

2017

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# INVESTMENT OUTLOOK



The global political landscape experienced a seismic shift in 2016 that altered the picture for stocks and bonds. In positioning portfolios for 2017 and beyond:

**Seek income opportunities** beyond traditional sources, ensuring the yield is worth the risk

**Consider investments in real assets** to make portfolios more resilient to the growing risk of inflation

**Look to mitigate headwinds** from episodic volatility with an allocation to gold and lower risk multi-factor smart beta strategies

# WELCOME TO THE “NEW ABNORMAL”

## What Are You Worried About?

The top three concerns of the nearly 850 investment professionals who responded to our survey<sup>1</sup> are what you might expect after a contentious election cycle and slow growth in 2016. However, the bottom three concerns should not be dismissed. If these idiosyncratic events come to fruition, it could pose real challenges to portfolios. These results underscore the need for diversification to mitigate the risks you anticipate, and the ones you don't.

## Top 3 Concerns

- Increasing stock market volatility
- US profit and earnings growth slowdown
- Political gridlock in Washington and the new administration

## Bottom 3 Concerns

- A “hard” Brexit
- Increase in high yield issuer defaults
- Chinese economic hard landing

Slow growth and low (even negative) interest rates have defined the global economy over the last few years. While aggressive monetary policy has been used to reignite growth and fend off disinflationary pressures, the economy has been stuck in low gear peddling uphill.

After years of underwhelming growth that benefited the wealthy but left far too many folks behind, frustrated voters chose what seemed unthinkable. First, the United Kingdom voted to leave the European Union. Then, the US elected an outsider, anti-establishment candidate as president. This surging populist sentiment has huge implications for the way forward and may have created a “New Abnormal.”

We expect modest economic growth in 2017 as monetary policy gives way to fiscal policy and infrastructure spending in the US and potentially elsewhere. In the US, fiscal stimulus, infrastructure spending and tax reform are likely to boost growth and inflation in the short term. All this has longer-term fiscal implications in a world that already has too much debt and where the future remains uncertain.

# TWO OVERARCHING QUESTIONS UNDERScore MARKET UNCERTAINTY

While there will be plenty to monitor and debate as the year unfolds, investors have the task of allocating capital for the future today. These investment decisions should be informed by answers to two big questions we see weighing heavily on investors' minds:

## Are Stocks Overvalued?

The short answer is maybe. The current price-to-book ratio (P/B) ranks in the 58th percentile of monthly P/B levels over the last 20 years (see Figure 1). US stocks are not cheap but they are not overly expensive relative to other time periods. However, this stands in stark contrast to other areas of the world, which are trading well below their median P/B, and their historical rank is in the bottom half percentile. Relative to the US, the rest of the world appears somewhat inexpensive.

Of course, it's also critical to determine whether these valuations are commensurate to the current rate of earnings. And while earnings are improving, they are not thundering along. The US is recovering from a five quarter earnings recession, and outside the US, the earnings picture is not that dissimilar. Prior to the positive earnings growth witnessed in the third quarter, stocks within the MSCI EAFE Index had posted four consecutive quarters of negative growth, with one quarter succumbing to a near 30 percent decline. Underscored by the US and EAFE, it's clear that over the last year global growth has been uneven. But with most major markets reporting higher results as of late, it's fair to assume earnings growth has been revived – however, it may be a result of coming off a lower bottom, and not from organic means.

## Has There Been a Shift in Sentiment?

Yes, there has been a clear rotation of styles. Value has underperformed growth in six of the last seven years. Yet recently, with earnings growth stalled and stock valuations relatively high, inexpensive names have outpaced growth. With the ratio of value to growth above 1, this shift signals a clear risk-on tone by the market (see Figure 2). And that could continue if the Trump administration continues to strike a more pro-cyclical, pro-business tone.

**Figure 1: Relative Global Valuations – Price to Book (P/B)**

|                                  | S&P 500 Index | Russell 2000 Index | MSCI EAFE Index | MSCI Japan Index | MSCI Europe Index | MSCI Emerging Markets Index |
|----------------------------------|---------------|--------------------|-----------------|------------------|-------------------|-----------------------------|
| Current P/B                      | 2.84          | 2.19               | 1.49            | 1.31             | 1.72              | 1.46                        |
| Current 20 Year Percentile Rank  | 58            | 59                 | 15              | 37               | 34                | 34                          |
| 20 Year Median P/B               | 2.80          | 2.12               | 1.92            | 1.51             | 1.88              | 1.54                        |
| Current % Difference from Median | 1.4           | 3.3                | -22.5           | -13.3            | -8.7              | -5.1                        |

Source: Bloomberg Finance L.P., State Street Global Advisors (SSGA) as of 11/22/2016.

Characteristics are as of the date indicated and should not be relied upon as current thereafter.

