



WA INVESTMENT SLEEVE OVERVIEW

# Global Equity

### WA GLOBAL EQUITY: Q4 2016

The WA Global Equity investment sleeve provides active long-only equity diversification across geographies, investment styles, market capitalizations and sectors. Our design includes both high quality long-only investment managers as well as tactical investments WA identifies as attractive market opportunities. Underlying investment managers are carefully paired to provide complimentary styles (i.e. fundamental vs. quantitative; value vs. growth) and exposures (i.e. small cap vs. large cap) in an effort to capture outperformance across different economic regimes.

Analytics	Performance					
	Q4 <sup>1</sup> SI <sup>2</sup>					
WA Global Equity	1.68%	16.11%				
MSCI ACWI	1.30%	12.54%				

- The WA Global Equity investment sleeve is currently constructed with eight core managers, two strategies within global equities, domestic, international and emerging markets, respectively. Strategically the investment sleeve is overweight to small-cap equities, and tactically overweight to both emerging markets (EM) and financials.
- Relative to the benchmark the sleeve was overweight emerging markets in Q4 and continues to be through February 2016 (figure 3) as emerging markets rallied over the first two months of 2017. In Q4 an overweight to small-cap equities drove performance, which allowed us to trim our small-cap value position in February, while still maintaining a substantial overweight to small-caps vs the benchmark (figure 2). In February, we also trimmed our international value manager after a strong Q4 and added assets to our international growth manager.
- At the beginning of the year, we established two tactical positions in financials and Japan through passive ETF's (figure 4). We intend to replace both positions with active management in Q2/Q3. We aim to add a defensive domestic equity strategy in Q2 to increase downside protection.

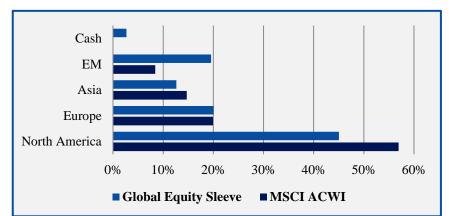
#### <sup>1</sup>Q4 Performance is as of 12/31/2016.

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<sup>2</sup>SI performance, quartiling, market cap and sector exposure is through 2/28/17. SI sleeve performance commenced on 7/1/16. \*Quartiling data is provided by eVestment and is composed of a peer universe of global equity strategies.

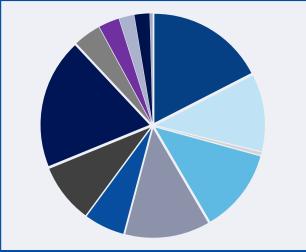


#### Geographic Exposure (Figure 3)<sup>2</sup>





### Fund Investments (Figure 4)<sup>1</sup>



- U.S. Large-Cap Growth
- U.S. Small-Cap Value
- iShares R2000 Value
- International All-Cap Growth
- International All-Cap Value
- EM All-Cap
- EM Small-Cap
- Global All-Cap
- Global All-Cap Growth
- iShares ACWI
- ETF Financials
- ETF Japan Hedged
- Cash

- Our strategy of pairing managers within domestic, international, emerging and global markets was resilient both in Q4 and since inception. In Q4, four managers, one within each category, outperformed their respective benchmark by an average of 3.5%. Since inception (SI) five managers have outperformed their respective benchmark.
- Our small cap domestic value manager was the best performer for Q4, returning over 13% as small cap equities rallied and value outperformed growth. Through the first two months of 2017 our top performing manger has been a small cap emerging market strategy that returned 12.9% and outperformed the benchmark by 4.2% due to a rally in EM.
- We initiated a tactical position in Japan based on low valuations amongst developed markets, supportive monetary and fiscal policies and significant corporate reforms that should unlock shareholder value.
- The prospect of reduced regulation, rising rates and cheap valuations despite balance sheet improvements leads us to believe opportunities remain for the financial sector to outperform.

