# Fact Sheet: MBS Mantra, LLC - "Agg Plus Alpha" Portfolios of Fixed Income Funds

### Feb 2018

13.42%

# Alpha Through Analysis®

# Benchmark 1 (BM1): AGG ETF - US Aggregate Bonds

Benchmark 2 (BM2): MBB ETF - US Mortgage Backed Securities

### Benchmark 3 (BM3): HYG ETF - High Yield bonds Benchmark 4 (BM4): GOVT ETF - US Treasury bonds

## "Optimal Portfolio" - Institutional

MBS Mantra applies Financial Portfolio Theory and Analysis to Fixed Income Mutual Funds/ETFs to create an Optimal Portfolio that can outperform the Bloomberg Barclays Agg Index ("Agg"). The Optimal Portfolio described here has the same standard deviation ("risk") as the Agg over the 5+ year time period analyzed, with a reduction in Drawdowns and significant Excess Return. Efficient Portfolios can be customized to meet specific risk targets.

### Performance - Portfolio of Mutual Funds - simulated performance using actual Fixed Income Funds/ETFs Agg Plus Alpha Optimal Portfolio - Net Monthly Total Returns (Fe Jan Feb May Jun Jul Sep Oct Nov Dec YTD **AGG Excess** Apr Aug 2018 -0.31% -0.42% -0.73% -2.12% 1.39% 2017 0.68% 0.90% 0.55% 0.61% 0.81% 0.39% 0.44% 0.78% 0.29% 0.38% 0.21% 0.26% 6.47% 3.55% 2.92% 0.50% 2016 0.27% -0.37% 1.46% 0.92% 0.56% 0.64% 1.07% 0.62% 0.21% -0.37% 0.71% 6.39% 3.97% 2.41% 0.49% 0.53% -0.60% 0.89% 2015 0.26% 0.77% 0.49% -0.57% 0.41% -0.40% -0.05% -0.71% 1.48% 0.48% 1.00% 2014 1.28% 1.06% 0.26% 0.70% 1.35% 0.44% 0.13% 0.89% -0.43% 0.68% 0.18% -0.83% 5.83% 6.00% -0.17% 2013 1.40% 0.53% 0.33% 1.60% -0.15% -2.70% 0.40% -0.57% 1.31% 1.25% -0.09% 0.06% 3.33% 5.31%

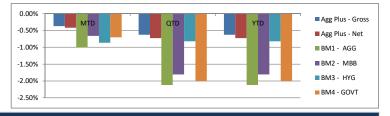
1.66%

Returns - Comparisons to Benchmark ETFs								
	Agg Plus - Gross	Agg Plus - Net	BM1 - AGG	BM2 - MBB	BM3 - HYG	BM4 - GOVT		
MTD	-0.37%	-0.42%	-1.01%	-0.66%	-0.87%	-0.70%		
QTD	-0.63%	-0.73%	-2.12%	-1.81%	-0.82%	-2.01%		
YTD	-0.63%	-0.73%	-2.12%	-1.81%	-0.82%	-2.01%		
1 Year	4.67%	4.05%	0.49%	0.07%	2.67%	-0.56%		
ITD	51.71%	46.23%	12.45%	9.64%	36.75%	6.31%		

0.81%

1.11%

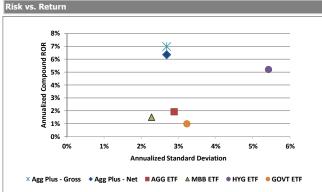
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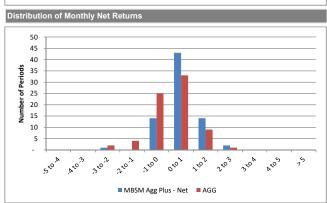


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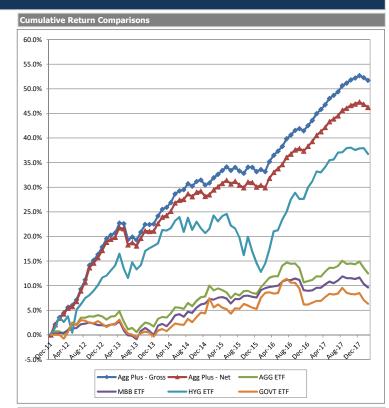
### Risk/Statistics

2012





Net Returns - performance statistics vs benchmarks (since inception)							
	BM1 - AGG	BM2 - MBB	BM3 - HYG	BM4 - GOVT			
Alpha (Monthly)	0.4%	0.4%	0.4%	0.5%			
Annualized Alpha	5.5%	5.5%	4.8%	6.1%			
Beta	0.5	0.6	0.3	0.2			
R-Squared	0.2	0.2	0.3	0.1			
Correlation	49%	49%	59%	27%			



