Reported to the Board of Trustees May 20, 2021





# UNIVERSITY OF ILLINOIS SYSTEM

FOURTH QUARTER 2020 INVESTMENT UPDATE PREPARED FOR THE BOARD OF TRUSTEES

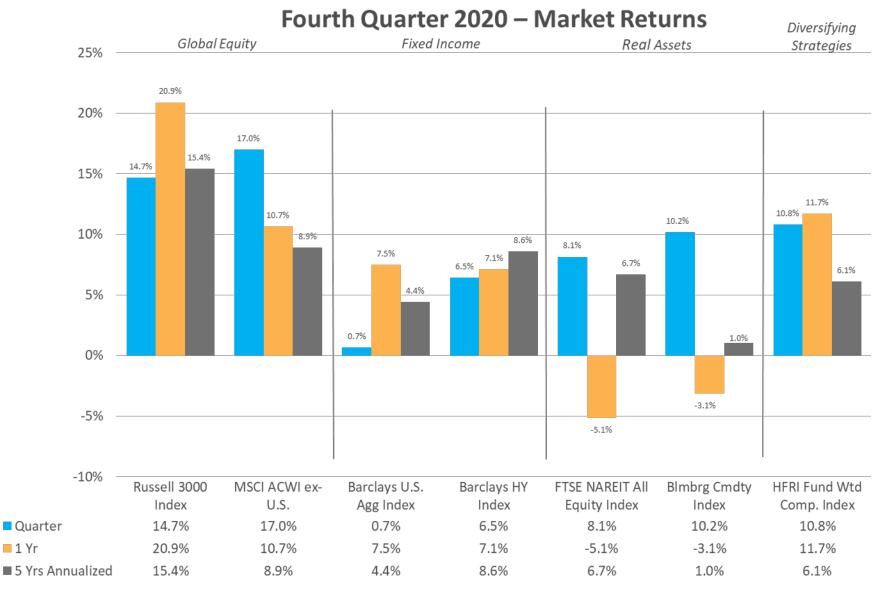
March 2021

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## MARKET OVERVIEW AND SYSTEM ASSETS