**Figure 2: Value Over Growth Took a Sharp Turn**



— Russell 1000 Value Index / Russell 1000 Growth Index

Source: Bloomberg Finance L.P., State Street Global Advisors (SSGA) as of 11/22/2016.

Past performance is not a guarantee of future results. Index returns are unmanaged and do not reflect the deduction of any fees or expenses.

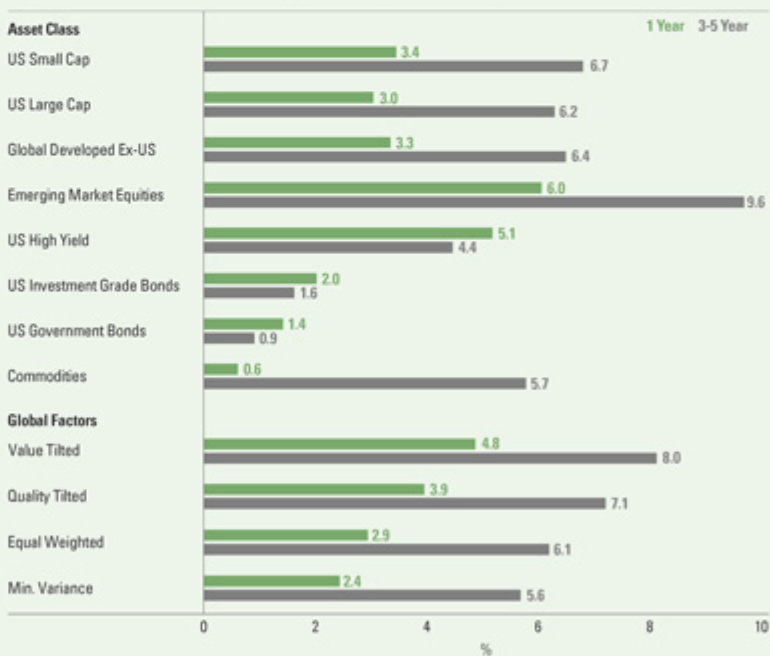
Index returns reflect all items of income, gain and loss and the reinvestment of dividends and other income.



# 2017 GLOBAL MARKET FORECAST

At SSGA, our investment process combines quantitative models with fundamental judgment to identify opportunities. Although the picture for global stocks looks mixed, we remain overweight in our tactical asset allocation models with preference for the US over international exposures. We favor value over growth given the market's more pro-risk stance post-election. In a still low rate environment, we prefer credit and high yield over government bonds. Within governments, we prefer Treasury Inflation Protected Securities (TIPS) as we expect the US Federal Reserve (Fed) to hike rates twice in 2017 as inflation moves higher.

**Figure 3: Forecasted Return (%) as of September 30, 2016**



Source: State Street Global Advisors (SSGA) Investment Solutions Group. **The forecasted returns are based on SSGA's Investment Solutions Group's September 30, 2016 forecasted returns and long-term standard deviations. The forecasted performance data is reported on a gross of fees basis. Additional fees, such as the advisory fee, would reduce the return.** For example, if an annualized gross return of 10% was achieved over a 5-year period and a management fee of 1% per year was charged and deducted annually, then the resulting return would be reduced from 61% to 54%. The performance includes the reinvestment of dividends and other corporate earnings and is calculated in the local (or regional) currency presented. It does not take into consideration currency effects. **The forecasted performance is not necessarily indicative of future performance, which could differ substantially.** Please reference the disclosure page for the assumptions used by SSGA Investment Solutions Group to create asset class forecasts.

# MAJOR ASSET CLASS FORECASTS AND CURRENT POSITIONING<sup>2</sup>



## US Equities Overweight

Our forecasted return for US large-cap equities is 3% and we see some potential for upside. Therefore, we enter the year with an overweight position. After five consecutive quarters of negative earnings growth for the S&P 500, we expect growth to be modestly positive as we flip to 2017.

Fed interest rate increases should benefit financials, boosting interest margins. Materials and industrials could benefit from fiscal stimulus through potential new infrastructure spending.



## International Equities Underweight

Our 1-year forecast for developed equities outside the US is comparable to our US forecast at 3.3%. For our tactical positioning, we remain cautious towards international equities with underweight positions in both developed European and Asia Pacific regions. Our underweight to these regions in part reflects a perceived decline in the efficacy of monetary policy support in the Eurozone and Japan. Europe is also likely to see downside risk as the details of a negotiated UK exit from the EU begin to take shape.



## Emerging Market Equities Neutral

Our forecast for emerging market equities is 6% for 2017, based on a stronger growth outlook as both Russia and Brazil emerge from recession and as the negative impact of falling commodity prices has abated. We currently hold a neutral position in emerging market equities, with a look to go overweight in 2017 if improvement continues as valuations remain attractive.



