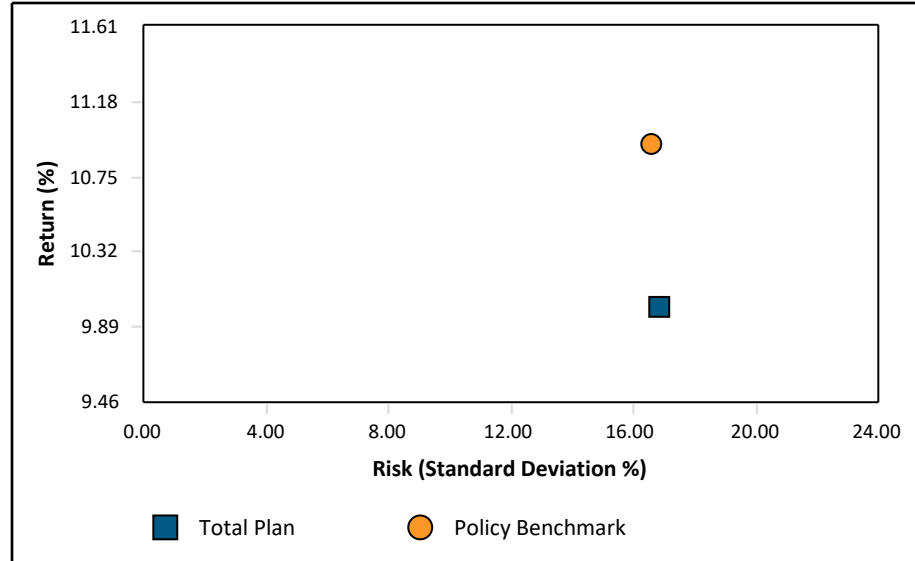
Quarter Ending March 31, 2021

	Market Value As of 01/01/2021	Net Flows	Return On Investment	Market Value As of 03/31/2021
<u>Short Term Liquidity</u>				
Key Bank Cash Portfolio	694,009	-499,040	-	194,969
Pooled Cash	-3,160,325	-1,056,083	-	-4,216,408
Total Short Term Liquidity	-2,466,316	-1,555,123	-	-4,021,439
<u>Fixed Income</u>				
JIC Core Bond Fund I	40,820,480	-	-1,635,648	39,184,832
Total Fixed Income	40,820,480	-	-1,635,648	39,184,832
<u>Domestic Equity</u>				
Mellon Large Cap Core	74,473,546	-	4,601,575	79,075,121
Mellon Smid Cap Core	48,640,021	-	5,336,256	53,976,277
Total Domestic Equity	123,113,567	-	9,937,831	133,051,398
<u>International Equity</u>				
Mellon EAFE Fund	23,341,844	-	832,677	24,174,521
Mellon Emerging Markets	25,402,453	-	583,220	25,985,673
Total International Equity	48,744,297	-	1,415,897	50,160,194
<u>Real Assets</u>				
UBS Trumbull Property Fund	14,275,581	-	-	14,275,581
Molpus SWF II	2,102,852	-	3,170	2,106,022
Total Real Assets	16,378,433	-	3,170	16,381,603
<u>Private Equity</u>				
Hamilton Lane II	99,118	-24,345	-	74,773
Hamilton Lane VII A	630,114	-33,801	-	596,313
Hamilton Lane VII B	400,244	-37,818	-	362,426
Total Private Equity	1,129,476	-95,964	-	1,033,512
Total Plan	227,719,937	-1,651,087	9,721,249	235,790,100

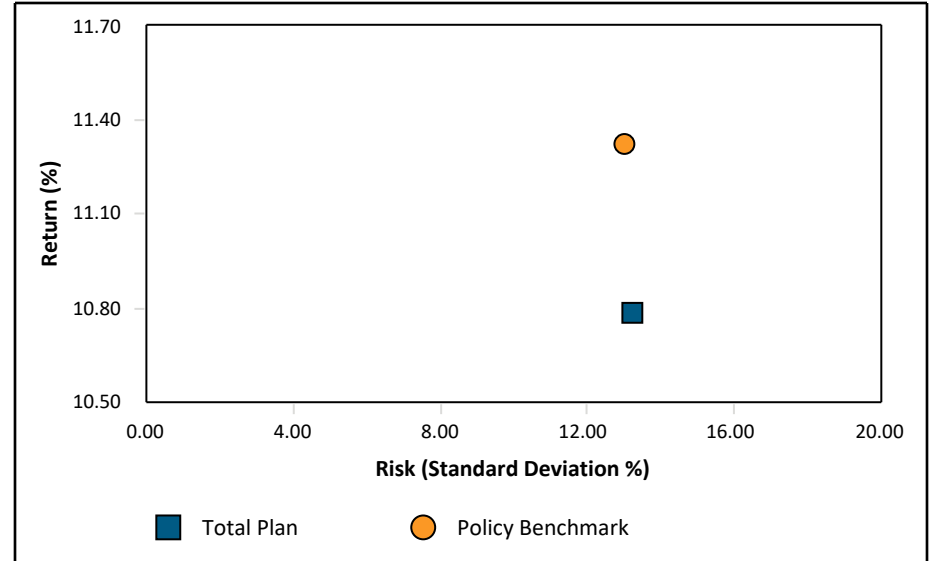
Risk Return Analysis

As of March 31, 2021

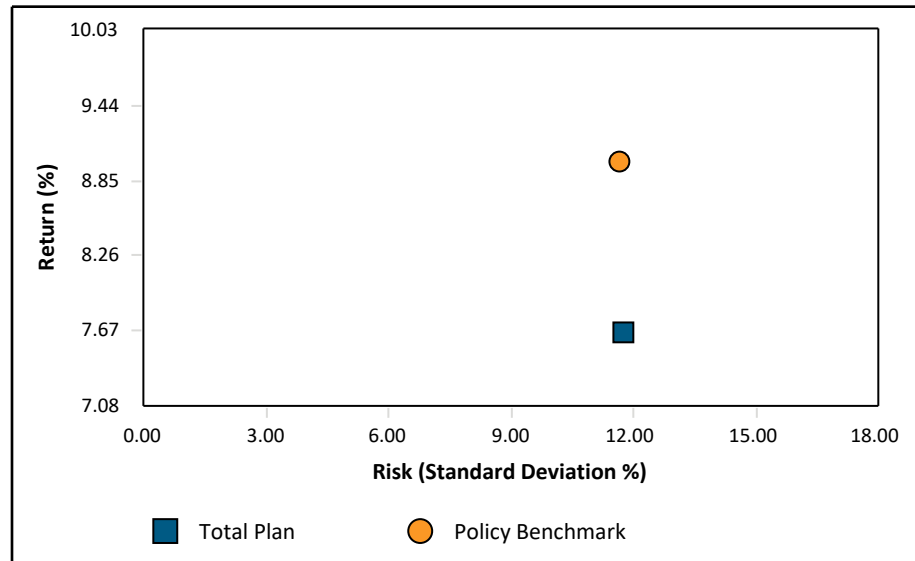
3 Year Risk and Return



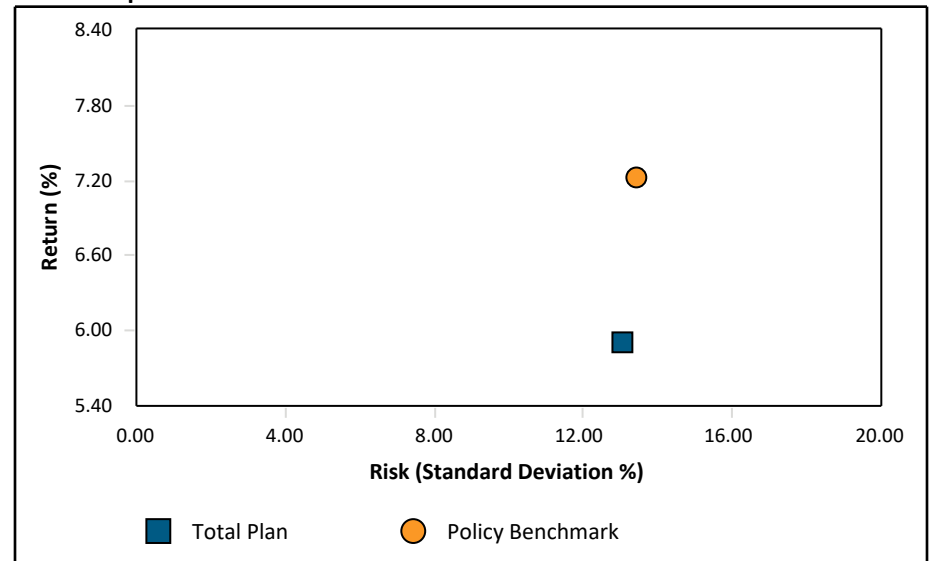
5 Year Risk and Return



7 Year Risk and Return



Since Inception Risk and Return



MPT Statistics

As of March 31, 2021

3 Year Historical MPT Statistics

	Return	Standard Deviation	Downside Risk	Sharpe Ratio	Information Ratio	Tracking Error	R-Squared	Beta	Alpha
Total Plan	10.00	16.86	11.27	0.56	-0.98	0.82	1.00	1.02	-1.00
Policy Benchmark	10.94	16.57	10.72	0.62	N/A	0.00	1.00	1.00	0.00
90 Day U.S. Treasury Bill	1.49	0.50	0.00	N/A	-0.62	16.84	0.30	-0.02	1.69

5 Year Historical MPT Statistics

	Return	Standard Deviation	Downside Risk	Sharpe Ratio	Information Ratio	Tracking Error	R-Squared	Beta	Alpha
Total Plan	10.79	13.22	8.73	0.75	-0.67	0.68	1.00	1.02	-0.65
Policy Benchmark	11.32	12.99	8.30	0.80	N/A	0.00	1.00	1.00	0.00
90 Day U.S. Treasury Bill	1.18	0.45	0.00	N/A	-0.80	13.21	0.22	-0.02	1.37

7 Year Historical MPT Statistics

	Return	Standard Deviation	Downside Risk	Sharpe Ratio	Information Ratio	Tracking Error	R-Squared	Beta	Alpha
Total Plan	7.66	11.76	7.67	0.61	-0.85	1.48	0.98	1.00	-1.27
Policy Benchmark	9.01	11.64	7.42	0.73	N/A	0.00	1.00	1.00	0.00
90 Day U.S. Treasury Bill	0.86	0.46	0.00	N/A	-0.73	11.78	0.08	-0.01	0.96

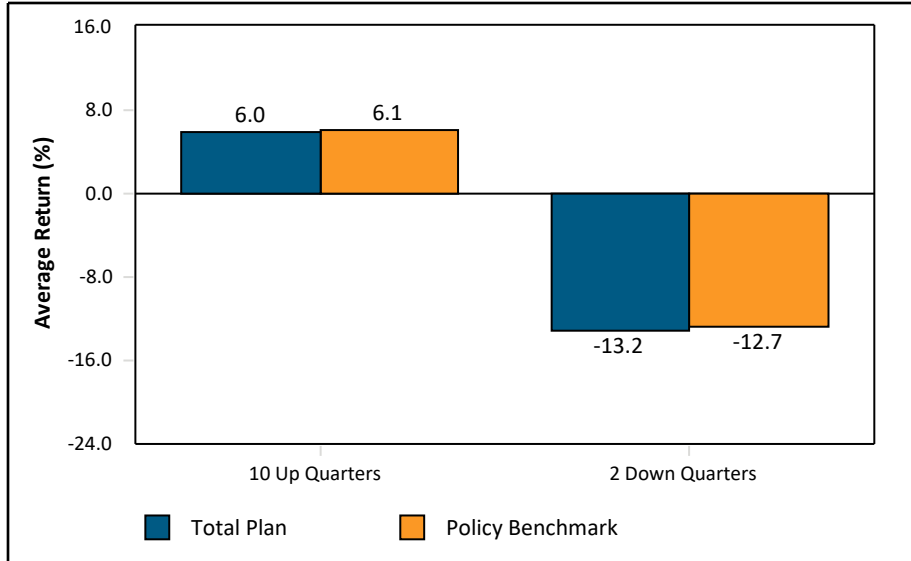
Since Inception Historical MPT Statistics

	Return	Standard Deviation	Downside Risk	Sharpe Ratio	Information Ratio	Tracking Error	R-Squared	Beta	Alpha	Inception Date
Total Plan	5.92	13.04	8.56	0.46	-0.43	2.99	0.95	0.95	-0.88	01/01/2008
Policy Benchmark	7.22	13.40	8.80	0.54	N/A	0.00	1.00	1.00	0.00	01/01/2008
90 Day U.S. Treasury Bill	0.65	0.45	0.00	N/A	-0.54	13.56	0.11	-0.01	0.74	01/01/2008

