

# **Quarterly Asset Class Report** Real Assets

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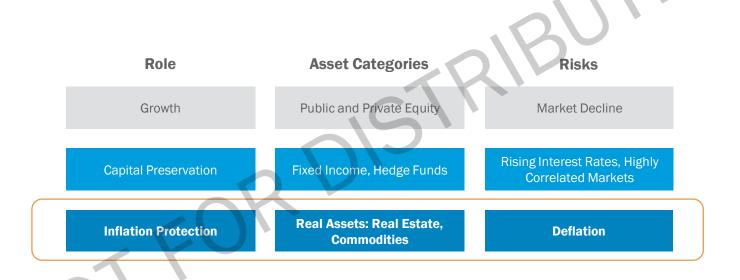
canterburyconsulting.com

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## **Role in the Portfolio**

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

- Preserve purchasing power
- Generate uncorrelated returns to other asset classes
- Manage the volatility profile of the segment



- Real assets are appropriate for investors with long time horizons (10+ years) and inflation-linked liabilities.

- Real asset portfolios should aim to maximize high inflation sensitivity and high inflation reliability.
- Portfolio allocations will differ depending on the client's risk tolerance.

## **Asset Class Indicators**

#### Real Assets



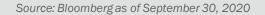
Current +- 1 Standard Deviation From the Mean

10-Year High and Low

• Canterbury monitors several inflation and real asset indicators to help detect imbalances that are expected to cause price pressures.

Inflation breakeven rates moved slightly higher as the Fed signaled that they may let inflation run above their 2% target for an extended period of time.

 Commodities and energy-related assets continued to rebound, albeit with elevated volatility. The demand outlook for energy remained subdued as the market assessed the timeframe of a broad-based economic recovery.



## **Sub-Asset Class Statistics**

#### Inflation Hedge . Farmland Timberland Private Real Estate • eliabilty (Batting Avg) 20 80 TIPS REITS Infrastructure Equities 0 Rel MLPs Natural Resource Equities . Commodities 0.5 -2.0 -1.0 0.0 1.0 2.0 3.0 4.0 5.0 Sensitivity (Beta)

Farmland, Timberland, and REITs are screened from inclusion in real asset portfolios because they don't exhibit a sensitivity to inflation of greater than zero.





Infrastructure equities are screened from real asset portfolios because they have a correlation of greater than 0.8 to equities.

Risk-adjusted returns of the remaining asset classes are used to help optimize real asset portfolios.

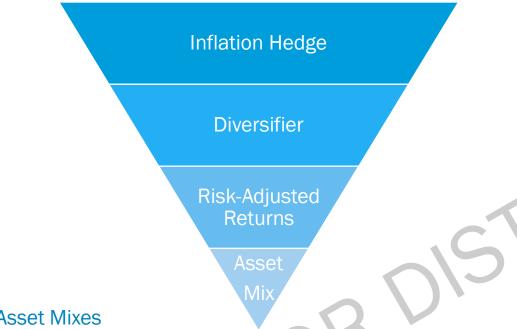
1) Based on 10-yr rolling data since inception 2) Takes average from 10-yr rolling data: FTSE NAREIT All Equity (1972), Bloomberg Commodity (1991), S&P NA Natural Resources (1996), Alerian MLP (1996), S&P Global Infra. (2002), NCREIF Property (1978), NCREIF Farmland (1992), NCREIF Timberland (1987), & Barclays US TIPS (1997) 3) as of June 30, 2020



## Real Assets

## **Portfolio Process & Construction**

### **Screening Process**



### Asset Mixes

Mixes	Sensitivity	Reliability	Correlation to Stocks	Correlation to Bonds	Sharpe Ratio
Liquid Direct	2.86	0.68	0.22	0.11	0.12
Dynamic Multi-Asset*	1.97	0.71	0.35	0.19	0.36
Diversified Direct	2.22	0.74	0.19	0.06	0.32
Morningstar U.S. Real Asset Index	0.83	0.78	0.68	0.05	0.42
CPI	1.00	1.00	-0.11	-0.28	NA

\* Principal DRA Strategy Mix

Based on historical data from 3/1/1997 to 6/30/2020 Sharpe ratios are 10-year trailing returns



· Canterbury utilizes a screening process to narrow down the asset classes for inclusion in real asset portfolios based on pre-specified roles:

#### Inflation Hedge

High reliability (>50%) and sensitivity (>0) to inflation

#### Diversifier

Low correlation (<0.8) to stocks and bonds

#### **Risk-Adjusted Returns**

Sharpe ratio is considered when optimizing the allocations to remaining asset classes

· These roles are used to help build portfolios of real assets that exhibit a high degree of sensitivity (>1) and reliability (>60%) to inflation, show a low correlation to stocks and bonds (<0.6), and generate competitive riskadjusted returns (>0.5).

### Real Assets