

VERMONT STATE RETIREMENT SYSTEM

3rd Quarter Report



Agenda:

VERMONT STATE RETIREMENT SYSTEM: Strategic Discussion

- I. [Plan Summary](#)
- II. [Market Overview](#)
- III. [Investment Spectrum](#)
- IV. [Investment Analysis](#)

Plan Summary



Executive Summary

As of 09/30/2017

STATE OF VERMONT – 37566

Plan / Participant Statistics

Plan participants / assets

• Assets \$M	\$65.96
• Avg Age ¹	51
• Median Balance ² (\$K)	\$53.5
• Median Balance ² Parts 55 and older (\$K)	\$177.3

Return / Risk (Annualized)

• 3 Yr Participant Return ^{2,3} /	8.2% /
• 3 Yr S&P 500 Return	10.81%
• 3 Yr Participant Risk ^{2,3} /	8.7% /
• 3 Yr S&P 500 Risk	10.07%

Investment Performance

Performance for Review

• % of Assets / Number of Products Underperforming Primary Benchmark & Mstar Cat (3 & 5 Yr)	7.6% / 3
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Asset Allocation & Investment Design

Asset Allocation

• Participants Inside Age-Based Equity Band*	67%
• 100% Equity Exposure	8.3%
• 0% Equity Exposure	2.6%

Investment Design

• Investment options utilized ^{1*}	21
• Lifecycle Default ¹	Yes
• Managed accounts	No
• SDB utilized ¹	No
• Roth offered	No
• Number of Index options utilized ¹	5

Please see Fund Diagnostics Summary pages for performance and expense information.

If Watch List Products displayed, the numbers represent percent of assets and number of participants in the investment option.

* The Age-Based equity band represents an interval of plus or minus ten percentage points around the Fidelity target date strategy equity glide path, not to exceed 95% equity. Participants whose actual equity allocations fall within this age-based interval are said to be "inside" the equity band. The Fidelity equity band is not intended as a benchmark for individual investors; rather, it represents a range of equity allocations that may be appropriate for many investors saving for retirement.

³Past performance is no guarantee of future results. Please see Important Additional Information page for details of Return / Risk calculation

Indices are for comparison purposes only and do not represent plan benchmark. Indices are unmanaged and you cannot invest directly in an index.

Risk is represented by standard deviation.

Note: For underperformance data displayed above, products must underperform for both 3 & 5 year timeframes.

Asset Allocation & Investment Design and Plan / Participant Statistics (with the exception of Assets) is as of 09/30/2017

As of date for Assets and all other data points is noted above.



Important Additional Information

¹Plan weighted ²Participant weighted ⁴Asset weighted ♦ Lifecycle=1, Self Directed Brokerage=1

For SDB (Self Directed Brokerage) utilized, at least one participant must be participating. For Median number of Index options utilized, the data represents if utilized excl. Lifecycle.

Participant Returns are annualized. Participant Risk is annualized standard deviation of monthly returns.

Fund expense rating is a Morningstar data point and is calculated by comparing the fund's net expense ratio to the net expense ratio of all of the other funds within its Morningstar Category grouping.

Data in this report is based on Fidelity internal systems and analysis.

A **Self Directed Brokerage** account may entail greater risk and is not appropriate for everyone. Additional fees apply to a Self Directed Brokerage account.

Hybrid/ Balanced consists of mutual funds, commingled pools, and separate accounts composed of at least two asset classes - one being an equity option and the other either a fixed-income or money market option. Included in this category are lifecycle (target-date) options, lifestyle (target-risk) options, balanced options, and "strategies" (i.e., funds of funds, pools, and separate accounts) meeting the above conditions. Most of the assets and default fund usage within this asset class are Lifecycle (target-date) options.

Specialty consists of real estate, REITs, natural resources, precious metals, healthcare, energy, sector-specific funds (e.g., Fidelity's Select funds), as well as convertible securities.

Returns shown represent past performance, which does not guarantee future results. Investment return and principal value of an investment will fluctuate; therefore, you may have a gain or loss when you sell your shares. Current performance may be higher or lower than the performance stated.

Participant returns are annualized for the period indicated and are based on a time-weighted investment return formula that eliminates the effect of participants' cash flows during the entire return period. The formula is intended to reflect the performance of the managers of the underlying investments rather than the actual returns of investors who may have bought and sold the investments at different times over the return period. Returns that take into account the effect of participant cash flows during the return period (i.e., dollar weighted returns) could be significantly different from these time-weighted returns. The longer the return period, the larger the cash flows and the more volatile the investment, the greater the potential difference between the two types of returns. Plan returns were calculated based on aggregate plan assets, not individual participant returns. All returns are historical and include change in share value and reinvestment of dividends and capital gains, if any.

Peer Grouping categories consist of all Plans which met the client criteria at the specified point in time. The makeup of the peer group changes from period to period.

Markets Overview



2017 Q3 Market Summary (as of 9/30/2017)

Global summary: The global expansion remained relatively steady and synchronized

- Broadly speaking, most developed economies have low recession risk and are in more mature (mid-to-late) stages of the business cycle.
- Overall, the global expansion is on firm ground, but peak activity levels have probably already been reached.

United States: The U.S. remained a mix of mid and late-cycle dynamics

- Steady, broad-based U.S. growth implies a low probability of recession, although the tightening U.S. labor market is a sign of U.S. business-cycle maturity.
- In part because wage and broader inflation pressures have been relatively muted thus far, the trends for profits and credit have yet to show signs of significant deterioration that typically occur during the late-cycle phase.

International Markets: Core Europe remained firm, while U.K. outlook softened

- The Eurozone is not as far along as the U.S. in the cycle, and it continues to benefit from improving sentiment and credit conditions.
- China's activity has rebounded to multiyear highs, but policy tightening and slowing momentum in industrial activity and housing suggest most of the upside has already occurred.

Politics and policy: Another milestone on the road to policy normalization

- The Federal Reserve (the Fed) held interest rates steady in September, but in a slightly hawkish tilt it indicated another hike in December and three more in 2018.
- With the Fed putting the market on notice that its rate tightening is far from done, the tailwind of easing liquidity conditions may moderate or even reverse in the coming quarters.

Investment Risks:

Stock markets are volatile and can decline significantly in response to adverse issuer, political, regulatory, market, or economic developments. Foreign investments, especially those in emerging markets, involve greater risk and may offer greater potential returns than U.S. investments. This risk includes political and economic uncertainties of foreign countries, as well as the risk of currency fluctuation.

In general the bond market is volatile, and fixed income securities carry interest rate risk. (As interest rates rise, bond prices usually fall, and vice versa. This effect is usually more pronounced for longer-term securities.) Fixed income securities also carry inflation risk and credit and default risks for both issuers and counterparties. Unlike individual bonds, most bond funds

do not have a maturity date, so avoiding losses caused by price volatility by holding them until maturity is not possible. Lower-quality debt securities involve greater risk of default or price changes due to potential changes in the credit quality of the issuer. Past performance is no guarantee of future results.

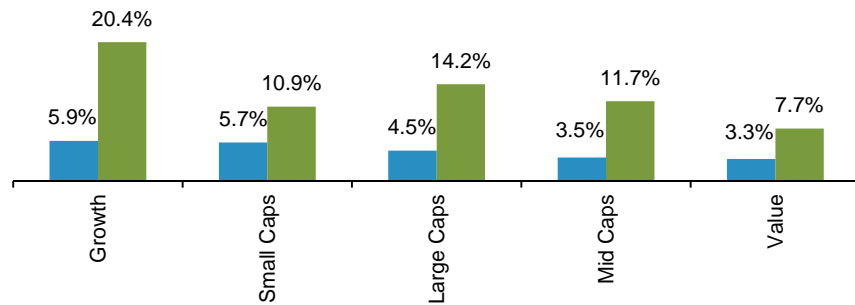


Market Performance as of September 30, 2017

Q3 was another strong quarter for U.S. and global equity markets. Growth stocks and emerging-market categories were the strongest performers, boosted by their exposure to big gains in the information technology sector. Credit categories continued to lead gains in the bond market, and year-to-date returns were almost universally positive across major asset categories and sectors.

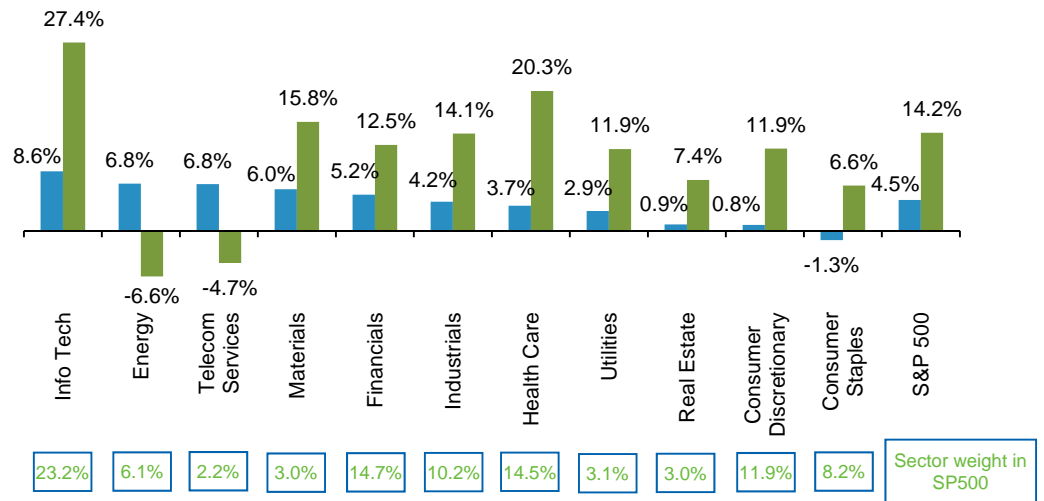
I. U.S. Equity Styles Total Return

■ Q3-2017 ■ Year-to-Date



II. S&P U.S. Equity Sectors Total Return

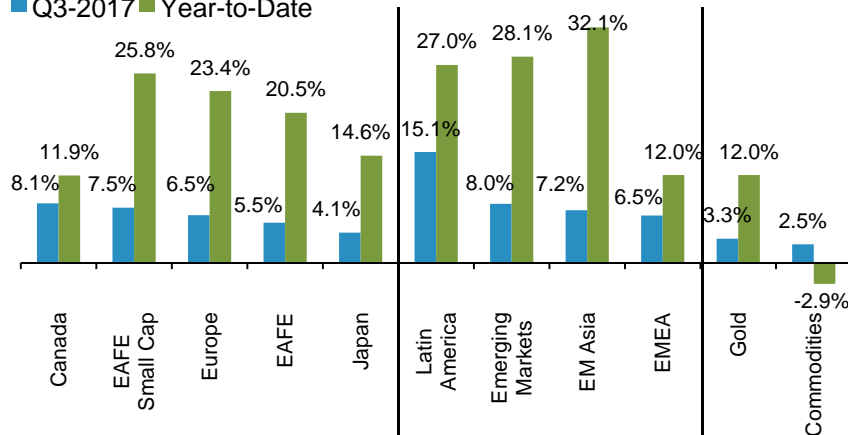
■ Q3-2017 ■ Year-to-Date



Please refer to the Market Perspective Notes for risk disclosures. Past performance is no guarantee of future results. Source: FactSet, Fidelity Investments (AART), as of 9/30/17