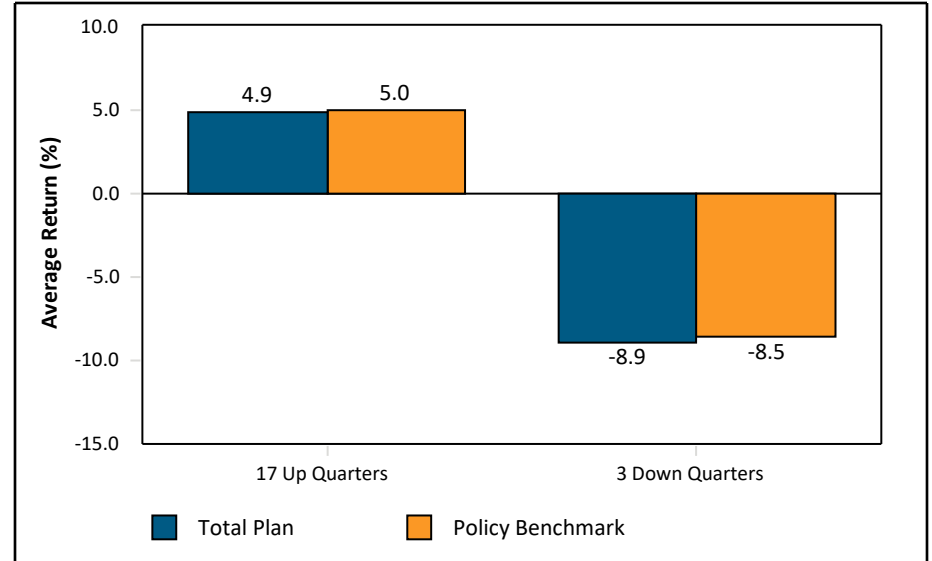
Market Capture

As of March 31, 2021

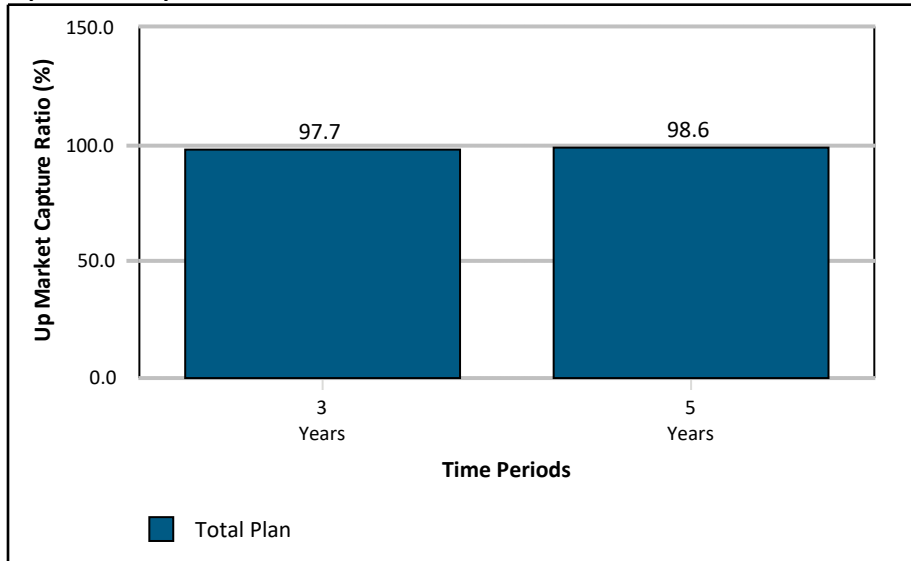
Up/Down Markets - 3 Years



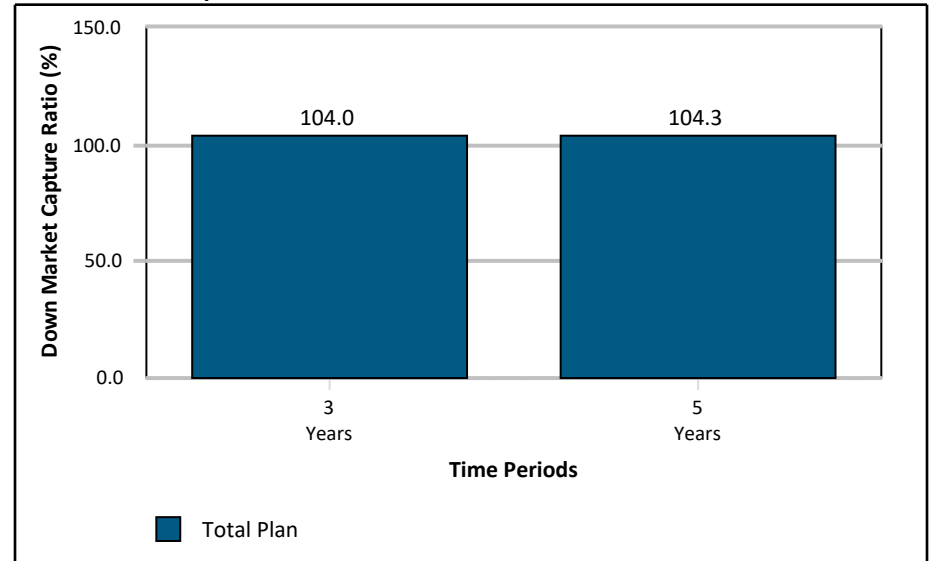
Up/Down Markets - 5 Years



Up Market Capture Ratio



Down Market Capture Ratio



Market Value & Flow Summary

Since Inception Ending March 31, 2021

Periods Ending	Beginning Market Value (\$)	Net Cash Flow (\$)	Gain/Loss (\$)	Ending Market Value (\$)	% Return
Dec-2007	-	-	-	126,047,968	N/A
Mar-2008	126,047,968	-314,583	-6,463,441	119,269,944	-5.4
Jun-2008	119,269,944	-34,506	-1,420,422	117,815,016	-1.0
Sep-2008	117,815,016	-1,639	-11,410,284	106,403,093	-9.9
Dec-2008	106,403,093	51,005	-18,744,117	87,709,981	-17.5
Mar-2009	87,709,981	-349,107	-6,198,914	81,161,960	-7.2
Jun-2009	81,161,960	-1,030,581	13,436,076	93,567,455	16.4
Sep-2009	93,567,455	619,883	14,098,425	108,285,763	14.9
Dec-2009	108,285,763	-115,779	3,547,706	111,717,690	3.1
Mar-2010	111,717,690	13,402	3,833,282	115,564,374	3.5
Jun-2010	115,564,374	739,868	-4,029,798	112,274,444	-3.5
Sep-2010	112,274,444	-780,144	10,497,177	121,991,477	9.3
Dec-2010	121,991,477	-439,159	6,066,208	127,618,526	4.9
Mar-2011	127,618,526	613,016	4,137,991	132,369,533	3.2
Jun-2011	132,369,533	-168,861	2,408,901	134,609,573	1.6
Sep-2011	134,609,573	-703,596	-9,573,123	124,332,854	-7.2
Dec-2011	124,332,854	-780,577	5,208,308	128,760,585	4.0
Mar-2012	128,760,585	1,032,061	8,131,545	137,924,191	6.3
Jun-2012	137,924,191	-740,359	-1,285,699	135,898,133	-1.0
Sep-2012	135,898,133	-233,704	6,403,068	142,067,497	4.7
Dec-2012	142,067,497	-127,106	3,395,681	145,336,072	2.2
Mar-2013	145,336,072	-1,537,090	4,572,279	148,371,261	3.1
Jun-2013	148,371,261	32,413	-3,404,263	144,999,411	-2.4
Sep-2013	144,999,411	-530,383	5,332,874	149,801,902	3.5
Dec-2013	149,801,902	-1,944,776	5,175,271	153,032,397	3.5
Mar-2014	153,032,397	-654,840	3,766,110	156,143,667	2.3
Jun-2014	156,143,667	2,041,778	6,299,031	164,484,476	3.8
Sep-2014	164,484,476	-1,324,196	-3,599,965	159,560,315	-2.2
Dec-2014	159,560,315	-1,137,601	398,924	158,821,638	0.1
Mar-2015	158,821,638	-1,160,759	2,998,155	160,659,034	1.9
Jun-2015	160,659,034	585,359	139,382	161,383,775	-0.2

Market Value & Flow Summary

Since Inception Ending March 31, 2021

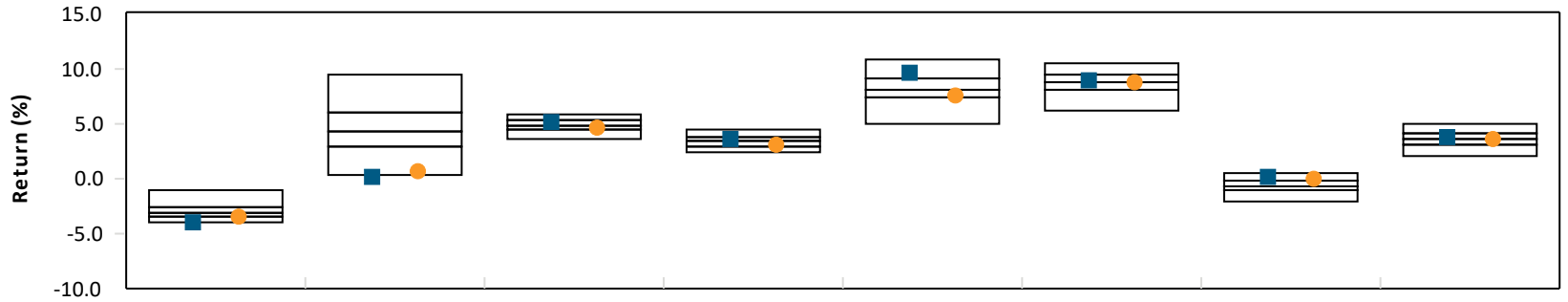
Periods Ending	Beginning Market Value (\$)	Net Cash Flow (\$)	Gain/Loss (\$)	Ending Market Value (\$)	% Return
Sep-2015	161,383,775	-1,040,311	-8,081,581	152,261,883	-5.0
Dec-2015	152,261,883	-1,742,184	2,019,763	152,539,462	1.2
Mar-2016	152,539,462	-1,730,879	1,523,499	152,332,082	1.0
Jun-2016	152,332,082	266,995	2,811,606	155,410,683	1.7
Sep-2016	155,410,683	1,983,503	6,426,058	163,820,244	4.1
Dec-2016	163,820,244	-54,598	2,645,722	166,411,368	1.6
Mar-2017	166,411,368	-5,459	7,877,936	174,283,845	4.7
Jun-2017	174,283,845	-3,747,517	5,154,535	175,690,863	3.0
Sep-2017	175,690,863	-46,149	6,899,516	182,544,230	3.9
Dec-2017	182,544,230	-47,491	8,185,226	190,681,965	4.4
Mar-2018	190,681,965	-48,887	-525,152	190,107,926	-0.3
Jun-2018	190,107,926	-1,209,164	2,581,836	191,480,598	1.3
Sep-2018	191,480,598	-3,051,362	6,401,105	194,830,341	3.4
Dec-2018	194,830,341	-47,255	-17,862,223	176,920,863	-9.2
Mar-2019	176,920,863	-46,671	16,444,026	193,318,218	9.3
Jun-2019	193,318,218	-4,049,872	4,895,026	194,163,372	2.5
Sep-2019	194,163,372	-48,026	300,197	194,415,543	0.1
Dec-2019	194,415,543	-39,368	12,163,384	206,539,559	6.2
Mar-2020	206,539,559	-557,974	-35,504,673	170,476,912	-17.2
Jun-2020	170,476,912	-511,765	24,700,354	194,665,501	14.5
Sep-2020	194,665,501	-3,617,501	10,623,672	201,671,672	5.5
Dec-2020	201,671,672	192,248	25,856,017	227,719,937	12.7
Mar-2021	227,719,937	-1,651,087	9,721,249	235,790,100	4.3

Manager Evaluation

Johnson Institutional Core Bond I

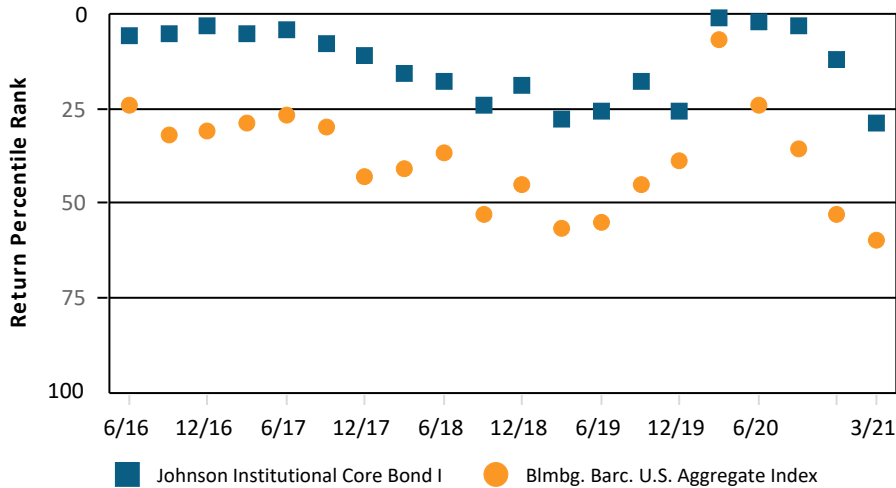
As of March 31, 2021

Peer Group Analysis vs. IM U.S. Broad Market Core Fixed Income (MF)

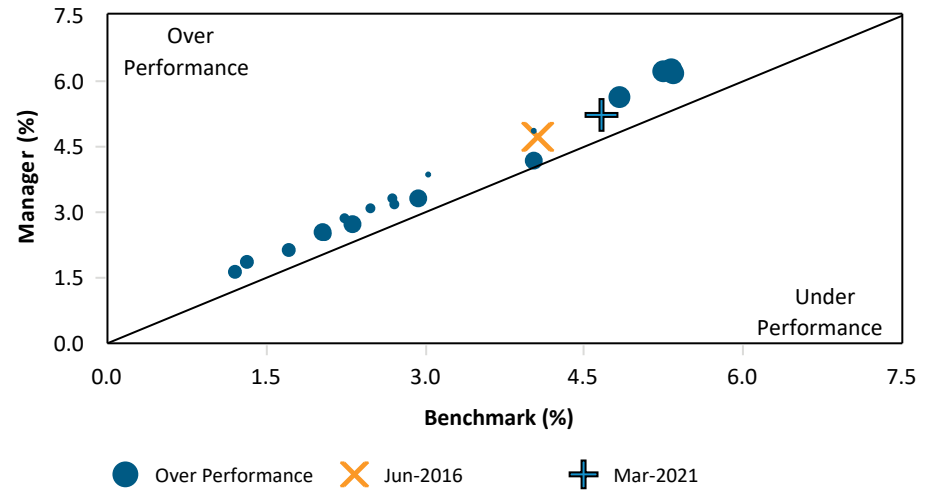


	QTR	1 Year	3 Years	5 Years	2020	2019	2018	2017
■ Johnson Institutional Core Bond I	-4.0 (96)	0.2 (98)	5.2 (29)	3.6 (34)	9.7 (14)	8.9 (46)	0.1 (13)	3.7 (46)
● Blmbg. Barc. U.S. Aggregate Index	-3.4 (74)	0.7 (91)	4.7 (60)	3.1 (67)	7.5 (72)	8.7 (53)	0.0 (18)	3.5 (54)
5th Percentile	-1.1	9.5	5.9	4.5	10.9	10.6	0.6	5.0
1st Quartile	-2.7	6.0	5.3	3.8	9.1	9.5	-0.2	4.1
Median	-3.0	4.4	4.8	3.4	8.2	8.8	-0.6	3.6
3rd Quartile	-3.4	2.8	4.4	3.0	7.4	8.1	-1.1	3.1
95th Percentile	-4.0	0.4	3.6	2.4	4.9	6.2	-2.1	2.1

3 Year Rolling Percentile Ranking vs. IM U.S. Broad Market Core Fixed Income (MF)



3 Year Rolling Under/Over Performance vs. Blmbg. Barc. U.S. Aggregate Index



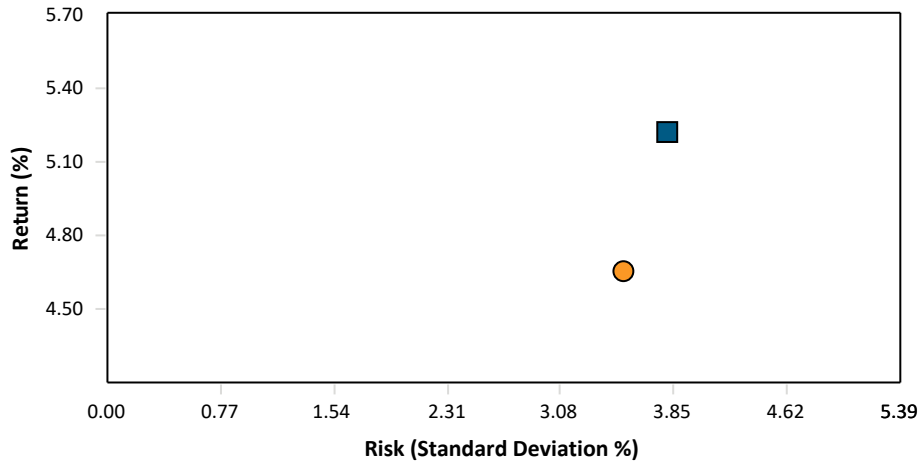
Mutual fund data sourced from Lipper Analytical Services.

