

# PRIVATE MARKET ALLOCATIONS:

THEORY VS. REALITY

April 6, 2022

Presented by

## Wylie Tollette, CFA

Executive Vice President,
Head of Client Investment Solutions
Franklin Templeton Investment Solutions

# **Private Market Allocations: Theory vs. Reality**

Investors have increasingly sought access to private markets to achieve their long-term return, risk and diversification objectives.

# These markets come with new portfolio opportunities and challenges, particularly:

- Strategic Asset Allocation
- Liquidity and Market Risk Management
- Governance and Oversight

This session seeks to highlight several practical solutions to these challenges, including:

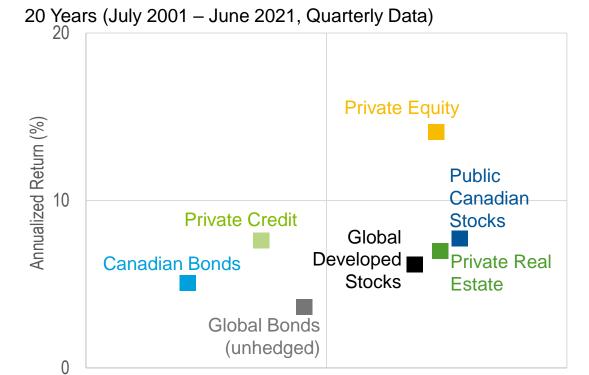
- Portfolio-level factor exposure and analysis
- "Proxy" assets and Reference portfolios
- Use of Value at Risk as a common risk definition and tool
- Strategic manager selection

# Why invest in Private Markets?

# **Theory**

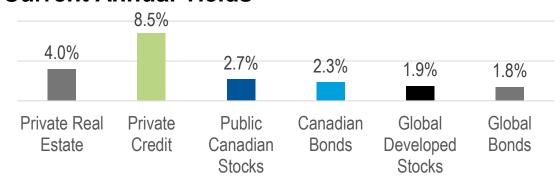
Private markets have the potential to deliver attractive risk-adjusted returns and diversification

### Historical Performance vs. Risk<sup>1</sup>



Annualized Standard Deviation (%)

## Current Annual Yields<sup>1,2</sup>



### Correlations to Traditional Assets<sup>1</sup>

20 Years (7/2001 – 6/2021, Quarterly Data)

	Public Canadian Stocks	Canadian Bonds	Global Developed Stocks	Global Bonds (unhedged)
US Private Credit	-0.27	0.09	0.08	0.50
US Private Real Estate	0.00	-0.19	0.12	-0.05
US Private Equity	0.62	-0.10	0.76	-0.26

#### Currency: CAD

20

Canada Aggregate: Barclays Live Yield to Worst as of 2/28/2022.

<sup>1-</sup> Private Equity: Cambridge Associates LLC U.S. Private Equity, Private Credit: Cliffwater Direct Lending Index (Unlevered, Gross of Fees) back filled with Credit Suisse Leveraged Loan Index prior to January 2005, Private Real Estate: NCREIF Fund ODCE, Public Canadian Stocks: S&P/TSX Composite Index, Canadian Bonds: Bloomberg Canada Aggregate TR CAD, Global Developed Stocks: MSCI World NR Index, Global Bonds (unhedged): Bloomberg Global Aggregate TR. Standard deviation and correlation metrics include adjustments for autocorrelations.

2- Private Real Estate: Trailing 1 year income return for NCREIF ODCE (Gross of fee) as of 12/31/2021, Private Credit: http://www.cliffwaterdirectlendingindex.com/ as of 12/31/2021 (Unlevered, Gross of Fee), S&P/TSX Composite Index: S&P Dow Jones Indices dividend yield as of 2/28/2022, Bloomberg