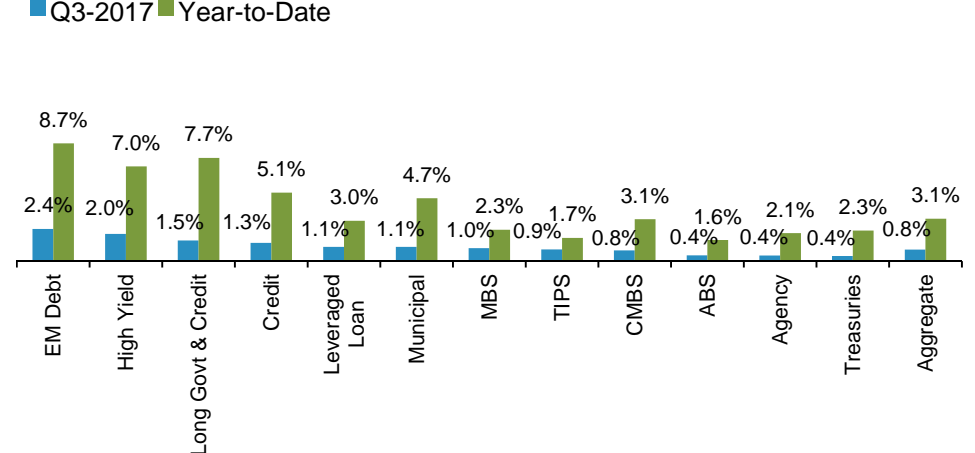
III. International Equities Total Return

■ Q3-2017 ■ Year-to-Date



IV. Fixed Income Total Return

■ Q3-2017 ■ Year-to-Date



Please refer to the Market Perspective Notes for risk disclosures. Past performance is no guarantee of future results. Source: FactSet, Fidelity Investments (AART), as of 9/30/17



Historical Context For S&P 500

Of the bull markets over the past 70 years, the current one is second strongest as it has expanded to over 200% since the market bottom of 676 in March of 2009. On the flip side, the recent bear market was the strongest. The next question is does the market continue to move up from here.

I. Bull/Bear Markets Cycles (1946-2017)



Risks

- Geo-political concerns rising (North Korea, China)
- Markets at all-time high (S&P 500 Index crossed 2500 on Sept 15, 2017)
- Potential for increased volatility with VIX at lowest level since 1993, (VIX lowest level close on Oct 5, 2017)
- Longest period on record for a steady S&P 500 climb without a 5% drop.
- High levels of global debt and normalization of monetary policy leading to potential slowdown in liquidity growth.

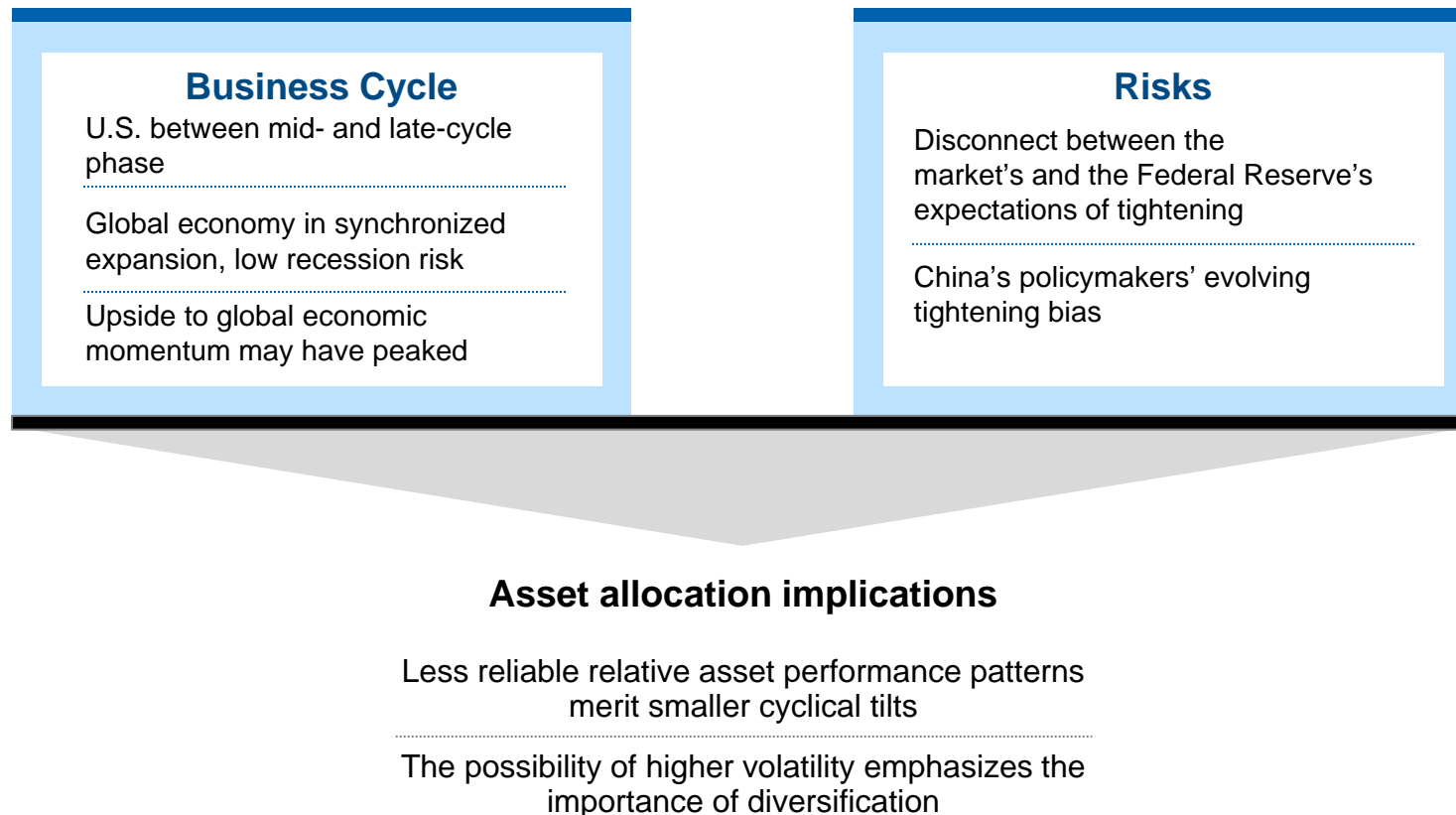
Opportunities

- Investor sentiment/Equity flows – Below previous market peaks of 2000 and 2007
- M&A and IPO activity below peaks of 2000 and 2007
- Weakening earnings growth was seen at prior peaks - recent earnings growth data strong relative to previous market peaks of 2000 and 2007.
- In previous peaks one saw shifts to defensive stocks, currently cyclicals are leading
- Previous peaks saw a widening of credit spreads, currently high yield to treasury spreads relatively tight.

Source: FMR, Bloomberg, Haver Analytics, Factset, CQG. Values represent Cumulative Performance as of 9/30/17.

Outlook: Market Assessment

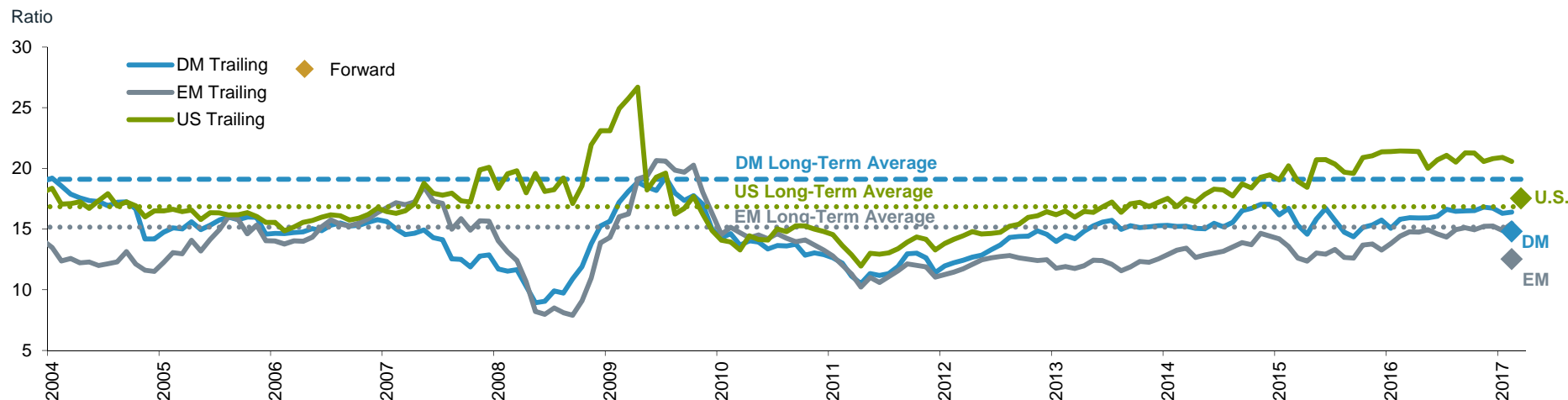
Fidelity's Business Cycle Board, composed of portfolio managers responsible for a variety of global asset allocation strategies, believes that the global economy is experiencing a synchronized expansion. However, the Board maintains an expectation for higher volatility driven by risks in the monetary policy outlook, and some members believe smaller asset allocation tilts may be warranted at this point in the cycle.