	Global All-Cap	Global All- Cap Growth	- U.S. Large-Cap Growth	U.S. Small- Cap Value	Int. All- Cap Growth	Int. All- Cap Value	EM All-Cap	EM Small-Cap	Cash Utilities
Global All-Cap	1.00								Telecom Service Real Estate
Global All-Cap Growth	0.72	1.00							Materials
U.S. Large-Cap Growth	0.74	0.9	1.00						Industrials
U.S. Small-Cap Value	0.65	0.6	0.58	1.00					Healthcare Financials
International All-Cap Growth	0.84	0.87	0.8	0.6	1.00				Energy Consumer Staples
International All-Cap Value	0.65	0.77	0.68	0.45	0.85	1.00			Consumer Discretionary
EM All-Cap	0.62	0.75	0.58	0.39	0.75	0.71	1.00		
EM Small-Cap	0.59	0.71	0.56	0.34	0.74	0.73	0.94	1.00	■ MSCI ACWI ■ Global Equity Sleeve

Manager Correlations (Figure 5)<sup>2</sup>

<sup>1</sup>Manager weightings are as of 2/28/17. <sup>2</sup>Manager correlations are from 1/1/14-12/31/16. <sup>3</sup>Sector exposure is as of 2/28/17.



### Sector Exposure (Figure 6)<sup>3</sup>

## Directional Hedge Funds

### WA MARKET DIRECTIONAL HEDGE FUNDS: Q4 2016

The WA Market Directional investment sleeve provides hedge fund exposure across strategies with higher correlation to equities, such as long-short equity, event-driven and distressed credit. The sleeve invests in strategies that offer a higher risk/reward return potential as we seek to outperform equity markets across a market cycle. The sleeve is diversified across type, geography and life cycle, including both well established, well known managers along with emerging managers.

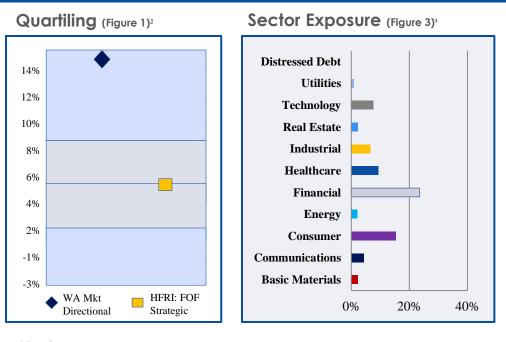
Analytics	Performance					
	Q41	SI <sup>2</sup>				
WA Market Directional	3.75%	15.40%				
HFRI FoF: Strategic Index	0.26%	6.41%				

- The WA Market Directional investment sleeve is currently constructed with thirteen core managers, representing both long-tenured blue-chip managers as well as emerging mangers. Strategically the sleeve is overweight Long/Short (LS) equity strategies and managers are weighted based on their risk/return profile.
- The WA Market Directional sleeve was overweight long/short equity strategies in relation to event-driven strategies in Q4 (figure 2). Within long/short, the sleeve was overweight the financial sector (figure 3).
- The overweight to financials was a significant driver of performance over the 4<sup>th</sup> quarter as financials rebounded after the new administration made clear its intentions to reduce regulations and the Fed raised rates in December, signaling additional hikes for 2017.

<sup>1</sup>Q4 Performance, sector and strategy exposure are as of 12/31/2016.

<sup>2</sup>SI performance and quartiling is through 2/28/17. SI sleeve performance commenced on 7/1/16.

\*Quartiling data is provided by eVestment and is composed of the strategies represented in the HFRI: FOF Strategic benchmark.



#### Strategy Exposure (Figure 2)<sup>1</sup>

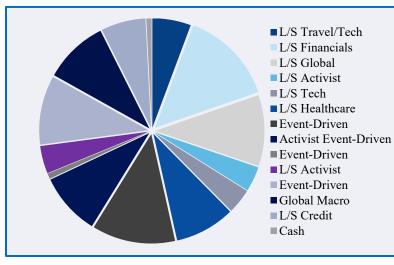
Strategy	Long	Short	Net	Gross
<b>Equity Long Short</b>	88.1%	(44.7%)	43.4%	132.8%
Event Driven	12.7%	(4.4%)	8.2%	17.1%
Performing Credit	9.2%	(3.8%)	5.4%	13.1%
Distressed Debt	3.1%	(0.0%)	3.0%	3.1%
Merger Arbitrage	4.1%	(1.3%)	2.8%	5.4%
Private Equity	0.7%	0.0%	0.7%	0.7%
Macro Hedges	5.6%	(10.7%)	(5.0%)	16.3%
Total	123.5%	(64.9%)	58.6%	188.4%

Confidential



## WA MARKET DIRECTIONAL HEDGE FUNDS: Q4 2016

### Fund Investments (Figure 4)<sup>1</sup>



- Our long/short equity manager focused on travel and technology companies was the best performing manager over the 4<sup>th</sup> quarter at +16.8%. The manager benefited from concentrated bets within the airline industry, specifically United Airlines, which rallied on positive financial news and following comments from Warren Buffet on improving sales and low valuations across the sector.
- The second best performing manager in Q4 was our financial focused manager that is the largest position in the sleeve (figure 4), who continues to be bullish on regional banks that will likely benefit from lower taxes, higher interest rates and less-hostile regulators. The manager returned 13.9% in Q4.
- Event-driven strategies were mixed over the quarter with two of our event-driven managers returning +3.4% and +2.1%, respectively, and the other two recorded small losses.
- Our L/S Credit and Global Macro (with EM tilt) manager returned +2.3% and +3.8%, respectively over the quarter.