## Global Government Bonds Neutral

Near record-low yields provide a poor starting point for global fixed income markets where an estimated \$12 trillion<sup>3</sup> in securities carried negative yields at times in 2016.

Without price appreciation from even lower yields, this asset class can only provide negative returns going forward.



## Credit and High Yield Overweight

We remain favorable on US Credit and High Yield with 1-year forecasts of 2% and 5.1%, respectively. We expect credit to continue to outperform government bonds as rates normalize, even as spreads tighten.



## Commodities Overweight

While oil has made an impressive comeback since the early 2016 lows, a continued supply glut and modest global growth will likely keep energy range-bound with a slight upward bias in 2017. We forecast precious metals, such as gold, to continue to do well given negative global interest rates and a gradual return to higher levels of inflation.



## Factor Forecasts Favor Value and Quality

Over a one- to three-year horizon, we look to see how cheap each factor is relative to its own history. Specifically, we focus on book/price spreads for each factor and relate that to their subsequent returns. Using these relationships, we forecast a value-tilted portfolio to have the highest return, followed by quality. Given the recent performance, our analysis points to the low volatility factor as near levels that would indicate it as expensive, and therefore, producing the lowest return out of the factors analyzed.

# THREE STRATEGIES FOR THE “NEW ABNORMAL”



## Seek Income at a Reasonable Risk

*Consider looking beyond traditional sources to structure fixed income allocations to provide diversification, stability, and income and pursue quality, not quantity of yield, with dividend-paying equities.*

Over the last few years income generation has been a real challenge for investors. That will most likely continue, even as the US 10-Year Treasury yield spiked past 2 percent after the presidential election. Notably, this spike in yields sent traditional bonds into a downward spiral, with the Bloomberg Barclays US Aggregate Bond Index (“the Agg”), posting the worst two week period of returns since October 2008 when the financial crisis was unfolding. With investment professionals identifying protecting principal and income generation as two top considerations for constructing portfolios in 2017<sup>3</sup>, it is fair to conclude that a major theme for 2017 will be looking for income at a reasonable level of risk.

Unfortunately, uber-accommodative policies have limited the income generating potential from traditional sources. Figure 4 depicts the current yield on a range of standard bond exposures from around the world and their 20 year average. In each case, the bond yield today is significantly lower than its own relative history.

Simply, return expectations (yields) for traditional bonds are still low, while risks remain high, as duration is extended. However, in such a late cycle environment investors should not “dash for trash” to find yield. Rating downgrades for corporate bonds surged to over 1,000 on the year by late November and high yield bond default rates are elevated.

So, if traditional bonds are risky and we are in a late cycle environment with rising rates and credit rating downgrades surpassing levels not seen since 2009, how should a bond portfolio be constructed?

We feel fixed income portfolios should be divided into three distinct buckets, aimed at three objectives – diversification, stability, and income, with the core of the portfolio providing all three – to arrive at a portfolio that can potentially provide income at a reasonable risk. Outside of the core, we favor floating over fixed, and while we are constructive on credit broadly for the income potential, investors may want to consider augmenting their credit allocation with senior loans. Loans may benefit more in an era of rising rates and elevated defaults than fixed rate high yield.

### Implementation Ideas

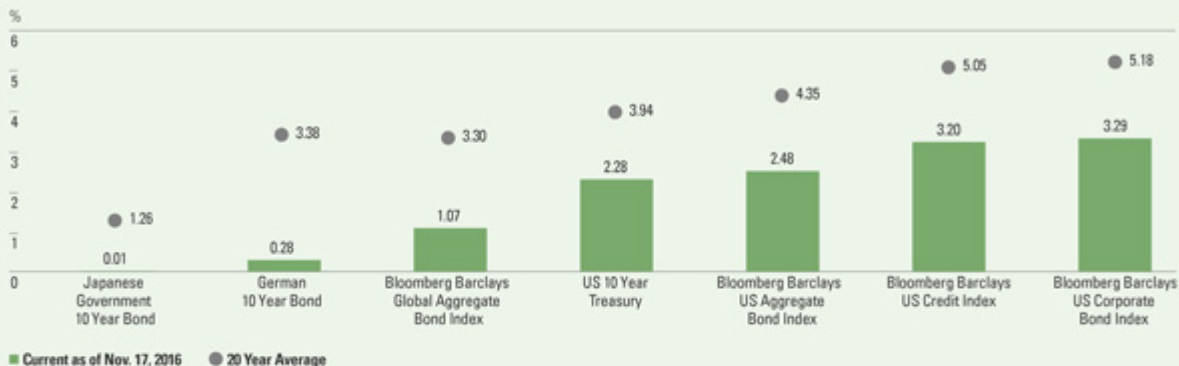
**TOTL** SPDR® DoubleLine® Total Return Tactical ETF

**SRLN** SPDR Blackstone / GSO Senior Loan ETF

**FLRN** SPDR Bloomberg Barclays Investment Grade Floating Rate ETF



**Figure 4: Yields are Still Low Relative to History**



Source: Bloomberg Finance L.P., State Street Global Advisors (SSGA) as of 11/17/2016. Past performance is not a guarantee of future results. Index returns are unmanaged and do not reflect the deduction of any fees or expenses. Index returns reflect all items of income, gain and loss and the reinvestment of dividends and other income. Performance of an index is not illustrative of any particular investment. It is not possible to invest directly in an index.