Equity Valuations Mixed Relative to History

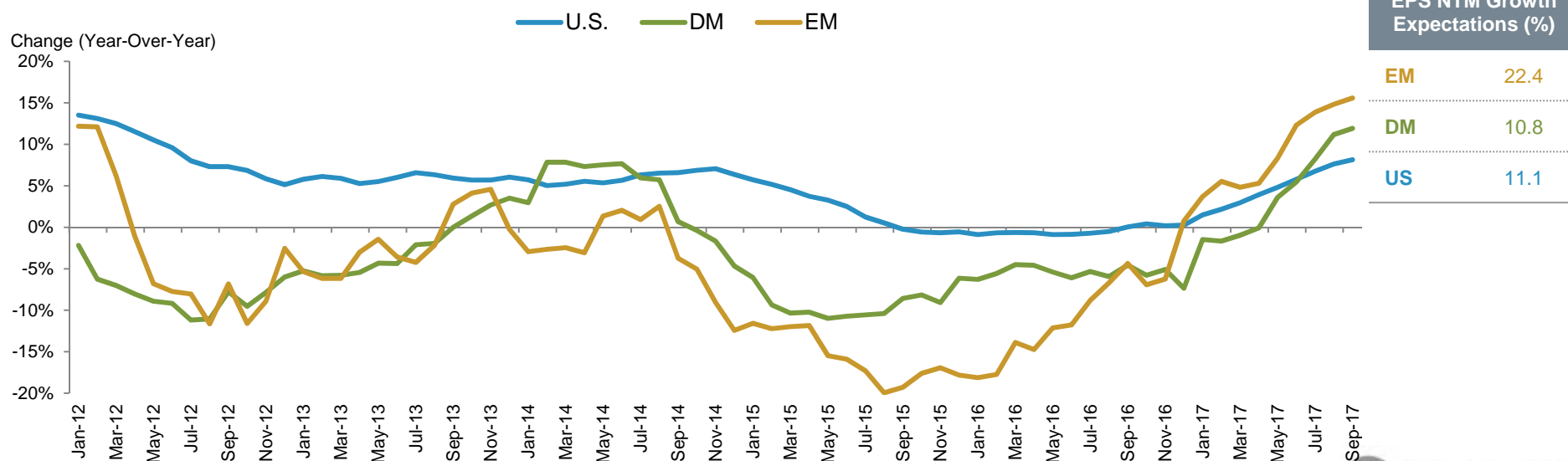
On a one-year-trailing-earnings basis relative to their own histories, U.S. price-to-earnings ratios are above average, developed markets are below average, and emerging markets are roughly average. All valuations have risen substantially over the past two years, although forward-looking estimates appear more reasonable. Following several years of profit recession, international corporate earnings have accelerated for several quarters and have surpassed U.S. corporate profit growth. Earnings revisions have also stabilized for the first time in years, although lofty forward earnings growth expectations may provide a tougher hurdle to clear in the year ahead, particularly in emerging markets.

I. International Markets' P/E Ratios



Past performance is no guarantee of future results. You cannot invest directly in an index. Please see appendix for important index information. Price-to-earnings ratio (P/E) = Stock price divided by earnings per share. Also known as the multiple, P/E gives investors an idea of how much they are paying for a company's earnings power. Long-term average P/E for Emerging Markets includes data for 1988–2015. Long-term average P/E for Developed Markets includes data for 1973–2015. US – S&P 500 Index, Developed Markets – MSCI EAFE Index, Emerging Markets – MSCI EM Index. Source: FactSet, Fidelity Investments (AART) as of 8/31/17.

II. Global EPS Growth (Trailing 12 Months)

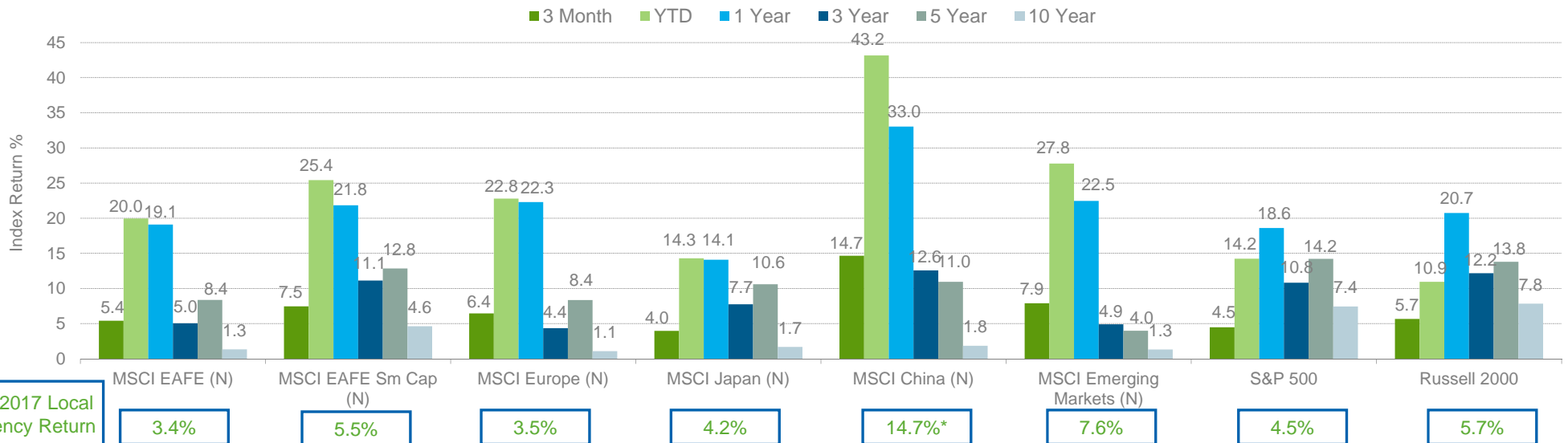


DM: Developed Markets. EM: Emerging Markets. US – S&P 500 Index, Developed Markets – MSCI EAFE Index, Emerging Markets – MSCI EM Index. NTM: Next 12 months. Source: MSCI, FactSet, Fidelity Investments (AART), as of 9/30/17.



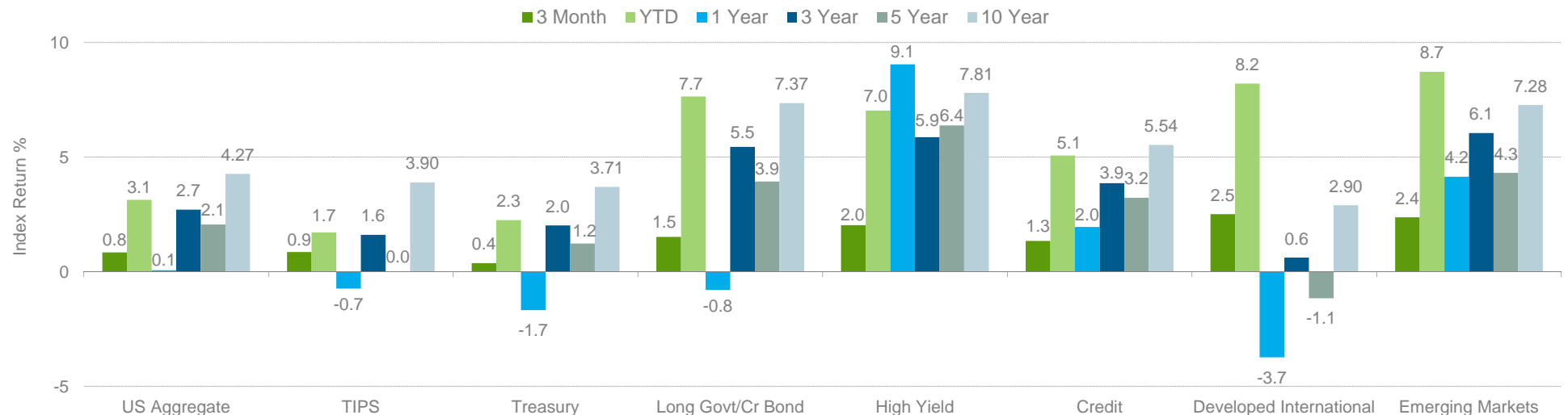
Market performance as of September 30, 2017

Equity Market Returns



Local Currency (LC) returns refers to the return in local currency (i.e. does not include any impact due to currency exposure). * The MSCI China Index captures large and mid cap representation across China B shares, H shares, Red chips, P chips and foreign listings (e.g. ADRs). B shares trade on the Shanghai and Shenzhen exchanges; they are quoted in foreign currencies (Shanghai USD, Shenzhen HKD). H shares trade on the Hong Kong exchange and other foreign exchanges (HKD). Red chips and P chips are incorporated outside of China and trade on the Hong Kong exchange (HKD). Source: Factset, Morningstar as of 9/30/17. 3, 5 and 10 year performance numbers are annualized total returns as of 9/30/17.

Fixed Income Market Returns



The above sectors are represented by the following indexes: Aggregate – Bloomberg Barclays Aggregate Bond Index; Agency – Bloomberg Barclays US Agency Index; TIPS – Bloomberg Barclays US TIPS Index; Treasury – Bloomberg Barclays Treasury Index; Long Govt/Cr Bond – Bloomberg Barclays US Long Government/Credit Bond Index; High Yield – BofA ML US HY Master II Constrained Index; Credit – Bloomberg Barclays Credit Bond Index; Developed International: JPM GBI Ex USA Unhedged; Emerging Markets: JPM EMBI Global. Source: Factset, Morningstar as of 9/30/17. 3, 5 and 10 year performance numbers are annualized total returns as of 9/30/17.