	L/S Travel/ Tech	L/S Credit	L/S Global	L/S Healthcare	L/S Activist	Activist Event-Driven	Event-Driven	L/S Tech	Event-Driven	L/S Activist	Global Macro	Event-Driven	L/S Financials
L/S Travel/Tech	1.00												
L/S Credit	0.26	1.00		1									
L/S Global	0.47	0.34	1.00	1			[		1				
L/S Healthcare	0.37	0.71	0.58	1.00									
L/S Activist	0.14	0.49	0.07	0.31	1.00								
Event-Driven	0.24	0.51	0.47	0.45	0.42	1.00							
Activist Event-Driven	0.38	0.69	0.60	0.75	0.44	0.58	1.00						
L/S Tech	0.16	0.44	0.58	0.50	-0.04	0.27	0.59	1.00					
Event-Driven	0.32	0.64	0.47	0.61	0.42	0.54	0.66	0.29	1.00				
L/S Activist	0.43	0.47	0.71	0.67	0.39	0.66	0.61	0.43	0.62	1.00			
Global Macro	0.06	0.23	0.31	0.14	0.01	0.44	0.18	0.19	0.21	0.30	1.00	[]	
Event-Driven	0.25	0.44	0.62	0.52	0.14	0.42	0.49	0.49	0.49	0.61	0.20	1.00	
L/S Financials	0.32	0.53	0.59	0.57	0.02	0.27	0.59	0.57	0.37	0.40	0.19	0.46	1.00

Manager Correlations (Figure 5)<sup>2</sup>

<sup>1</sup>Manager weightings are as of 2/28/17. <sup>2</sup>Manager correlations are from 1/1/14-12/31/16.

## Absolute Return Hedge Funds

### WA ABSOLUTE RETURN HEDGE FUNDS: Q4 2016

Strategy Exposure (Figure 2)<sup>1</sup>

The WA Absolute Return investment sleeve provides hedge fund exposure across more conservative or risk-diversifying strategies, such as global macro, multi-strategy and market neutral. These strategies feature low correlation to equities in order to stabilize portfolios and produce positive returns across all market environments and cycles. Both return and risk expectations are more muted than investments geared toward growth, such as long only equities and directional hedge funds.

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Analytics	Performance				
	Q4 <sup>1</sup> SI <sup>2</sup>				
WA Absolute Return	1.57%	5.81%			
HFRI FoF: Conservative Index	1.73%	4.55%			

- The WA Absolute Return investment sleeve is currently constructed with five managers, across multi-strategy, global macro, L/S equity and trend-following strategies. The mix of risk-diversifying strategies increases downside protection and return potential across all market environments.
- The WA Absolute Return fund was overweight global macro strategies relative to long/short equity strategies in Q4 2016 (figure 2).
- Since inception the sleeve's beta to equity markets is 0.34. In effect, this demonstrates these investments are not closely tied to the performance of global equity markets. This is accomplished by pairing managers who have very low correlation to the equity markets since inception (figure 3). This low beta helps stabilize portfolios in times of market turmoil.

10% **Private Equity** 9% 8% **Global Macro** 7% Convertible 6% Arbitrage 5% **Merger Arbitrage** 4% **Distressed Debt** 3% 2% **Performing Credit** 1% **Equity Long Short** 0% HFRI: FOF WA Absolute Conservative Return 0% 30% 10%20%

#### Manager Beta (Figure 3)<sup>3</sup>

Quartiling (Figure 1)<sup>2</sup>

	Multi- Strategy	L/S Euro Equity	Global Macro	L/S Global Equity	Trend- Following
SI Beta to MSCI ACWI	0.21	0.15	0.04	0.00	-0.37

<sup>3</sup>Manager Beta analytics are shown since inception for all managers: Multi-Strategy 3/1/93; European L/S Equity 10/1/11; Global Macro 4/1/05; Global L/S Equity 2/1/09; Trend-Following 1/1/2001. \*Quartiling data is provided by eVestment and is composed of the strategies represented in the HFRI: FOF Conservative benchmark.

