

A New Era of Income

11000.000

Helping Clients Tap into a Range of Opportunities



A New Era of Income



Today's Speakers



Richard Holt, CFA

Chief Investment Strategist Legacy Advisors



Ben Kirby, CFA

Co-Head of Investments Managing Director Thornburg



Jeff Klingelhofer, CFA

Co-Head of Investments Managing Director Thornburg



Matt Burdett

Portfolio Manager Managing Director Thornburg

Audience Poll



Polling Questions: Client Concerns

- What is your expected annual return on a multi-asset portfolio over the coming 3-5 years?
 3% | 5% | 7% | 10% | -5%
- 2. Where are the most attractive opportunities for income for next 3-5 years? Equities | Fixed Income | Cash/Money Markets | Real Estate | Crypto
- 3. What is the likely economic scenario over the next 12 months? Recession | Soft Landing | Accelerating Growth | End of World | Other
- 4. What is the 10-year Treasury peak yield?5.0% | 5.5% | 6.0% | Higher than 6.0% | Already Peaked
- 5. When will the Fed start lowering interest rates? 1Q 24 | 2Q 24 | 3-4Q 24 | 2025 or Beyond

REGIME CHANGE

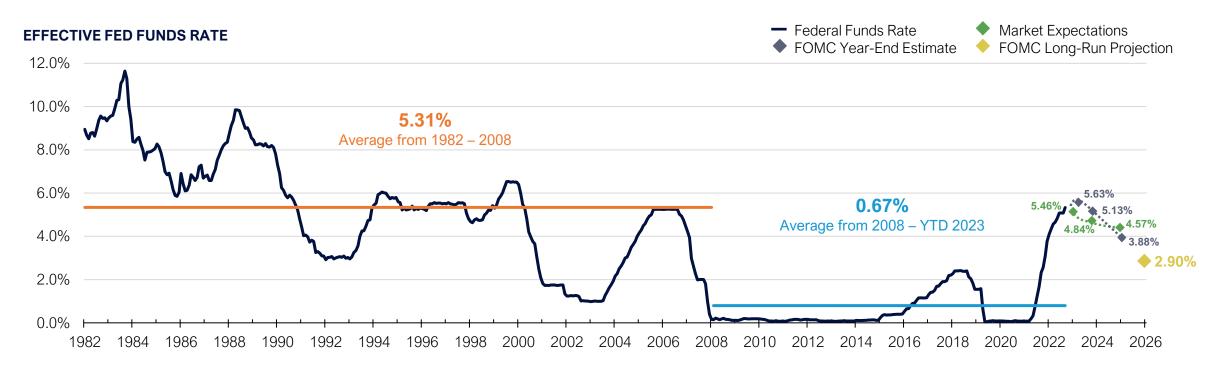
Key Implications:

- Fed policy creates seismic shift in cost of capital
- Changing influence of capital and labor
- Divergent impact on government, corporate & consumer balance sheets
- Secular change in cross-asset correlations



The Normalization of Cost of Capital Is Underway

Higher rates favor companies with positive cash flow and better stewardship of investor capital.



Source: Bloomberg

CENTRAL BANK BALANCE SHEETS (% OF GDP)

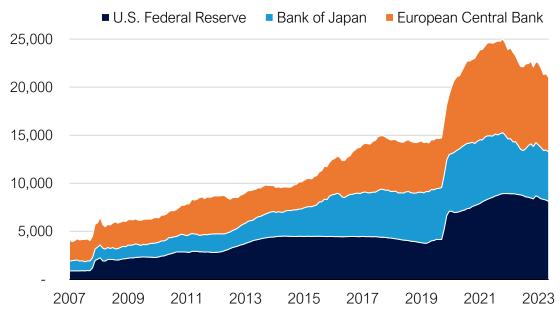


Expansion of Central Bank Balance Sheets

Quantitative easing was a global phenomenon that now restricts policy flexibility and pressures economic growth

140% 120% 100% 80% 60% 40% 20% 0% 2007 2009 2011 2013 2015 2017 2019 2021 2023

CENTRAL BANK BALANCE SHEET ASSETS (\$ BILLIONS)