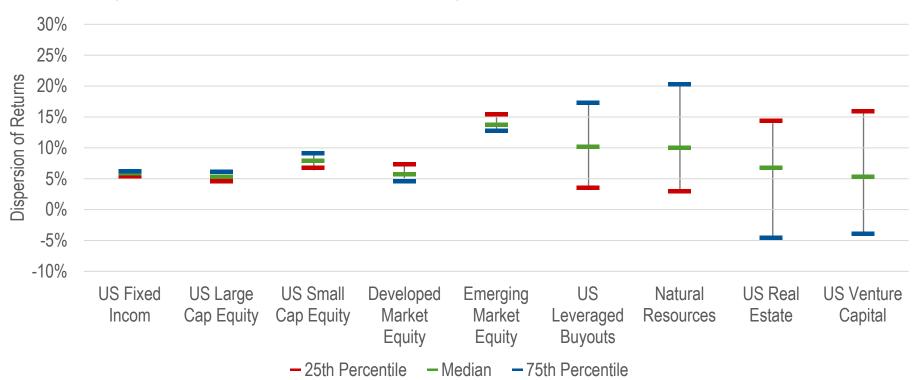
# Why invest in Private Markets?

# Reality

Returns are highly dependent on manager selection skill

## **Alternative Asset Returns Exhibit Significant Dispersion**

Active Manager Returns by Quartile for Periods Ending June 30, 2012



#### Solution

Complete deep due diligence on a small, select group of "strategic partner" managers, maintain allocations through market cycles, don't "over-diversify" by manager

Source: 2012 Yale Endowment Update

# **Strategic asset allocation**

# **Theory**

Mean Variance Optimization can be the primary input into long-term target asset class weights

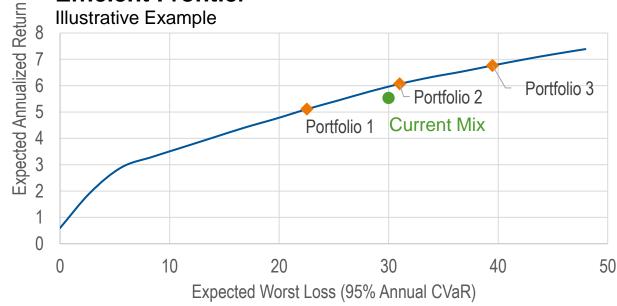


# Reality

Supply and organizational constraints eliminate Portfolio #3 as a realistic option (not to mention liquidity and risk!)

	Portfolio 1	Portfolio 2	Portfolio 3	<b>Current Mix</b>		
Return	5.1	6.1	6.8	5.7		
95% CVaR	23	31	39	30		
Standard Deviation	7.7	10.2	13.4	13		
Asset Allocation						
Cash	0.0	0.0	0.0			
Global Bonds	21.2	6.9	0.5			
Global Equities	26.3	38.9	47.2	70		
Hedge Funds	21.9	11.3	1.6	30		
US Private Credit	18.9	24.1	11.6			
US Private Real Estate	10.4	15.3	18.5			
US Private Equity	1.3	3.5	20.7			

#### **Efficient Frontier**



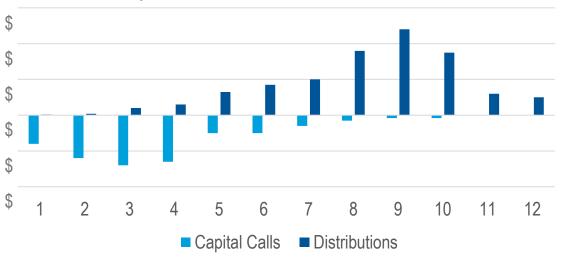
# **Liquidity Risk Management Illustrative Example**

# **Theory**

Illiquid assets require additional liquidity from elsewhere in the portfolio

## **Capital Calls and Distribution Profile**

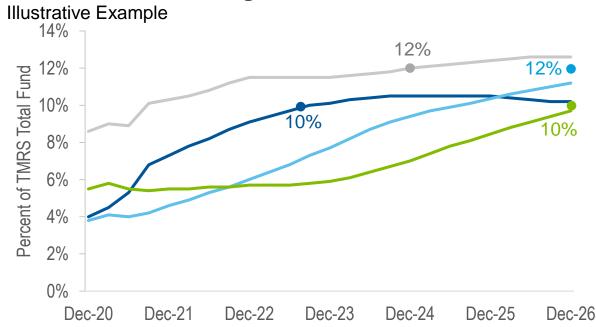
Illustrative Example



# Reality

- Private portfolios do require additional liquidity during a "build phase"
- Mature private portfolios give back more cash than they demand in most market environments.
- Build pacing models on what can be realistically deployed and accessed each year, with a margin for estimation error.

