

## BlackRock Investment Management, LLC

1 University Square Dr.  
Princeton, New Jersey 08540

Style: Global Fixed Income  
Sub-Style: Global Fixed Income UH  
Firm AUM: \$6.3 trillion  
Firm Strategy AUM: \$417.0 million

Year Founded: 1988  
GIMA Status: Approved  
Firm Ownership: BlackRock, Inc.  
Professional-Staff: 13300

### PRODUCT OVERVIEW

BlackRock believes superior long-term performance can be generated within the Global Fixed Income universe by focusing primarily on currency rotation and secondarily on interest rate anticipation. Objective: seeks total return derived primarily from capital appreciation, and secondarily, coupon interest. It generally invests in investment grade Fixed Income securities of US and foreign governments. It gains currency exposure through investment in non-US dollar denominated government securities. Government securities include securities issued or guaranteed by a government or a government agency or instrumentality. It also may invest in securities issued by certain international organizations designated or supported by governments or government agencies to promote economic reconstruction or development (including but not limited to the International Bank for Reconstruction and Development (the World Bank) and the Inter-American Development Bank). It also may invest in mutual funds and other pooled investment vehicles, which may pay fees and expenses to BlackRock that are in addition to the fees payable to BlackRock for managing the account. Selection of this strategy indicates a willingness to assume the additional risks involved with global investing, particularly currency fluctuations and changes in global interest rates. More detailed information on this strategy is available upon request. The credit rating of all the constituent markets is BBB+ or better, with the average being AA. The index is widely accepted as one of two of the industry leaders as a measurement for investors in the global government bond markets.

### TARGET PORTFOLIO CHARACTERISTICS

Number of bond holdings:	36
Average credit quality:	AA
Average maturity:	6.70
Average duration:	5.93
Average coupon:	2.30
Average turnover rate:	10 to 50%

### PORTFOLIO STATISTICS

	BlackRock	03/18-----09/17 Index***	BlackRock
Number of bond holdings	36	—	32
SEC Yield	—	—	—
Avg credit quality	AA	—	AA
Avg maturity	6.7 yrs.	—	6.52 yrs.
Avg duration	5.93 yrs.	—	5.74 yrs.
Avg coupon	2.3%	—	2.3%

### FIXED INCOME SECTOR DISTRIBUTION (%) \*

	03/18	12/17	09/17	06/17
U.S. Treasury	55.17	52.33	42.51	39.92
Foreign Bonds	23.69	24.13	34.28	36.93
U.S. Agencies	19.01	18.82	19.17	19.51
Cash/Cash Equivalents	2.13	4.73	4.03	3.64

\*Total may not equal 100% due to rounding.