It's also important to consider how to generate income from equities. However rather than simply buying the highest yielders, it is worth examining one interesting trend for income generation from broad based equity exposures: the payout ratio for S&P 500 firms has increased in a linear like fashion, almost matching the amount of leverage in the system, as evident by the increase in Net Debt to EBITDA (see Figure 5). Payouts are 20 percent higher than their 20 year average, and are now potentially being financed by firms taking on more debt – a toxic cocktail if there ever was one.

For investors searching to add a portion of income generation to their equity bucket, dividend-paying stocks are one potential solution. But, a thoughtful approach is warranted. If income at a reasonable risk is a key consideration, investors should place a higher emphasis on the quality and not quantity of yield. The focus should be on dividend growers and not the highest yielders in the market, as that yield may be here today but gone tomorrow.

**Figure 5: S&P 500 Firms Leverage Increasing, as are Payouts**



Source: Bloomberg Finance L.P., State Street Global Advisors (SSGA) as of 11/18/2016. Past performance is not a guarantee of future results.

### Implementation Ideas

**SDY** SPDR S&P Dividend ETF



## Position for a Reflationary Environment

*Consider moving beyond TIPS and invest in real assets to make portfolios more resilient to the growing risk of inflation.*

Inflation has begun to awaken in the post-election world, fueled by a pledge by President-elect Trump to increase fiscal spending with improvements to America's crumbling infrastructure. These plans have fueled expectations of supply side inflation, or rather an increase in prices of production inputs to build these bridges, roads, and airports. Stocks of companies in natural resources industries, such as industrial materials, agricultural and energy, can potentially help investors mitigate supply side inflation, as they may directly benefit from increases in the underlying prices.

As shown in Figure 6, a basket of global natural resources stocks has moved similar to inflation expectations. Over the last five years, global natural resources stocks have shown a higher beta (0.61) sensitivity to movements in breakeven rates than standard market cap weighted core global benchmarks like the MSCI World Index (0.34).

Therefore, for investors seeking to harness these inflationary trends, carving out a portion of an equity allocation for global natural resources stocks may warrant consideration.

**Figure 6: Natural Resources, a Potential 'Natural' Play on Higher Inflation Expectations**



Source: Bloomberg Finance L.P., State Street Global Advisors (SSGA) as of 11/14/2016.

Past performance is not a guarantee of future results. Index returns are unmanaged and do not reflect the deduction of any fees or expenses. Index returns reflect all items of income, gain and loss and the reinvestment of dividends and other income.

### Implementation Ideas

**GNR** SPDR S&P Global Natural Resources ETF

**RLY** SPDR SSGA Multi-Asset Real Return ETF

## Harness Other Potential Trump Trends With Sector-based Solutions

Beyond the reflationary trade, which received a shot in the arm after Trump won the election, there are three additional trends that may emerge under a Trump administration:

### Rising Interest Rates and Reduced Regulation.

Banks may stand to benefit from an uptick in lending rates and reduction of post-crisis era regulatory reform.

**Consider the SPDR S&P Regional Banking ETF (KRE).**

### Increased Infrastructure and Defense Spending.

President-elect Trump has a pro-defense and infrastructure spending agenda that aims to spend \$1 trillion and overhaul the US's cyber security systems.

**Consider the SPDR S&P Aerospace & Defense ETF (XAR).**

**Rising Oil Prices.** Trump campaigned on a pro-energy platform that included the desire to finish the Keystone XL pipeline. That, along with the recent OPEC cuts, may act as a tailwind to energy prices and producers.

**Consider the SPDR S&P Oil & Gas Exploration & Production ETF (XOP).**





## Look to Mitigate Headwinds From Episodic Volatility

*Consider an allocation to gold, which has a low historical correlation to stocks and bonds,<sup>4</sup> and lower risk multi-factor smart beta strategies.*

Over the last five years the average level of the CBOE VIX Index has been well below the long-term average of 19.7. With low levels of the VIX, it may be fair to conclude that this is a low volatility environment. However, an alternative measure of market sentiment on volatility, the CBOE SKEW Index — otherwise known as the Black Swan Index — presents a strikingly different picture.