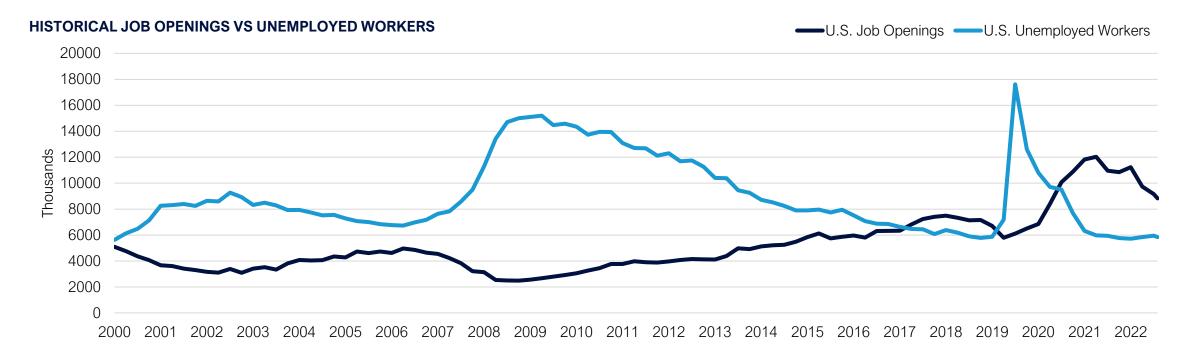
Source: Bloomberg, as of 31 August 2023

Labor Supply



A Structural Shift in the Supply of Labor

Workforce participation significantly lags pre-COVID levels



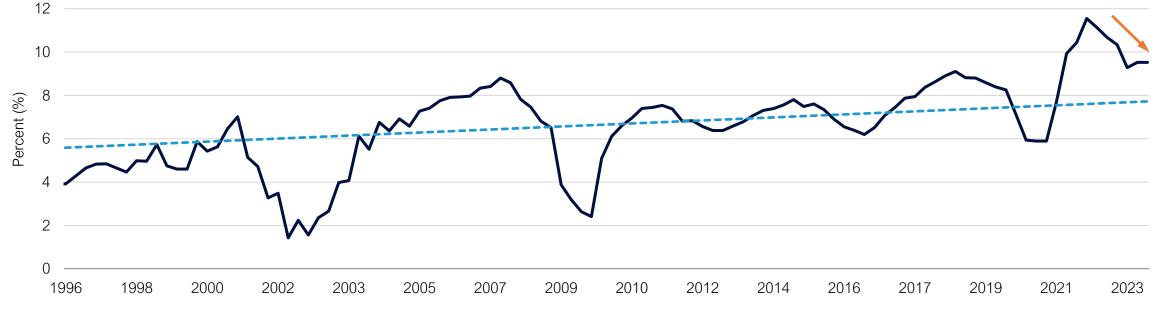
Source: Bloomberg, as of 31 July 2023



Increasing Labor Costs and Capital Inputs Pressure Profit Margins

Return to investing in companies with strong fundamentals to generate cash regardless of interest rate environment

MSCI WORLD INDEX: TRAILING 12-MONTH PROFIT MARGIN



Past performance does not guarantee future results.

Source: Bloomberg, as of 31 March 2023

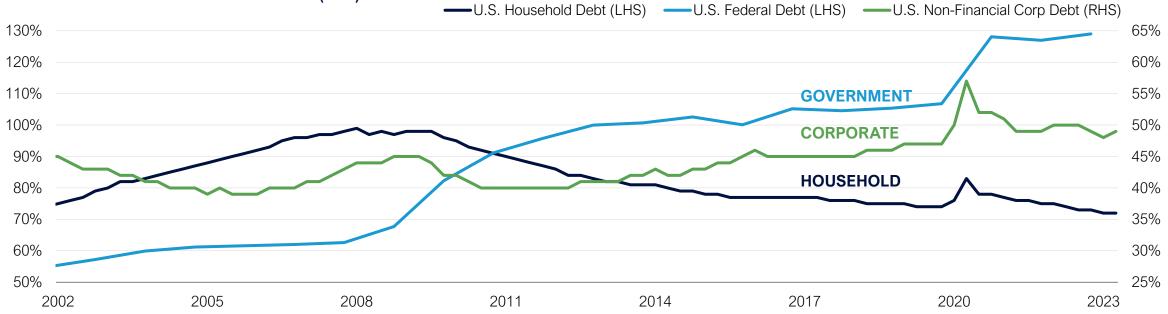
Balance Sheets



Not All Balance Sheets Are Created Equal

Investing at its core is about choosing good balance sheet exposure and avoiding the bad ones

% OF DEBT TO GROSS DOMESTIC PRODUCT (GDP)

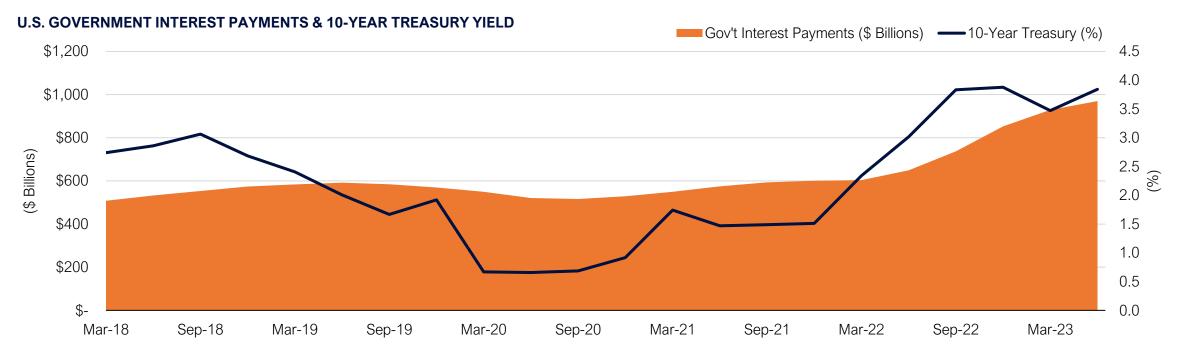


Source: Bloomberg, as of 30 June 2023



Rising Rates Matter a Lot for the Government Balance Sheet

Higher net interest costs, all things equal, means less ability for government spending to influence growth



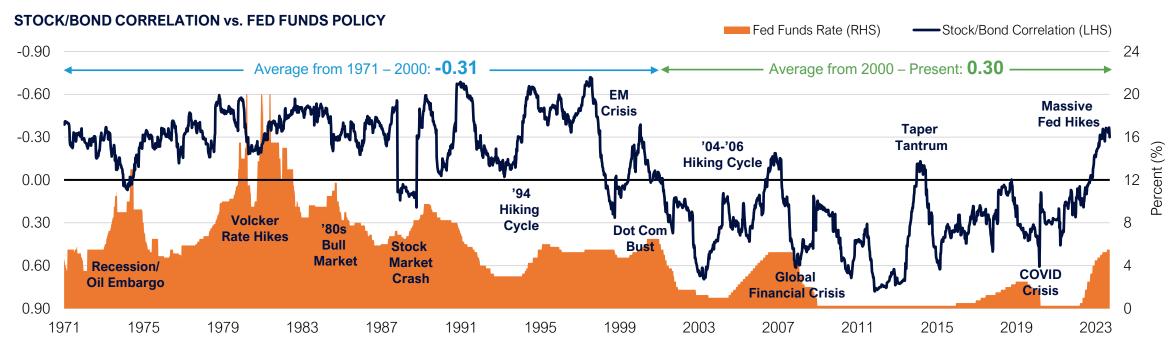
Past performance does not guarantee future results.