Benefits Of Diversification

Calendar Year Total Returns by Various Asset Classes (%)

Diversification does not guarantee a profit or guarantee against loss

1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	YTD 3Q17
Lg Growth 38.7	Emg Mkt 66.4	Cmnty 49.7	Sm Value 14.0	Cmnty 32.1	Emg Mkt 55.8	REIT 31.5	Emg Mkt 34.0	REIT 34.2	Emg Mkt 39.8	Bonds 5.2	Emg Mkt 78.5	Sm Growth 29.1	TIPS 13.6	Emg Mkt 18.2	Sm Growth 43.3	REIT 28.8	Lg Growth 5.7	Sm Value 31.7	Emg Mkt 27.8
EAFE 20.0	Sm Growth 43.1	REIT 26.8	REIT 12.8	TIPS 16.6	Sm Growth 48.5	Emg Mkt 25.6	Cmnty 25.6	Emg Mkt 32.2	Cmnty 32.7	Cash 1.8	High Yield 57.5	REIT 27.0	Bonds 7.8	Sm Value 18.1	Sm Value 34.5	Lg Value 13.5	REIT 1.3	High Yield 17.5	Lg Growth 20.7
Lg Value 15.6	Cmnty 40.9	Sm Value 22.8	Bonds 8.4	Bonds 10.3	Sm Value 46.0	Sm Value 22.3	EAFE 13.5	EAFE 26.3	Lg Growth 11.8	TIPS -2.4	Lg Growth 37.2	Sm Value 24.5	REIT 7.5	Lg Value 17.5	Lg Growth 33.5	Lg Growth 13.1	Bonds 0.6	Lg Value 17.3	EAFE 20.0
Balanced 14.9	Lg Growth 33.2	TIPS 13.2	TIPS 7.9	REIT 3.6	EAFE 38.6	EAFE 20.3	REIT 12.1	Sm Value 23.5	TIPS 11.6	Balanced -19.4	Sm Growth 34.5	Emg Mkt 18.9	High Yield 4.4	EAFE 17.3	Lg Value 32.5	Balanced 6.0	Balanced 0.5	Cmnty 11.4	Sm Growth 16.8
Bonds 8.7	EAFE 27.0	Bonds 11.6	High Yield 4.5	Cash 1.7	REIT 36.7	Cmnty 17.3	Lg Value 7.1	Lg Value 22.3	EAFE 11.2	High Yield -26.4	EAFE 31.8	Lg Growth 16.7	Lg Growth 2.6	REIT 16.5	EAFE 22.8	Bonds 6.0	Cash 0.0	Sm Growth 11.3	Balanced 9.0
Cash 5.1	Balanced 9.6	Lg Value 7.0	Cash 4.1	High Yield -1.9	Lg Value 30.0	Lg Value 16.5	Balanced 5.7	Sm Growth 13.4	Balanced 7.1	Sm Value -28.9	REIT 26.3	Lg Value 15.5	Balanced 2.0	High Yield 15.6	Balanced 13.5	Sm Growth 5.6	EAFE -0.8	Emg Mkt 11.2	Lg Value 7.9
TIPS 4.0	Lg Value 7.4	Cash 6.0	Emg Mkt -2.6	Balanced -5.8	Lg Growth 29.8	Sm Growth 14.3	Lg Growth 5.3	High Yield 11.8	Sm Growth 7.1	Lg Value -36.9	Sm Value 20.6	High Yield 15.2	Lg Value 0.4	Lg Growth 15.3	High Yield 7.4	Sm Value 4.2	Sm Growth -1.4	REIT 7.1	High Yield 7.0
High Yield 3.0	Cash 4.7	Balanced 1.5	Balanced -3.3	Emg Mkt -6.2	High Yield 28.2	High Yield 10.9	Sm Value 4.7	Balanced 11.6	Bonds 7.0	Lg Growth -38.4	Lg Value 19.7	Balanced 10.5	Cash 0.1	Sm Growth 14.6	REIT 1.3	TIPS 3.6	TIPS -1.44	Lg Growth 7.1	Sm Value 5.7
Sm Growth 1.2	High Yield 2.5	High Yield -5.1	Lg Value -5.6	Sm Value -11.4	Cmnty 20.7	Balanced 9.3	Sm Growth 4.2	Lg Growth 9.1	Cash 4.7	Sm Growth -38.5	Balanced 17.3	Cmnty 9.0	Cmnty -1.18	Balanced 10.2	Cash 0.1	High Yield 2.5	Lg Value -3.8	Balanced 5.8	Bonds 3.1
Sm Value -6.5	TIPS 2.4	EAFE -14.2	Sm Growth -9.23	Lg Value -15.5	Balanced 18.0	TIPS 8.5	Cash 3.0	Cash 4.8	High Yield 2.2	REIT -39.1	Cmnty 13.5	EAFE 7.8	Sm Growth -2.9	TIPS 7.0	Cmnty -1.2	Cash 0.0	High Yield -4.6	TIPS 4.7	REIT 2.7
REIT -16.9	Bonds -0.8	Lg Growth -22.4	Lg Growth -20.4	EAFE -15.9	TIPS 8.4	Lg Growth 6.3	TIPS 2.8	Bonds 4.3	Lg Value -0.2	EAFE -43.4	TIPS 11.4	Bonds 6.5	Sm Value -5.5	Bonds 4.2	Bonds -2.0	Emg Mkt -2.2	Sm Value -7.5	Bonds 2.6	TIPS 1.7
Emg Mkt -25.3	Sm Value -1.5	Sm Growth -22.4	EAFE -21.4	Lg Growth -27.9	Bonds 4.1	Bonds 4.3	High Yield 2.7	TIPS 0.4	Sm Value -9.8	Cmnty -46.5	Bonds 5.9	TIPS 6.3	EAFE -12.1	Cash 0.1	Emg Mkt -2.6	EAFE -4.9	Emg Mkt -14.9	EAFE 1.0	Cash 0.6
Cmnty -35.8	REIT -4.6	Emg Mkt -30.8	Cmnty -31.9	Sm Growth -30.3	Cash 1.1	Cash 1.2	Bonds 2.4	Cmnty -15.1	REIT -17.8	Emg Mkt -53.3	Cash 0.2	Cash 0.1	Emg Mkt -18.4	Cmnty 0.1	TIPS -8.6	Cmnty -33.1	Cmnty -32.7	Cash 0.3	Cmnty -3.8

Mutual Fund Flows by Asset Class (\$ billions)

Morningstar Category	3 Month	1 Year	3 Year	Net Assets
Total Equity	17.3	235.6	466.0	10,290
Total Bond	68.5	325.8	586.4	4,279
Money Market	59.8	331.7	834.8	2,205
US Equity	(22.2)	57.7	47.1	7,290
International Equity	39.5	177.9	418.9	3,001
Diversified EM	8.6	42.2	53.7	524

Morningstar Category	3 Month	1 Year	3 Year	Net Assets
Taxable Bond	60.9	317.9	489.4	3,589
Municipal Bond	7.6	7.9	96.9	689
High Yield Bond	(2.3)	(10.4)	(7.4)	317
Target Date	9.3	72.1	200.3	904
Allocation	(6.3)	(35.0)	(78.3)	1,315
Commodities	(0.4)	(4.3)	11.4	93

Morningstar's estimated net flow in/out of US open-end mutual funds (excludes Exchange Traded Funds). Data represents all distribution channels (retail and institutional). Source: Morningstar as of 8/31/17.

Large Growth – Russell 1000 Growth Index; Large Value – Russell 1000 Value Index; Small Growth – Russell 2000 Growth Index; Small Value – Russell 2000 Value Index; EAFE – MSCI EAFE Index; Emerging Markets – MSCI Emerging Markets Index; High Yield – Merrill Lynch U.S. High Yield Master II Index; Bonds – Bloomberg Barclays Aggregate Bond Index; TIPS – Bloomberg Barclays US Treasury Inflation Protected Notes (TIPS) Index; Commodities – S&P GS Commodity Index; REIT - MSCI US REIT Index; Cash – Citigroup 3 month T-Bill. The “Balanced” portfolio is re-balanced monthly and assumes the following weights: 35% DJ US Total Stock Market, 15% MSCI EAFE, 40% US Bloomberg Barclays Aggregate Bond and 10% Bloomberg Barclays 3-Month T-Bill.

Source: Morningstar as of 9/30/17. Indices are unmanaged and you cannot invest directly in an index.

Please refer to the Market Perspective Notes for risk disclosures. Past performance is no guarantee of future results.



Market Perspective Notes

Third-party marks are the property of their respective owners; all other marks are the property of FMR LLC.

The S&P 500 Sector Indices are constructed using the Global Industry Classification Standard (GICS), a widely accepted industry analysis framework for investment research, portfolio management and asset allocation jointly developed and maintained by MSCI and Standard & Poor's.

References to specific security, sector or investment strategy should not be construed as recommendations or investment advice. The statements and opinions are expressed as of September 30, 2017 and subject to change at any time, based on market and other conditions.

Past performance is no guarantee of future results. Indices are unmanaged and you cannot invest directly in an index.

Keep in mind that investing involves risk. The value of your investment will fluctuate over time and you may gain or lose money.

Investment Risks:

Stock markets, especially foreign markets, are volatile and can decline significantly in response to adverse issuer, political, regulatory, market, or economic developments.

The securities of smaller, less well-known companies can be more volatile than those of larger companies.

Foreign investments, especially those in emerging markets, involve greater risk and may offer greater potential returns than U.S. investments. This risk includes political and economic uncertainties of foreign countries, as well as the risk of currency fluctuation. Investments in smaller companies may involve greater risks than those in larger, more well known companies.

In general the bond market is volatile, and fixed income securities carry interest rate risk. (As interest rates rise, bond prices usually fall, and vice versa. This effect is usually more pronounced for longer-term securities.) Fixed income securities also carry inflation risk and credit and default risks for both issuers and counterparties. Unlike individual bonds, most bond funds do not have a maturity date, so avoiding losses caused by price volatility by holding them until maturity is not possible. The value of inflation-protected debt securities tends to change less due to changes in inflation than other types of bonds but may decrease with decreases in inflation or, as with other debt securities, with increases in interest rates.

Lower-quality debt securities involve greater risk of default or price changes due to potential changes in the credit quality of the issuer.

For Plan Sponsor Use Only

Fidelity Brokerage Services LLC, Member NYSE, SIPC, 900 Salem Street, Smithfield, RI 02917

Fidelity Investments Institutional Services Company, Inc., 500 Salem Street, Smithfield, RI 02917

Investment Spectrum



Important Information About Investment Risks and Risk Spectrums

Placement of investment options within each risk spectrum is only in relation to the investment options within that specific spectrum. Placement does not reflect risk relative to the investment options shown in the other risk spectrums.