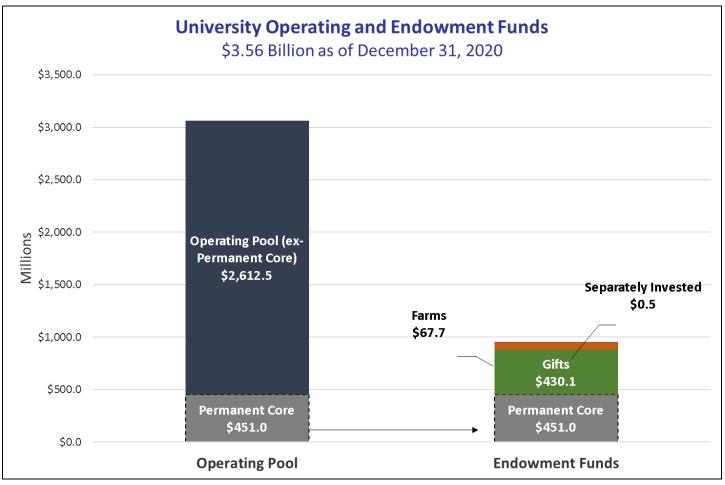
#### CAPITAL MARKET OVERVIEW



Data sources: Lipper and Hedge Fund Research

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### UNIVERSITY OPERATING AND ENDOWMENT FUNDS: DEC 31, 2020



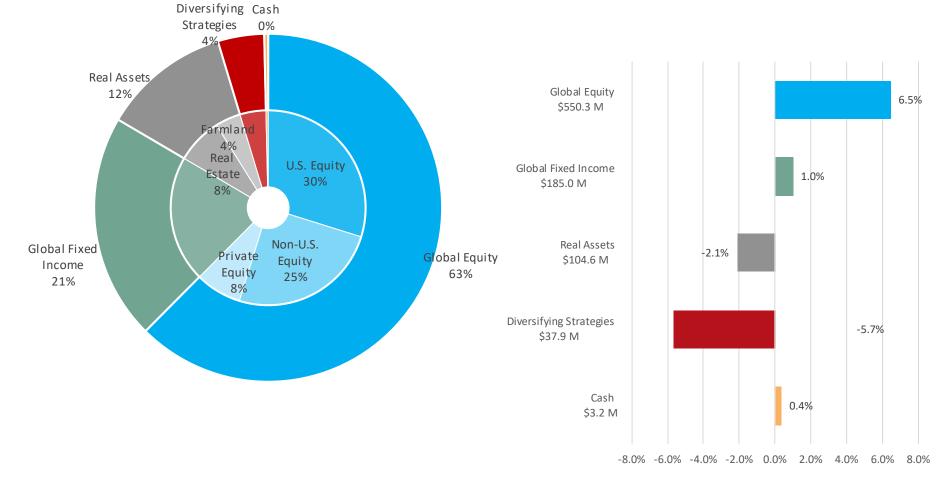
- The University Operating and Endowment Funds were valued at \$3.6 billion as of December 31, 2020.
- The Operating Pool (ex-Permanent Core) was valued at \$2.6 billion. The permanent core investment (gray bar) is a long-term investment of operating cash in the Endowment Pool to enhance distributions to invested units.
- The combined Endowment Pool is valued at \$881.0 million (green and gray right bar) and is discussed further on the following slides.
- The Pure Endowment (excluding Operating) is valued at \$498.3 million.

## ENDOWMENT FUND UPDATE: DECEMBER 31, 2020

#### MARKET VALUE AND ASSET ALLOCATION: ENDOWMENT POOL

#### Total Pool: \$881.0 Million as of 12/31/2020

Over/Under Allocation to Long-Term Policy Targets



Note: Long-Term Policy Allocations: Global Equity 56%, Global Fixed Income 20%, Real Assets 14%, and Diversifying Strategies 10% Total sum of allocation may not equal 100% due to rounding.

#### TOTAL ENDOWMENT POOL PERFORMANCE (DEC 31, 2020)



#### TOTAL POOL: \$881.0 MILLION

- Over the one-year period, the endowment returned 7.9%. Hedge funds (-35.2%) and real estate (-1.1%) detracted from performance, while U.S. equity (+18.8%) contributed to performance.
- On the ten-year period, the endowment posted an 8.3% return, supported by solid returns from U.S. equity (+13.1%), private equity (+11.9%), and real assets (+10.4%).

| Endowment Pool         | Quarter Ending |  |  |  |
|------------------------|----------------|--|--|--|
| Market Value Change    | December-2020  |  |  |  |
| Beginning Market Value | \$808.5 M      |  |  |  |
| Net Contributions      | (\$1.8 M)      |  |  |  |
| Gain/Loss              | \$74.3 M       |  |  |  |
| Ending Market Value    | \$881.0 M      |  |  |  |

Note: The beginning market value + net contributions + net investment gains referenced in the table may not equal the ending market value due to rounding.