Source: Federal Reserve, as of 30 June 2023



Effective Portfolio Construction Depends on Correlations Expectations

Rate normalization means the potential for bonds to reassert themselves as ballast to the broader portfolio.



Past performance does not guarantee future results. Source: Bloomberg

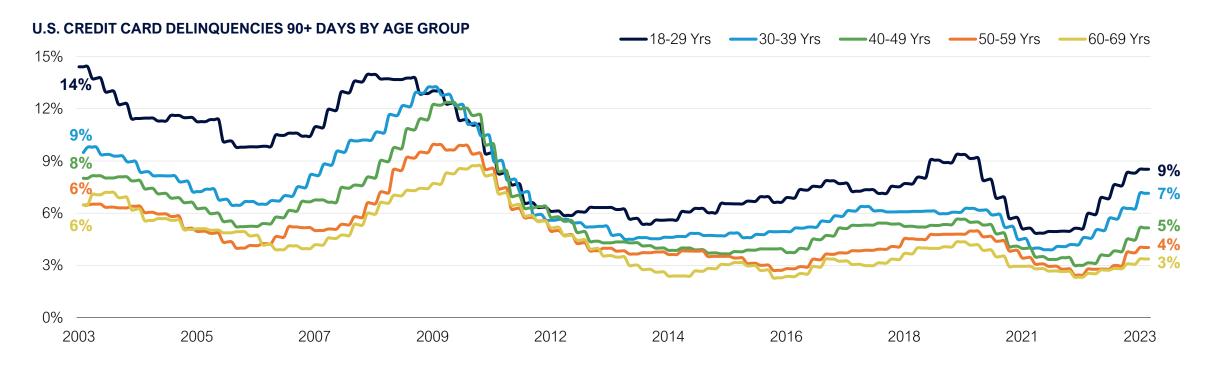
Core Inflation Thornburg Higher for Longer? Core inflation remains well above central bank targets HISTORICAL CORE INFLATION BY REGION (YoY) -U.S. Core Inflation ----Eurozone Core Inflation 7% 6% 5% 4% 3% 2% 1% 0% 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023

Source: Bloomberg



Consumer Credit: Delinquencies Rising from Post-pandemic Lows

Cracks in the consumer balance sheet increase the chance of recession



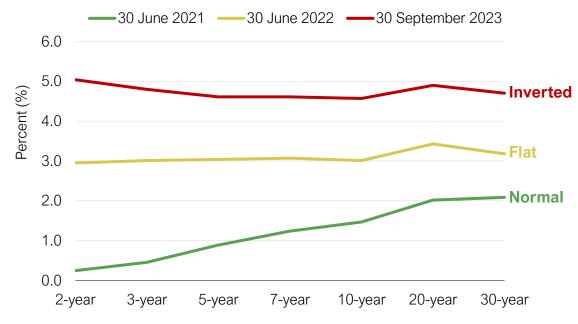
Source: Bloomberg, as of 31 August 2023 Data represents U.S. Credit Card Quality Index.



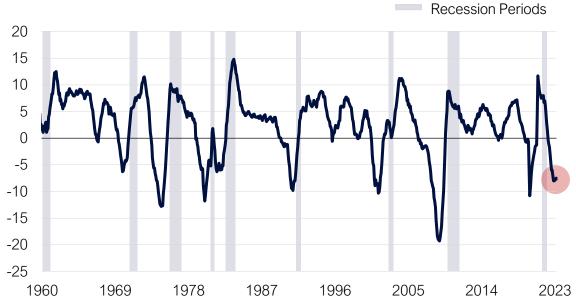
Recession: Traditional Indicators Issue a Warning

The signals have been incorrect – so far

U.S TREASURY YIELD CURVE







Past performance does not guarantee future results.

Source: Bloomberg, (RHS) as of 31 August 2023

Key Themes:

EQUITY

INCOME

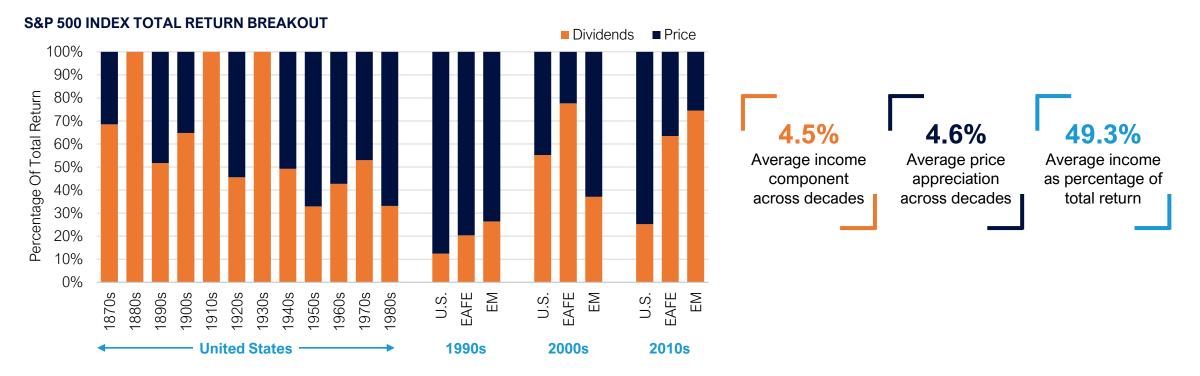
- Income is essential to strong long-term returns but can be cyclical
- International equities reveal better opportunities for dividend income
- Dividend stocks are cheap based on long-term valuations
- Companies that can grow dividends historically outperform
- Yield is not the same as income

Equity Income



Historically, Dividends Have Been Essential to Total Return

Over the long term, total shareholder returns (TSR) are roughly 50% price / 50% dividends