The CBOE SKEW Index uses out-of-the-money options to calculate a barometer for the probability of a tail risk event. This contrasts with the VIX, which uses a wide range of options, including at-the-money options to estimate implied volatility. Figure 7 illustrates that this index has been elevated, even as the VIX has been contained to the mid- to high teens. With this, it is apparent that investors are willing to pay “up” in order to hedge tail risk, and remain on edge.

Divergent levels of the VIX and SKEW indices have been observed historically. The last time was from 2004 to the summer of 2007, when investor concern about high levels of leverage in the economy materialized. Markets subsequently corrected in 2008, marking the end of the US housing market bubble and the start of the global financial crisis.

Against this backdrop of continued uncertainty, what tools are available for investors seeking to protect portfolios, but still participate in market gains?

As the Nobel Prize-winning economist Harry Markowitz advised, “Diversification is the only free lunch.” With that in mind, investors may consider diversifying their portfolios by including a position to gold, which has a low historical correlation to traditional stocks and bonds. Gold has a 0.02 correlation to stocks and a 0.12 correlation to bonds over the last 25 years.

**Figure 7: The Divergence of Volatility**



Source: Bloomberg Finance L.P., State Street Global Advisors (SSGA) as of 11/10/2016. Past performance is not a guarantee of future results. Index returns are unmanaged and do not reflect the deduction of any fees or expenses. Index returns reflect all items of income, gain and loss and the reinvestment of dividends and other income.

With uncertainty high, some investors rushed into low volatility strategies, only to underperform as the market reached new highs. Single factors can be cyclical, but mitigating volatility is important in such interesting times. As discussed, however, our analysis points to the low volatility factors as being somewhat rich. Therefore, investors should look beyond single-factor low volatility strategies to consider equity allocations that seek to minimize volatility, as well as contain other factors — like value and quality — for a more balanced and diversified exposure. This approach may reduce risk and provide a lower beta, while maintaining better upside capture than single factor low volatility strategies.

### Implementation Ideas

**GLD**<sup>®</sup> SPDR Gold Shares

**QUS** SPDR MSCI USA StrategicFactors<sup>SM</sup> ETF

**QEFA** SPDR MSCI EAFE StrategicFactors<sup>SM</sup> ETF

**QEMM** SPDR MSCI Emerging Markets StrategicFactors<sup>SM</sup> ETF

# SEEKING NORMALCY IN THE “NEW ABNORMAL”

If 2016 has taught us anything, it is that the world is complex and unpredictable. Given that we see 2017 as a year that will continue to be punctuated by significant political and economic change, investors need to consider how best to position their portfolios to protect from the emerging risks of uncertain bond markets, higher inflation expectations and potential headwinds from additional populist movements to take advantage of new opportunities.



## Seek Income at a Reasonable Risk

Consider looking beyond traditional sources to structure fixed income allocations to provide diversification, stability, and income and pursue quality, not quantity of yield, with dividend-paying equities.

|  | EXPENSE RATIO (%) |      |
|--|-------------------|------|
|  | Gross             | Net  |
| <b>TOTL</b> SPDR® DoubleLine® Total Return Tactical ETF                | 0.65              | 0.55 |
| <b>SRLN</b> SPDR Blackstone / GSO Senior Loan ETF                      | 0.70              | 0.70 |
| <b>FLRN</b> SPDR Bloomberg Barclays Investment Grade Floating Rate ETF | 0.15              | 0.15 |
| <b>SDY</b> SPDR S&P Dividend ETF                                       | 0.35              | 0.35 |



## Position for a Reflationary Environment

Move beyond TIPS and invest in real assets to make portfolios more resilient to the growing risk of inflation.

|  | EXPENSE RATIO (%) |      |
|--|-------------------|------|
|  | Gross             | Net  |
| <b>GNR</b> SPDR S&P Global Natural Resources ETF | 0.40              | 0.40 |
| <b>RLY</b> SPDR SSGA Multi-Asset Real Return ETF | 0.70              | 0.70 |



## Mitigate Headwinds From Episodic Volatility

Consider an allocation to gold, which has a low historical correlation to stocks and bonds, and lower risk multi-factor smart beta strategies.

|   | EXPENSE RATIO (%) |      |
|---|-------------------|------|
|   | Gross             | Net  |
| <b>GLD</b> SPDR Gold Shares   | 0.40              | 0.40 |
| <b>QUS</b> SPDR MSCI USA StrategicFactors <sup>SM</sup> ETF               | 0.15              | 0.15 |
| <b>QEFA</b> SPDR MSCI EAFE StrategicFactors <sup>SM</sup> ETF             | 0.30              | 0.30 |
| <b>QEMM</b> SPDR MSCI Emerging Markets StrategicFactors <sup>SM</sup> ETF | 0.30              | 0.30 |

Net Expense Ratio: Some of the funds listed may have current fee agreements in place that reduces fund expenses and if removed or modified will result in higher expense ratios. Complete details regarding expirations and contractual or voluntary nature of such reductions can be found in each fund's prospectus.