### ASSET CLASS PERFORMANCE: ENDOWMENT POOL (DEC 31, 2020)

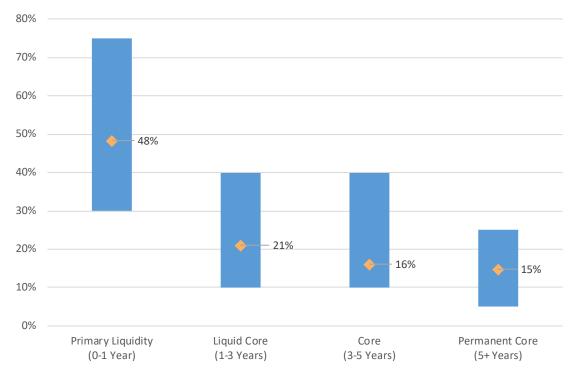
|                                      |                |                | Quarter  |        |         |         |          |           |                |
|--------------------------------------|----------------|----------------|----------|--------|---------|---------|----------|-----------|----------------|
|                                      | Current        | Policy         | ending   |        |         |         |          | Since     |                |
|                                      | Allocation (%) | Allocation (%) | Dec-2020 | 1 Year | 3 Years | 5 Years | 10 Years | Inception | Inception Date |
| Endowment Pool                       |                |                | 9.2      | 7.9    | 6.7     | 8.2     | 8.3      | 8.2       | Sep-87         |
| Performance Benchmark                |                |                | 8.9      | 11.5   | 8.1     | 9.2     | 8.8      | 8.5       |                |
| GLOBAL EQUITY                        | 62.5           | 56.0           | 14.3     | 14.5   | 10.0    | 12.1    | 10.4     | 8.3       | Sep-87         |
| Total U.S. Equity                    |                |                | 16.1     | 18.8   | 13.0    | 14.0    | 13.1     | 9.7       | Sep-87         |
| U.S. Equity Benchmark                |                |                | 14.7     | 20.8   | 14.4    | 15.4    | 13.7     | 10.1      |                |
| Total Non-U.S. Equity                |                |                | 17.2     | 11.1   | 4.9     | 9.0     | 5.6      | 5.7       | Sep-93         |
| Non-U.S. Equity Benchmark            |                |                | 17.2     | 11.1   | 4.8     | 9.0     | 5.1      | 5.8       |                |
| Total Private Equity                 |                |                | 0.0      | 9.7    | 15.7    | 14.1    | 11.9     | 5.0       | Jan-04         |
| Private Equity Benchmark             |                |                | 0.0      | -0.7   | 9.4     | 13.5    | 14.5     | 11.8      |                |
| GLOBAL FIXED INCOME <sup>1</sup>     | 21.0           | 20.0           | 1.1      | 8.5    | 5.6     | 4.8     | 4.5      | 6.9       | Sep-87         |
| Total Public Fixed Income            |                |                | 1.1      | 8.6    | 5.5     | 4.7     | 4.5      | 6.9       | Sep-87         |
| Bloomberg Barclays U.S. Aggregate    |                |                | 0.7      | 7.5    | 5.3     | 4.4     | 3.8      | 6.4       |                |
| REAL ASSETS                          | 11.9           | 14.0           | 3.0      | 1.1    | 3.9     | 3.6     | 10.4     | 9.4       | Dec-06         |
| Total Real Estate                    |                |                | 4.8      | -1.1   | 3.7     | 5.1     | -        | 8.6       | Aug-13         |
| Real Estate Benchmark                |                |                | 1.1      | 0.3    | 3.7     | 5.1     | -        | 8.7       |                |
| Total Farmland <sup>1,2</sup>        |                |                | 0.0      | 5.2    | 4.6     | 2.0     | 8.3      | 7.9       | Dec-06         |
| NCREIF Cornbelt Index                |                |                | 0.0      | 3.9    | 2.9     | 0.9     | 7.6      | 8.5       |                |
| DIVERSIFYING STRATEGIES <sup>1</sup> | 4.3            | 10.0           | 4.1      | -33.5  | -12.9   | -6.3    |          | -2.9      | May-13         |
| Total Hedge Funds                    |                |                | 4.5      | -35.2  | -14.0   | -7.0    | -        | -3.4      | May-13         |
| HFRI Fund Weighted Composite Index   |                |                | 10.8     | 11.7   | 5.5     | 6.1     | -        | 4.8       |                |
| CASH                                 | 0.4            | 0.0            | 0.0      | 0.4    | 1.3     | 1.0     | -        | 0.8       |                |

<sup>1</sup>Global Fixed Income, Total Farmland and Diversifying Strategies include allocations and performance of private investments. <sup>2</sup>Farmland directly owned by the Endowment is valued annually on June 30.

## OPERATING POOL UPDATE: DECEMBER 31, 2020

### OPERATING POOL LIQUIDITY LAYERS

AS OF DECEMBER 31, 2020



- The asset allocation strategy for the Operating Pool consists of investing funds across four liquidity layers. Boardapproved ranges are depicted by the bars, while the diamonds represent the actual allocation.
- Funds expected to be used within one year are invested in the primary liquidity layer.
- Longer-time horizon investments, including core and permanent core, are expected to provide higher rates of return and will experience some variation in market value as capital market conditions change.
- The System's permanent core operating funds are invested in the System's Endowment Pool investment program.

Total sum of allocation may not equal 100% due to rounding.