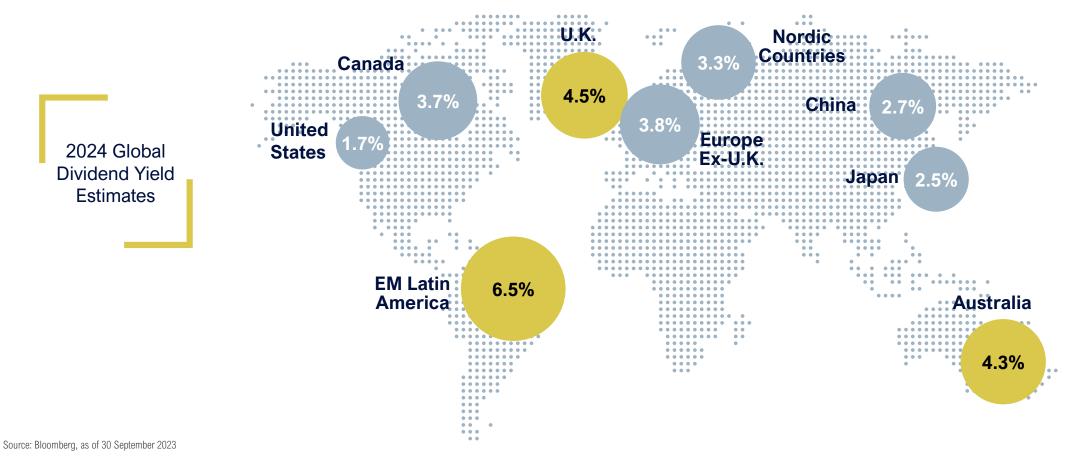
Past performance does not guarantee future results.

Sources: Jack W. Wilson and Charles P. Jones, "An Analysis of the S&P 500 Index and Cowles's Extensions: Price Indexes and Stock Returns, 1870–1999", Journal of Business, 2002, vol. 75 no 3. Data after 1990 is from Bloomberg, Confluence, and FactSet. Calculated by Thornburg Investment Management. Returns are annualized.



Non-U.S. Equity Markets Have Better Opportunities for Income

Investors must look globally for compelling yield

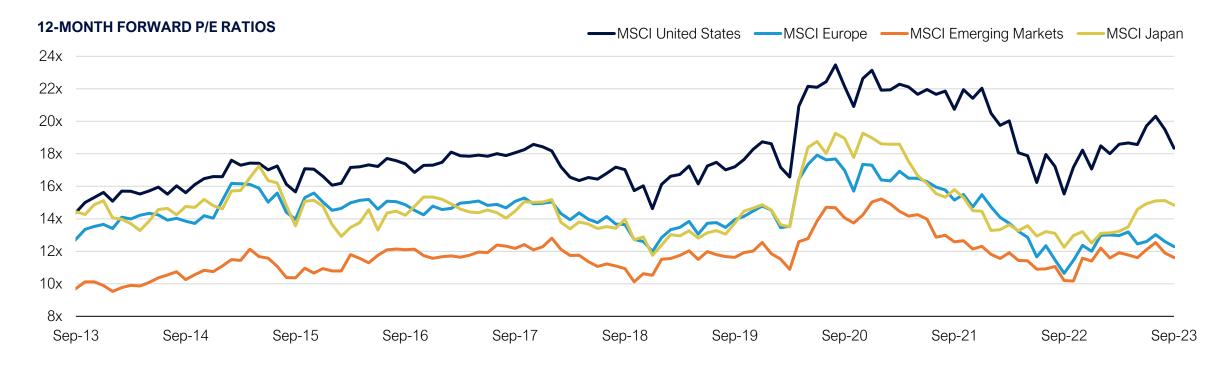


Equity Income



Relative Valuations Support Non-U.S. Assets

Non-U.S. markets present attractive bottom-up opportunities



Source: Bloomberg, as of 30 September 2023

Equity Income



Market Leadership Can Last Many Years

A cyclical shift could be a long-term tailwind for non-U.S. markets

ROLLING 3-YEAR ANNUALIZED RETURNS (FROM 1972 – YTD 2023)



 1972
 1974
 1976
 1978
 1980
 1982
 1984
 1986
 1992
 1994
 1996
 1998
 2000
 2002
 2004
 2006
 2012
 2014
 2016
 2018
 2020
 2022

 Past performance does not guarantee future results.

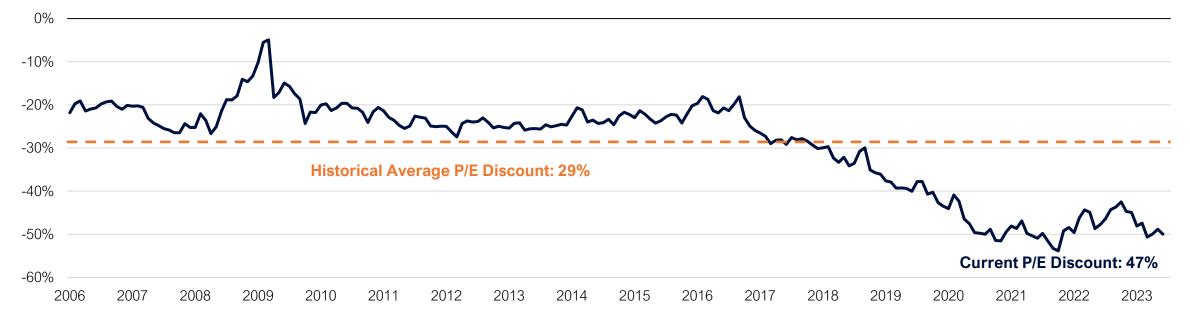
 Source: Bloomberg



Income Generating Equities Present Attractive Value

Income-oriented stocks are historically cheap vs. their growth counterparts

P/E DISCOUNT (NEXT 12 MONTHS' FORWARD): MSCI WORLD VALUE INDEX vs. MSCI WORLD GROWTH INDEX



Source: Bloomberg



Companies That Can Grow Their Dividend Have Historically Outperformed

Focus on companies with the ability and willingness to pay dividends

CUMULATIVE GROWTH OF THE S&P 500 INDEX BY DIVIDEND POLICY (INDEXED TO 100) Std Total Return Sharpe Deviation Growth of \$100 (annual) Ratio (annual) \$10,000 **Dividend Growers & Initiators** 10.17% 0.35 16.14% \$13,432 All Dividend Paying Stocks 9.12% 0.27 16.89% \$8,300 \$1,000 S&P 500 Geometric 7.69% -0.21 17.75% \$4,243 Equal-Weighted TR **Dividend Payers** 6.63% 0.11 18.58% \$2,575 No Change in Dividends \$100 Non-Dividend Paying Stocks 4.19% -0.01 22.15% \$797 **Dividend Cutters &** -0.71% -0.21 25.11% \$70 Eliminators \$10 1973 1978 1983 1988 1993 1998 2003 2008 2013 2018 2023

Past performance does not guarantee future results.

