

# **Canterbury**Consulting

# **Quarterly Asset Class Report**

# **Taxable Fixed Income**

Canterbury Consulting ("CCI") is an SEC registered Investment Adviser. Information pertaining to CCI's advisory operations, services, and fees is set forth in CCI's current Form ADV Part 2 (Brochure), a copy of which is available upon request and at <u>www.adviserinfo.sec.gov</u>. Information provided through CCI's Quarterly Outlook related to market or asset class performance figures is believed to be derived from reliable sources. However, CCI assumes no responsibility for their content or the manner in which the viewer utilizes such information. The performance information presented in certain charts or tables is for informational purpose only and represents historical performance related to trading in actual accounts. Any recommendations or statement made in the Quarterly Outlook is not to be construed as specific investment advice. The viewer should be aware of the inherent limitations of data derived from the retroactive application of historical data developed with the benefit of hindsight and that actual results for the same period when including the deduction of advisory fees, brokerage or other commissions, and any other expenses that a client would have paid.

canterburyconsulting.com

March 31, 2016

## Role in the Portfolio

Canterbury Consulting recommends and communicates asset-class strategy with the objective of constructing a diversified portfolio of fixed income strategies designed to (in aggregate):

- (i) Preserve after-tax wealth and mitigate volatility
- (ii) Maintain comparable exposure to the broad municipal market
- (iii) Exhibit returns uncorrelated to equity markets



- Canterbury global fixed income portfolios are expected to deliver consistent after-tax and net of fees excess returns and moderate tracking error versus the Barclays Municipal Bond Index
- Canterbury's fixed income portfolios will exhibit benchmark-like after-tax yields and credit quality. However, they will
  do so with more portfolio diversification and lower duration

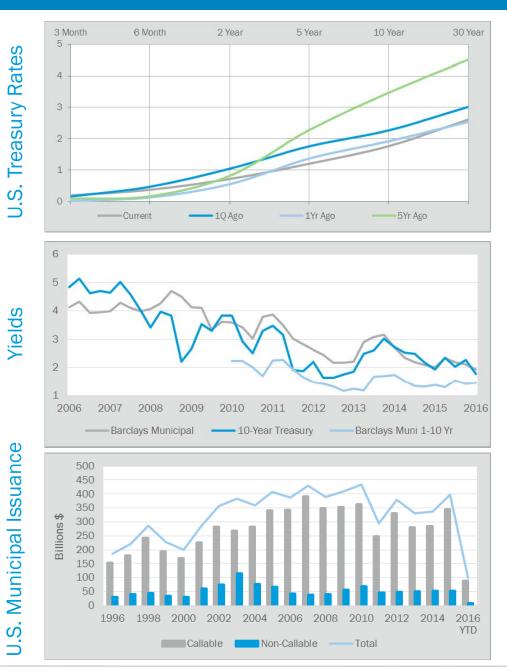
## Index Returns

Fixed Income

	QTD	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
Barclays Global Aggregate	5.90	5.90	4.57	0.87	1.81	3.72	4.35
Barclays US Agg Bond	3.03	3.03	1.96	2.50	3.78	4.52	4.89
U.S. Treasurys							
BofAML 3M US Treasury Note	0.10	0.10	0.18	0.09	0.10	0.12	1.16
Barclays Short Treasury	0.19	0.19	0.27	0.17	0.17	0.22	1.33
Barclays Intermediate Treasury	2.35	2.35	2.25	1.53	2.59	2.43	4.04
Barclays Long Term US Treasury	8.15	8.15	2.77	6.13	9.66	6.73	7.97
Barclays U.S. Treasury TIPS 0-5Y	1.81	1.81	1.41	-0.45	0.72	2.08	2.96
Barclays US Treasury US TIPS	4.46	4.46	1.51	-0.71	3.02	4.16	4.62
U.S. Corporate Credit							
Barclays US Corp IG	3.97	3.97	0.92	3.03	5.17	7.98	5.82
S&P/LSTA Leveraged Loan	1.55	1.55	-1.25	1.85	3.23	8.98	4.27
BofAML US HY Master II	3.25	3.25	-3.99	1.75	4.71	12.35	6.85
BofAML US HY BB-B Constrained	3.15	3.15	-2.34	2.51	5.15	11.11	6.52
BofAML US Corporate AAA	4.42	4.42	2.87	3.47	4.49	5.19	4.69
BofAML US Corporate AA	3.68	3.68	2.46	3.20	4.56	6.27	4.97
BofAML US Corporate A	3.64	3.64	2.01	3.27	5.15	7.78	5.25
BofAML US Corps BBB	4.27	4.27	-0.36	2.73	5.36	9.39	6.53
BofAML US High Yield BB	3.71	3.71	-0.04	3.72	5.93	11.38	7.43
BofAML US High Yield B	2.45	2.45	-5.24	1.00	4.20	10.91	5.58
BofAML US High Yield CCC	3.82	3.82	-13.31	-2.69	1.81	15.15	6.54
Securitized							
Barclays ABS	1.36	1.36	1.71	1.38	2.46	4.87	3.40
Barclays MBS	1.98	1.98	2.43	2.70	3.24	3.68	4.85
Barclays CMBS	3.50	3.50	2.89	2.49	4.24	9.73	5.72
Municipala							
Municipals	1.67	1.67	2.00	3.63	5.59	5.59	4.86
Barclays Municipal			3.98				
Barclays Muni 1-10	1.11	1.11	2.55	2.21	3.25	3.46	3.97
Global							
Citi WGBI	7.09	7.09	5.92	0.49	1.16	2.74	4.19
Barclays GbI Agg Ex USD	8.26	8.26	6.69	-0.32	0.39	3.11	3.89
JPM EMBI Plus	5.94	5.94	5.88	2.78	6.08	9.26	7.12