## Glossary

**At the money** A situation where an option's strike price is identical to the price of the underlying security. Both call and put options are simultaneously at the money.

**Beta** Measures the volatility of a security or portfolio in relation to the market, with the broad market usually measured by the S&P 500 Index. A beta of 1 indicates the security will move with the market. A beta of 1.3 means the security is expected to be 30% more volatile than the market, while a beta of 0.8 means the security is expected to be 20% less volatile than the market.

**Bloomberg Barclays U.S. Aggregate Bond Index** A benchmark that provides a measure of the performance of the US dollar denominated investment grade bond market, which includes investment grade government bonds, investment grade corporate bonds, mortgage pass through securities, commercial mortgage backed securities and asset backed securities that are publicly for sale in the US.

**Bloomberg Barclays U.S. Corporate High Yield Bond Index** A benchmark that measures the US corporate market of non-investment grade, fixed-rate corporate bonds. Securities are classified as high yield if the middle rating of Moody's, Fitch, and S&P is Ba1/BB+/BB+ or below.

**Bloomberg Barclays U.S. Corporate Investment Grade Bond Index** A benchmark consisting of publicly issued U.S. Corporate and specified foreign debentures and secured notes that are rated investment grade (Baa3/BBB- or higher) by at least two ratings agencies, have at least one year to final maturity and have at least \$250 million par amount outstanding. To qualify, bonds must be SEC-registered.

**Bloomberg Barclays U.S. Dollar Floating Rate Note < 5 Years Index** A benchmark consisting of debt instruments that pay a variable coupon rate, most of which are based on 3-month LIBOR, and have a fixed spread. The index may include US-registered, dollar-denominated bonds of non-US corporations, governments and supranational entities.

**Bloomberg Barclays U.S. Treasury Index** An index that covers the entire U.S. government bond market by containing U.S. Treasuries with maturities ranging from 1 to 30 years.

**CBOE Volatility Index (VIX)** A measure of market expectations of near-term volatility conveyed by S&P 500 stock index option prices.

**CBOE SKEW Index** A benchmark designed to measure the perceived risk of extreme negative moves—often referred to as “tail risk” or a “black swan” event in US equity markets. SKEW values, which are calculated from weighted strips of out-of-the-money S&P 500 options, rise to higher levels as investors become more fearful of a “black swan” event—an unexpected event of large magnitude and consequence. SKEW typically ranges from 100 to 150.

**Correlation** The historical tendency of two investments to move together. Investors often combine investments with low correlations to diversify portfolios.

**Credit Risk** The potential for an investment loss based on the borrower's inability to repay a loan or meet other obligations. Credit risk is typically measured by credit ratings maintained by credit ratings agencies such as S&P, Moody's and Fitch.

**Currency-Hedged Funds** An investment fund with a financial contract that allows the fund's currency exposure to be hedged from fluctuations of foreign currencies.

**Duration** A commonly used measure, expressed in years, that measures a portfolio's sensitivity to changes in interest rates.

**EBITDA** A measure of net income with interest, taxes, depreciation, and amortization added back to it. It can be used to analyze and compare profitability between companies and industries because it eliminates the effects of financing and accounting decisions.

**Growth** In style investing, a strategy that focuses on companies that have the potential to grow their earnings at a high rate.

**Factor Premia** The historical outperformance of factors (such as momentum and yield) versus market-cap-weighted indices.

**High-Yield Corporate Bonds** Corporate debt with generally lower credit ratings and higher yields than investment grade corporate bonds.

**MSCI EAFE Index** An equities benchmark that captures large- and mid-cap representation across developed market countries around the world, excluding the US and Canada.

**MSCI Emerging Markets Index** An equity benchmark that captures large and mid-cap representation across 23 emerging markets countries. With 834 constituents, the index covers approximately 85% of the free float-adjusted market capitalization in each country.

**MSCI Europe Index** A benchmark capturing large- and mid-cap representation across 15 developed market countries in Europe.

**MSCI Japan Index** A benchmark designed to measure the performance of the large- and mid-cap segments of the Japanese equity market.

**Price-to-Earnings Multiples, or P/E Ratio** A valuation metric that uses the ratio of the company's current stock price versus its earnings per share.

**Russell 1000 Growth Index** A benchmark of U.S. mid- and large-cap stocks that have growth style characteristics. It is a subset of the Russell 1000 Index, which is comprised of the 1,000 largest US stocks by market capitalization.

**Russell 1000 Value Index** A benchmark of U.S. mid- and large-cap stocks that have value style characteristics. It is a subset of the Russell 1000 Index, which is comprised of the 1,000 largest US stocks by market capitalization.