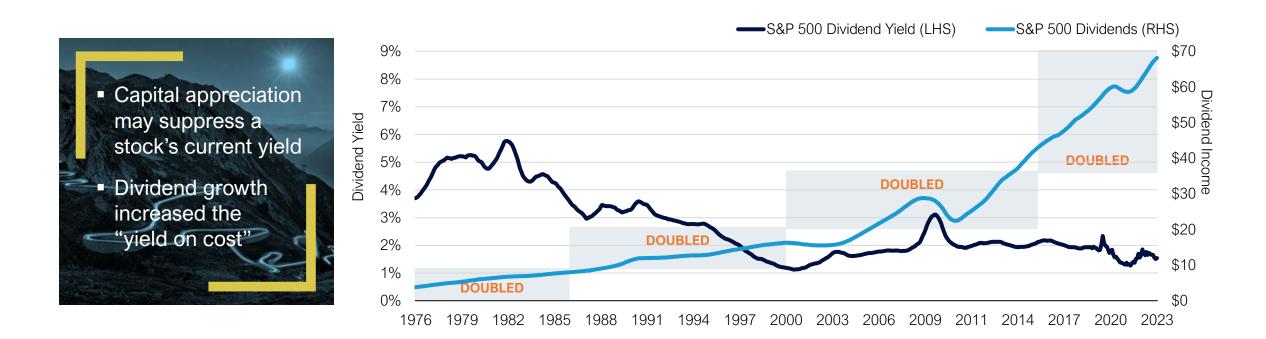
Source: Ned David Research and Revfnitiv 1973 through 31 August 2023

Equity Income



Yield Is Not the Same as Income

Focus on long-term income growth for client portfolios rather than chasing absolute yield



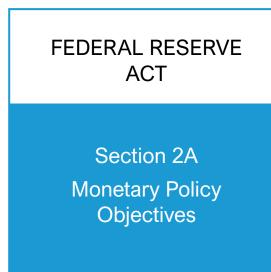
Past performance does not guarantee future results. Source: Bloomberg, as of 31 August 2023

FIXED
INCOMEKey themes:• Fed's THREE mandates• Speed and flexibility is essential when markets dislocate• Market behavior during dislocations is not all the same• Is Cash Really King? Why Bonds Should Reign



The Federal Reserve Has Not Two but THREE Mandates

The third mandate has shifted from a focus on financial stability to one of social stability



FEDERAL RESERVE ACT

The Board of Governors of the Federal Reserve System and the Federal Open Market Committee shall maintain long run growth of the monetary and credit aggregates commensurate with the economy's long run potential to increase production, so as to promote effectively the goals of:

- Maximum employment
- Stable prices
- Moderate long-term interest rates

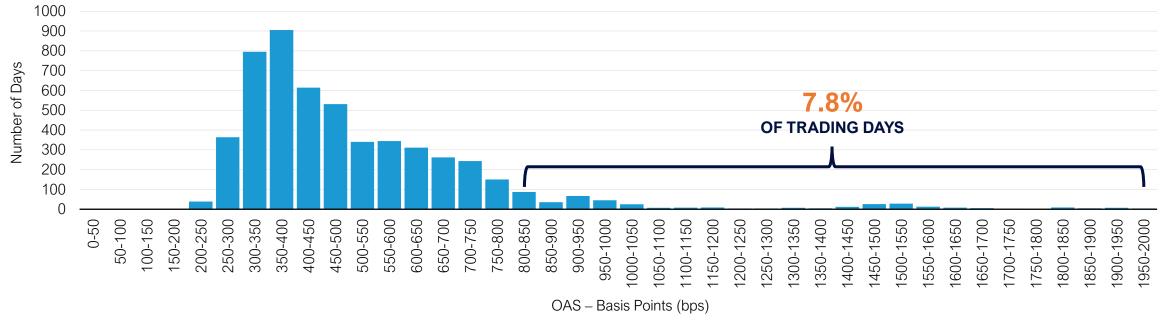
Source: Federal Reserve, 12USC 225a. As added by act of November 16,1977 (91 Stat.1387) and amended by acts of October 27, 1978 (92 Stat.1897): Aug. 23,1988 (102 Stat. 1375): and Dec.27, 2000 (114 Stat. 3028).