Manager Evaluation

Johnson Institutional Core Bond I

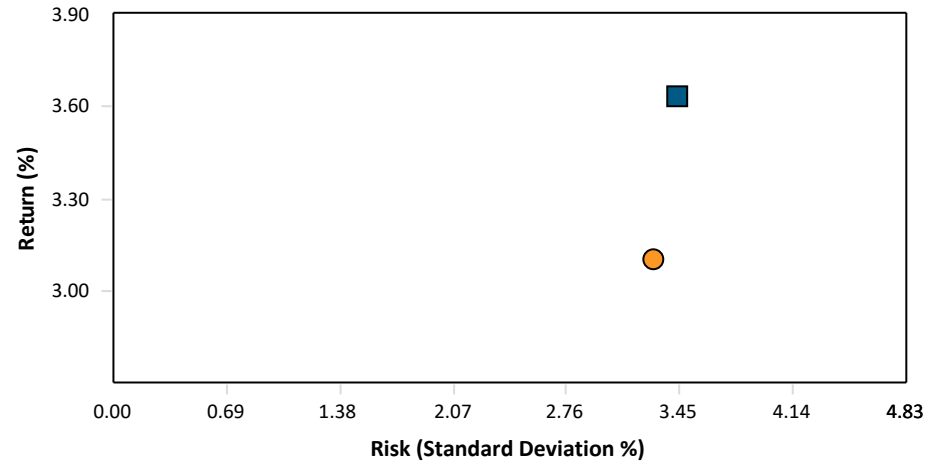
As of March 31, 2021

3 Year Risk and Return



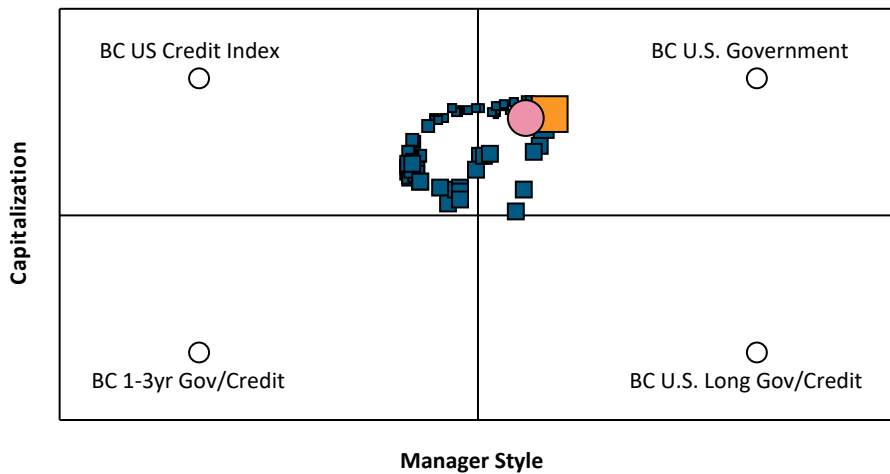
- Johnson Institutional Core Bond I
- Blmbg. Barc. U.S. Aggregate Index

5 Year Risk and Return



- Johnson Institutional Core Bond I
- Blmbg. Barc. U.S. Aggregate Index

Style Map - 3 Years



- Style History
- Mar-2021
- Average Style Exposure

MPT Statistics vs. Blmbg. Barc. U.S. Aggregate Index

	3 Years	5 Years
Return	5.2	3.6
Standard Deviation	3.8	3.4
vs. Blmbg. Barc. U.S. Aggregate Index		
Alpha	0.3	0.5
Beta	1.1	1.0
R-Squared	0.9	1.0
Consistency	50.0	55.0
Up Market Capture	104.7	104.9
Down Market Capture	92.4	92.2
vs. 90 Day U.S. Treasury Bill		
Sharpe Ratio	1.0	0.7

Mutual fund data sourced from Lipper Analytical Services.

Manager Evaluation

Johnson Institutional Core Bond I

Report Date March 31, 2021

Mutual Fund Information

Fund Name :	Johnson Mutual Funds Trust: Johnson Institutional Core Bond Fund; Class I Shares	Portfolio Assets :	\$464 Million
Fund Family :	Johnson Investment Counsel Inc	Fund Assets :	\$463 Million
Ticker :	JIBFX	Portfolio Manager :	Michael Leisring
Inception Date :	08/31/2000	PM Tenure :	2003
Portfolio Turnover :	29%		

Fund Investment Policy

The Fund seeks a high level of income by investing at least 65% of its assets in investment grade fixed income securities with average maturities between 5 and 7 years.

Asset Allocation as of 03/31/21

Not Enough Data.

Top 10 Securities as of 03/31/21

Not Enough Data.

Fixed Income Characteristics as of 03/31/21

Not Enough Data.

Maturity Distribution as of 03/31/21

Not Enough Data.

Quality Allocation as of 03/31/21

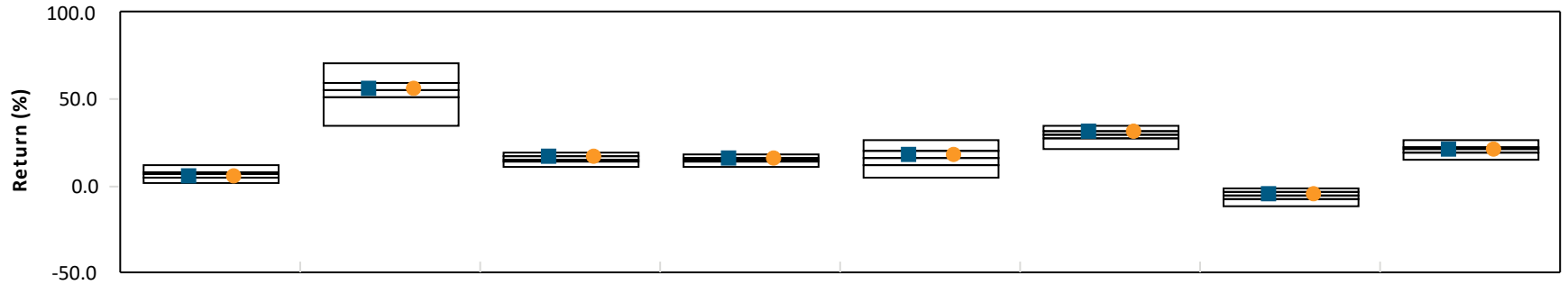
Not Enough Data.

Manager Evaluation

Mellon Large Cap Core

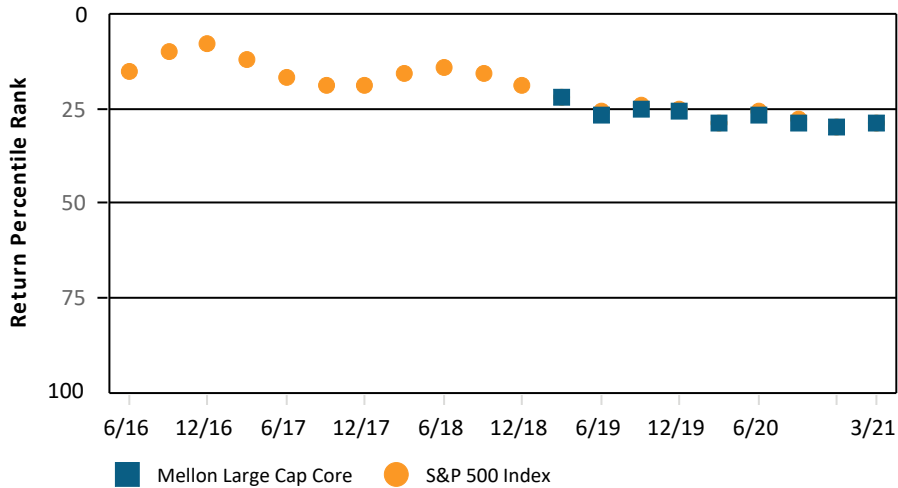
As of March 31, 2021

Peer Group Analysis vs. IM U.S. Large Cap Core Equity (MF)

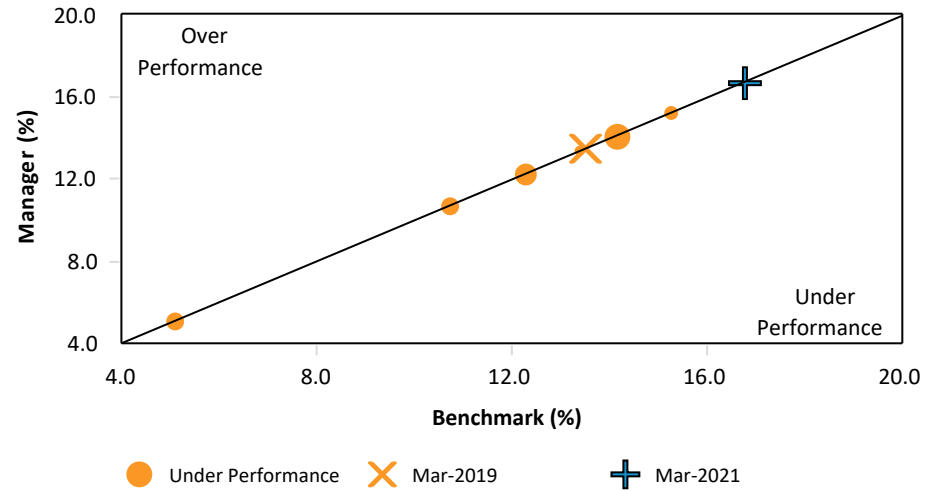


	QTR	1 Year	3 Years	5 Years	2020	2019	2018	2017
■ Mellon Large Cap Core	6.2 (57)	56.2 (45)	16.7 (29)	16.2 (24)	18.3 (41)	31.4 (31)	-4.4 (30)	21.8 (38)
● S&P 500 Index	6.2 (57)	56.4 (44)	16.8 (29)	16.3 (23)	18.4 (40)	31.5 (30)	-4.4 (30)	21.8 (38)
5th Percentile	11.8	71.0	18.9	17.8	26.6	35.2	-1.4	26.2
1st Quartile	8.1	60.1	17.0	16.2	20.7	31.8	-3.7	22.8
Median	6.4	55.3	15.3	15.2	16.0	29.7	-5.6	21.2
3rd Quartile	5.1	51.1	13.6	13.9	12.3	27.1	-7.2	19.3
95th Percentile	1.7	35.2	10.9	11.4	4.5	21.5	-12.0	15.5

3 Year Rolling Percentile Ranking vs. IM U.S. Large Cap Core Equity (MF)



3 Year Rolling Under/Over Performance vs. S&P 500 Index



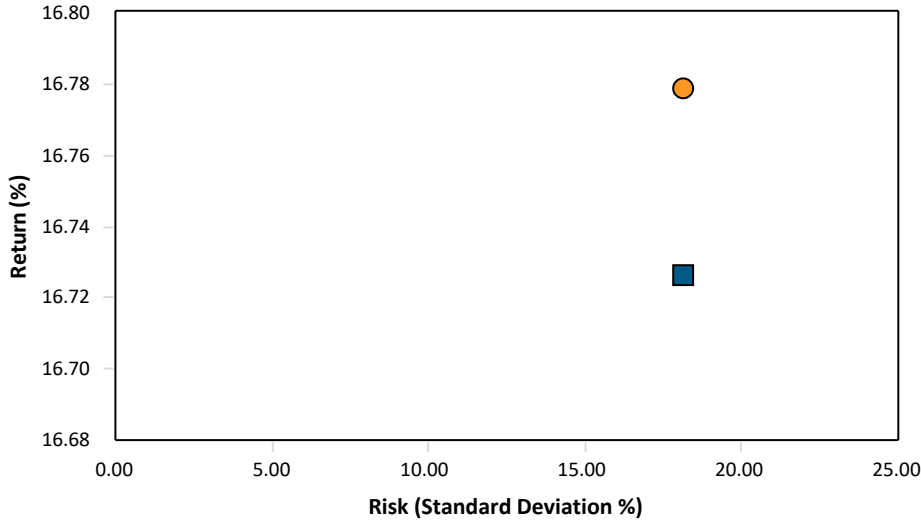
Mutual fund data sourced from Lipper Analytical Services.