Risk Spectrum for Lifecycle Investment Options: Lifecycle investment options are represented on a separate spectrum because they are generally designed for investors expecting to retire around the year indicated in each investment's name. The investments are managed to gradually become more conservative over time. The investment risks of each lifecycle investment change over time as its asset allocation changes. They are subject to the volatility of the financial markets, including equity and fixed income investments in the U.S. and abroad and may be subject to risks associated with investing in high yield, small cap and foreign securities. Principal investment is not guaranteed at any time, including at or after their target dates.

Risk Spectrum for General Investment Options: This spectrum, with the exception of the Domestic Equity category, is based on Fidelity's analysis of the characteristics of the general investment categories and not on the actual investment options and their holdings, which can change frequently. Investment options in the Domestic Equity category are based on the options' Morningstar categories as of the date indicated. Morningstar categories are based on a fund's style as measured by its underlying portfolio holdings over the past three years and may change at any time. These style calculations do not represent the investment options' objectives and do not predict the investment options' future styles. Investment options are listed in alphabetical order within each investment category. Risk associated with the investment options can vary significantly within each particular investment category and the relative risk of categories may change under certain economic conditions. For a more complete discussion of risk associated with the mutual fund options, please read the prospectuses before making your investment decisions. The spectrum does not represent actual or implied performance.

Any product indicated as being on a watch list has been previously placed in this status by the plan sponsor. This may indicate that a product is subject to additional due diligence by the plan sponsor. This does not indicate a product that is being recommended to be placed on a watch list.

Investment Risks:

Unless specifically stated otherwise in their detailed descriptions, principal invested in any of the Plan's investment options is not guaranteed at any time, including near or during retirement.

The investment risks of each lifecycle fund changes over time as its asset allocation changes. They are subject to the volatility of the financial markets, including equity and fixed income investments in the U.S. and abroad and may be subject to risks associated with investing in high yield, small cap and foreign securities.

Stock markets, especially foreign markets, are volatile and can decline significantly in response to adverse issuer, political, regulatory, market, or economic developments.

Foreign securities are subject to interest-rate, currency-exchange-rate, economic, and political risks, all of which are magnified in emerging markets. These risks are particularly significant for funds that focus on a single country or region.

In general the bond market is volatile, and fixed income securities carry interest rate risk. (As interest rates rise, bond prices usually fall, and vice versa. This effect is usually more pronounced for longer-term securities.) Fixed income securities also carry inflation risk and credit and default risks for both issuers and counterparties. Unlike individual bonds, most bond funds do not have a maturity date, so avoiding losses caused by price volatility by holding them until maturity is not possible.

Investments in lower-quality debt securities generally offer higher yields, but also involve greater risk of default or price changes due to potential changes in the credit quality of the issuer.

Investments in smaller companies may involve greater risks than those in larger, more well known companies.

Because of their narrow focus, sector funds may be more volatile than funds that diversify across many sectors.

Investments in mortgage securities are subject to the risk that principal will be repaid prior to maturity. As a result, when interest rates decline, gains may be reduced, and when interest rates rise, losses may be greater.

(If applicable) Your company stock investment option is neither a mutual fund nor a diversified or managed investment option.

Please see Fund Diagnostics Summary section for important information on Money Market Mutual Funds.

Investment Options Spectrum – as of 09/30/2017

STATE OF VERMONT – 37566

Total Plan Assets: \$65,963,100
Total Plan Participants: 611

For each risk spectrum below, categories/investment options to the left have potentially more inflation risk and less investment risk

For each risk spectrum below, categories/investment options to the right have potentially less inflation risk and more investment risk

Risk Spectrum for Lifecycle Funds								
46.9%	FID FREEDOM INC K (0.3%, 5) FID FREEDOM 2005 K (0.5%, 4) FID FREEDOM 2010 K (4.0%, 20) FID FREEDOM 2015 K (2.4%, 27) FID FREEDOM 2020 K (14.1%, 90)		FID FREEDOM 2025 K (4.8%, 51) FID FREEDOM 2030 K (8.2%, 91) FID FREEDOM 2035 K (5.2%, 57)		FID FREEDOM 2040 K (3.4%, 55) FID FREEDOM 2045 K (2.2%, 56) FID FREEDOM 2050 K (1.8%, 70)			
Risk Spectrum for General Investment Options								
Money Market or Short-Term	Managed Income or Stable Value	Bond	Balanced/ Hybrid	Domestic Equity			International/Global Equity	Specialty
	MIP CL 1 (4.9%, 78)	<u>Diversified</u> PIM TOTAL RT INST (3.3%, 53) VANG TOT BD MKT ADM (1.8%, 30) PIM TOT RTN ESG INST (0.8%, 11)	AMERICAN BALANCED R4 (3.8%, 35) VANG BAL INDEX ADM (1.0%, 19) FID PURITAN K (0.3%, 6)	<u>Large Value</u> TRP EQUITY INCOME (2.0%, 36) <u>Mid Value</u> FID LOW PRICED STK K (3.1%, 44) <u>Small Value</u>	<u>Large Blend</u> FID 500 INDEX PR (10.7%, 106) DOMINI IMPACT EQ R (3.7%, 48) FID DIVIDEND GR K (3.6%, 53) <u>Mid Blend</u> FID EXT MKT IDX PR (4.7%, 71) <u>Small Blend</u> FID SM CAP DISCOVERY (3.1%, 65)	<u>Large Growth</u> FID BLUE CHIP GR K (1.3%, 31) <u>Mid Growth</u> J H TRITON I (1.1%, 25) <u>Small Growth</u>	<u>Diversified</u> FID INTL DISCOVERY K (3.0%, 61) VANG TOT INTL STK AD (0.6%, 21) COL/ACORN INTL Z (0.3%, 12) PAX GLB ENV MKT IS (0.1%, 4)	

Numbers left of spectrums represent percent of assets for that group of investment options. Numbers in parentheses represent percent of assets and number of participants in the investment option.



Investment Analysis



Fund Diagnostics Summary – as of 09/30/2017

Understanding investment performance: As you review this update, please remember that the performance data stated represents past performance, which does not guarantee future results. Investment return and principal value of an investment will fluctuate; therefore, you may have a gain or loss when you sell your shares. Current performance may be higher or lower than the performance stated. To learn more or to obtain the most recent month-end performance, call Fidelity or visit www.401k.com (log in, choose plan, select “Investment Choices & Research”, and then pick investment option.)

% Rank in Category is the fund's total-return percentile rank relative to all funds that have the same Morningstar Category. The highest (or most favorable) percentile rank is one and the lowest (or least favorable) percentile rank is 100. The top-performing fund in a category will always receive a rank of one. The number in parentheses represents the number of funds in the category. % Rank in Category is based on total returns, which include reinvested dividends and capital gains, if any, and exclude sales charges.

Total returns are historical and include change in share value and reinvestment of dividends and capital gains, if any. Cumulative total returns are reported as of the period indicated. Life of Fund figures are reported as of the inception date to the period indicated. These figures do not include the effect of sales charges, if any, as these charges are waived for contributions made through your company's employee benefit plans. If sales charges were included, returns would have been lower.

Pre-inception returns: The analysis on these pages may be based, in part, on historical returns for periods prior to the class's actual inception. Generally, these calculated returns reflect the historical performance of an older share class of the investment, which may be adjusted to reflect the fees and expenses of the newer share class. Pre-inception returns are not actual returns and return calculation methodologies utilized by Morningstar, other entities and the investment option may differ. Pre-inception returns generally will be replaced by the actual returns of the newer share class over time. Please click on dedicated web page or refer to the fund prospectus or plan information for specific information regarding fees, expenses and returns.

If Morningstar category performance, count and expense information is displayed for a non SEC registered product, please note this information is for comparison purposes only as non SEC registered products are not included within the respective Morningstar category.

Non SEC registered products in the variable annuity universe will display with Morningstar category performance, count, expense and rank information. These products are included within the Morningstar category for the variable annuity universe; thus, they are ranked within the category.

NOTE: Please see page(s) at the end of the Investment Analysis section for additional information regarding fund performance, fees, and expenses.

Important Information About Money Market Mutual Funds

Fidelity Government Mutual Fund Money Market: *You could lose money by investing in a money market fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Fidelity Investments and its affiliates, the fund's sponsor, have no legal obligation to provide financial support to money market funds and you should not expect that the sponsor will provide financial support to the fund at any time.*

Fidelity's government and U.S. Treasury money market funds will not impose a fee upon the sale of your shares, nor temporarily suspend your ability to sell shares if the fund's weekly liquid assets fall below 30% of its total assets because of market conditions or other factors.

Non-Fidelity Government Mutual Fund Money Market: *You could lose money by investing in a money market fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to money market funds and you should not expect that the sponsor will provide financial support to the fund at any time.*

The fund may impose a fee upon the sale of your shares or may temporarily suspend your ability to sell shares if the fund's weekly liquid assets fall below 30% of its total assets because of market conditions or other factors. Any applicable funds will be detailed at the end of the Investment Analysis section. Please see Important Additional Information / Other Information.