Spreads over Time Do Not Resemble a Normalized Distribution

Dislocations and recovery happening faster and faster, which emphasizes the need for quicker investor decision-making

BLOOMBERG HIGH YIELD INDEX OPTION ADJUSTED SPREAD (OAS): DAILY DATA POINTS SINCE 2002



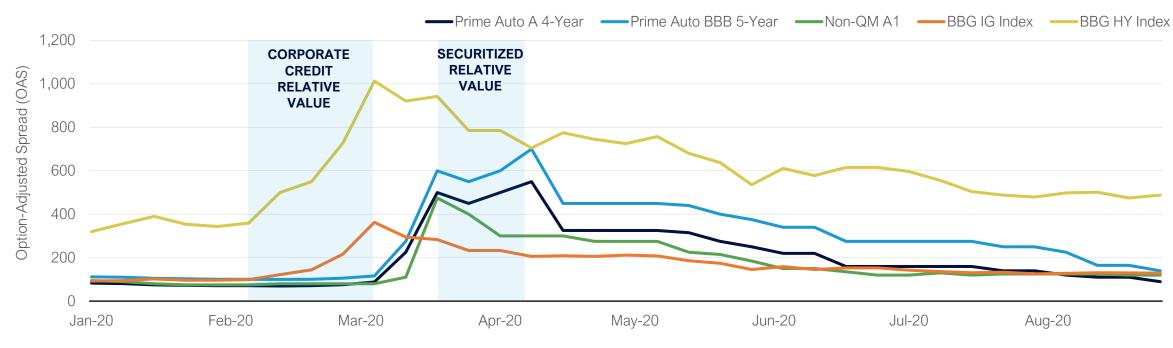
Past performance does not guarantee future results.

Source: Bloomberg, as of 30 September 2023



Market Behavior during Dislocations Is Not All the Same

Flexible investors can capitalize on dislocations as they occur, which can augment upside participation

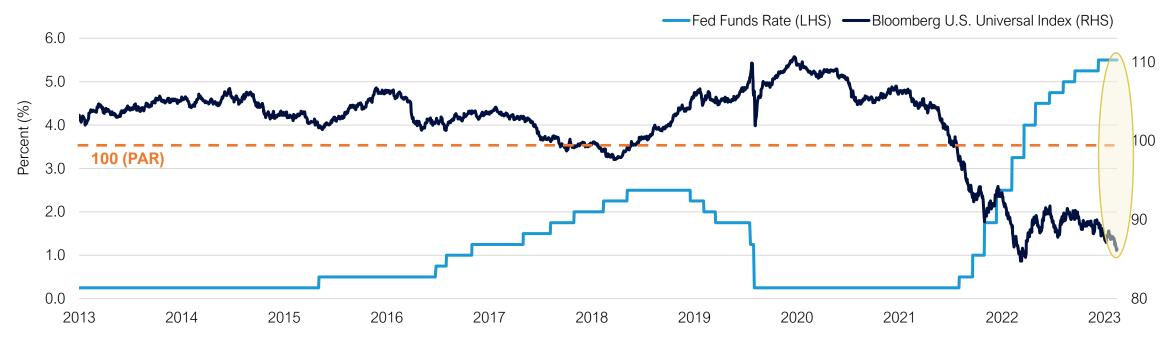


Past performance does not guarantee future results. Source: BofA Global Research, Bloomberg. as of 31 August 2020



Today's Rate Environment Leaves Fixed Income Market Priced at a Discount

Return generation will be driven not only by income but the 'pull-to-par'



Past performance does not guarantee future results.

Source: Bloomberg, as of 30 September 2023



Is Cash Really King? Why Bonds Should Reign

Fixed Income has largely outperformed cash when the Fed stops raising rates

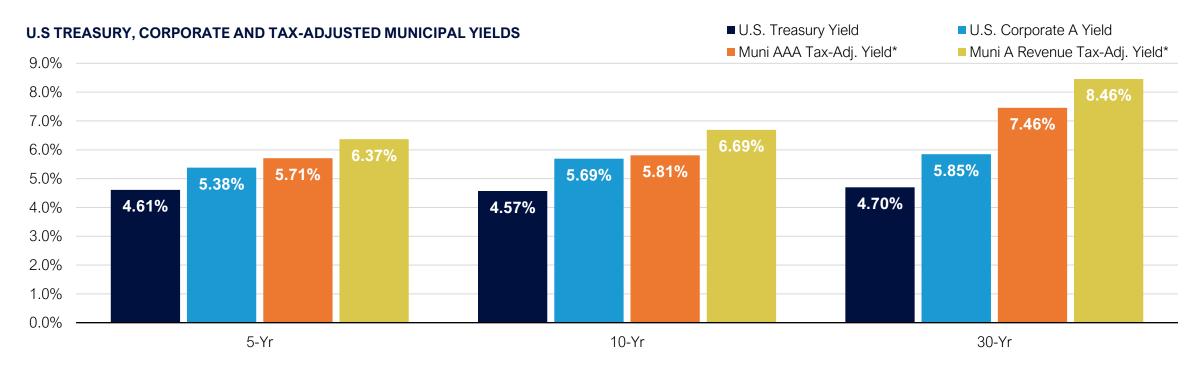
			SUBSEQUENT 1-YEAR RETURN				SUBSEQUENT 2-YEAR RETURN			
PERIOD	FED HIKING CYCLE	END OF CYCLE	U.S. TREASURY BILL	U.S. IG CORPORATES	U.S. MBS	U.S. HY CORPORATES	U.S. TREASURY BILL	U.S. IG CORPORATES	U.S. MBS	U.S. HY CORPORATES
1994-1995	3.00% - 6.00%	1 Feb 1995	6.16%	20.48%	15.22%	19.65%	5.75%	11.25%	10.15%	14.96%
1999-2000	5.00% - 6.50%	16 May 2000	6.30%	14.55%	14.37%	1.79%	4.56%	10.54%	11.20%	1.82%
2004-2006	1.00% - 5.25%	29 Jun 2006	3.96%	7.21%	6.69%	4.46%	4.44%	5.06%	7.24%	4.67%
2015-2018	0.25% - 2.50%	20 Dec 2018	2.39%	14.43%	6.70%	14.19%	1.58%	11.85%	5.36%	10.40%

Past performance does not guarantee future results. Source: Bloomberg



Despite Rally in Munis, Tax-Exemption Makes Yields Relatively Appealing

Tax-adjusted municipal yields compare or eclipse U.S. Treasuries and high-grade corporates



Past performance does not guarantee future results.

Source: Bloomberg, as of 30 September 2023 *Top Federal marginal rate of 37% plus 3.8% Medicare surcharge.