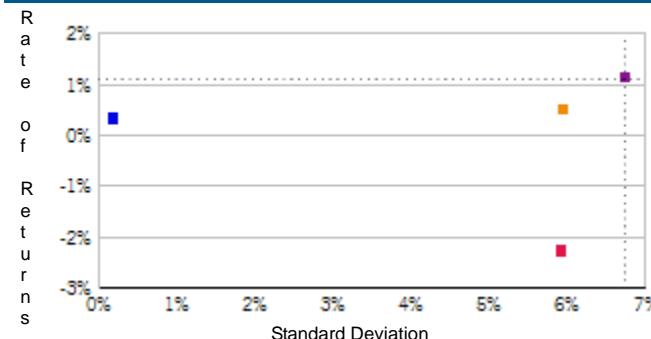
\*\*Index : Citi WGBI UnH

MANAGER'S INVESTMENT PROCESS		RISK CONSIDERATIONS	PORTFOLIO'S MATURITY STRUCTURE (%) *				
• A research intensive portfolio construction process attempts to generate superior returns with reduced volatility	• Country/currency weighting: Top-down economic analysis, Technical and momentum analysis of currencies, Interest rate forecast (macro)	Investing in securities entails risks, including: Fixed Income securities may be sensitive to changes in prevailing interest rates. When rates rise the value generally declines. There is no assurance that the private guarantors or insurers will meet their obligations. International investing should be considered one component of a complete and diversified investment program. Investing in foreign markets entails greater risks than those normally associated with domestic markets such as foreign political, currency, economic and market risks. Growth investing does not guarantee a profit or eliminate risk. The stocks of these companies can have relatively high valuations. Because of these high valuations, an investment in a growth stock can be more risky than an investment in a company with more modest growth expectations. Value investing does not guarantee a profit or eliminate risk. Not all companies whose stocks are considered to be value stocks are able to turn their business around or successfully employ corrective strategies which would result in stock prices that do not rise as initially expected.	03/18	12/17	09/17	06/17	
• Overall portfolio duration: Determine interest rate sensitivity and establish target portfolio duration			0 to 2 Years	21.71	18.81	19.45	16.42
• Security selection: Domestic vs. off-shore issuers, Individual country yield curve analysis, Interest rate anticipation (country specific)			2 to 4 Years	10.18	10.45	14.93	20.47
• Risk management: Assess credit risk, currency risk, duration risk and yield curve risk			4 to 6 Years	7.47	7.67	7.66	7.48
			6 to 8 Years	21.04	13.72	14.94	14.85
			8 to 12 Years	31.01	33.74	28.13	28.23
			12 to 17 Years	0.00	4.51	4.41	4.35
			Over 17 Years	6.46	6.38	6.44	4.56
			Cash/Cash Equivalents	0.00	4.73	4.03	3.64
PORTFOLIO'S CREDIT QUALITY STRUCTURE (%) *							
Investment Grade							
AAA			03/18	12/17	09/17	06/17	
AA			57.78	58.13	58.89	59.67	
A			27.85	27.93	23.09	22.89	
BBB			7.59	4.70	4.67	4.55	
			4.65	4.51	9.31	9.25	
Below Investment Grade							
BB			0.00	4.45	3.87	0.00	
B			0.00	0.00	0.00	0.00	
Below B			0.00	0.00	0.00	0.00	
Not Rated			3.40	4.73	0.16	3.64	
Cash/Cash Equivalents			0.00	0.00	0.00	0.00	

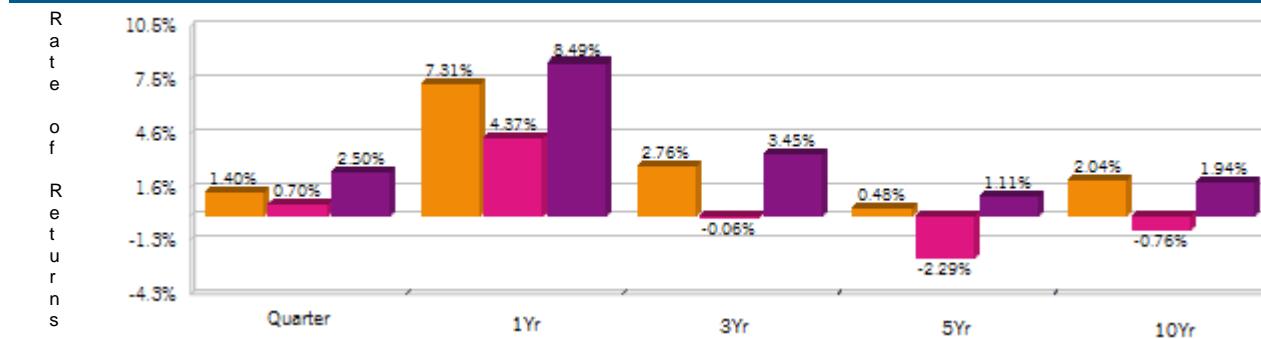
\*Total may not equal 100% due to rounding.

\*\*\*Index : Citi WGBI UnH

## RISK/RETURN ANALYSIS - 5 YEARS ENDING 03/31/18



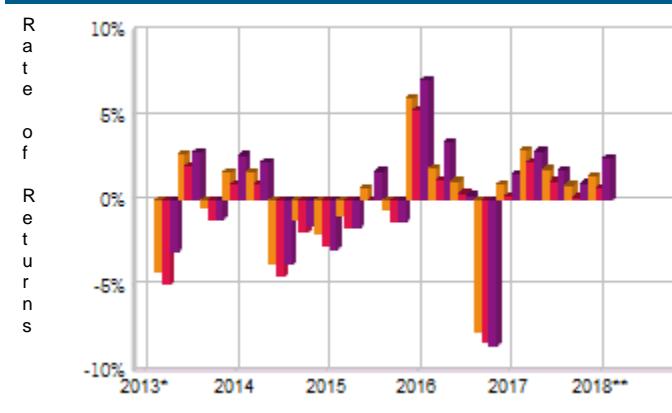
## AVERAGE ANNUAL TOTAL RETURN (%) - PERIODS ENDING 03/31/18



	STD	ROR
BlackRock (Gross)	5.96	0.48
BlackRock (Net)	5.93	-2.29
Citi WGBI UnH	6.75	1.11
90-Day T-Bills	0.21	0.31