Fidelity Institutional Mutual Fund Money Market: *You could lose money by investing in a money market fund. Because the share price of the fund will fluctuate, when you sell your shares they may be worth more or less than what you originally paid for them. The Fund may impose a fee upon the sale of your shares or may temporarily suspend your ability to sell shares if the Fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Fidelity Investments and its affiliates, the fund's sponsor, have no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.*

Non-Fidelity Institutional Mutual Fund Money Market: *You could lose money by investing in a money market fund. Because the share price of the fund will fluctuate, when you sell your shares they may be worth more or less than what you originally paid for them. The Fund may impose a fee upon the sale of your shares or may temporarily suspend your ability to sell shares if the Fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.*

Fidelity Retail Mutual Fund Money Market: *You could lose money by investing in a money market fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. The Fund may impose a fee upon the sale of your shares or may temporarily suspend your ability to sell shares if the Fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Fidelity Investments and its affiliates, the fund's sponsor, have no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.*

Non-Fidelity Retail Mutual Fund Money Market: *You could lose money by investing in a money market fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. The Fund may impose a fee upon the sale of your shares or may temporarily suspend your ability to sell shares if the Fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund and you should not expect that the sponsor will provide financial support to the fund at any time.*

Fund Diagnostics Summary – as of 09/30/2017

STATE OF VERMONT - 37566

+ Non SEC Registered Product Indicator

SEC Registered Product

% Rank in Category

% Rank is less than or equal to 50%

% Rank is greater than or equal to 75%

SEC Registered Product

Expense Ratio

Expense Ratio Aft Red is greater than Cat Avg

Product Name Benchmark(s) Morningstar Category	YTD Cum Ret %	QE Cum Ret %	1 Yr Avg Ann Tot Ret %	% Rank in Cat/ (Count)	3 Yr Avg Ann Tot Ret %	% Rank in Cat/ (Count)	5 Yr Avg Ann Tot Ret	% Rank in Cat/ (Count)	10 Yr/LOF Avg Ann Tot Ret %	% Rank in Cat/ (Count)	Incept Date	Gross Expense Ratio	Expense Ratio Aft Red	ST Trade Fee (%/days)
Asset Class: Managed Income (or Stable Value)														
+ MIP CL 1	0.94	0.33	1.25	-	1.21	-	1.12	-	1.57	-	9/7/89	0.77		
7-Day Yield* % as of 09/30/2017:1.31														
BBgBarc 3M t-bill	0.58	0.27	0.67		0.33		0.24		0.51					
Asset Class: Bond														
Diversified														
PIM TOT RTN ESG INST	4.57	1.55	2.17	13%	3.00	26%	2.22	43%	5.40	9%	5/1/91	0.59	0.5	
BBgBarc U.S. Agg Bond	3.14	0.85	0.07		2.71		2.06		4.27					
Morningstar: Intermediate-Term Bond (Count)	3.40	0.88	0.83	(985)	2.51	(852)	2.12	(773)	4.26	(546)		1.27	0.78	
PIM TOTAL RT INST	5.01	1.50	2.43	10%	3.22	15%	2.43	32%	5.63	5%	5/11/87	0.51	0.46	
BBgBarc U.S. Agg Bond	3.14	0.85	0.07		2.71		2.06		4.27					
Morningstar: Intermediate-Term Bond (Count)	3.40	0.88	0.83	(985)	2.51	(852)	2.12	(773)	4.26	(546)		1.27	0.78	
VANG TOT BD MKT ADM	3.14	0.73	-0.13	81%	2.62	45%	1.97	59%	4.22	58%	12/11/86	0.05	0.05	
BBgBarc Agg Float Adj	3.21	0.83	0.06		2.72		2.07							
Vanguard Spliced Barclays U.S. Aggregate Float Adjusted Index	3.21	0.83	0.06		2.72		2.07		4.30					
Morningstar: Intermediate-Term Bond (Count)	3.40	0.88	0.83	(985)	2.51	(852)	2.12	(773)	4.26	(546)		1.27	0.78	
Asset Class: Balanced/Hybrid														
AMERICAN BALANCED R4	10.45	3.55	12.38	19%	7.93	4%	10.32	4%	6.65	12%	7/25/75	0.64	0.64	
S&P 500	14.24	4.48	18.61		10.81		14.22		7.44					
BBgBarc U.S. Agg Bond	3.14	0.85	0.07		2.71		2.06		4.27					
Morningstar: Allocation--50% to 70% Equity (Count)	9.40	3.01	10.52	(821)	5.38	(725)	7.51	(664)	5.07	(458)		1.37	1.16	
FID PURITAN K	13.59	4.48	14.03	8%	7.83	5%	10.23	4%	6.60	13%	4/16/47	0.46	0.46	
S&P 500	14.24	4.48	18.61		10.81		14.22		7.44					
Fid Puritan Composite Idx	9.70	3.02	10.90		7.65		9.34		6.20					
Morningstar: Allocation--50% to 70% Equity (Count)	9.40	3.01	10.52	(821)	5.38	(725)	7.51	(664)	5.07	(458)		1.37	1.16	
VANG BAL INDEX ADM	9.55	3.02	10.81	48%	7.57	8%	9.28	14%	6.64	13%	11/9/92	0.07	0.07	
Balanced Composite	9.56	3.06	10.93		7.60		9.34							
MSCI US Broad Mkt (G)	13.97	4.53	18.67		10.78		14.26		7.72					
Morningstar: Allocation--50% to 70% Equity (Count)	9.40	3.01	10.52	(821)	5.38	(725)	7.51	(664)	5.07	(458)		1.37	1.16	

*The current yield of the fund listed above reflects the current earnings of the fund, while the total return refers to a specific past holding period.

Fund Diagnostics Summary – as of 09/30/2017

STATE OF VERMONT - 37566

SEC Registered Product

% Rank in Category

% Rank is less than or equal to 50%

% Rank is greater than or equal to 75%

SEC Registered Product

Expense Ratio

Expense Ratio Aft Red is greater than Cat Avg

+ Non SEC Registered Product Indicator

Product Name Benchmark(s) Morningstar Category	YTD Cum Ret %	QE Cum Ret %	1 Yr Avg Ann Tot Ret %	% Rank in Cat/ (Count)	3 Yr Avg Ann Tot Ret %	% Rank in Cat/ (Count)	5 Yr Avg Ann Tot Ret	% Rank in Cat/ (Count)	10 Yr/LOF Avg Ann Tot Ret %	% Rank in Cat/ (Count)	Incept Date	Gross Expense Ratio	Expense Ratio Aft Red	ST Trade Fee (%/days)
Asset Class: Domestic Equities														
Large Value														
TRP EQUITY INCOME	10.18	4.37	18.25	29%	8.11	51%	11.76	68%	6.01	43%	10/31/85	0.66	0.66	
S&P 500	14.24	4.48	18.61		10.81		14.22		7.44					
Morningstar: Large Value (Count)	9.41	3.80	16.17	(1,269)	7.99	(1,108)	12.23	(962)	5.72	(689)		1.33	1.05	
Large Blend														
DOMINI IMPACT EQ R	10.26	4.51	14.74	83%	5.77	94%	11.20	86%	6.31	62%	6/3/91	0.76	0.76	2.00/30
S&P 500	14.24	4.48	18.61		10.81		14.22		7.44					
Morningstar: Large Blend (Count)	13.19	4.19	17.65	(1,396)	9.03	(1,218)	12.91	(1,083)	6.58	(799)		1.28	0.99	
FID 500 INDEX PR	14.22	4.48	18.57	36%	10.77	14%	14.18	18%	7.40	22%	2/17/88	0.035	0.035	
S&P 500	14.24	4.48	18.61		10.81		14.22		7.44					
Morningstar: Large Blend (Count)	13.19	4.19	17.65	(1,396)	9.03	(1,218)	12.91	(1,083)	6.58	(799)		1.28	0.99	
FID DIVIDEND GR K	11.82	4.06	15.56	77%	7.76	79%	12.45	70%	6.70	55%	4/27/93	0.41	0.41	
S&P 500	14.24	4.48	18.61		10.81		14.22		7.44					
Morningstar: Large Blend (Count)	13.19	4.19	17.65	(1,396)	9.03	(1,218)	12.91	(1,083)	6.58	(799)		1.28	0.99	
Large Growth														
FID BLUE CHIP GR K	27.10	6.38	25.12	10%	13.18	14%	16.95	8%	10.45	4%	12/31/87	0.59	0.59	
Russell 1000 Growth	20.72	5.90	21.94		12.69		15.26		9.08					
Morningstar: Large Growth (Count)	19.85	5.29	19.75	(1,398)	10.36	(1,259)	13.70	(1,125)	7.55	(800)		1.46	1.12	
Mid Value														
FID LOW PRICED STK K	13.23	5.03	17.01	29%	8.54	49%	12.92	58%	8.22	25%	12/27/89	0.58	0.58	
Russell 2000	10.94	5.67	20.74		12.18		13.79		7.85					
Morningstar: Mid-Cap Value (Count)	7.46	3.06	14.83	(410)	7.90	(363)	12.71	(319)	6.85	(226)		1.87	1.14	
Mid Blend														
FID EXT MKT IDX PR	12.71	4.99	19.08	18%	10.46	24%	14.13	27%	8.41	27%	11/5/97	0.07	0.07	
DJ US Completion TSM	12.66	4.95	18.91		10.27		13.97		8.27					
Morningstar: Mid-Cap Blend (Count)	9.92	3.57	15.93	(433)	8.00	(354)	12.86	(321)	6.86	(215)		2.31	1.11	

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Fund Diagnostics Summary – as of 09/30/2017