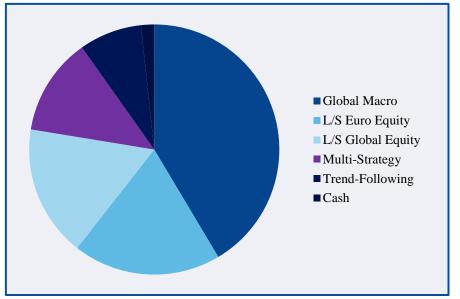
<sup>&</sup>lt;sup>1</sup>Q4 performance and strategy exposure are as of 12/31/2016.

<sup>&</sup>lt;sup>2</sup>SI performance and quartiling is through 2/28/17. SI sleeve performance commenced on 7/1/16.



### WA ABSOLUTE RETURN HEDGE FUNDS: Q4 2016

### Fund Investments (Figure 4)<sup>1</sup>



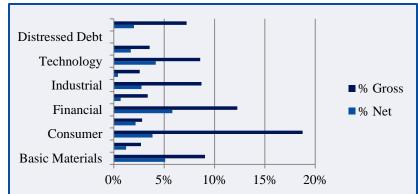
### Manager Correlations (Figure 5)<sup>2</sup>

	Multi- Strategy	L/S Euro Equity	Global Macro	Trend- Following	L/S Global Equity
Multi-Strategy	1				
L/S Euro Equity	-0.05	1			
Global Macro	0.19	0.21	1		
Trend-Following	-0.37	0.35	-0.17	1	
L/S Global Equity	-0.44	0.39	0.03	0.51	1

• An overweight to our global macro manager (figure 4) continued to be a significant driver of performance over Q4 +5.7%. The manager benefited from directional and relative value trades around divergent central bank paths, long exposure to USD and bullish views on US equities and declining implied volatility. The manager followed a strong 2015, +22.7%, with a strong 2016 at +19.3%.

- Over the quarter our multi-strategy manager returned +2.0% and benefited from exposure to distressed credits, as the fear of bankruptcies receded over the second half of the year.
- Low net exposure long/short equity managers struggled as short exposure detracted from performance.
- In January we added a systematic trend strategy to the Absolute Return Sleeve. The manager employs a pure trend following strategy that persistently shows low to negative correlation to major markets. The manager returned over 75% in 2008 and over 13% since inception. We expect to add a sixth strategy this spring as a high-conviction manager reopens to accept new capital.

#### Sector Exposure (Figure 6)<sup>3</sup>



<sup>1</sup>Manager weightings are as of 2/28/17. <sup>2</sup>Manager correlations are shown from 1/1/14-12/31/16. <sup>3</sup>Sector exposure is as of 12/31/16.



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Annualized Return: The annualized return is the geometric mean of the returns with respect to one year.

**Standard Deviation**: A statistical measure of volatility that is often used as an indicator of the 'risk' associated with a return series. Standard deviation of return measures the average deviations of a return series from a its mean. A large standard deviation implies that there have been large swings in the return series of an investment. **Sharpe Ratio**: A measure of reward per unit of risk, where standard deviation represents risk. The Sharpe ratio is calculated as the portfolio's excess return over the risk-free rate divided by the portfolio's standard deviation.

- The MSCI ACWI captures large and mid cap representation across 23 Developed Markets (DM) and 23 Emerging Markets (EM) countries. With 2,478 constituents, the index covers approximately 85% of the global investable equity opportunity set.
- HFRI FoF Strategic Index FOFs classified as "Strategic" exhibit one or more of the following characteristics: seeks superior returns by primarily investing in funds that generally engage in more opportunistic strategies such as Emerging Markets, Sector specific, and Equity Hedge; exhibits a greater dispersion of returns and higher volatility compared to the HFRI Fund of Funds Composite Index. A fund in the HFRI FOF Strategic Index tends to outperform the HFRI Fund of Fund Composite Index in up markets and underperform the index in down markets.
- HFRI FoF Conservative Index FOFs classified as "Conservative" exhibit one or more of the following characteristics: seeks consistent returns by primarily investing in funds that generally engage in more "conservative" strategies such as Equity Market Neutral, Fixed Income Arbitrage, and Convertible Arbitrage; exhibits a lower historical annual standard deviation than the HFRI Fund of Funds Composite Index. A fund in the HFRI FOF Conservative Index shows generally consistent performance regardless of market conditions.

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