Statistical Analysis						
	Agg Plus - Gross	Agg Plus - Net	BM1 - AGG	BM2 - MBB	BM3 - HYG	BM4 - GOVT
Compound ROR	7.0%	6.4%	1.9%	1.5%	5.2%	1.0%
Cumulative Return	51.7%	46.2%	12.4%	9.6%	36.8%	6.3%
Best Month	2.7%	2.6%	2.1%	1.9%	4.7%	2.9%
Std. Deviation	0.8%	0.8%	0.8%	0.7%	1.6%	0.9%
Sharpe Ratio	1.9	1.7	0.1	-0.1	0.7	-0.2
Worst Month	-2.7%	-2.7%	-2.6%	-1.9%	-3.2%	-2.9%
% Positive Months	80%	80%	58%	62%	70%	47%

<sup>\*</sup>Please refer to the important notes and disclosures on the next page. Statistical Analysis calculated using eVestment's (formerly Pertrac) methodology.

Profile							
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Inception Date	1/1/2012		Lockup	1 Year		Prime Broker	National Alliance/Hilltop Securities
Management Fee	0.60%		Redemption	Monthly		Administrator	S&Z Fund Services LLC
Incentive Fee			<b>Redemption Notice</b>	30 days		Legal	The Campbell Firm, PLLC
Minimum Account	\$10mm		Reporting Style	Quarterly		Domicile	US
Subscription			Fund Structure	Separate Accounts			
High Water Mark			Strategy	Portfolios of Funds in SMAs			
Hurdle Rate			Currency	USD			

Standard Deviation - Measures the degree of variation of returns around the mean (average) return. Standard Deviation is often used as a measure of Investment risk.

Sharpe Ratio - Measures the excess return (or risk premium) per unit of deviation in an investment asset or a trading strategy (using 0.75% risk free rate)

Alpha - The Alpha statistic is the difference between a Manager's return and the Benchmark's return, adjusted by the Manager's exposure to the Benchmark's risk. Alpha is typically used to measure the Managers investment skill relative to the Benchmark. A positive alpha indicates that the Manager has produced risk adjusted returns that exceed the benchmark's return. Annualized Alpha is the measure of the annualized value added.

**<u>Beta</u>** - A way to measure the "risk" or price volatility of a particular stock or fund as it compares to the market as a whole. A beta of 1.0 indicates that a security's risk measurement is on par with the market. A beta of 1.20 indicates that a security is 20% more volatile than the market.

**R-Squared** - A measure of how much of a fund's past returns can be explained by the returns from the market in general, as measured by a given index. If a fund's total returns were precisely synchronized with an index's returns, its R-squared would be 1. If a fund's returns bore no relationship to the index's returns, its R-square would be 0.

### Past performance is not indicative of future results.

The performance returns and statistical data are estimates computed by the manager, based on unaudited figures. The figures above are indicative performance figures for the portfolio as a whole, and are not specific to your account. Actual performance for your account will be provided to you in your quarterly account statement. Actual performance will vary for investments made in different fee classes, or at different times of the year.

Please Note: As indicated above, past performance may not be indicative of future results. Therefore, no current or prospective investor should assume that future performance will be profitable, or equal either the past performance results reflected or any corresponding historical index.

### **Benchmarks**

The Bloomberg Barclays US Aggregate Bond Total Return Index (Barclays Agg) - A broad-based flagship benchmark that measures the Total Return of the investment grade, US dollar-denominated, fixed-rate taxable bond market. The index includes Treasuries, government-related and corporate securities, MBS (agency fixed-rate and hybrid ARM pass-throughs), ABS and CMBS (agency and non-agency).

The Bloomberg Barclays US Securitized Total Return Index (Barclays MBS) -represents the Total Return of the Securitized section of the Barclays US Aggregate. This includes MBS, ABS, CMBS and Covered bonds, and is unhedged.

**The Bloomberg Barclays US Corporate Bond Index (Barclays Corp)** - measures the Total Return of the investment grade, fixed-rate, taxable corporate bond market. It includes USD denominated securities publicly issued by US and non-US industrial, utility and financial issuers.

The Bloomberg Barclays US Treasury Index (Barclays UST) - measures the Total Return of the US dollar-denominated, fixed-rate, nominal debt issued by the US Treasury. Treasury bills are excluded by the maturity constraint, but are part of a separate Short Treasury Index.

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