STATE OF VERMONT - 37566

SEC Registered Product

% Rank in Category

% Rank is less than or equal to 50%

% Rank is greater than or equal to 75%

SEC Registered Product

Expense Ratio

Expense Ratio Aft Red is greater than Cat Avg

+ Non SEC Registered Product Indicator

Product Name Benchmark(s) Morningstar Category	YTD Cum Ret %	QE Cum Ret %	1 Yr Avg Ann Tot Ret %	% Rank in Cat/ (Count)	3 Yr Avg Ann Tot Ret %	% Rank in Cat/ (Count)	5 Yr Avg Ann Tot Ret	% Rank in Cat/ (Count)	10 Yr/LOF Avg Ann Tot Ret %	% Rank in Cat/ (Count)	Incept Date	Gross Expense Ratio	Expense Ratio Aft Red	ST Trade Fee (%/days)
Small Blend														
FID SM CAP DISCOVERY	3.61	1.52	13.74	91%	8.97	72%	13.23	55%	11.59	1%	9/26/00	0.87	0.87	1.50/90
<i>Russell 2000</i>	10.94	5.67	20.74		12.18		13.79		7.85					
Morningstar: Small Blend (Count)	8.45	5.10	18.91	(794)	10.01	(653)	12.83	(554)	7.19	(393)		2.03	1.2	
Small Growth														
J H TRITON I	20.32	5.74	21.52	33%	14.11	18%	16.11	10%	11.01	2%	2/25/05	0.78	0.78	
<i>Russell 2500 Growth</i>	17.03	5.78	20.07		11.27		14.46		8.72					
<i>Russell 2000 Growth</i>	16.81	6.22	20.98		12.17		14.28		8.47					
Morningstar: Small Growth (Count)	15.93	5.62	20.40	(674)	11.15	(597)	13.02	(532)	7.57	(399)		1.62	1.29	
Asset Class: International/Global Diversified														
COL/ACORN INTL Z	24.35	4.87	13.73	92%	5.31	90%	7.91	88%	3.72	65%	9/23/92	1.01	1.01	
<i>MSCI ACW SMID ex US</i>	23.28	6.59	19.13		7.84		9.37		3.17					
Morningstar: Foreign Small/Mid Growth (Count)	28.32	7.93	19.76	(132)	9.57	(111)	11.11	(102)	4.32	(62)		2.09	1.48	
FID INTL DISCOVERY K	26.75	7.33	19.75	31%	7.41	36%	9.50	27%	2.29	48%	12/31/86	0.86	0.86	
<i>MSCI EAFE (Net MA)</i>	20.18	5.43	19.34		5.23		8.55		1.50					
Morningstar: Foreign Large Growth (Count)	25.37	6.51	18.47	(396)	6.96	(325)	8.81	(280)	2.25	(192)		4.04	1.23	
PAX GLB ENV MKT IS	20.39	4.41	17.94	60%	10.19	31%	12.86	32%	6.40	-	3/27/08	1.04	0.98	
<i>MSCI World (N)</i>	16.01	4.84	18.17		7.69		10.99		5.71					
Morningstar: World Small/Mid Stock (Count)	19.07	5.70	19.81	(160)	8.59	(119)	11.62	(104)		(56)		2.09	1.46	
VANG TOT INTL STK AD	21.62	5.95	19.27	36%	5.31	43%	7.49	57%	1.31	45%	4/29/96	0.11	0.11	
<i>FTSE Global All Cap x US</i>	21.22	6.09	19.72		5.56		7.77		2.06					
<i>MSCI ACWI ex US IMI (N)</i>	21.47	6.27	19.55		5.16		7.32		1.59					
Morningstar: Foreign Large Blend (Count)	20.33	5.34	18.01	(736)	5.07	(598)	7.74	(533)	1.22	(344)		1.82	1.08	

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Fund Diagnostics Summary – as of 09/30/2017

STATE OF VERMONT - 37566

+ Non SEC Registered Product Indicator

SEC Registered Product

% Rank in Category

% Rank is less than or equal to 50%

% Rank is greater than or equal to 75%

SEC Registered Product

Expense Ratio

Expense Ratio Aft Red is greater than Cat Avg

Product Name Benchmark(s) Morningstar Category	YTD Cum Ret %	QE Cum Ret %	1 Yr Avg Ann Tot Ret %	% Rank in Cat/ (Count)	3 Yr Avg Ann Tot Ret %	% Rank in Cat/ (Count)	5 Yr Avg Ann Tot Ret	% Rank in Cat/ (Count)	10 Yr/LOF Avg Ann Tot Ret %	% Rank in Cat/ (Count)	Incept Date	Gross Expense Ratio	Expense Ratio Aft Red	ST Trade Fee (%/days)
Asset Class: Lifecycle Funds														
FID FREEDOM INC K	6.39	1.97	5.48	66%	4.07	45%	3.99	64%	3.74	63%	10/17/96	0.42	0.42	
<i>BBgBarc U.S. Agg Bond</i>	3.14	0.85	0.07		2.71		2.06		4.27					
<i>FID FF Income Comp Idx</i>	5.34	1.67	4.56		3.56		3.84		3.55					
Morningstar: Target-Date Retirement (Count)	6.68	2.07	5.83	(178)	3.87	(144)	4.22	(125)	3.81	(70)		2.48	0.81	
FID FREEDOM 2005 K	8.12	2.44	7.51	50%	4.96	37%	5.32	75%	3.71	63%	11/6/03	0.44	0.44	
<i>BBgBarc U.S. Agg Bond</i>	3.14	0.85	0.07		2.71		2.06		4.27					
<i>FID FF 2005 Comp Idx</i>	6.88	2.14	6.53		4.47		5.38		3.91					
Morningstar: Target-Date 2000-2010 (Count)	7.74	2.40	7.10	(108)	4.66	(88)	5.51	(66)	3.89	(54)		1.2	0.73	
FID FREEDOM 2010 K	9.56	2.86	9.21	7%	5.67	6%	6.38	20%	4.43	29%	10/17/96	0.47	0.47	
<i>BBgBarc U.S. Agg Bond</i>	3.14	0.85	0.07		2.71		2.06		4.27					
<i>FID FF 2010 Comp Idx</i>	8.16	2.54	8.15		5.15		6.62		4.80					
Morningstar: Target-Date 2000-2010 (Count)	7.74	2.40	7.10	(108)	4.66	(88)	5.51	(66)	3.89	(54)		1.2	0.73	
FID FREEDOM 2015 K	10.88	3.23	10.81	5%	6.36	1%	6.96	26%	4.53	36%	11/6/03	0.5	0.5	
<i>S&P 500</i>	14.24	4.48	18.61		10.81		14.22		7.44					
<i>FID FF 2015 Comp Idx</i>	9.47	2.95	9.82		5.84		7.27		4.94					
Morningstar: Target-Date 2015 (Count)	8.55	2.65	8.05	(121)	5.01	(90)	6.23	(64)	4.08	(32)		2.66	0.76	
FID FREEDOM 2020 K	11.85	3.51	11.94	6%	6.79	4%	7.51	25%	4.38	44%	10/17/96	0.54	0.54	
<i>S&P 500</i>	14.24	4.48	18.61		10.81		14.22		7.44					
<i>FID FF 2020 Comp Idx</i>	10.37	3.24	10.97		6.31		7.88		4.92					
Morningstar: Target-Date 2020 (Count)	9.26	2.86	8.92	(239)	5.22	(188)	6.40	(155)	4.12	(89)		1.94	0.83	
FID FREEDOM 2025 K	12.63	3.71	13.02	11%	7.17	5%	8.42	28%	4.73	37%	11/6/03	0.57	0.57	
<i>S&P 500</i>	14.24	4.48	18.61		10.81		14.22		7.44					
<i>FID FF 2025 Comp Idx</i>	11.23	3.51	12.07		6.76		8.99		5.51					
Morningstar: Target-Date 2025 (Count)	10.82	3.30	10.85	(210)	5.92	(162)	7.54	(124)	4.42	(57)		2.08	0.81	
FID FREEDOM 2030 K	14.83	4.33	15.75	3%	8.13	1%	9.28	26%	4.61	47%	10/17/96	0.61	0.61	
<i>S&P 500</i>	14.24	4.48	18.61		10.81		14.22		7.44					
<i>FID FF 2030 Comp Idx</i>	13.19	4.09	14.78		7.69		9.89		5.44					
Morningstar: Target-Date 2030 (Count)	12.11	3.69	12.52	(239)	6.49	(188)	8.23	(155)	4.45	(89)		1.97	0.86	

*The current yield of the fund listed above reflects the current earnings of the fund, while the total return refers to a specific past holding period.

Fund Diagnostics Summary – as of 09/30/2017

STATE OF VERMONT - 37566

+ Non SEC Registered Product Indicator

SEC Registered Product

% Rank in Category

% Rank is less than or equal to 50%

% Rank is greater than or equal to 75%

SEC Registered Product

Expense Ratio

Expense Ratio Aft Red is greater than Cat Avg

Product Name Benchmark(s) Morningstar Category	YTD Cum Ret %	QE Cum Ret %	1 Yr Avg Ann Tot Ret %	% Rank in Cat/ (Count)	3 Yr Avg Ann Tot Ret %	% Rank in Cat/ (Count)	5 Yr Avg Ann Tot Ret	% Rank in Cat/ (Count)	10 Yr/LOF Avg Ann Tot Ret %	% Rank in Cat/ (Count)	Incept Date	Gross Expense Ratio	Expense Ratio Aft Red	ST Trade Fee (%/days)
FID FREEDOM 2035 K	16.20	4.70	17.74	4%	8.73	1%	10.13	26%	4.89	44%	11/6/03	0.64	0.64	
S&P 500	14.24	4.48	18.61		10.81		14.22		7.44					
FID FF 2035 Comp Idx	14.67	4.58	16.94		8.36		10.94		5.96					
Morningstar: Target-Date 2035 (Count)	13.46	4.08	14.35	(210)	7.03	(162)	9.12	(124)	4.73	(57)		2.12	0.84	
FID FREEDOM 2040 K	16.38	4.80	17.95	5%	8.78	4%	10.23	33%	4.80	47%	9/6/00	0.64	0.64	
S&P 500	14.24	4.48	18.61		10.81		14.22		7.44					
FID FF 2040 Comp Idx	14.78	4.63	17.07		8.40		11.07		5.88					
Morningstar: Target-Date 2040 (Count)	14.16	4.30	15.27	(239)	7.31	(188)	9.41	(155)	4.73	(89)		2.05	0.88	
FID FREEDOM 2045 K	16.40	4.77	17.89	9%	8.76	8%	10.34	34%	4.80	55%	6/1/06	0.64	0.64	
S&P 500	14.24	4.48	18.61		10.81		14.22		7.44					
FID FF 2045 Comp Idx	14.78	4.63	17.07		8.40		11.19		5.90					
Morningstar: Target-Date 2045 (Count)	14.87	4.50	16.14	(210)	7.57	(162)	9.82	(123)	4.88	(55)		2.22	0.85	
FID FREEDOM 2050 K	16.40	4.75	17.87	10%	8.77	8%	10.39	36%	4.57	67%	6/1/06	0.64	0.64	
S&P 500	14.24	4.48	18.61		10.81		14.22		7.44					
FID FF 2050 Comp Idx	14.78	4.63	17.07		8.40		11.25		5.76					
Morningstar: Target-Date 2050 (Count)	14.92	4.53	16.18	(232)	7.63	(180)	9.81	(144)	4.87	(50)		2.28	0.89	

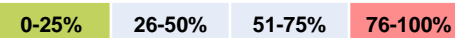
*The current yield of the fund listed above reflects the current earnings of the fund, while the total return refers to a specific past holding period.