	Annual Rates of Return (%)							10 Year - Ending 03/31/18				
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Annual	Std. Dev.
BlackRock (Gross)	8.01	5.49	5.66	6.84	3.20	-3.84	-1.71	-2.72	0.92	6.82	2.04	6.80
BlackRock (Net)	5.01	2.58	2.78	3.95	0.38	-6.48	-4.43	-5.40	-1.87	3.90	-0.76	6.76
Citi WGBI UnH	10.89	2.55	5.17	6.35	1.65	-4.00	-0.48	-3.93	1.60	7.49	1.94	7.14

## RISK VOLATILITY (%)



## PORTFOLIO'S QUARTERLY RETURNS (%)

	Quarter1		Quarter2		Quarter3		Quarter4	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
2008	8.96	8.23	-3.01	-3.70	-4.20	-4.87	6.68	5.91
2009	-4.92	-5.61	4.94	4.22	7.14	6.41	-1.32	-2.00
2010	-0.85	-1.54	-0.85	-1.55	8.97	8.24	-1.37	-2.05
2011	1.37	0.66	3.94	3.24	1.47	0.78	-0.07	-0.75
2012	0.45	-0.24	0.69	0.00	3.47	2.76	-1.38	-2.08
2013	-1.85	-2.55	-4.24	-4.90	2.74	2.03	-0.42	-1.11
2014	1.69	0.98	1.65	0.94	-3.78	-4.46	-1.18	-1.87
2015	-2.01	-2.69	-0.87	-1.55	0.70	0.00	-0.55	-1.24
2016	6.05	5.32	1.92	1.21	1.15	0.45	-7.69	-8.35
2017	0.94	0.24	2.98	2.27	1.86	1.16	0.89	0.18
2018	1.40	0.70						

Related      Select UMA

## PORTFOLIO'S RISK STATISTICS - PERIODS ENDING 03/31/18<sup>1,2</sup>

	3 Year	5 Year
Standard Deviation	6.38%	5.96%
Standard Deviation of Primary Benchmark	7.46%	6.75%
Sharpe Ratio	0.36	0.03
Sharpe Ratio of Primary Benchmark	0.40	0.12
Alpha	-0.24%	-0.54%
Beta	0.84	0.86
Downside Risk	1.47%	1.37%
R-Squared	0.96	0.95
Tracking Error	1.69%	1.59%
Information Ratio	-0.41	-0.40

\*04/01/13-12/31/13

\*\*01/01/18-03/31/18

	Number Of	Up Qtrs.	Down
BlackRock (Gross)	12	8	
BlackRock (Net)	11	9	
Citi WGBI UnH	12	8	

## PORTFOLIO DIVERSIFICATION - R<sup>2</sup>(INCEPTION THROUGH 12/14)+

BlackRock vs. Citi WGBI UnH	R <sup>2</sup>
	0.94

+Statistics are calculated using gross of fee performance only.

1. Statistics are calculated using gross of fee performance only.

2. Citi WGBI UnH was used as the primary benchmark and the 90-Day T-Bills Index as the risk-free benchmark.

See important notes and disclosures pages for a discussion of the sources of the performance data used to calculate the performance results and related analyses shown above.

## IMPORTANT NOTES AND DISCLOSURES

### COMPOSITE DISCLOSURES

**Past performance is no guarantee of future results. Actual individual account results may differ from the performance shown in this profile. There is no guarantee that this investment strategy will work under all market conditions. Do not use this profile as the sole basis for your investment decisions.**

Performance results in this profile are calculated assuming reinvestment of dividends and income. Returns for more than one year are annualized and based on quarterly data. Returns for periods of less than a calendar year show the total return for the period and are not annualized.