**Russell 2000 Index** A benchmark that measures the performance of the small-cap segment of the U.S. equity universe.

**S&P 500 Index** A popular benchmark for U.S. large-cap equities that includes 500 companies from leading industries and captures approximately 80% coverage of available market capitalization.

**Smart Beta** Smart beta defines a set of investment strategies that emphasize the use of alternative index construction rules to traditional market capitalization based indices.

**Treasury Inflation Protected Securities (TIPS)** A Treasury security that is indexed to inflation in order to protect investors from the negative effects of inflation. TIPS are considered an extremely low-risk investment since they are backed by the U.S. government and because the par value rises with inflation, as measured by the Consumer Price Index, while the interest rate remains fixed.

**Value** One of the basic elements of “style”-focused investing that focuses on companies that may be priced below intrinsic value. The most commonly used methodology to assess value is by examining price-to-book (P/B) ratios, which compare a company's total market value with its assessed book value.

## Forecast assumptions

**For Fixed Income:** Our return forecasts for fixed income derive from current yield conditions together with expectations as to how real and nominal yield curves could evolve relative to historical averages. For corporate bonds, we also analyze credit spreads and their term structures, with separate assessments of investment-grade and high-yield bonds.

**For Equities:** Our long-term equity forecasts begin with expectations for developed market large capitalization stocks. The foundation for these forecasts are estimates of real return potential, derived from current dividend yields, forecast real earnings growth rates, and potential for expansion or contraction of valuation multiples. Our forecasting method incorporates long run estimates of potential economic growth based on forecast labor and capital inputs to estimate real earning growth.

**For Factor Returns:** Over a one to three-year forecast horizon, we look to see how cheap each factor is relative to its own history. Specifically, we focus on book/price spreads for each factor and relate that to their subsequent returns. We find that valuation ratios are useful for forecasting market returns.

**For Commodities:** Our long-term commodity forecast is based on the level of world GDP, as a proxy for consumption demand, as well as on our inflation outlook. Additional factors affecting the returns to a commodities investor include how commodities are held (e.g. physically, synthetically, or via futures) and the various construction methodologies of different commodity benchmarks.

<sup>1</sup> A total of 839 investment professionals completed State Street Global Advisors' online year-end survey, the goal of which was to determine the investment concerns and client portfolio considerations that were top of mind for investment professionals. The survey was fielded in November 2016. Respondents represented a variety of investment professional segments holding a wide range of assets under management.

<sup>2</sup> Source: SSGA's Investment Solutions Group, September 30, 2016.

<sup>3</sup> Source: Bloomberg Finance L.P.

<sup>4</sup> The correlation coefficient measures the strength and direction of a linear relationship between two variables. It measures the degree to which the deviations of one variable from its mean are related to those of a different variable from its respective mean. Gold's correlation to the S&P 500 Index, the Bloomberg Barclays US Aggregate Index and Bloomberg Commodity Index is -0.01, 0.19 and 0.44, respectively. Index returns reflect capital gains and losses, income, and the reinvestment of dividends. Diversification does not ensure a profit or guarantee against loss. Source: Bloomberg and SSGA, as of 12/31/2015.



The views expressed in this material are the views of the SPDR ETFs and SSGA Funds Research Team through the period ended November 30, 2016 and are subject to change based on market and other conditions. This document contains certain statements that may be deemed forward-looking statements. Please note that any such statements are not guarantees of any future performance and actual results or developments may differ materially from those projected.

The information provided does not constitute investment advice and it should not be relied on as such. It should not be considered a solicitation to buy or an offer to sell a security. It does not take into account any investor's particular investment objectives, strategies, tax status or investment horizon. You should consult your tax and financial advisor.

Actively managed funds do not seek to replicate the performance of a specified index. An actively managed fund may underperform its benchmark. An investment in the fund is not appropriate for all investors and is not intended to be a complete investment program. Investing in the fund involves risks, including the risk that investors may receive little or no return on the investment or that investors may lose part or even all of the investment.

Investments in asset backed and mortgage backed securities are subject to prepayment risk which can limit the potential for gain during a declining interest rate environment and increases the potential for loss in a rising interest rate environment. Bonds generally present less short-term risk and volatility than stocks, but contain interest rate risk (as interest rates rise, bond prices usually fall); issuer default risk; issuer credit risk; liquidity risk; and inflation risk. These effects are usually pronounced for longer-term securities. Any fixed income security sold or redeemed prior to maturity may be subject to a substantial gain or loss.

While the shares of ETFs are tradable on secondary markets, they may not readily trade in all market conditions and may trade at significant discounts in periods of market stress.

Because of their narrow focus, sector funds tend to be more volatile than broadly diversified funds and generally result in greater price fluctuations than the overall market.

A "value" style of investing emphasizes undervalued companies with characteristics for improved valuations. This style of investing is subject to the risk that the valuations never improve or that the returns on "value" equity securities are less than returns on other styles of investing or the overall stock market.