Manager Evaluation

Mellon Large Cap Core

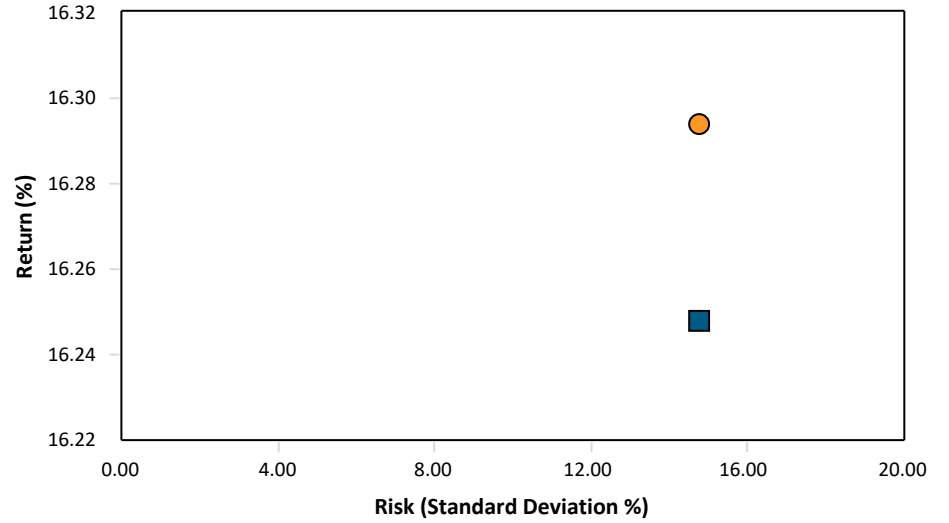
As of March 31, 2021

3 Year Risk and Return



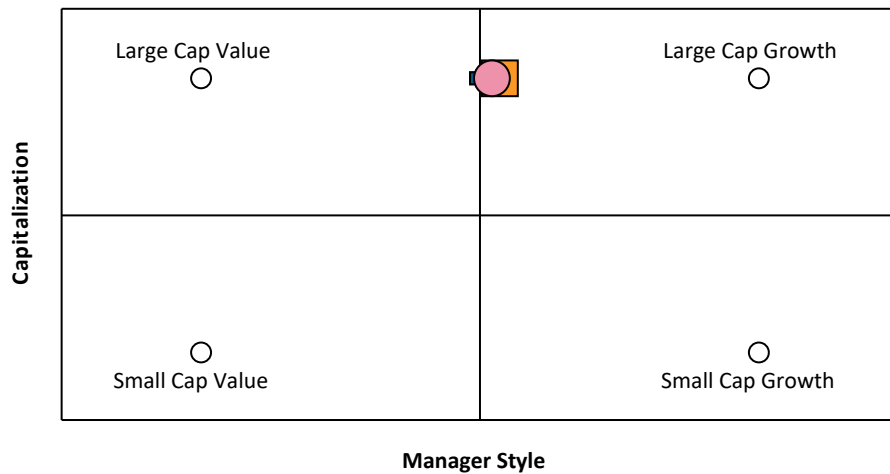
■ Mellon Large Cap Core ● S&P 500 Index

5 Year Risk and Return



■ Mellon Large Cap Core ● S&P 500 Index

Style Map - 3 Years



■ Style History ■ Mar-2021 ● Average Style Exposure

MPT Statistics vs. S&P 500 Index

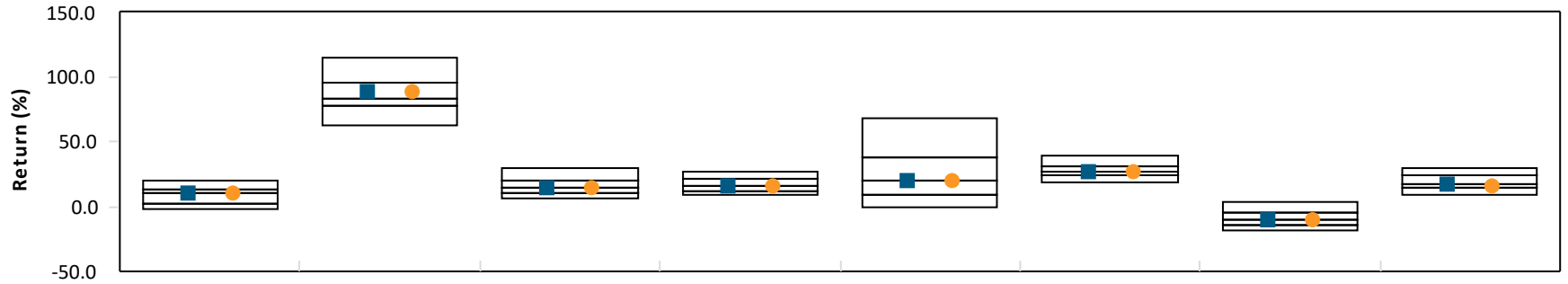
	3 Years	5 Years
Return	16.7	16.2
Standard Deviation	18.1	14.8
vs. S&P 500 Index		
Alpha	0.0	0.0
Beta	1.0	1.0
R-Squared	1.0	1.0
Consistency	44.4	38.3
Up Market Capture	99.9	99.9
Down Market Capture	100.0	100.0
vs. 90 Day U.S. Treasury Bill		
Sharpe Ratio	0.9	1.0

Mutual fund data sourced from Lipper Analytical Services.

Manager Evaluation

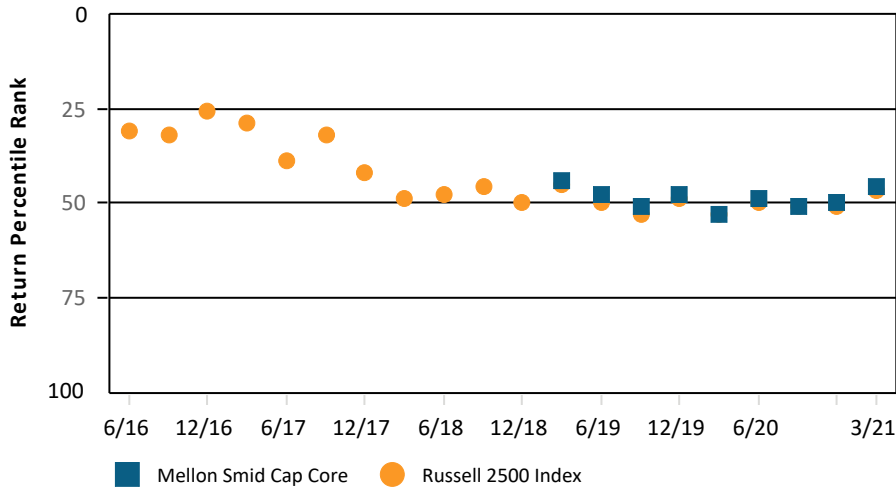
Mellon Smid Cap Core
As of March 31, 2021

Peer Group Analysis vs. IM U.S. SMID Cap Equity (MF)

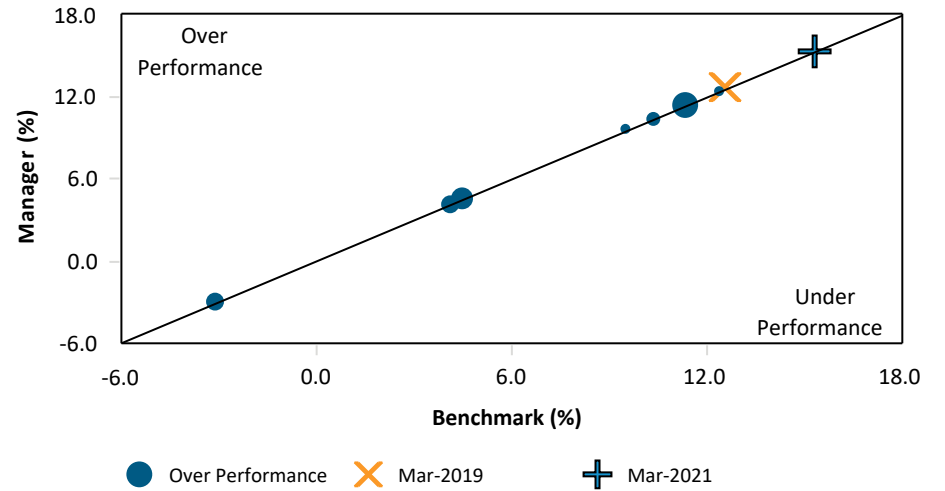


	QTR	1 Year	3 Years	5 Years	2020	2019	2018	2017
■ Mellon Smid Cap Core	11.0 (48)	89.4 (35)	15.4 (46)	16.1 (47)	20.0 (51)	27.9 (46)	-9.9 (50)	17.0 (55)
● Russell 2500 Index	10.9 (48)	89.4 (35)	15.3 (47)	15.9 (48)	20.0 (51)	27.8 (48)	-10.0 (50)	16.8 (56)
5th Percentile	20.5	116.0	30.5	27.4	69.1	40.2	4.2	30.4
1st Quartile	13.4	96.4	20.4	21.1	38.4	30.9	-5.0	25.1
Median	10.2	83.3	14.6	15.5	20.3	27.6	-10.2	17.9
3rd Quartile	3.0	77.7	10.8	12.2	9.5	24.6	-14.2	14.4
95th Percentile	-1.1	63.6	6.7	9.2	0.1	18.5	-18.6	9.8

3 Year Rolling Percentile Ranking vs. IM U.S. SMID Cap Equity (MF)



3 Year Rolling Under/Over Performance vs. Russell 2500 Index

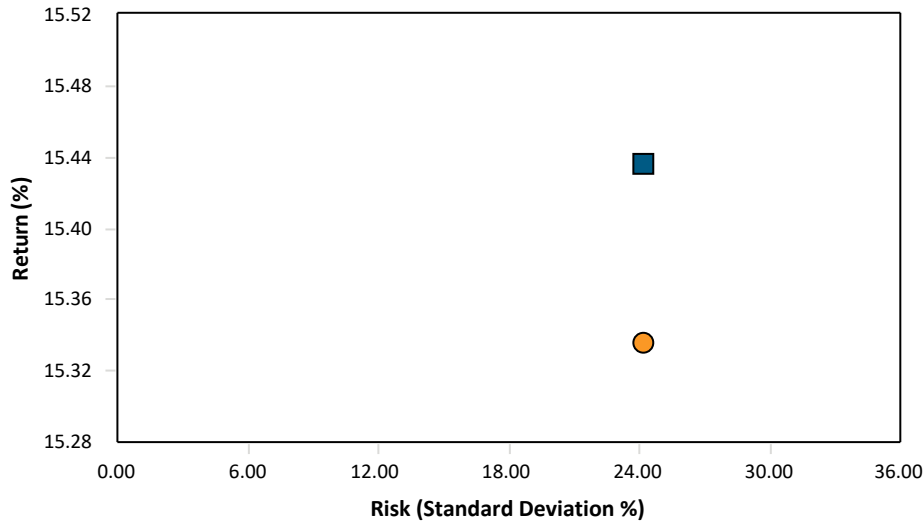


Mutual fund data sourced from Lipper Analytical Services.

Manager Evaluation

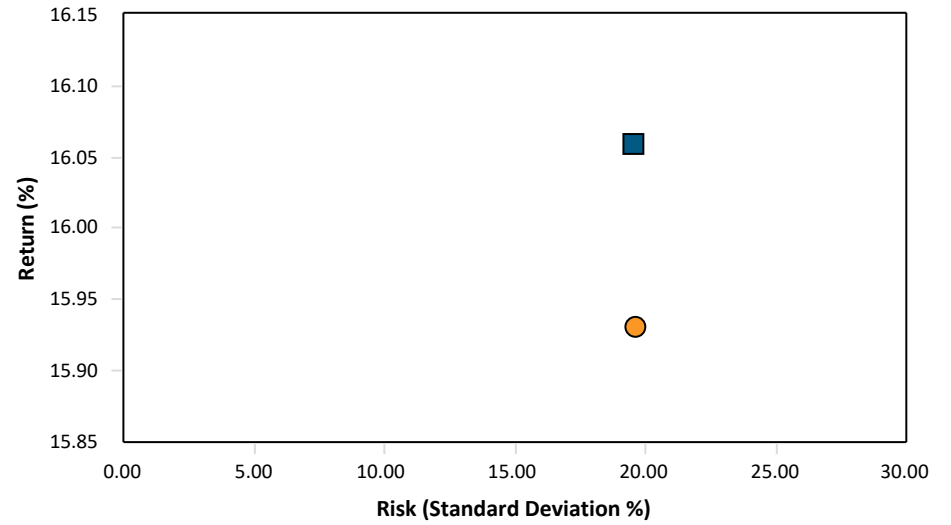
Mellon Smid Cap Core
As of March 31, 2021

3 Year Risk and Return



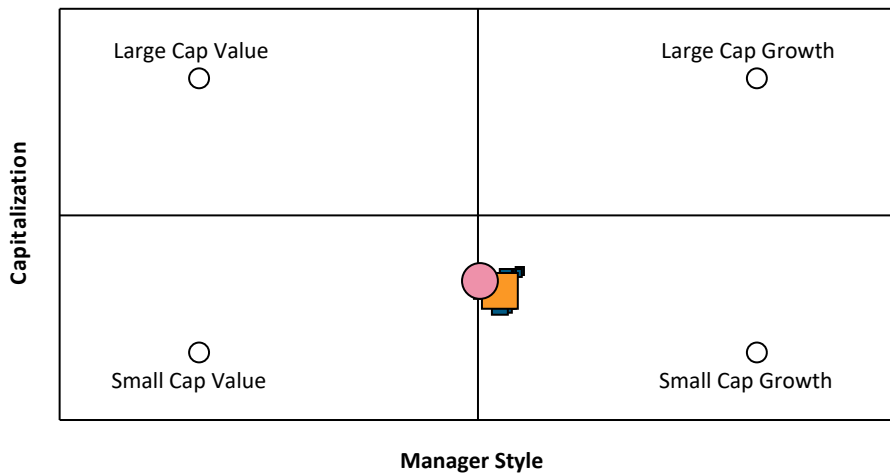
■ Mellon Smid Cap Core ● Russell 2500 Index

5 Year Risk and Return



■ Mellon Smid Cap Core ● Russell 2500 Index

Style Map - 3 Years



■ Style History ■ Mar-2021 ● Average Style Exposure

MPT Statistics vs. Russell 2500 Index

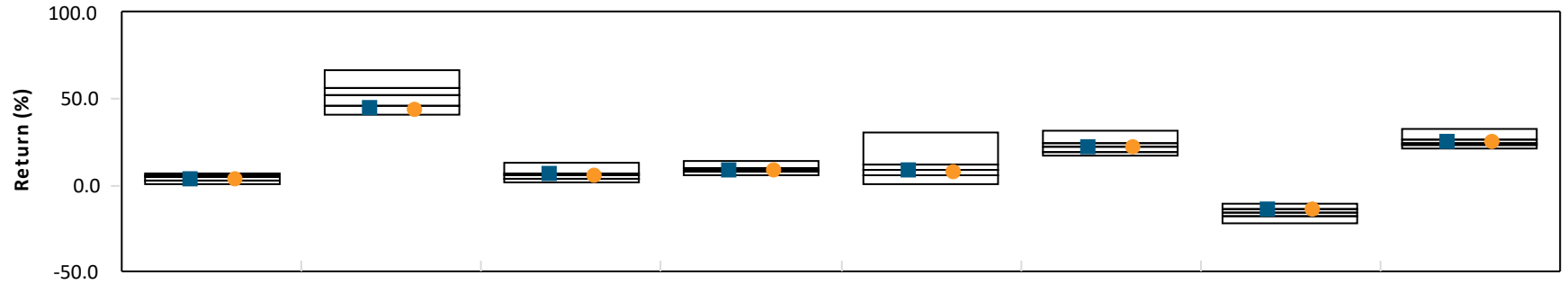
	3 Years	5 Years
Return	15.4	16.1
Standard Deviation	24.2	19.6
vs. Russell 2500 Index		
Alpha	0.1	0.1
Beta	1.0	1.0
R-Squared	1.0	1.0
Consistency	63.9	73.3
Up Market Capture	100.1	100.2
Down Market Capture	99.8	99.7
vs. 90 Day U.S. Treasury Bill		
Sharpe Ratio	0.7	0.8

Mutual fund data sourced from Lipper Analytical Services.