Mutual Funds by Expense Ratio after Reductions: Approximate Rank by Quartile— as of 09/30/2017

STATE OF VERMONT - 37566

Fidelity Rank In Cat	Mstar Cat Count	Fund Name	Exp Ratio After Red	% Total Plan Assets
1%	795	VANG BAL INDEX ADM	0.07	1.0%
2%	1378	FID 500 INDEX PR	0.035	10.7%
3%	414	FID EXT MKT IDX PR	0.07	4.7%
3%	985	VANG TOT BD MKT ADM	0.05	1.8%
4%	738	VANG TOT INTL STK AD	0.11	0.6%
5%	400	FID LOW PRICED STK K	0.58	3.1%
5%	795	FID PURITAN K	0.46	0.3%
7%	692	J H TRITON I	0.78	1.1%
10%	1406	FID BLUE CHIP GR K	0.59	1.3%
11%	137	COL/ACORN INTL Z	1.01	0.3%
13%	795	AMERICAN BALANCED R4	0.64	3.8%
14%	1378	FID DIVIDEND GR K	0.41	3.6%
17%	1254	TRP EQUITY INCOME	0.66	2.0%
17%	165	PAX GLB ENV MKT IS	0.98	0.1%
20%	985	PIM TOTAL RT INST	0.46	3.3%
20%	787	FID SM CAP DISCOVERY	0.87	3.1%
20%	402	FID INTL DISCOVERY K	0.86	3.0%
25%	985	PIM TOT RTN ESG INST	0.5	0.8%
35%	1378	DOMINI IMPACT EQ R	0.76	3.7%

Fidelity Quartile rankings



Top 19 Funds by Asset (with rank) totaling
48.3% of Total Plan Assets

Chart indicates approximate ranking of mutual funds by expense ratios after reductions. The Plan's (or Plans') other investment options are not taken into account. This chart excludes Lifecycle products. Expense reductions may reflect waivers, reimbursements or voluntary caps that expire at any time or on a specific date. See previous pages after Fund Diagnostic Summary for details of expense reductions for each fund.

Expense Ratio after Reduction is the total annual operating expense from the fund's most recent prospectus after any fee waiver and/or expense reimbursements that will reduce any fund operating expenses for no less than one year from the effective date of the fund's registration statement. This number does not include any fee waiver arrangement or expense reimbursement that may be terminated without agreement of the fund's board of trustees during the one-year period.

Approximate rankings are determined by Fidelity on quarterly basis using data available at the time of publication. Fidelity ranks the expense ratio after reductions of each fund within each Morningstar category by first ordering the funds from those with the lowest expenses to those with the highest expenses, and then dividing their numerical order by the number of funds in the category. The highest percentile rank (or most favorable) is 1% and the lowest percentile rank (or least favorable) is 100%. The first quartile represents funds with lower expenses, and the fourth quartile represents funds with higher expenses. Fidelity Quartile Rankings display the funds' quartile rankings within their respective Morningstar categories.

Please see previous Fund Diagnostics for Morningstar Category information.

Although Morningstar gathers information from reliable sources, it cannot guarantee the accuracy, completeness or timeliness of its data. Please refer to the most recent prospectus or annual/semiannual report for the most current and complete information about a fund's fees and expenses.

Important Additional Information

If more than one benchmark is shown, the first listed is the primary benchmark.

The Morningstar Category Average is the average return for the peer group based on the returns of each individual fund within the group, for the period shown. This average assumes reinvestment of dividends and capital gains, if any, and excludes sales charges.

Morningstar, Inc., provided data on the non-Fidelity mutual funds. Although the data is gathered from reliable sources, accuracy and completeness cannot be guaranteed by Morningstar.

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Indices are unmanaged and you cannot invest directly in an index.

Manager Tenure: If a fund has more than one manager, the one with the longest tenure has been used to obtain manager tenure.

Other Information:

FID 500 INDEX PR: Returns prior to October 14, 2005 are those of the Investor Class and reflect the Investors Class' expense ratio. Had the Premium Class' expense ratio been reflected, total returns would have been higher.

FID BLUE CHIP GR K, FID DIVIDEND GR K, FID INTL DISCOVERY K, FID LOW PRICED STK K, FID PURITAN K: On May 9, 2008, an initial offering of the retirement (K) class took place. Returns and expenses prior to that date are those of the non-K, non-advisor class. Had K class expenses been reflected in the returns shown, total returns would have been higher.

FID EXT MKT IDX PR: Returns prior to October 14, 2005 are those of the Investor Class and reflect the Investor Class' expense ratio. Had the Premium Class' expense ratio been reflected, total returns would have been higher.

FID FREEDOM INC K, FID FREEDOM 2005 K, FID FREEDOM 2010 K, FID FREEDOM 2015 K, FID FREEDOM 2020 K, FID FREEDOM 2025 K, FID FREEDOM 2030 K, FID FREEDOM 2035 K, FID FREEDOM 2040 K, FID FREEDOM 2045 K, FID FREEDOM 2050 K: On July 20, 2017, an initial offering of the Fidelity Freedom K class took place. Returns and expenses prior to that date are those of the Freedom (retail) class. Had K class expenses been reflected in the returns shown, total returns would have been higher.

J H TRITON I: As of June 05, 2017, this fund changed its name from Janus Triton Fund Class I.

MIP CL 1: Expense Ratio (Gross) includes management and wrap contract fees. For certain investments, it may also include distribution fees. Please note that the Gross and Net Expense Ratio are the same for this investment.

MIP CL 1: Management Fee includes the costs associated with managing the investments in the pool. The management fee does not include the wrap contract fees, which are paid to third party wrap providers and do not result in any additional compensation to Fidelity. The wrap contract fees are not separately stated but are included in the Expense Ratio and do reduce returns.

MIP CL 1: This investment option is not a mutual fund.

PIM TOT RTN ESG INST: As of January 6, 2017, this fund changed its name from PIMCO Total Return Fund III.

VANG TOT INTL STK AD: The FTSE Global All Cap ex US Index is part of a range of indices designed to help US investors benchmark their international investments. The index comprises large, mid and small cap stocks globally excluding the US.

Additional Information about Fees and Expenses

General Information on Fund Expenses

For a mutual fund, the Gross Expense Ratio is the total annual fund or class operating expenses (before waivers or reimbursements) paid by the fund and stated as a percent of the fund's total net assets. Where the investment option is not a mutual fund, the figure displayed in the Gross Expense Ratio field is intended to reflect similar information. However, it may have been calculated using methodologies that differ from those used for mutual funds and may not include all the fees that mutual fund expense ratios are required to reflect. For mutual funds, the values were drawn from their respective prospectuses. For non-mutual fund investment options, the information has been provided by the trustee or plan sponsor. When no ratio is shown for these options it is due to the fact that none was available. Nevertheless, there may be fees and expenses associated with the investment option.

Expense Ratio after Reduction is the total annual operating expense from the fund's most recent prospectus after any fee waiver and/or expense reimbursements that will reduce any fund operating expenses for no less than one year from the effective date of the fund's registration statement. This number does not include any fee waiver arrangement or expense reimbursement that may be terminated without agreement of the fund's board of trustees during the one-year period.

Morningstar does not provide information on funds in reimbursement. For information on non-Fidelity funds in reimbursement, please contact the applicable fund company.

The returns of funds with reimbursed expenses would be lower if their expenses had not been reimbursed.

Morningstar Category Gross Expense Ratio: This figure is calculated by Morningstar and represents the mean average of the gross expense ratio paid by each fund in the Morningstar category. Each share class of a fund is treated as a separate fund. Morningstar uses each fund's most current, publicly available prospectus at the time the average is calculated.

Morningstar Category's Expense Ratio After Reductions: This figure represents the average expense ratio after reductions paid by the funds in the Morningstar category. Morningstar calculated and provided the average based on information reported in each fund's prospectus.

Specific Fund Expense Information

For Fidelity Funds, if the Expense Ratio after Reduction is lower than the Gross Expense Ratio and no fee cap is provided for below , the difference may be attributable to certain broker service and other offset arrangements which may be discontinued at any time.

Expense Ratios After Reductions information for non-Fidelity mutual funds is provided by Morningstar, Inc. and its accuracy cannot be guaranteed. Consult the prospectus for each fund you are interested in to obtain the most current and detailed information on its fees and expenses.

PAX GLB ENV MKT IS: Contractual Expense Ratio Waiver of 0.06 subject to Expiration Date of 12/31/2018

Glossary

Watch List Product: Any product indicated as being on a watch list has been previously placed in this status by the plan sponsor. This may indicate that a product is subject to additional due diligence by the plan sponsor. This does not indicate a product that is being recommended to be placed on a watch list.

Standard Deviation: Statistical measure of how much a return varies over an extended period of time. The more variable the fund's returns, the larger the fund's standard deviation. A higher standard deviation indicates a wider dispersion of past returns and thus greater historical volatility. Standard deviation indicates the volatility of a portfolio's return over time, not the actual performance of the portfolio. Standard deviation measures volatility independent of a benchmark, and it is annualized.

Sharpe Ratio: A risk-adjusted performance measure that help indicate if returns are due to excess risk. It is calculated by dividing the fund's excess returns (fund's average monthly returns minus the risk-free rate (such as that of the 3-month T-bill)) by the standard deviation of those returns. The higher the ratio, the better the fund's return per unit of risk. The Information Ratio (see definition below) is similar to the Sharpe Ratio. The Sharpe Ratio compares the excess return of an asset against the return of a risk free asset but the Information Ratio compares active return to the fund's most relevant benchmark index. Excess Return denotes the return over the risk-free asset while Active Return denotes the return over the benchmark.

Tracking Error: A measure of the deviation of fund performance from index performance (i.e., the underlying index it is intended to either match or outperform). For example, a fund with a tracking error of 20 basis points has earned the return of the index against which it is tracked, plus or minus 20 basis points, 67% of the time. This 67% represents one standard deviation in what is referred to a "normal distribution" in probability theory and statistics. It is called 'Tracking Error' because it describes how well the portfolio can track the benchmark. The annual tracking error is obtained by multiplying the monthly tracking error by 12.

Information Ratio: Shows the risk-adjusted active return of the fund compared to its benchmark. It's a measure of the amount of risk an investment manager took relative to the fund's benchmark to achieve the fund's Alpha (see definition above). It is calculated by dividing Alpha by the Tracking Error, where Tracking Error is the Standard Deviation (see definition above) of Alpha.

Tracking Error measures the extent to which a fund's returns deviates from its benchmark's returns over time. A high ratio means a manager can achieve higher returns more efficiently than one with a low ratio by taking on additional risk. Additional risk could be achieved through leveraging.

Important Additional Information

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