Although subject to the risks of common stocks, low volatility stocks are seen as having a lower risk profile than the overall markets. However, a fund that invests in low volatility stocks may not produce investment exposure that has lower variability to changes in such stocks' price levels.

A "quality" style of investing emphasizes companies with high returns, stable earnings, and low financial leverage. This investing style is subject to the risk that the past performance of these companies does not continue or that the returns on "quality" equity securities are less than returns on other investing styles or the overall stock market.

ETFs trade like stocks, are subject to investment risk, fluctuate in market value and may trade at prices above or below the ETFs net asset value. Brokerage commissions and ETF expenses will reduce returns.

Passively managed funds invest by sampling the index, holding a range of securities that, in the aggregate, approximates the full Index in terms of key risk factors and other characteristics. This may cause the fund to experience tracking errors relative to performance of the index.

Diversification does not ensure a profit or guarantee against loss.

Equity securities are volatile and can decline significantly in response to broad market and economic conditions.

Foreign (non-U.S.) Securities may be subject to greater political, economic, environmental, credit and information risks. Foreign securities may be subject to higher volatility than U.S. securities, due to varying degrees of regulation and limited liquidity. These risks are magnified in emerging markets.

Securities with floating or variable interest rates may decline in value if their coupon rates do not keep pace with comparable market interest rates. Narrowly focused investments typically exhibit higher volatility and are subject to greater geographic or asset class risk. The Fund is subject to credit risk, which refers to the possibility that the debt issuers will not be able to make principal and interest payments.

**Investing in commodities entails significant risk and is not appropriate for all investors.**

Important Information Relating to SPDR Gold Shares Trust:

**The SPDR Gold Shares Trust ("GLD") has filed a registration statement (including a prospectus) with the Securities and Exchange Commission ("SEC") for the offering to which this communication relates. Before you invest, you should read the prospectus in that registration statement and other documents GLD has filed with the SEC for more complete information about GLD and this offering. You may get these documents for free by visiting EDGAR on the SEC website at [www.sec.gov](http://www.sec.gov) or by visiting [www.spdrgoldshares.com](http://www.spdrgoldshares.com). Alternatively, the Trust or any authorized participant**

**will arrange to send you the prospectus if you request it by calling 1-866-320-4053.**

GLD is not an investment company registered under the Investment Company Act of 1940 (the "1940 Act") and is not subject to regulation under the Commodity Exchange Act of 1936 (the "CEA"). As a result, shareholders of the Trust do not have the protections associated with ownership of shares in an investment company registered under the 1940 Act or the protections afforded by the CEA.

GLD shares trade like stocks, are subject to investment risk and will fluctuate in market value. The value of GLD shares relates directly to the value of the gold held by GLD (less its expenses), and fluctuations in the price of gold could materially and adversely affect an investment in the shares. The price received upon the sale of the shares, which trade at market price, may be more or less than the value of the gold represented by them. GLD does not generate any income, and as GLD regularly sells gold to pay for its ongoing expenses, the amount of gold represented by each Share will decline over time. Investing involves risk, and you could lose money on an investment in GLD. Please see the GLD prospectus for a detailed discussion of the risks of investing in GLD shares.

For more information: State Street Global Markets, LLC, One Lincoln Street, Boston, MA, 02111, 866.320.4053 [spdrgoldshares.com](http://spdrgoldshares.com)

When this document is distributed electronically, the GLD prospectus is available by clicking [here](#).

The values of debt securities may decrease as a result of many factors, including, by way of example, general market fluctuations; increases in interest rates; actual or perceived inability or unwillingness of issuers, guarantors or liquidity providers to make scheduled principal or interest payments; illiquidity in debt securities markets; and prepayments of principal, which often must be reinvested in obligations paying interest at lower rates.

Increase in real interest rates can cause the price of inflation-protected debt securities to decrease. Interest payments on inflation-protected debt securities can be unpredictable.

Government bonds and corporate bonds generally have more moderate short-term price fluctuations than stocks, but provide lower potential long-term returns.

Non-diversified funds that focus on a relatively small number of securities tend to be more volatile than diversified funds and the market as a whole.

Investments in Senior Loans are subject to credit risk and general investment risk.

Credit risk refers to the possibility that the borrower of a Senior Loan will be unable and/or unwilling to make timely interest payments and/or repay the principal on its obligation. Default in the payment of interest or principal on a Senior Loan will result in a reduction in the value of the Senior Loan and consequently a reduction in the value of the Portfolio's investments and a potential decrease in the net asset value ("NAV") of the Portfolio.

Investing in high yield securities, otherwise known as "junk bonds", is considered speculative and involves greater risk of loss of principal and interest than investing in investment grade fixed income securities. These lower-quality debt securities involve greater risk of default or price changes due to potential changes in the credit quality of the issuer.

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