## **Private Market Pacing Plan**



Asset Class	Target Allocation
Private Equity	• 10%
Other Private Markets & Proxies	<ul><li>12%</li></ul>
Real Estate	<b>10</b> %
Non-Core Fixed Income	<ul><li>12% (est.)</li></ul>

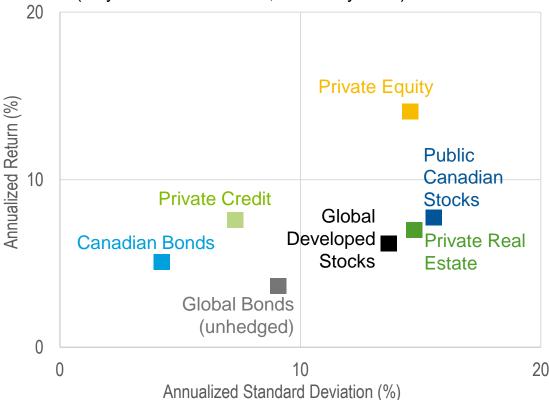
# **Measuring market risk**

## Theory

Volatility is a useful tool for measuring market risk across a portfolio

### Historical Performance vs. Risk<sup>1</sup>

20 Years (July 2001 – June 2021, Quarterly Data)



# Reality

"Value at Risk" and maximum drawdown may be more useful once private market assets are introduced

## Drawdown Chart<sup>2</sup>

Since Common Inception (September 2001 – June 2021)



Currency: CAD

For Institutional Use Only. Not For Public Distribution.

<sup>1-</sup> Private Équity: Cambridge Associates LLC U.S. Private Equity, Private Equity, Private Credit: Cliffwater Direct Lending Index (Unlevered, Gross of Fees) back filled with Credit Suisse Leveraged Loan Index prior to January 2005, Private Real Estate: NCREIF Fund ODCE, Public Canadian Stocks: S&P/TSX Composite Index, Canadian Bonds: Bloomberg Canada Aggregate TR CAD, Global Developed Stocks: MSCI World NR Index, Global Bonds (unhedged): Bloomberg Global Aggregate TR. Standard deviation and correlation metrics include adjustments for autocorrelations.

2. Private Markets Strategy – Hypothetical Back-Test: 50% Cambridge Associates US Private Equity Index, 25% NCREIF Fund ODCE Index, 25% Cliffwater Direct Lending Index. Annual rebalancing, quarterly data. Please see appendix for back-test methodology and relevant indices used.

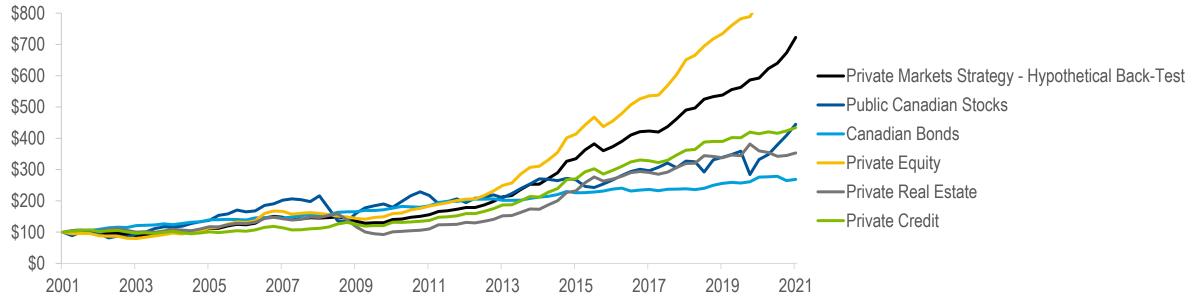
# **Governance and Oversight: Benchmarking**

# **Theory**

Benchmarks are an effective way to measure performance of private market asset classes

## Cumulative Growth of \$100<sup>1</sup>

Since Common Inception (July 2002 – June 2021)



## Reality

Public market comparables and reference portfolios may be a better way to evaluate the contribution of a private market allocation.