### **Market Environment**



## U.S. long-term interest rates declined along the yield curve as global growth (and recessionary) concerns came to

- the forefront and rates in Japan and Europe went negative or moved closer to zero
- High yield had a volatile quarter, however, the BoFA Master II High Yield Index was up 3.25% by the end of March. High yield started to rebound by the middle of February as commodity and oil prices bounced back from their lows
- Rates declined and currencies appreciated in several EM countries as a dovish Fed and a rebound in commodity prices took priority. Positive investor sentiment in the second half of the quarter led to a rally in emerging markets.
- New issuance in the municipal market was slow to start the year. Municipal yields fell in tandem with treasury yields

Source: Securities Industry and Financial Markets Association ("SIFMA"); U.S. Treasury Department; Barclays

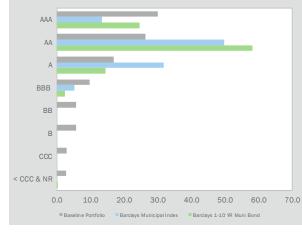
### **Fixed Income**

### **Portfolio Characteristics**

#### Sector Distribution

	Baseline Portfolio	Barclays Municipal Index	Barclays 1-10 YR Muni Bond
US Treasury	2.8%	0.0%	0.0%
Agency	3.6%	0.0%	0.0%
Local Authority (non-US)	0.5%	0.0%	0.0%
Municipal (US)	44.4%	100.0%	100.0%
Sovereign (non-US)	19.2%	0.0%	0.0%
Supranational	0.2%	0.0%	0.0%
Corporate	6.5%	0.0%	0.0%
Bank Loans	4.0%	0.0%	0.0%
MBS	7.7%	0.0%	0.0%
ABS	0.2%	0.0%	0.0%
CMBS	0.8%	0.0%	0.0%
Other & Cash	10.1%	0.0%	0.0%

#### **Credit Quality Distribution vs. Benchmark**



#### **Regional Distribution - Country Allocation**

	Baseline Portfolio	Barclays Municipal Index	Barclays 1-10 YR Muni Bond
US	73.0%	100.0%	100.0%
Non-US Developed	16.2%	0.0%	0.0%
Non-US Emerging	10.8%	0.0%	0.0%

#### **Regional Distribution - Currency Allocation**

	Baseline Portfolio	Barclays Municipal Index	Barclays 1-10 YR Muni Bond
US	87.2%	100.0%	100.0%
Non-US Developed	-0.5%	0.0%	0.0%
Ion-US Emerging	13.3%	0.0%	0.0%

#### Portfolio Characteristics

		Baseline Portfolio	Barclays Municipal Index	Barclays 1-10 YR Muni Bond
	Effective Duration	3.01	6.24	4.00
	Yield to Maturity (%)	3.95	2.18	1.53
	Coupon Rate (%)	4.09	4.80	4.81
	Average Credit Quality (Barclays)	А	AA	AA
	Portfolio Checklist			

#### ortfolio Checklist

	Baseline Portfolio	Barclays Municipal Index	Barclays 1-10 YR Muni Bond
Yield <sup>1</sup>	$\checkmark$	$\checkmark$	×
Duration <sup>2</sup>	$\checkmark$	$\checkmark$	$\checkmark$
Credit Quality <sup>3</sup>	$\checkmark$	$\checkmark$	$\checkmark$
Sector Diversification <sup>4</sup>	$\checkmark$	×	×
Region Diversification <sup>5</sup>	$\checkmark$	×	×

1. The yield-to-maturity ("YTM") should be 80% of the YTM of the benchmark or greater

2. Duration should not exceed the benchmark

3. Average credit quality, using Barclays methodology, should be BBB or higher

4. No sector should exceed 50% of the total allocation and at least half of the sectors should have allocations greater than 2.5%

5. No region (see "Regional Distribution") should exceed 75% of the of the total allocation

- Canterbury recommends reducing interest rate exposure by targeting a portfolio duration less than that of the benchmark (Barclays Municipal Index)
- Investors can lower portfolio duration (while maintaining yield) by allocating to credit and diversifying globally
- Inefficiencies in the municipal market allow us to target similar credit quality as the benchmark with much less duration risk
- Canterbury attempts to maximize the risk return relationship of fixed income portfolios by spreading risk across several factors (interest rate, credit, prepayment, liquidity, currency, political, counterparty, etc.)

# The Baseline Portfolio has allocations to the following investment manager types: 50% Municipals, 30% Global, 10% Credit, and 10% Mortgage-Backed Source of Benchmark Information: Barclays

# CanterburyConsulting

### Fixed Income