MULTI-ASSET INCOME

Key themes:

- Putting the multi-asset portfolio puzzle together requires flexibility and agility
- Essential to look across and within asset classes for opportunity
- Income comes in many sizes and shapes

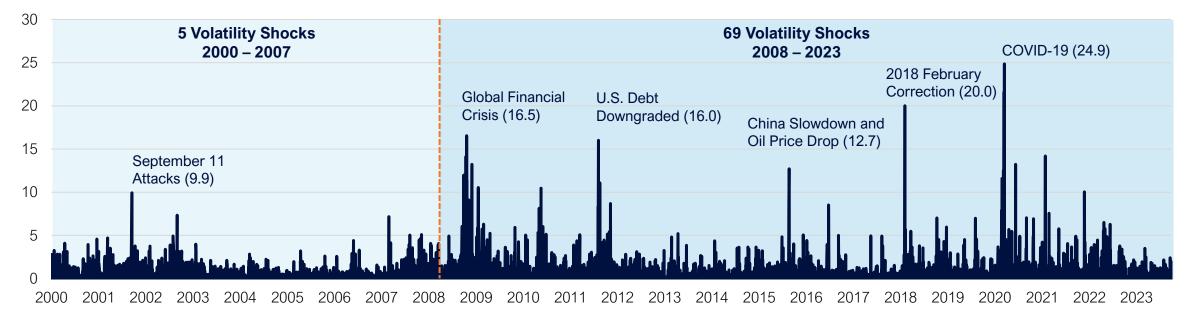
Multi-Asset Income



A New Era of Extreme Volatility

Is there a fundamental change in frequency, direction and magnitude of markets?

VOLATILITY SHOCKS = # OF DAYS VIX INDEX MOVED GREATER THAN 5 POINTS IN ONE DAY

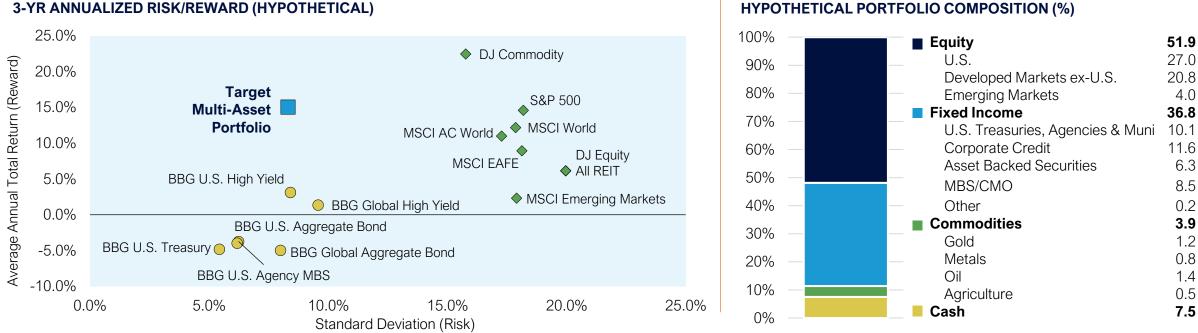


Source: Bloomberg, and SG Cross Asset Research/Derivatives From 31 December 1999 through 30 September 2023



A Total Portfolio Solution to Grow Assets across Market Cycles

A global, diversified portfolio designed to capture market opportunity and manage market volatility



3-YR ANNUALIZED RISK/REWARD (HYPOTHETICAL)

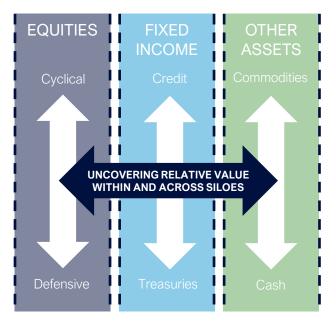
Performance data shown represents past performance and is no guarantee of future results.

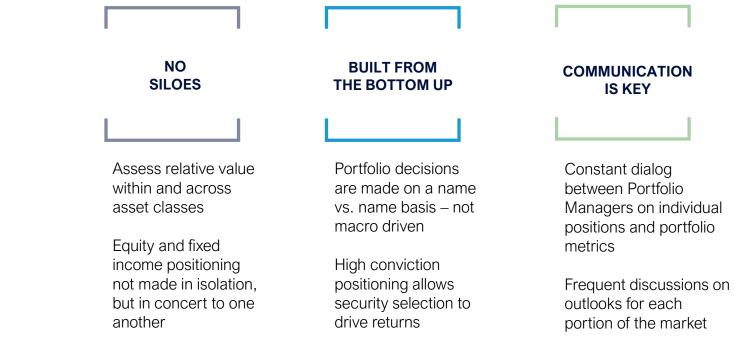
The Multi-Asset Portfolio risk and reward expectations, and portfolio composition information is hypothetical and for illustration purposes only. Under no circumstances does the information represent a recommendation to buy or sell.



Integrated Portfolio Construction

A holistic approach to asset allocation informed by fundamentals





Decision-making by consensus

A New Era of Income



Speaker Biographies



Richard Holt, CFA Chief Investment Strategist Legacy Advisors

Richard Holt is a Chief Investment Strategist with Legacy Advisors, LLC. He joined Legacy in 2005 to significantly expand the firm's Investment Advisory Services and was responsible for developing the firm's investment strategy and operating platform. He currently serves on the Investment Policy Committee and manages client portfolios and relationships.

Prior to joining Legacy Advisors, LLC, Richard was a Managing Director at 1838 Investment Advisors. His duties included co-managing the firm's US large cap equity strategy, covering various industries from an analytical standpoint and managing client portfolios and relationships. As a research analyst, Richard was voted to the Institution Investor magazine's All-American Research Team on four occasions.

He received a Bachelor of Science degree (Cum Laude) from the University of Richmond in 1980. Richard holds the Chartered Financial Analyst (CFA®) designation and is a member of the CFA Society of Philadelphia and the CFA Institute. Richard currently resides in Newtown Square, PA, with his wife. In his spare time, he competes as a long-distance triathlete and has completed two Ironman distance events.