Manager Evaluation

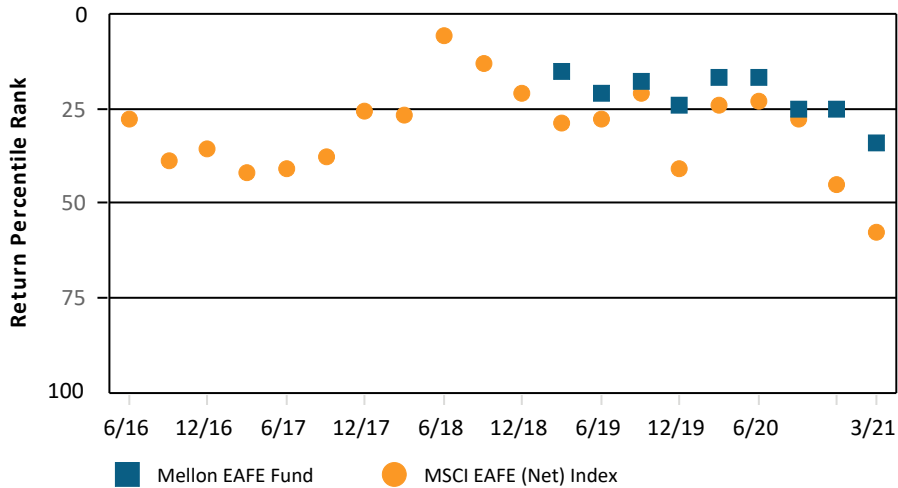
Mellon EAFE Fund
As of March 31, 2021

Peer Group Analysis vs. IM International Large Cap Core Equity (MF)

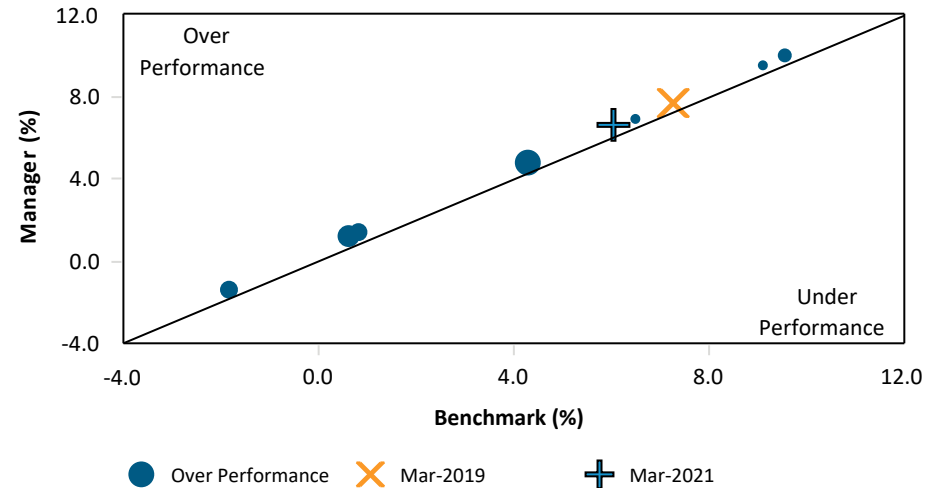


	QTR	1 Year	3 Years	5 Years	2020	2019	2018	2017
■ Mellon EAFE Fund	3.6 (65)	45.6 (76)	6.6 (34)	9.4 (35)	8.6 (48)	22.3 (49)	-13.3 (17)	25.7 (33)
● MSCI EAFE (Net) Index	3.5 (66)	44.6 (77)	6.0 (58)	8.8 (45)	7.8 (55)	22.0 (52)	-13.8 (25)	25.0 (38)
5th Percentile	6.8	67.0	13.1	14.2	31.2	31.9	-11.1	32.9
1st Quartile	6.3	56.6	6.9	9.7	12.2	25.0	-13.9	26.7
Median	4.4	52.9	6.3	8.6	8.5	22.1	-15.7	24.4
3rd Quartile	2.7	46.0	4.3	7.5	5.4	19.0	-17.9	23.0
95th Percentile	0.3	40.7	1.9	5.4	0.6	17.5	-21.7	21.4

3 Year Rolling Percentile Ranking vs. IM International Large Cap Core Equity (MF)



3 Year Rolling Under/Over Performance vs. MSCI EAFE (Net) Index

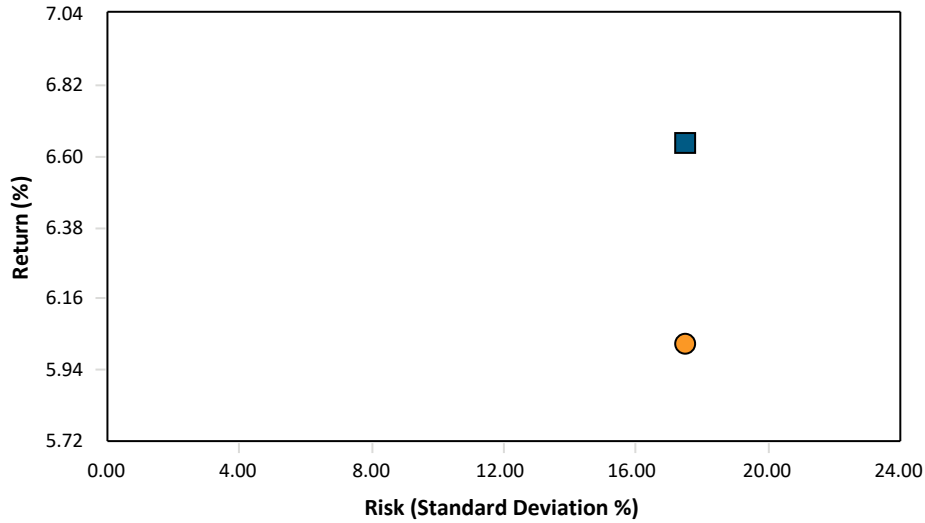


Mutual fund data sourced from Lipper Analytical Services.

Manager Evaluation

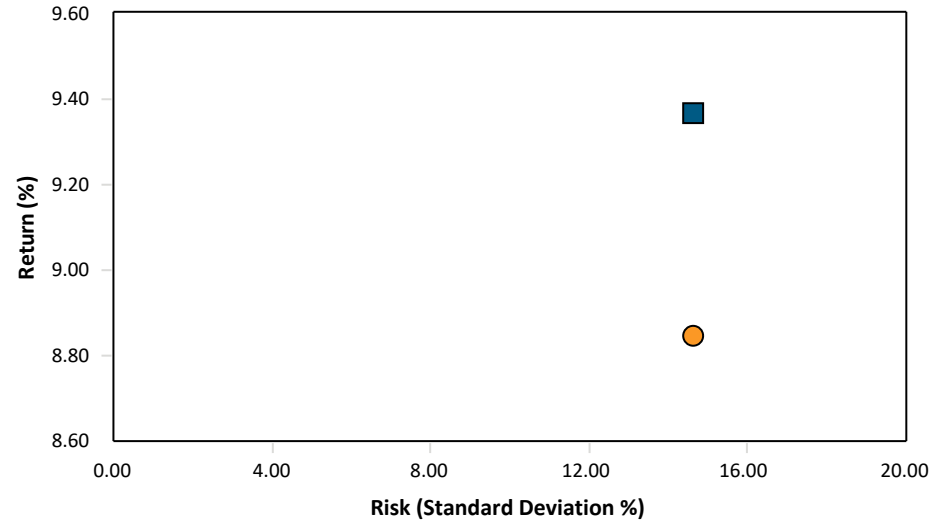
Mellon EAFE Fund
As of March 31, 2021

3 Year Risk and Return



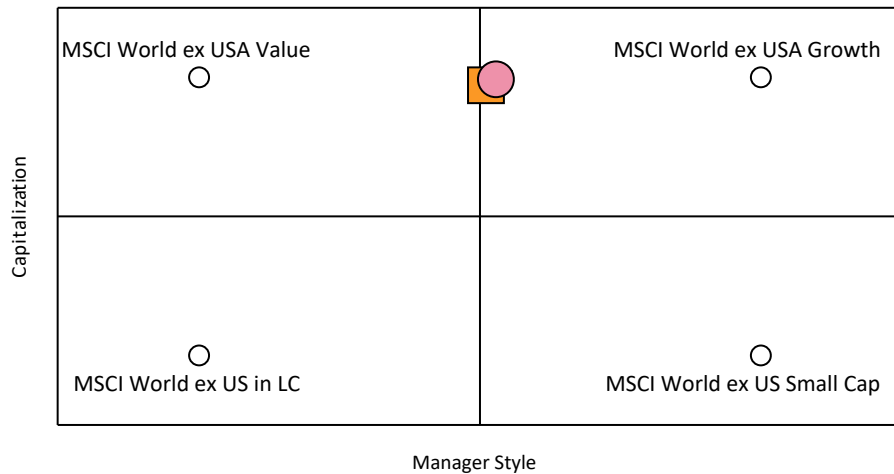
■ Mellon EAFE Fund ● MSCI EAFE (Net) Index

5 Year Risk and Return



■ Mellon EAFE Fund ● MSCI EAFE (Net) Index

Style Map - 3 Years



■ Style History ■ Mar-2021 ● Average Style Exposure

MPT Statistics vs. MSCI EAFE (Net) Index

	3 Years	5 Years
Return	6.6	9.4
Standard Deviation	17.5	14.6
vs. MSCI EAFE (Net) Index		
Alpha	0.6	0.5
Beta	1.0	1.0
R-Squared	1.0	1.0
Consistency	80.6	76.7
Up Market Capture	101.4	101.4
Down Market Capture	98.9	99.1
vs. 90 Day U.S. Treasury Bill		
Sharpe Ratio	0.4	0.6

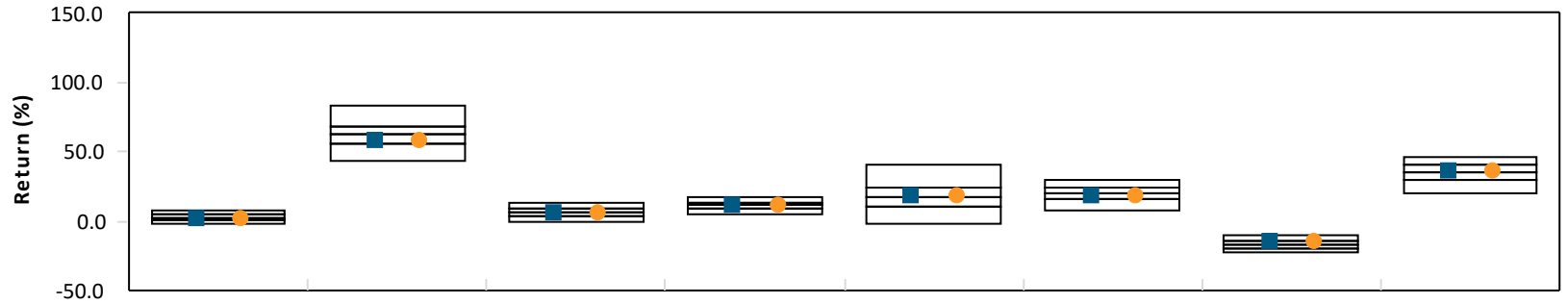
Mutual fund data sourced from Lipper Analytical Services.

Manager Evaluation

Mellon Emerging Markets

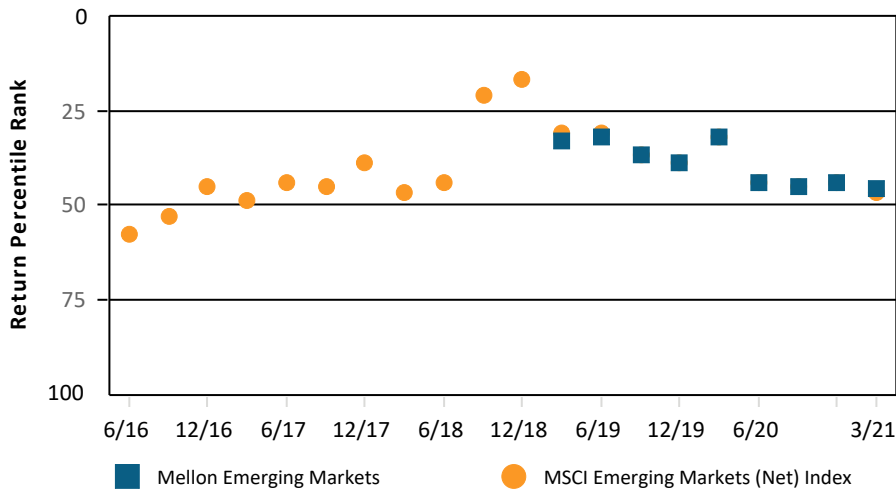
As of March 31, 2021

Peer Group Analysis vs. IM Emerging Markets Equity (MF)

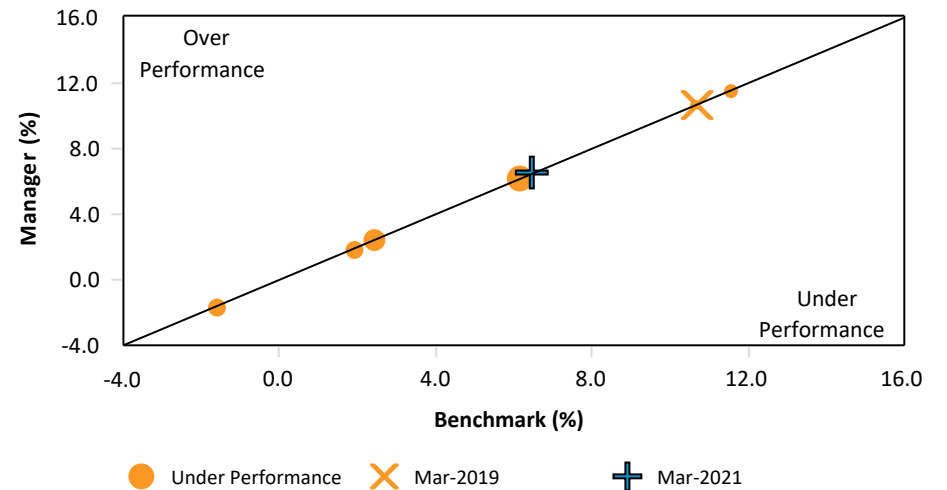


	QTR	1 Year	3 Years	5 Years	2020	2019	2018	2017
■ Mellon Emerging Markets	2.3 (57)	58.4 (66)	6.5 (46)	12.0 (45)	18.3 (46)	18.4 (62)	-14.6 (30)	37.2 (43)
● MSCI Emerging Markets (Net) Index	2.3 (57)	58.4 (66)	6.5 (47)	12.1 (45)	18.3 (46)	18.4 (62)	-14.6 (30)	37.3 (42)
5th Percentile	7.7	84.3	13.2	17.0	40.7	30.6	-9.7	46.8
1st Quartile	4.7	69.2	9.2	14.0	24.9	24.5	-14.0	40.4
Median	2.9	63.0	6.2	11.7	17.5	20.1	-16.4	35.4
3rd Quartile	1.0	55.7	4.1	9.9	10.8	16.3	-19.0	29.4
95th Percentile	-1.9	44.4	-0.7	5.3	-1.9	8.1	-22.6	20.4

3 Year Rolling Percentile Ranking vs. IM Emerging Markets Equity (MF)



3 Year Rolling Under/Over Performance vs. MSCI Emerging Markets (Net) Index



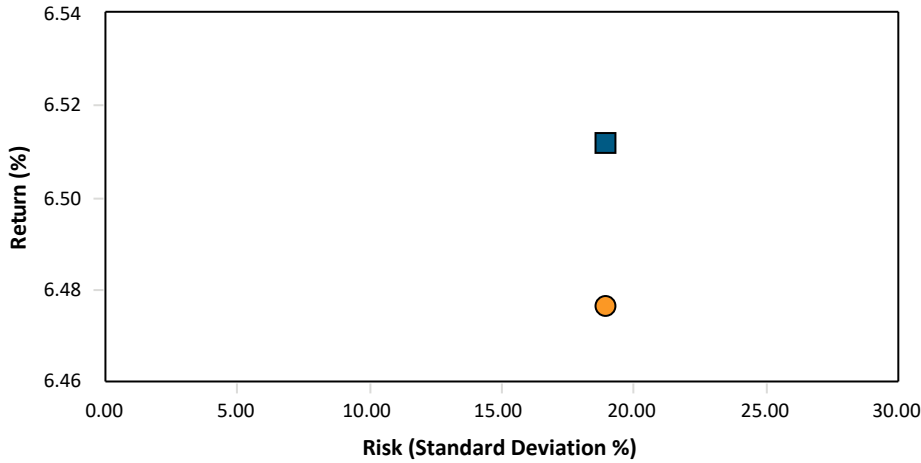
Mutual fund data sourced from Lipper Analytical Services.