**Sources of Performance Results and Other Data:** The performance data and certain other information for this strategy (including the data on page 1 of this profile) reflect the investment manager's results in managing Morgan Stanley program accounts, or the investment manager's results in managing accounts and investment products, in the same or a substantially similar investment discipline. (For periods through June 2012, the Fiduciary Services program operated through two channels - Morgan Stanley channel and the Smith Barney channel - and any performance and other data relating to Fiduciary Services accounts shown here for these periods is calculated using accounts in only one of the these channels.) This information for the investment manager is presented solely to provide information about accounts that were managed according to investment objectives and strategies the same or substantially similar to the corresponding investment discipline in the Select UMA program. Although the Fiduciary Services and Select UMA programs are both Morgan Stanley managed account programs, the performance results and other features of similar investment disciplines in the two programs may differ due to investment and operational differences. For example, the individual investment disciplines in the Select UMA accounts may contain fewer securities, which would lead to a more concentrated portfolio. The automatic rebalancing, wash sale loss and tax-harvesting features of the Select UMA program, which are not available in Fiduciary Services, also could cause differences in performance. Accordingly, the performance of the accounts in the Fiduciary Services program is not, and may differ significantly from, the performance of the accounts in the Select UMA program and should not be considered indicative of or a substitute for Select UMA performance. Similarly, performance results of the investment manager's composites may differ from those of Select UMA accounts managed in the same or a substantially similar investment discipline.

### Related Performance:

The performance results from 1 May 2009 to the end of the most recent calendar quarter represent the composite of all fully discretionary, unconstrained Separately Managed Account (SMA) program accounts managed in this style by the firm for at least two months. The performance results from 1 January 2005 to 30 April 2009 represent the composite of all fully discretionary, unconstrained SMA program accounts managed in this style by the firm for at least one month. The performance results prior to 1 January 2005 represent the composite of all fully discretionary, unconstrained SMA program accounts managed in this style by the firm for at least one quarter.

The creation date of the composite is 31 December 2010. New accounts and accounts that have changed their investment mandate to that of the composite are included in the composite upon the completion of the second full month under management. Closed accounts and accounts that change their investment mandate are included in the composite through the completion of the last full month under management or the last full month under the old strategy.

Performance presented for periods prior to 29 September 2006 occurred while members of the portfolio management team were affiliated with Merrill Lynch Investment Managers, L.P ("Prior Firm"). Such members of the portfolio management team were responsible for investment decisions for SMA program accounts managed in the Global Fixed Income SMA style at the Prior Firm and the decision making process has remained intact and independent within the firm. The performance presented is for those portfolios that were brought over to the firm from the Prior Firm. In firm management's opinion, such performance composite conforms to the GIPS with regard to the portability of investment results, and, as such, all historical performance results from the Prior Firm have been linked to the on-going performance results of the composite. Performance records of the Prior Firm are available upon request.

### Morgan Stanley Performance:

**Gross Performance:** BlackRock's gross results do not reflect a deduction of any investment advisory fees or program fees, charged by BlackRock or Morgan Stanley, but are net of commissions charged on securities transactions.

**Net Performance for all Periods:** Net performance results reflect a deduction of 0.6975% quarterly. This consists of three components: 0.625% maximum quarterly MS Advisory Fee and 0.0175% maximum quarterly Program Overlay Fee (which, together cover the services provided by Morgan Stanley), plus 0.055% quarterly SMA Manager Fees (being the fee currently charged by BlackRock to new clients for managing their assets in the Select UMA program). The SMA Manager Fees may differ from manager to manager, and managers may change their fee to new clients from time to time. If you select this manager for your account, check the SMA Manager Fees specified in the written client agreement, in case these have changed since you received this profile. Historical net fees reflect the Advisory Fee Schedule as of March 31, 2014.

Morgan Stanley program fees are usually deducted quarterly, and have a compounding effect on performance. The Morgan Stanley program fee, which differs among programs and clients, is described in the applicable Morgan Stanley ADV brochure, which is available at [www.morganstanley.com/ADV](http://www.morganstanley.com/ADV) or on request from your Financial Advisor or Private Wealth Advisor.

Document approval date May 2014.