Ben Kirby, CFA

Co-Head of Investments and Managing Director Thornburg Investment Management

Ben Kirby is co-head of investments for Thornburg Investment Management. He is responsible for driving the investment process at the firm level. Ben is also a portfolio manager on multiple strategies. He joined Thornburg in 2008 as equity research analyst, was promoted to associate portfolio manager in 2011, and was named portfolio manager and managing director in 2013.

Ben holds a BA in computer science from Fort Lewis College and an MBA from Duke University's Fuqua School of Business. Prior to graduate school, Ben was a software engineer at Pinnacle Business Systems in Oklahoma City, Oklahoma. He is a CFA charterholder.



Jeff Klingelhofer, CFA Co-Head of Investments and Managing Director Thornburg Investment Management

Jeff Klingelhofer is co-head of investments for Thornburg Investment Management. He is responsible for driving the investment process at the firm level. Jeff is also a portfolio manager on multiple strategies. He joined the firm in 2010, then was promoted to associate portfolio manager in 2012. In 2015, Jeff was made portfolio manager and managing director.

Jeff earned a BA in economics with a minor in business from the University of California at Irvine, and an MBA from the University of Chicago Booth School of Business in 2010. He is also a CFA charterholder. Prior to joining Thornburg Investment Management, Jeff spent four years with PIMCO, where he was responsible for monitoring portfolio leverage and risk tolerances.



Matt Burdett Portfolio Manager and Managing Director Thornburg Investment Management

Matt Burdett is portfolio manager for Thornburg Investment Management. He rejoined the firm in 2015 as an associate portfolio manager and was promoted to portfolio manager in 2018. Matt spent several years as a senior vice president and portfolio manager at PIMCO, where he comanaged various dividend-oriented strategies. Prior to his time at PIMCO, Matt worked as an equity analyst at Thornburg.

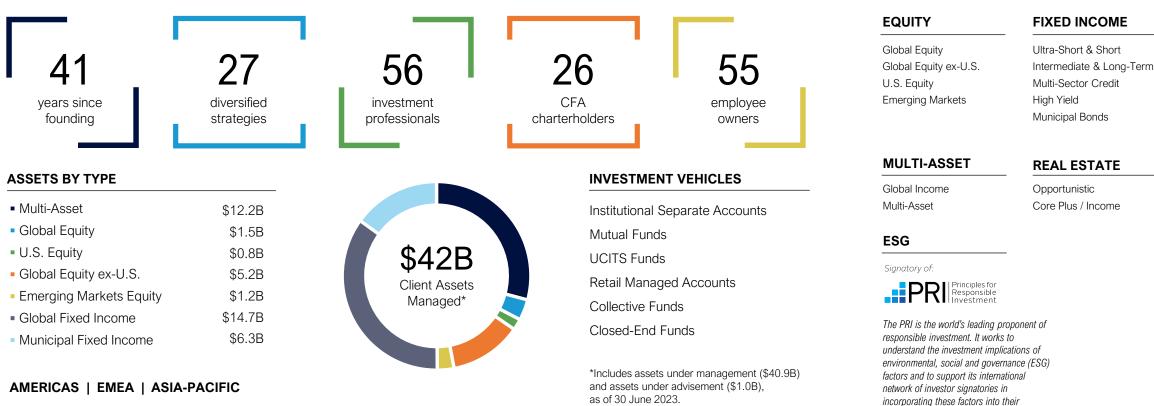
Matt was director of healthcare investment banking at CIBC World Markets / Oppenheimer prior to joining Thornburg in 2010. Earlier in his career, he was a medicinal chemist at Sunesis Pharmaceuticals. Matt holds an MBA from the Marshall School of Business at the University of Southern California and a bachelor's degree in chemistry from the University of California, Berkeley.

APPENDIX Thornburg Investment Management: Firm Overview Global Investment Generalists



Thornburg Investment Management

A global, multi-asset investment platform built to exploit market inefficiencies through active fundamental investing



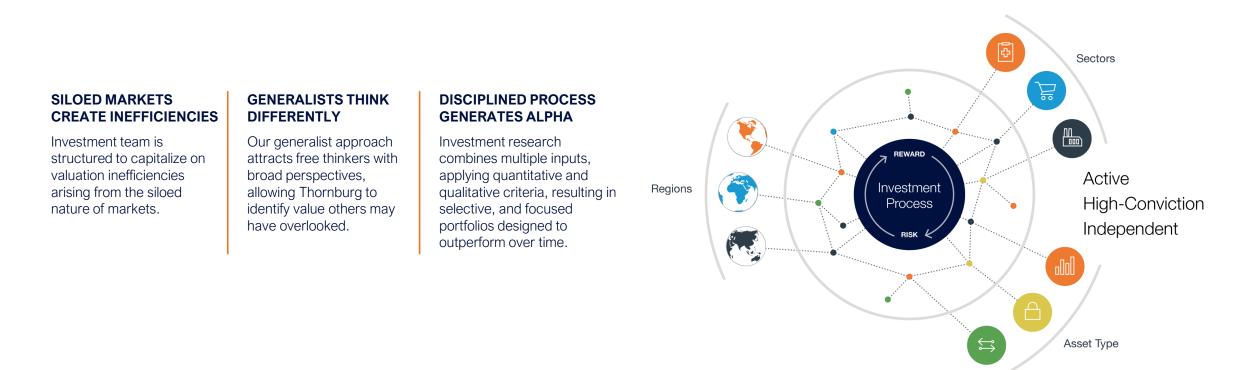
Santa Fe, New Mexico | Hong Kong | Shanghai

investment and ownership decisions.



Global Investment Generalists

The siloed nature of markets create inefficiencies that generalist investors are built to exploit. A broad, global investment perspective within a team-based culture and structure guides investment research, security selection and risk-management.





www.thornburg.com

Our client teams are here to support you.

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