Manager Evaluation

Mellon Emerging Markets

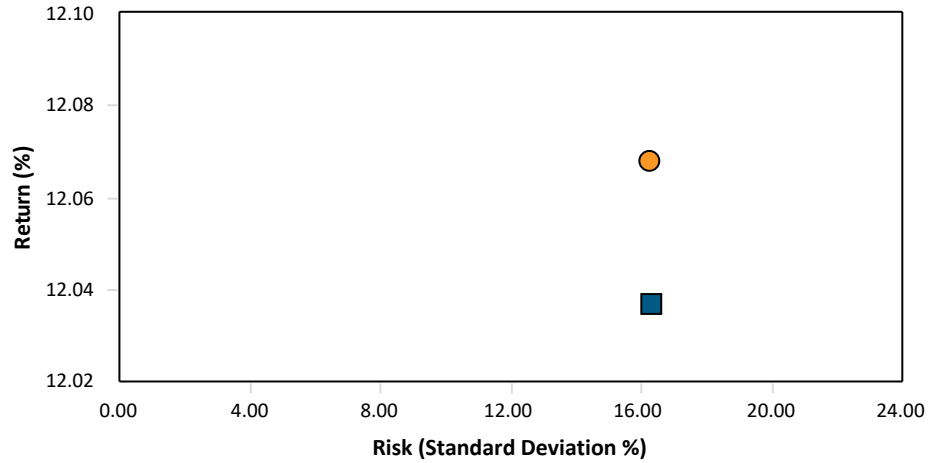
As of March 31, 2021

3 Year Risk and Return



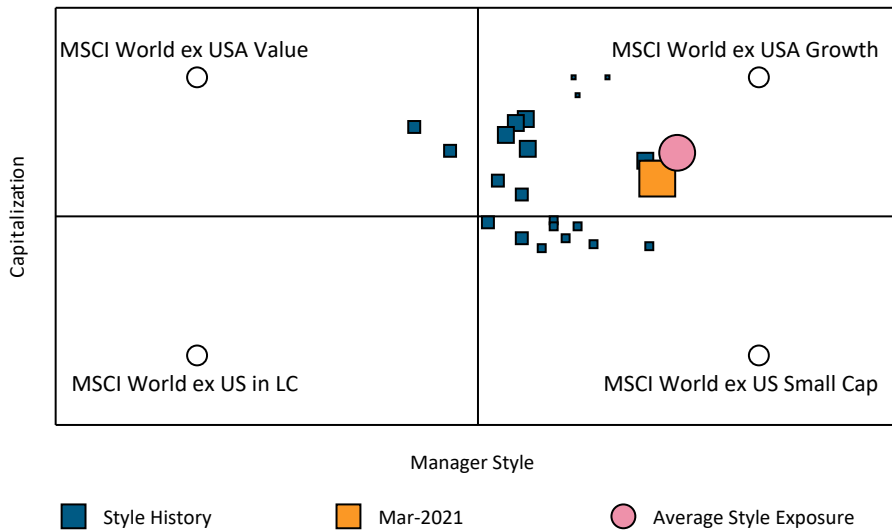
- Mellon Emerging Markets
- MSCI Emerging Markets (Net) Index

5 Year Risk and Return



- Mellon Emerging Markets
- MSCI Emerging Markets (Net) Index

Style Map - 3 Years



MPT Statistics vs. MSCI Emerging Markets (Net) Index

	3 Years	5 Years
Return	6.5	12.0
Standard Deviation	18.9	16.3
vs. MSCI Emerging Markets (Net) Index		
Alpha	0.0	0.0
Beta	1.0	1.0
R-Squared	1.0	1.0
Consistency	50.0	43.3
Up Market Capture	100.1	100.0
Down Market Capture	99.9	100.2
vs. 90 Day U.S. Treasury Bill		
Sharpe Ratio	0.3	0.7

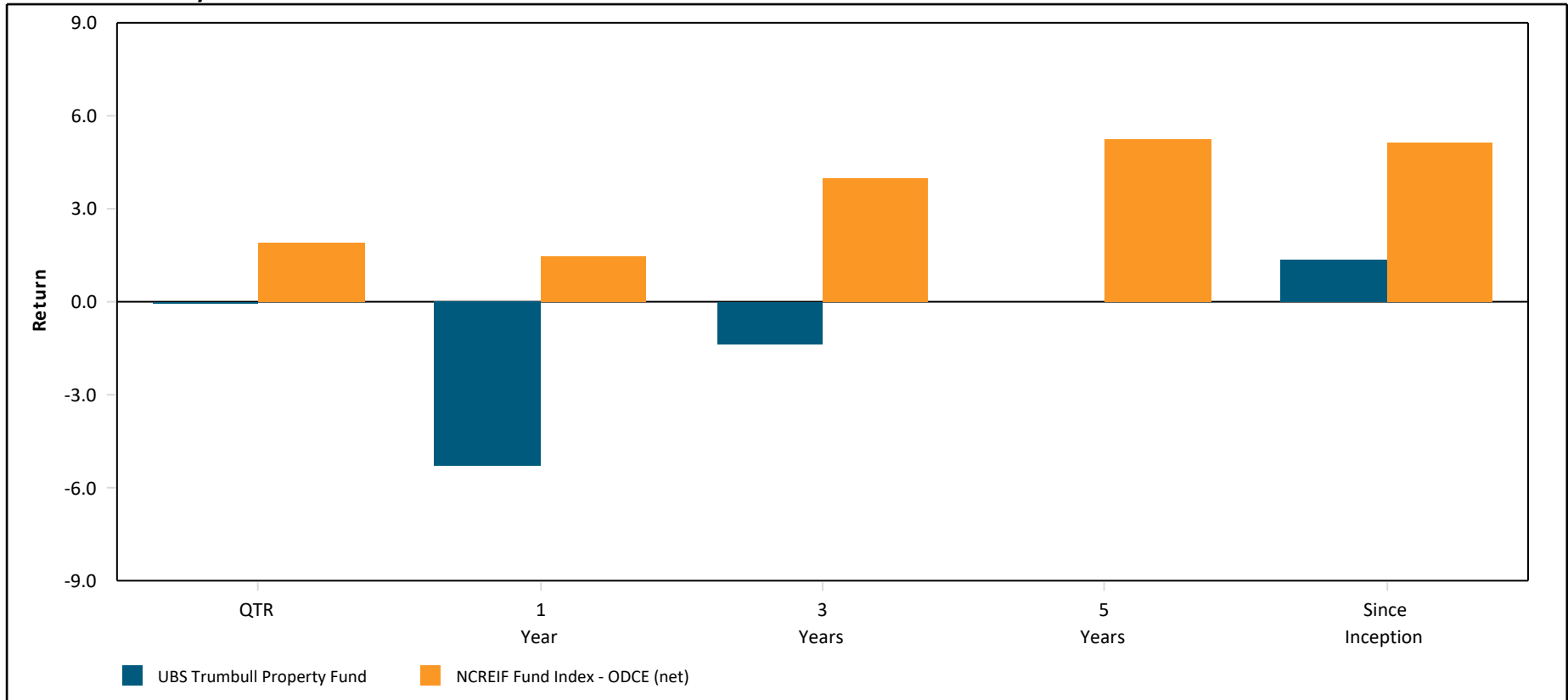
Mutual fund data sourced from Lipper Analytical Services.

Manager Evaluation

UBS Trumbull Property Fund

As of March 31, 2021

Performance Analysis



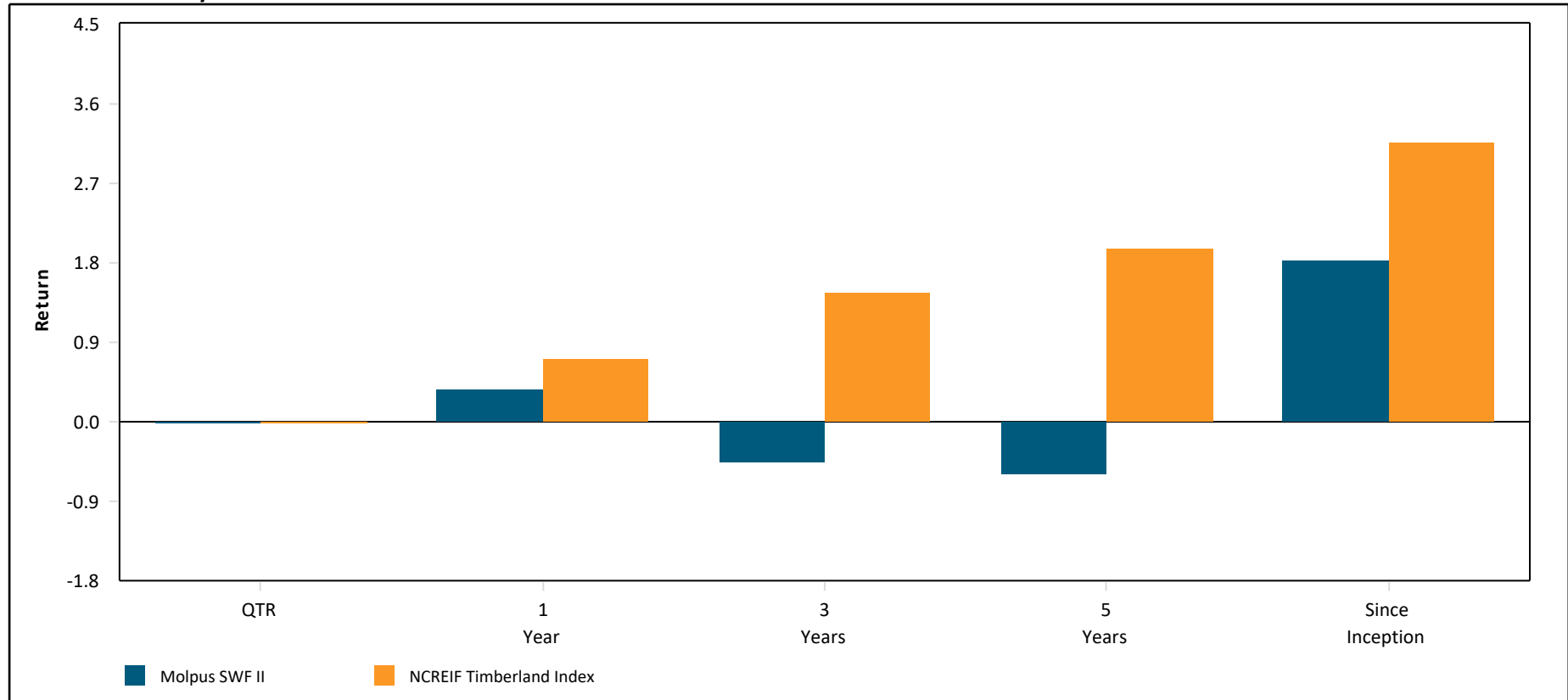
	QTR	1 Year	3 Years	5 Years	Since Inception	Inception Date
UBS Trumbull Property Fund	0.0	-5.3	-1.3	N/A	1.4	07/01/2016
<i>NCREIF Fund Index - ODCE (net)</i>	<i>1.9</i>	<i>1.5</i>	<i>4.0</i>	<i>5.3</i>	<i>5.1</i>	
Difference	-1.9	-6.8	-5.3	N/A	-3.7	

Manager Evaluation

Molpus SWF II

As of March 31, 2021

Performance Analysis



	QTR	1 Year	3 Years	5 Years	Since Inception	Inception Date
Molpus SWF II	0.0	0.4	-0.5	-0.6	1.8	03/01/2009
<i>NCREIF Timberland Index</i>	<i>0.0</i>	<i>0.7</i>	<i>1.5</i>	<i>2.0</i>	<i>3.2</i>	
Difference	0.0	-0.3	-2.0	-2.6	-1.4	

Definitions & Disclosures

Please note: Due to rounding methodologies of various data providers, certain returns in this report might differ slightly when compared to other sources

REGULATORY DISCLOSURES

Offer of ADV Part 2A: Rule 204-3 under the Investment Advisers Act of 1940 requires that we make an annual offer to clients to send them, without charge, a written disclosure statement meeting the requirements of such rule. We will be glad to send a copy of our ADV Part 2A to you upon your written request to compliance@fiducient.com.

ASSET CLASS REPRESENTATIONS

All material and information is intended for Fiducient Advisors L.L.C. business only. Any use or public dissemination outside firm business is prohibited. Information is obtained from a variety of sources which are believed though not guaranteed to be accurate. Any forecast represents future expectations and actual returns, volatilities and correlations will differ from forecasts. Past performance does not indicate future performance. This presentation does not represent a specific investment recommendation. Please consult with your advisor, attorney and accountant, as appropriate, regarding specific advice.