#### Currency: CAD

<sup>1.</sup> Private Markets Strategy – Hypothetical Back-Test: 50% Cambridge Associates US Private Equity Index, 25% NCREIF Fund ODCE Index, 25% Cliffwater Direct Lending Index. Annual rebalancing, quarterly data. Please see appendix for back-test methodology and relevant indices used., Public Canadian Stocks: S&P/TSX Composite Index, Canadian Bonds: Bloomberg Canada Aggregate TR CAD.

# **Governance and Oversight: Internal vs. External Management**

## **Theory**

Internal management saves costs and can improve performance



## Reality

Building an internal management program in private markets is complex and implicates new governance and management challenges. Consider outsourcing and external management until of sufficient scale.

# Hypothetical back-test methodology and relevant indices used in this presentation

#### **Private Markets Strategy – Hypothetical Back-Test:**

50% Cambridge Associates US Private Equity Index, 25% NCREIF Fund ODCE Index, 25% Cliffwater Direct Lending Index. Cliffwater Direct Lending Index is backfilled with the Credit Suisse Leveraged Loan Index prior to 9/30/2004. The Index assumes annual rebalancing and uses quarterly returns data. The hypothetical back-tested returns are gross of allocation fees and transaction costs. The index weights represent indicative expected long-term average strategy allocations to the respective asset classes.

#### **Cliffwater Direct Lending Index**

The Cliffwater Direct Lending Index (CDLI) seeks to measure the unlevered, gross of fee performance of U.S. middle market corporate loans, as represented by the asset-weighted performance of the underlying assets of Business Development Companies (BDCs), including both exchange-traded and unlisted BDCs, subject to certain eligibility requirements.

#### **Credit Suisse Leveraged Loan Index**

This index tracks the investable market of the U.S. dollar denominated leveraged loan market. This index is composed of all fully funded term loan facilities trading in the syndicated loan market.

#### **Cambridge Associates US Private Equity Index**

The index is a horizon calculation based on data compiled from 2,446 US private equity funds, including fully liquidated partnerships, formed between 1986 and 2021. All returns are net of fees, expenses, and carried interest.

#### **NCREIF Fund ODCE Index**

Represents the capitalization weighted performance of open-end commingled private real estate funds pursuing a core investment strategy. Reported gross of fees. Measurement is time-weighted.

# **Important Information**



Franklin Templeton Investment Solutions (FTIS) is a global investment management group dedicated to multi-strategy solutions and is comprised of individuals representing various registered investment advisory entity subsidiaries of Franklin Resources, Inc., a global investment organization operating as Franklin Templeton. This material is intended only as a general overview, is for informational purposes only and should not be construed or relied upon as investment, legal or tax advice. It is intended only for institutional investment management consultants, institutional investors or financial professionals. It is not meant for the general public. Information provided in this presentation is as of the date of this presentation, unless otherwise indicated and does not purport to be complete, nor does Franklin Templeton undertake any duty to update the information set forth herein. Franklin Templeton accepts no liability whatsoever for any loss arising from use of this information and reliance upon the information, opinions and analyses contained herein is at the sole discretion of the user. The information contained in this piece is not a complete analysis of every material fact regarding the market and any industry sector, a security, or a portfolio. Statements of fact cited by the manager and/or FTIS have been obtained from sources considered reliable, but no representation is made as to the completeness or accuracy. Because market and economic conditions are subject to rapid change, opinions and information provided are valid only as of the date of the material. Portfolio holdings and the manager and/or FTIS's analysis of these issuers, market sectors, and of the economic environment may have changed since the date of the material. As such, the information provided herein may not be construed as an investment recommendation of individual holdings or sector allocations, nor any forecast of performance for any product or strategy managed by FTIS.

Chartered Financial Analyst® (CFA)\* charterholder \*CFA® and Chartered Financial Analyst® are registered trademarks owned by CFA Institute.

This material is being distributed in Canada by Franklin Templeton Investments Corp.

© 2022 Franklin Templeton. All rights reserved