### Focus List, Approved List, and Watch Status:

Global Investment Manager Analysis ("GIMA") uses two methods to evaluate investment products in applicable advisory programs. In general, strategies that have passed a more thorough evaluation may be placed on the "Focus List", while strategies that have passed through a different and less comprehensive evaluation process may be placed on the "Approved List". Sometimes an investment product may be evaluated using the Focus List process but then placed on the Approved List instead of the Focus List.

Investment products may move from the Focus List to the Approved List, or vice versa. GIMA may also determine that an investment product no longer meets the criteria under either evaluation process and will no longer be recommended in investment advisory programs (in which case the investment product is given a "Not Approved" status).

GIMA has a "Watch" policy and may describe a Focus List or Approved List investment product as being on "Watch" if GIMA identifies specific areas that (a) merit further evaluation by GIMA and (b) may, but are not certain to, result in the investment product becoming "Not Approved". The Watch period depends on the length of time needed for GIMA to conduct its evaluation and for the investment manager to address any concerns. GIMA may, but is not obligated to, note the Watch status in this report with a "W" or "Watch" on the cover page.

For more information on the Focus List, Approved List, and Watch processes, please see the applicable Morgan Stanley ADV brochure ([www.ms.com/adv](http://www.ms.com/adv)). Your Financial Advisor or Private Wealth Advisor can provide on request a copy of a paper entitled "GIMA: At A Glance".

## ADDITIONAL DISCLOSURES

The information about a representative account is for illustrative purposes only. Actual account holdings, performance and other data will vary depending on the size of an account, cash flows within an account, and restrictions on an account. Holdings are subject to change daily. The information in this profile is not a recommendation to buy, hold or sell securities.

Actual portfolio statistics may vary from target portfolio characteristics.

The investment manager may use the same or substantially similar investment strategies, and may hold similar portfolios of investments, in other portfolios or products it manages (including mutual funds). These may be available at Morgan Stanley or elsewhere, and may cost an investor more or less than this strategy in Morgan Stanley's Select UMA program.

The portfolio may, at times, invest in exchange-traded funds (ETFs), which are a form of equity security in seeking to maintain continued full exposure to the broad equity market.

Morgan Stanley investment advisory programs may require a minimum asset level and, depending on your specific investment objectives and financial position, may not be suitable for you. Investment advisory program accounts are opened pursuant to a written client agreement.

The investment manager acts independently of, and is not an affiliate of, Morgan Stanley Smith Barney LLC.

Diversification does not guarantee a profit or protect against a loss.

### No obligation to notify

Morgan Stanley has no obligation to notify you when information in this profile changes.

### Sources of information

Material in this profile has been obtained from sources that we believe to be reliable, but we do not guarantee its accuracy, completeness or timeliness. Third party data providers make no warranties or representations relating to the accuracy, completeness or timeliness of the data they provide and are not liable for any damages relating to this data.

### No tax advice

Morgan Stanley and its affiliates do not render advice on legal, tax and/or tax accounting matters to clients. Each client should consult his/her personal tax and/or legal advisor to learn about any potential tax or other implications that may result from acting on a particular recommendation.

### Not an ERISA fiduciary

Morgan Stanley is not acting as a fiduciary under either the Employee Retirement Income Security Act of 1974, as amended, or under section 4975 of the Internal Revenue Code of 1986, as amended, in providing the information in this profile.

©2018 Morgan Stanley Smith Barney LLC Member SIPC.

## INDEX DESCRIPTIONS

### 90-Day T-Bills

The 90-Day Treasury Bill is a short-term obligation issued by the United States government. T-bills are purchased at a discount to the full face value, and the investor receives the full value when they mature. The difference of discount is the interest earned. T-bills are issued in denominations of \$10,000 auction and \$1,000 increments thereafter.

### Citi WGBI UnH

CG World Government Bond Index is a market capitalization-weighted index consisting of the government bond markets of certain countries. Country eligibility is determined based on market capitalization and investability criteria. All issues have a remaining maturity of at least one year.

### S&P 500

The S&P 500 Total Return has been widely regarded as the best single gauge of the large cap U.S. equities market since the index was first published in 1957. The index has over \$5.58 trillion benchmarked, with index assets comprising approximately \$1.31 trillion of this total. The index includes 500 leading companies in leading industries of the U.S. economy, capturing 75% coverage of U.S. equities. This index includes dividend reinvestment.