When referencing asset class returns or statistics, the following indices are used to represent those asset classes, unless otherwise notes. Each index is unmanaged and investors can not actually invest directly into an index:

TIPS: Bloomberg Barclays Global Inflation-Linked: U.S. TIPS Total Return Index Unhedged

Municipals 5-Year: Bloomberg Barclays Municipal Bond 5 Year (4-6) Total Return Index Unhedged USD

Core Bond: Bloomberg Barclays US Agg Total Return Value Unhedged USD

High Yield Municipals: Bloomberg Barclays Muni High Yield Total Return Index Value Unhedged USD

High Yield: Bloomberg Barclays US Corporate High Yield Total Return Index Value Unhedged USD

Foreign Bond: Bloomberg Barclays Global Aggregate ex-USD Total Return Index Value USD (50/50 blend of hedged and unhedged)

EM Debt (unhedged): J.P. Morgan GBI-EM Global Diversified Composite Unhedged USD

U.S. Large Cap: S&P 500 Total Return Index

U.S. Small Cap: Russell 2000 Total Return Index

International Developed: MSCI EAFE Net Total Return USD Index

Emerging Markets: MSCI Emerging Markets Net Total Return USD Index

World: MSCI ACWI Net Total Return USD Index

U.S. Equity REITs: FTSE Nareit Equity REITs Total Return Index USD

S&P Real Assets: S&P Real Assets Total Return Index

Commodities: Bloomberg Commodity Total Return Index

Hedge Funds: Hedge Fund Research HFRI Fund of Funds Composite Index

Balanced: 3% TIPS, 33% Core Bond, 4% High Yield, 2% Foreign Bond, 2% EM Debt (unhedged), 18% U.S. Large Cap, 6% U.S. Small Cap, 16% International, 8% Emerging Markets, 5% U.S. Equity REITs, 3% Commodities

U.S.: MSCI USA Net Total Return USD Index

China: MSCI CHINA Net Total Return USD Index

Japan: MSCI Japan Net Total Return USD Index

Germany: MSCI Germany Net Total Return USD Index

India: MSCI India Net Total Return USD Index

United Kingdom: MSCI UK Net Total Return USD Index

France: MSCI France Net Total Return USD Index

Italy: MSCI Italy Net Total Return USD Index

Brazil: MSCI Brazil Net Total Return USD Index

Canada: MSCI Canada Net Total Return USD Index

INDEX DEFINITIONS

- **Citigroup 3 Month T-Bill** measures monthly return equivalents of yield averages that are not marked to market. The Three-Month Treasury Bill Indexes consist of the last three three-month Treasury bill issues.
- **Ryan 3 Yr. GIC** is an arithmetic mean of market rates of \$1 million Guaranteed Interest Contracts held for three years.
- **Bloomberg Barclays Treasury U.S. T-Bills-1-3 Month Index** includes aged U.S. Treasury bills, notes and bonds with a remaining maturity from 1 up to (but not including) 3 months. It excludes zero coupon strips.
- **Bloomberg Barclays Capital US Treasury Inflation Protected Securities Index** consists of Inflation-Protection securities issued by the U.S. Treasury.
- **Bloomberg Barclays Muni Index** is a rules-based, market-value-weighted index engineered for the long-term tax-exempt bond market. Bonds must be rated investment-grade by at least two ratings agencies.
- **Bloomberg Barclays Muni 1 Year Index** is the 1-year (1-2) component of the Municipal Bond index.
- **Bloomberg Barclays Muni 3 Year Index** is the 3-year (2-4) component of the Municipal Bond index.
- **Bloomberg Barclays Muni 5 Year Index** is the 5-year (4-6) component of the Municipal Bond index.
- **Bloomberg Barclays Muni 7 Year Index** is the 7-year (6-8) component of the Municipal Bond index.
- **Bloomberg Barclays Intermediate U.S. Gov't/Credit** is the Intermediate component of the U.S. Government/Credit index, which includes securities in the Government and Credit Indices. The Government Index includes treasuries and agencies, while the credit index includes publicly issued U.S. corporate and foreign debentures and secured notes that meet specified maturity, liquidity, and quality requirements.

- **Bloomberg Barclays U.S. Aggregate Index** covers the U.S. investment grade fixed rate bond market, with index components for government and corporate securities, mortgage pass-through securities, and asset-backed securities.
- **Bloomberg Barclays Global Aggregate ex. USD Indices** represent a broad-based measure of the global investment-grade fixed income markets. The two major components of this index are the Pan-European Aggregate and the Asian-Pacific Aggregate Indices. The index also includes Eurodollar and Euro-Yen corporate bonds and Canadian government, agency and corporate securities.
- **Bloomberg Barclays U.S. Corporate High Yield Index** covers the universe of fixed rate, non-investment grade debt. Eurobonds and debt issues from countries designated as emerging markets (sovereign rating of Baa1/BBB+/BBB+ and below using the middle of Moody's, S&P, and Fitch) are excluded, but Canadian and global bonds (SEC registered) of issuers in non-EMG countries are included.
- **JP Morgan Government Bond Index-Emerging Market (GBI-EM) Index** is a comprehensive, global local emerging markets index, and consists of regularly traded, liquid fixed-rate, domestic currency government bonds to which international investors can gain exposure.
- **The S&P 500** is a capitalization-weighted index of 500 stocks designed to measure performance of the broad domestic economy through changes in the aggregate market value of 500 stocks representing all major industries.
- **The Dow Jones Industrial Index** is a price-weighted average of 30 blue-chip stocks that are generally the leaders in their industry.
- **The NASDAQ** is a broad-based capitalization-weighted index of stocks in all three NASDAQ tiers: Global Select, Global Market and Capital Market.
- **Russell 3000** is a market-cap-weighted index which consists of roughly 3,000 of the largest companies in the U.S. as determined by market capitalization. It represents nearly 98% of the investable U.S. equity market.
- **Russell 1000** consists of the largest 1000 companies in the Russell 3000 Index.
- **Russell 1000 Growth** measures the performance of those Russell 1000 companies with higher P/B ratios and higher forecasted growth values.
- **Russell 1000 Value** measures the performance of those Russell 1000 companies with lower P/B ratios and lower forecasted growth values.
- **Russell Mid Cap** measures the performance of the 800 smallest companies in the Russell 1000 Index.
- **Russell Mid Cap Growth** measures the performance of those Russell Mid Cap companies with higher P/B ratios and higher forecasted growth values.
- **Russell Mid Cap Value** measures the performance of those Russell Mid Cap companies with lower P/B ratios and lower forecasted growth values.
- **Russell 2000** consists of the 2,000 smallest U.S. companies in the Russell 3000 index.
- **Russell 2000 Growth** measures the performance of the Russell 2000 companies with higher P/B ratios and higher forecasted growth values.
- **Russell 2000 Value** measures the performance of those Russell 2000 companies with lower P/B ratios and lower forecasted growth values.
- **Russell 2500** consists of the 2,500 smallest U.S. companies in the Russell 3000 index.
- **Russell 2500 Growth** measures the performance of the Russell 2500 companies with higher P/B ratios and higher forecasted growth values.
- **Russell 2500 Value** measures the performance of those Russell 2500 companies with lower P/B ratios and lower forecasted growth values.
- **MSCI World** captures large and mid-cap representation across 23 Developed Markets countries. With 1,645 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in each country.
- **MSCI ACWI (All Country World Index) ex. U.S. Index** captures large and mid-cap representation across 22 of 23 Developed Markets countries (excluding the United States) and 23 Emerging Markets countries. With 1,859 constituents, the index covers approximately 85% of the global equity opportunity set outside the US.
- **MSCI ACWI (All Country World Index) ex. U.S. Small Cap Index** captures small cap representation across 22 of 23 Developed Markets countries (excluding the US) and 23 Emerging Markets countries. With 4,368 constituents, the index covers approximately 14% of the global equity opportunity set outside the US.
- **MSCI EAFE** is an equity index which captures large and mid-cap representation across Developed Markets countries around the world, excluding the US and Canada. With 930 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in each country.
- **MSCI EAFE Value** captures large and mid-cap securities exhibiting overall value style characteristics across Developed Markets countries around the world, excluding the US and Canada. The value investment style characteristics for index construction are defined using three variables: book value to price, 12-month forward earnings to price and dividend yield. With 507 constituents, the index targets 50% coverage of the free float-adjusted market capitalization of the MSCI EAFE Index.
- **MSCI EAFE Growth** captures large and mid-cap securities exhibiting overall growth style characteristics across Developed Markets countries around the world, excluding the US and Canada. The growth investment style characteristics for index construction are defined using five variables: long-term forward EPS growth rate, short-term forward EPS growth rate, current internal growth rate and long-term historical EPS growth trend and long-term historical sales per share growth trend. With 542 constituents, the index targets 50% coverage of the free float-adjusted market capitalization of the MSCI EAFE Index.
- **MSCI Emerging Markets** captures large and mid-cap representation across 23 Emerging Markets countries. With 836 constituents, the index covers approximately 85% of the free-float adjusted market capitalization in each country.
- **Consumer Price Index** is a measure of prices paid by consumers for a market basket of consumer goods and services. The yearly (or monthly) growth rates represent the inflation rate.
- **FTSE NAREIT Equity REITs Index** contains all Equity REITs not designed as Timber REITs or Infrastructure REITs.
- **S&P Developed World Property** defines and measures the investable universe of publicly traded property companies domiciled in developed markets. The companies in the index are engaged in real estate related activities, such as property ownership, management, development, rental and investment.
- **S&P Developed World Property x U.S.** defines and measures the investable universe of publicly traded property companies domiciled in developed countries outside of the U.S. The companies included are engaged in real estate related activities, such as property ownership, management, development, rental and investment.
- **Fund Specific Broad Real Asset Benchmarks:**
 - **DWS Real Assets:** 30%: Dow Jones Brookfield Infrastructure Index, 30%: FTSE EPRA/NAREIT Developed Index, 15%: Bloomberg Commodity Index, 15%: S&P Global Natural Resources Index, 10%: Barclays U.S. Treasury Inflation Notes Total Return Index
 - **PIMCO Inflation Response Multi Asset Fund:** 45% Barclays U.S. TIPS, 20% Bloomberg Commodity Index, 15% JP Morgan Emerging Local Markets Plus, 10% Dow Jones Select REIT, 10% Bloomberg Gold Subindex Total Return
 - **Principal Diversified Real Assets:** 35% BBgBarc U.S. Treasury TIPS Index, 20% S&P Global Infrastructure Index NTR, 20% S&P Global Natural Resources Index NTR, 15% Bloomberg Commodity Index, and 10% FTSE EPRA/NAREIT Developed Index NTR
 - **Wellington Diversified Inflation H:** 50% MSCI ACWI Commodity Producers Index, 25% Bloomberg Commodity Index, and 25% Bloomberg Barclays US TIPS 1 – 10 Year Index
- **Bloomberg Commodity Index** is calculated on an excess return basis and reflects commodity futures price movements. The index rebalances annually weighted 2/3 by trading volume and 1/3 by world production and weight-caps are applied at the commodity, sector and group level for diversification.
- **HFRF Fund Weighted Composite Index** is a global, equal-weighted index of over 2,000 single-manager funds that report to HFR Database. Constituent funds report monthly net of all fees performance in US Dollar and have a minimum of \$50 Million under management or a twelve (12) month track record of active performance. The HFRF Fund Weighted Composite Index does not include Funds of Hedge Funds.
- **The Alerian MLP Index** is the leading gauge of energy Master Limited Partnerships (MLPs). The float adjusted, capitalization-weighted index, whose constituents represent approximately 85% of total float-adjusted market capitalization, is disseminated real-time on a price-return basis (AMZ) and on a total-return basis.
- **The Adjusted Alerian MLP Index** is commensurate with 65% of the monthly returns of the Alerian MLP Index to incorporate the effect of deferred tax liabilities incurred by MLP entities.
- **Cambridge Associates U.S. Private Equity Index** is based on data compiled from more than 1,200 institutional-quality buyout, growth equity, private equity energy, and mezzanine funds formed between 1986 and 2015.

- **Cambridge Associates U.S. Venture Capital Index** is based on data compiled from over 1,600 institutional-quality venture capital funds formed between 1986 and 2015.
- **Vanguard Spliced Bloomberg Barclays US1-5Yr Gov/Cr Flt Adj Index:** Bloomberg Barclays U.S. 1–5 Year Government/Credit Bond Index through December 31, 2009; Bloomberg Barclays U.S. 1–5 Year Government/Credit Float Adjusted Index thereafter.
- **Vanguard Spliced Bloomberg Barclays US5-10Yr Gov/Cr Flt Adj Index:** Bloomberg Barclays U.S. 5–10 Year Government/Credit Bond Index through December 31, 2009; Bloomberg Barclays U.S. 5–10 Year Government/Credit Float Adjusted Index thereafter.
- **Vanguard Spliced Bloomberg Barclays US Agg Flt Adj Index:** Bloomberg Barclays U.S. Aggregate Bond Index through December 31, 2009; Bloomberg Barclays U.S. Aggregate Float Adjusted Index thereafter.
- **Vanguard Spliced Bloomberg Barclays US Long Gov/Cr Flt Adj Index:** Bloomberg Barclays U.S. Long Government/Credit Bond Index through December 31, 2009; Bloomberg Barclays U.S. Long Government/Credit Float Adjusted Index thereafter.
- **Vanguard Balanced Composite Index:** Made up of two unmanaged benchmarks, weighted 60% Dow Jones U.S. Total Stock Market Index (formerly the Dow Jones Wilshire 5000 Index) and 40% Bloomberg Barclays U.S. Aggregate Bond Index through May 31, 2005; 60% MSCI US Broad Market Index and 40% Bloomberg Barclays U.S. Aggregate Bond Index through December 31, 2009; 60% MSCI US Broad Market Index and 40% Bloomberg Barclays U.S. Aggregate Float Adjusted Index through January 14, 2013; and 60% CRSP US Total Market Index and 40% Bloomberg Barclays U.S. Aggregate Float Adjusted Index thereafter.
- **Vanguard Spliced Intermediate-Term Tax-Exempt Index:** Bloomberg Barclays 1–15 Year Municipal Bond Index.
- **Vanguard Spliced Extended Market Index:** Dow Jones Wilshire 4500 Index through June 17, 2005; S&P Transitional Completion Index through September 16, 2005; S&P Completion Index thereafter.
- **Vanguard Spliced Value Index:** S&P 500 Value Index (formerly the S&P 500/Barra Value Index) through May 16, 2003; MSCI US Prime Market Value Index through April 16, 2013; CRSP US Large Cap Value Index thereafter.
- **Vanguard Spliced Large Cap Index:** Consists of MSCI US Prime Market 750 Index through January 30, 2013, and the CRSP US Large Cap Index thereafter.
- **Vanguard Spliced Growth Index:** S&P 500 Growth Index (formerly the S&P 500/Barra Growth Index) through May 16, 2003; MSCI US Prime Market Growth Index through April 16, 2013; CRSP US Large Cap Growth Index thereafter.
- **Vanguard Spliced Mid Cap Value Index:** MSCI US Mid Cap Value Index through April 16, 2013; CRSP US Mid Cap Value Index thereafter.
- **Vanguard Spliced Mid Cap Index:** S&P MidCap 400 Index through May 16, 2003; the MSCI US Mid Cap 450 Index through January 30, 2013; and the CRSP US Mid Cap Index thereafter.
- **Vanguard Spliced Mid Cap Growth Index:** MSCI US Mid Cap Growth Index through April 16, 2013; CRSP US Mid Cap Growth Index thereafter.
- **Vanguard Spliced Total Stock Market Index:** Dow Jones U.S. Total Stock Market Index (formerly known as the Dow Jones Wilshire 5000 Index) through April 22, 2005; MSCI US Broad Market Index through June 2, 2013; and CRSP US Total Market Index thereafter.
- **Vanguard Spliced Small Cap Value Index:** SmallCap 600 Value Index (formerly the S&P SmallCap 600/Barra Value Index) through May 16, 2003; MSCI US Small Cap Value Index through April 16, 2013; CRSP US Small Cap Value Index thereafter.
- **Vanguard Spliced Small Cap Index:** Russell 2000 Index through May 16, 2003; the MSCI US Small Cap 1750 Index through January 30, 2013; and the CRSP US Small Cap Index thereafter.
- **Vanguard Spliced Small Cap Growth Index:** S&P SmallCap 600 Growth Index (formerly the S&P SmallCap 600/Barra Value Index) through May 16, 2003; MSCI US Small Cap Growth Index through April 16, 2013; CRSP US Small Cap Growth Index thereafter.
- **Vanguard Spliced Total International Stock Index:** Consists of the Total International Composite Index through August 31, 2006; the MSCI EAFE + Emerging Markets Index through December 15, 2010; the MSCI ACWI ex USA IMI Index through June 2, 2013; and FTSE Global All Cap ex US Index thereafter. Benchmark returns are adjusted for withholding taxes.
- **Vanguard Spliced Developed Markets Index:** MSCI EAFE Index through May 28, 2013; FTSE Developed ex North America Index through December 20, 2015; FTSE Developed All Cap ex US Transition Index through May 31, 2016; FTSE Developed All Cap ex US Index thereafter. Benchmark returns are adjusted for withholding taxes.
- **Vanguard Spliced Emerging Markets Index:** Select Emerging Markets Index through August 23, 2006; MSCI Emerging Markets Index through January 9, 2013; FTSE Emerging Transition Index through June 27, 2013; FTSE Emerging Index through November 1, 2015; and FTSE Emerging Markets All Cap China A Transition Index thereafter. Benchmark returns are adjusted for withholding taxes.
- **Vanguard REIT Spliced Index:** MSCI US REIT Index adjusted to include a 2% cash position (Lipper Money Market Average) through April 30, 2009; MSCI US REIT Index through January 31, 2018; MSCI US Investable Market Real Estate 25/50 Transition Index through July 24, 2018; MSCI US Investable Market Real Estate 25/50 Index thereafter.

