

RAMIREZ ASSET MANAGEMENT

3Q 2019

RAMIREZ LONG DURATION STRATEGY UPDATE¹

Strategy Highlights

- ✓ The Ramirez Long Duration Strategy primarily utilizes a dedicated Municipal allocation with tactical use of core fixed income sectors (maximum 20%), our objective is to maximize total rate of return and achieve better risk adjusted results than the primary and secondary benchmarks; the Intercontinental Exchange (“ICE”) BofAML Broad U.S. Taxable Municipal Securities Index and the Bloomberg Barclays Long U.S. Government/Credit Index.
- ✓ RAM blends Top-Down Macroeconomic and Bottom-Up Issuer-level research processes to provide a framework for our investment team.
- ✓ Manage risk by taking a long-term view on investing and generating alpha through sector allocation, security selection, and subsector rotation.
- ✓ Approximately \$3.34 billion in Firm AUM, with over \$174 million in the Long Duration Strategy; RAM generates an equivalent yield to industry standard long duration benchmarks, with up to 50% lower interest rate risk.

Strategy Information:

Portfolio Managers:

Samuel A. Ramirez Jr.
President and CEO

Louis Sarno
Managing Director

Helen Yee, CFA
Senior Vice President

Portfolio/Index Characteristics as of September 30, 2019	Yield-to-Worst (%)	Eff. Duration (Yrs.)	Quality	Coupon (%)	Maturity (Yrs.)	Convexity
Ramirez Long Duration Strategy	3.16	9.52	A1	6.32	18.33	0.72
Bloomberg Barclays Long U.S. Government/Credit Index	2.94	16.08	A1	4.26	23.90	1.73
ICE® BofAML® Broad Taxable Municipal Securities Index	2.83	9.21	Aa3	5.09	15.37	0.71

Contact Information:

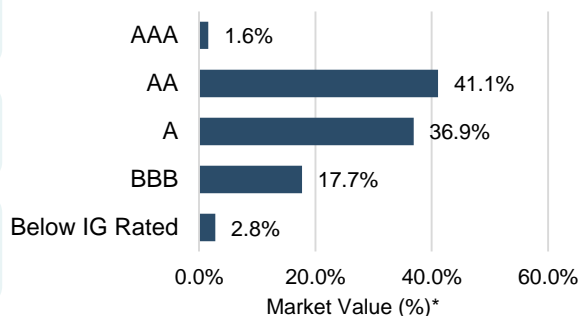
Ramirez Asset Management, Inc.

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Current Strategy Profile³

U.S. Government	<ul style="list-style-type: none"> • U.S. Treasury • U.S. Agency • Inflation Protected Securities
Corporate Credit	<ul style="list-style-type: none"> • Industrial • Financial • Utility
Taxable Municipals	<ul style="list-style-type: none"> • General Obligation • Revenue (Critical Infrastructure) • Tax Allocation • Certificate Participation
Securitized	<ul style="list-style-type: none"> • Agency MBS • ABS • CMBS • Agency CMBS • RMBS



*RAM uses the lowest NRSRO rating in the above quality distribution. Thus, U.S. Government Guaranteed securities fall under AA rated.

Trailing 3 Years⁴ (10/01/16- 09/30/19)

Key Risk Characteristics

Gross-of-Fees Alpha Target +75 -125 Basis Points (+0.75% - 1.25%)	Beta: 0.54	Batting Average: 0.47	Excess Return: 0.49%
Tracking Error: 4.24%	Information Ratio: 0.11	Sharpe Ratio: Ramirez Long Duration: 0.90 Benchmark: 0.46	Volatility: Ramirez Long Duration: 4.98% Benchmark: 8.77%

(1) Ramirez Asset Management, Inc. (“RAM”) is an independent registered investment adviser that offers investment management services to institutional clients. Ramirez Asset Management claims compliance with the Global Investment Performance Standards (GIPS). ACA Performance Services, LLC has independently verified Ramirez Asset Management from April 1, 2017 through June 30, 2019. A verification covering the periods from September 1, 2008 through March 31, 2017 was performed by Ashland Partners & Company LLP. On June 28, 2017, ACA Performance Services, LLC acquired the investment performance service business of Ashland & Partners & Company, LLP. RAM is a wholly-owned affiliate of SAR Holdings, Inc. (“SAR”). (2) AUM includes all assets managed within the stated guidelines, however, accounts are not formally included in composites until they have been fully invested for two (2) complete calendar months. The firm’s list of composite descriptions is available upon request. To receive a list of composite descriptions of RAM and/or a presentation that complies with the GIPS standards, contact Ira Isaguirre at ira.isaguirre@ramirezam.com or at 212-378-7139. Results are based on fully discretionary accounts under management, including those accounts no longer with the firm. Composite performance is presented gross of foreign withholding taxes on dividends, interest income, and capital gains, and includes the reinvestment of income. Withholding taxes may vary according to the investor’s domicile. Composite returns represent investors domiciled primarily in the United States. (3) Allocations and characteristics are provided via BondEdge Next-Generation. Quality ratings are determined as the lower of Moody’s/S&P ratings. (4) Risk measures are calculated by RAM, using monthly portfolio return observations generated via third-party accounting sources, and index data supplied by Barclays®, Bank of America/Merrill Lynch®, and Bloomberg®. Past performance is not indicative of future results. Key risks include Liquidity Risk, Interest Rate Risk, Credit Risk, Issuer Risk, Prepayment/Extension Risk, among others.

* Inclusion of fees will reduce your overall returns. The typical fees charged by Ramirez Asset Management are described in Part 2A of RAM’s Form ADV, which is available upon request. Returns are shown in U.S. Dollars and are annualized for periods greater than 12 months. Gross-of-fees returns reflect the reinvestment of dividends and other income and the deduction of brokerage fees and other commissions, if any, but do not reflect the deduction of certain other expenses such as custodial fees. Net-of-fees returns are gross returns reduced by the actual management fees. Past performance is no guarantee of future results.



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Integrity • Experience • Teamwork • Performance

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