**Indices are unmanaged and have no expenses. You cannot invest directly in an index.**

## GLOSSARY OF TERMS

**Alpha** is a mathematical estimate of risk-adjusted return expected from a portfolio above and beyond the benchmark return at any point in time.

**American Depository Receipts (ADRs)** are receipts for shares of a foreign-based corporation held in the vault of a U.S. bank.

**Average Portfolio Beta** is a measure of the sensitivity of a benchmark or portfolio's rates of return to changes against a market return. The market return is the S&P 500 Index. It is the coefficient measuring a stock or a portfolio's relative volatility.

**Beta** is a measure of the sensitivity of a portfolio's rates of return to changes in the market return. It is the coefficient measuring a stock or a portfolio's relative volatility.

**Bottom-Up Stock Selection** Emphasis primarily on individual stock selection. Considerations of economic and industry factors are of secondary importance in the investment decision-making process.

**Capitalization** is defined as the following: Mega (Above \$100 billion), Large (\$12 to \$100 billion), Medium (\$2.5 - \$12 billion), Small (\$.50 - \$2.5 billion) and Micro (below \$.50 billion).

**Dividend** a portion of a company's profit paid to common and preferred shareholders.

**Downside Risk** is a measure of the risk associated with achieving a specific target return. This statistic separates portfolio volatility into downside risk and upside uncertainty. The downside considers all returns below the target return, while the upside considers all returns equal to or above the target return.

**Duration** is a measure of price sensitivity expressed in years.

**High Grade Corporate Bonds** corporate bonds from issuers with credit ratings of AA or AAA.

**Information Ratio** is a measure of the investment manager's skill to add active value against a given benchmark relative to how stable that active return has been. Essentially, the information ratio explains how significant a manager's alpha is. Therefore, the higher the information ratio, the more significant the alpha.

**Investment Grade Bonds** are those rated by Standard & Poor's AAA (highest rated), AA, A or BBB (or equivalent rating by other rating agencies or, in the case of securities not rated, by the investment manager).

**Price/Book Ratio (P/B)** weighted average of the stocks' price divided by book value per share. Book value per share is defined as common equity, including intangibles, divided by shares outstanding times the adjustment factor.

**Price/Cash Flow Ratio** a ratio used to compare a company's market value to its cash flow. It is calculated by dividing the company's market cap by the company's operating cash flow in the most recent fiscal year (or the most recent four fiscal quarters); or, equivalently, divide the per-share stock price by the per-share operating cash flow.

**Price/Earnings Ratio (P/E Ratio)** shows the multiple of earnings at which a stock sells. Determined by dividing current stock price by current earnings per share (adjusted for stock splits). Earnings per share for the P/E ratio are determined by dividing earnings for past 12 months by the number of common shares outstanding. The P/E ratio shown here is calculated by the harmonic mean.

**Price/Sales Ratio** determined by dividing current stock price by revenue per share (adjusted for stock splits). Revenue per share for the P/S ratio is determined by dividing revenue for past 12 months by number of shares outstanding.

**R2 (R-Squared)/Portfolio Diversification** indicates the proportion of a security's total variance that is benchmark-related or is explained by variations in the benchmark.

**Sharpe Ratio** measures the efficiency, or excess return per unit of volatility, of a manager's returns. It evaluates managers' performance on a volatility-adjusted basis.

**Standard Deviation** is a statistical measure of historical variability or spread of returns around a mathematical average return that was produced by the investment manager over a given measurement period. The higher the standard deviation, the greater the variability in the investment manager's returns relative to its average return.

**Top-Down/Economic Analysis** Emphasis primarily on macroeconomic trends as opposed to bottom-up stock selection.

**Tracking Error** represents the standard deviation of the difference between the performance of the investment strategy and the benchmark. This provides a historical measure of the variability of the investment strategy's returns relative to its benchmark.

**U.S. Treasury Bonds** a marketable, fixed interest U.S. government debt security with a maturity of more than 10 years. Treasury bonds make interest payments semi-annually and the income that holders receive is only taxed at the federal level.

**Volatility** a measure of risk based on the standard deviation of the asset return. Volatility is a variable that appears in option pricing formulas, where it denotes the volatility of the underlying asset return from now to the expiration of the option. There are volatility indexes. Such as a scale of 1-9; a higher rating means higher risk.