Additional:

- Equity sector returns are calculated by Russell and MSCI for domestic and international markets, respectively. MSCI sector definitions correspond to the MSCI GICS® classification (Global Industry Classification System); Russell uses its own sector and industry classifications.
- MSCI country returns are calculated by MSCI and are free float-adjusted market capitalization indices that are designed to measure equity market performance in each specific country.
- Currency returns are calculated using Bloomberg's historical spot rate indices and are calculated using the U.S. dollar as the base currency.
- The Index of Leading Economic Indicators, calculated by The Conference Board, is used as a barometer of economic activity over a range of three to six months. The index is used to determine the direction and stability of the economy. The composite index of leading indicators, which is derived from 10 leading indicators, helps to signal turning points in the economy and forecast economic cycles. The leading indicators are the following: average weekly hours, average weekly initial claims, manufacturers' new orders, both consumer and non-defense capital goods, vendor performance, building permits, stock prices, money supply (M2), the interest rate spread and the index of consumer expectations.
- S&P Target Date Indexes are constructed using a survey method of current target date investments with \$100 million or more in assets under management. Allocations for each vintage are comprised of exchange-traded funds that represent respective asset classes used in target date portfolios. The indexes are designed to represent a market consensus glide path.

DEFINITION OF KEY STATISTICS AND TERMS

- **Returns:** A percentage figure used when reporting historical average compounded rate of investment return. All returns are annualized if the period for which they are calculated exceeds one year.
- **Universe Comparison:** The universe compares the fund's returns to a group of other investment portfolios with similar investment strategies. The returns for the fund, the index and the universe percentiles are displayed. A percentile ranking of 1 is the best, while a percentile ranking of 100 is the worst. For example, a ranking of 50 indicates the fund outperformed half of the universe. A ranking of 25 indicates the fund was in the top 25% of the universe, outperforming 75%.
- **Returns In Up/Down Markets:** This measures how the fund performed in both up and down markets. The methodology is to segregate the performance for each time period into the quarters in which the market, as defined by the index, was positive and negative. Quarters with negative index returns are treated as down markets, and quarters with positive index returns are treated as up markets. Thus, in a 3 year or 12 quarter period, there might be 4 down quarters and 8 up quarters. A simple arithmetic average of returns is calculated for the fund and the index based on the up quarters. A simple arithmetic average of returns is calculated for the fund and the index based on the down quarters. The up market capture ratio is the ratio of the fund's return in up markets to the index. The down market capture ratio is the ratio of the fund's return in down markets to the index. Ideally, the fund would have a greater up market capture ratio than down market capture ratio.

- **Standard Deviation:** Standard deviation is a statistical measure of the range of performance within which the total returns of a fund fall. When a fund has a high standard deviation, the range of performance is very wide, meaning there is a greater volatility. Approximately 68% of the time, the total return of any given fund will differ from the average total return by no more than plus or minus the standard deviation figure. Ninety-five percent of the time, a fund's total return will be within a range of plus or minus two times the standard deviation from the average total return. If the quarterly or monthly returns are all the same the standard deviation will be zero. The more they vary from one another, the higher the standard deviation. Standard deviation can be misleading as a risk indicator for funds with high total returns because large positive deviations will increase the standard deviation without a corresponding increase in the risk of the fund. While positive volatility is welcome, negative is not.
- **R-Squared:** This reflects the percentage of a fund's movements that are explained by movements in its benchmark index. An R-squared of 100 means that all movements of a fund are completely explained by movements in the index. Conversely, a low R-squared indicates very few of the fund's movements are explained by movements in the benchmark index. R-squared can also be used to ascertain the significance of a particular beta. Generally, a higher R-squared will indicate a more reliable beta figure. If the R-squared is lower, then the beta is less relevant to the fund's performance. A measure of diversification, R-squared indicates the extent to which fluctuations in portfolio returns are explained by market. An R-squared = 0.70 implies that 70% of the fluctuation in a portfolio's return is explained by the fluctuation in the market. In this instance, overweighting or underweighting of industry groups or individual securities is responsible for 30% of the fund's movement.
- **Beta:** This is a measure of a fund's market risk. The beta of the market is 1.00. Accordingly, a fund with a 1.10 beta is expected to perform 10% better than the market in up markets and 10% worse than the market in down markets. It is important to note, however, a low fund beta does not imply the fund has a low level of volatility; rather, a low beta means only that the fund's market-related risk is low. Because beta analyzes the market risk of a fund by showing how responsive the fund is to the market, its usefulness depends on the degree to which the markets determine the fund's total risk (indicated by R-squared).
- **Alpha:** The Alpha is the nonsystematic return, or the return that can't be attributed to the market. It can be thought of as how the manager performed if the market's return was zero. A positive alpha implies the manager added value to the return of the portfolio over that of the market. A negative alpha implies the manager did not contribute any value over the performance of the market.
- **Sharpe Ratio:** The Sharpe ratio is the excess return per unit of total risk as measured by standard deviation. Higher numbers are better, indicating more return for the level of risk experienced. The ratio is a fund's return minus the risk-free rate of return (30-day T-Bill rate) divided by the fund's standard deviation. The higher the Sharpe ratio, the more reward you are receiving per unit of total risk. This measure can be used to rank the performance of mutual funds or other portfolios.
- **Treynor Ratio:** The Treynor ratio measures returns earned in excess of that which could have been earned on a riskless investment per each unit of market risk. The ratio relates excess return over the risk-free rate to the additional risk taken; however, systematic risk is used instead of total risk. The Treynor ratio is similar to the Sharpe ratio, except in the fact that it uses the beta to evaluate the returns rather than the standard deviation of portfolio returns. High values mean better return for risk taken.
- **Tracking Error:** Tracking error measures the volatility of the difference in annual returns between the manager and the index. This value is calculated by measuring the standard deviation of the difference between the manager and index returns. For example, a tracking error of +/- 5 would mean there is about a 68% chance (1 standard deviation event) that the manager's returns will fall within +/- 5% of the benchmark's annual return.
- **Information Ratio:** The information ratio is a measure of the consistency of excess return. This value is determined by taking the annualized excess return over a benchmark (style benchmark by default) and dividing it by the standard deviation of excess return.
- **Consistency:** Consistency shows the percent of the periods the fund has beaten the index and the percent of the periods the index has beat the fund. A high average for the fund (e.g., over 50) is desirable, indicating the fund has beaten the index frequently.
- **Downside Risk:** Downside risk is a measure similar to standard deviation but focuses only on the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. The higher the factor, the riskier the product.
- **M-Squared:** M-squared, or the Modigliani risk-adjusted performance measure is used to characterize how well a portfolio's return rewards an investor for the amount of risk taken, relative to that of some benchmark portfolio and to the risk-free rate.

DEFINITION OF KEY PRIVATE EQUITY TERMS

- **PIC (Paid in Capital):** The amount of committed capital that has been transferred from the limited partner to the general partner.
- **TVPI (Total Value to Paid in Capital):** Money returned to limited partners plus the fund's unrealized investments, divided by money paid-in to the partnership. The TVPI should equal RVPI plus DPI.
- **DPI (Distribution to Paid In Capital):** Money returned (distributions) to limited partners divided by money paid in to the partnership. Also called cash-on-cash multiple.
- **RVPI (Residual Value to Paid In Capital):** The value of a fund's unrealized investments divided by money paid-in to the partnership.
- **Internal rate of return (IRR):** This is the most appropriate performance benchmark for private equity investments. It is a time-weighted return expressed as a percentage. IRR uses the present sum of cash drawdowns (money invested), the present value of distributions (money returned from investments) and the current value of unrealized investments and applies a discount.
- **Commitment:** Every investor in a private equity fund commits to investing a specified sum of money in the fund partnership over a specified period of time. The fund records this as the limited partnership's capital commitment. The sum of capital commitments is equal to the size of the fund.
- **Capital Distribution:** These are the returns that an investor in a private equity fund receives. It is the income and capital realized from investments less expenses and liabilities. Once a limited partner has had their cost of investment returned, further distributions are actual profit. The partnership agreement determines the timing of distributions to the limited partner. It will also determine how profits are divided among the limited partners and general partner.
- **Carried Interest:** The share of profits that the fund manager is due once it has returned the cost of investment to investors. Carried interest is normally expressed as a percentage of the total profits of the fund.
- **Co-Investment:** Co-Investments are minority investments made alongside a private equity investor in an LBO, a recapitalization, or an expansion capital transaction. It is a passive, non-controlling investment, as the private equity firm involved will typically exercise control and perform monitoring functions.
- **General Partner (GP):** This can refer to the top-ranking partners at a private equity firm as well as the firm managing the private equity fund.
- **GP Commitments:** It is normal practice for the GP managing a private equity fund to also make a financial commitment to the fund on the same basis as the LPs in the fund, and this is seen as an important factor driving the alignment of GP and LP interests. The historic benchmark for GP commitments has been 1% of the total fund size, but this is by no means universal, and many GPs commit significantly larger amounts. Furthermore, there has been a marked trend towards GPs making larger commitments to their funds over recent years.
- **Leveraged Buy-Out (LBO):** The acquisition of a company using debt and equity finance.
- **Limited Partner (LP):** Institutions or high-net-worth individuals/sophisticated investors that contribute capital to a private equity fund.
- **Public Market Equivalent (PME):** Performance measure used to evaluate performance relative to the market. It is calculated as the ratio of the discounted value of the LP's inflows divided by the discounted value of outflows, with the discounting performed using realized market returns.
- **Primaries:** An original investment vehicle that invests directly into a company or asset.

VALUATION POLICY

Fiducient Advisors does not engage an independent third-party pricing service to value securities. Our reports are generated using the security prices provided by custodians used by our clients. Our custodial pricing hierarchy is available upon request. If a client holds a security not reported by the first custodian within the hierarchy, the valuation is generated from the next custodian within the hierarchy, and so forth. Each custodian uses pricing services from outside vendors, where the vendors may generate nominally different prices. Therefore, this report can reflect minor valuation differences from those contained in a custodian's report. In rare instances where Fiducient Advisors overrides a custodial price, prices are taken from Bloomberg.

REPORTING POLICY

This report is intended for the exclusive use of the client listed within the report. Content is privileged and confidential. Any dissemination or distribution is strictly prohibited. Information has been obtained from a variety of sources believed to be reliable though not independently verified. Any forecast represents median expectations and actual returns, volatilities and correlations will differ from forecasts. Please note each client has customized investment objectives and constraints and the investment strategy for each portfolio is based on a client-specific asset allocation model. Past performance does not indicate future performance and there is a possibility of a loss. Performance calculated net of investment fees. Certain portfolios presented may be gross of Fiducient Advisors' fees and actual performance would be reduced by investment advisory fees. This report does not represent a specific investment recommendation. Please consult with your advisor, attorney, and accountant, as appropriate, regarding specific advice.

Custodian reports are the reports that govern the account. There will be different account values between Fiducient Advisors' reports and the custodian reports based on whether the report utilizes trade date or settlement date to calculate value. Additionally, difference between values contained on reports may be caused by different accrued income values. Any forecasts represent future expectations and actual returns, volatilities and correlations will differ from forecasts. This report does not represent a specific investment recommendation. Please consult with your advisor, attorney, and accountant, as appropriate, regarding specific advice. Past performance does not indicate future performance and there is a possibility of a loss.

Manager performance for mutual funds and ETFs is based on NAV and provided by Lipper. Performance for non-mutual fund or ETF investments is based on the returns provided by managers, calculations based on a manager statement, or calculations based on a statement or data from the client's custodian. Unless specified otherwise, all returns are net of individual manager fees, represent total returns and are annualized for periods greater than one year. The deduction of fees produces a compounding effect that reduces the total rate of return over time. As an example, the effect of investment management fees on the total value of a client's portfolio assuming (a) quarterly fee assessment, (b) \$1,000,000 investment, (c) portfolio return of 8% a year, and (d) 0.50% annual investment advisory fee would be \$5,228 in the first year, and cumulative effects of \$30,342 over five years and \$73,826 over ten years. Additional information on advisory fees charged by Fiducient Advisors are described in Part 2 of the Form ADV.

OTHER

By regulation, closed-end funds utilizing debt for leverage must report their interest expense, as well as their income tax expense, as part of their total expense ratio. To make for a useful comparison between closed-end funds and both open-end funds and exchange-traded funds, adjusted expense ratios excluding interest and income tax expenses are utilized for closed-end funds within this report. See disclosure on closed-end fund fact sheets for information regarding the total expense ratio of each closed-end fund.

Please advise us of any changes in your objectives or circumstances.

CUSTODIAN STATEMENTS

Please remember to review the periodic statements you receive from you custodian. If you do not receive periodic statements from your custodian or notice issues with the activity reported in those statements, please contact Fiducient Advisors or your custodian immediately.