### TOTAL OPERATING POOL PERFORMANCE (DEC 31, 2020)



#### TOTAL POOL: \$2.61 BILLION

- Over the trailing one-year period ending December 31, 2020, the Operating Pool returned 2.9%, outperforming the benchmark return.
  - Performance of the managers in the Operating Pool were mixed respective to their benchmarks over the period.
- Over the three-, five-, ten-year and since inception periods, the Operating Pool has outperformed the benchmark.
  - The majority of the Operating Pool's managers have each met or outperformed their respective benchmarks.

| Operating Pool         | Quarter Ending |  |  |  |  |
|------------------------|----------------|--|--|--|--|
| Market Value Change    | December-2020  |  |  |  |  |
| Beginning Market Value | \$2,744.6 M    |  |  |  |  |
| Net Contributions      | (\$140.0 M)    |  |  |  |  |
| Gain/Loss              | \$7.9 M        |  |  |  |  |
| Ending Market Value    | \$2,612.5 M    |  |  |  |  |

Note: The Total Pool's beginning and ending market values include bank balances in which the System earns credit to offset bank fees. The beginning market value + net contributions + net investment gains referenced in the table may not equal the ending market value due to rounding.

## APPENDIX: MARKET ENVIRONMENT

### MARKET ENVIRONMENT

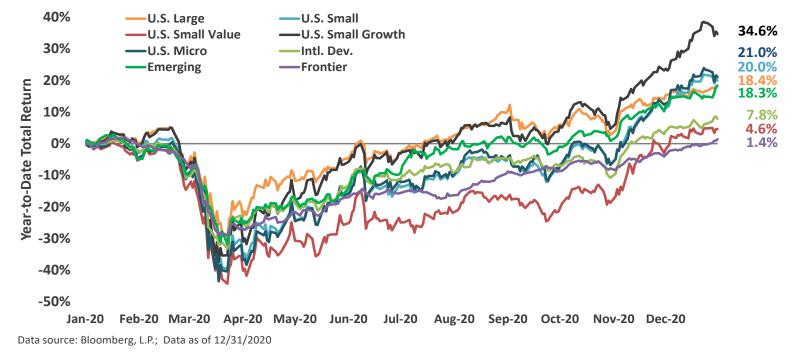
| 2011                          | 2012                         | 2013                         | 2014                         | 2015                          | 2016                         | 2017                         | 2018                          | 2019                         | 2020                         | 5-year<br>annual             | 10-year<br>annual           |
|-------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|
| MLPs<br>13.9%                 | Global REIT<br>27.7%         | Small Cap<br>38.8%           | Global REIT<br>15.0%         | Large Cap<br>1.4%             | Small Cap<br>21.3%           | Emerging<br>Markets<br>37.3% | Bonds<br>0.0%                 | Large Cap<br>31.5%           | Small Cap<br>20.0%           | Large Cap<br>15.2%           | Large Cap<br>13.9%          |
| Bonds<br>7.8%                 | Emerging<br>Markets<br>18.2% | Large Cap<br>32.4%           | Large Cap<br>13.7%           | Bonds<br>0.5%                 | MLPs<br>18.3%                | Int'l<br>25.0%               | High Yield<br>-2.1%           | Small Cap<br>25.5%           | Large Cap<br>18.4%           | Small Cap<br>13.3%           | Small Cap<br>11.2%          |
| High Yield<br>5.0%            | Int'l<br>17.3%               | MLPs<br>27.6%                | Bonds<br>6.0%                | Hedge Funds<br>-0.3%          | High Yield<br>17.1%          | Large Cap<br>21.8%           | Hedge Funds<br>-4.0%          | Int'l<br>22.0%               | Emerging<br>Markets<br>18.3% | Emerging<br>Markets<br>12.8% | High Yield<br>6.8%          |
| Large Cap<br>2.1%             | Small Cap<br>16.3%           | Int'l<br>22.8%               | Small Cap<br>4.9%            | Global REIT<br>-0.8%          | Large Cap<br>11.9%           | Small Cap<br>14.6%           | Large Cap<br>-4.4%            | Global REIT<br>21.9%         | Hedge Funds<br>10.3%         | High Yield<br>8.6%           | Int'l<br>5.5%               |
| Small Cap<br>-4.2%            | Large Cap<br>16.0%           | Hedge Funds<br>9.0%          | MLPs<br>4.8%                 | Int'l -<br>0.8%               | Emerging<br>Markets<br>11.2% | Global REIT<br>10.4%         | Global REIT<br>-5.6%          | Emerging<br>Markets<br>18.4% | Int'l<br>7.8%                | Int'l<br>7.4%                | Global REIT<br>5.4%         |
| Hedge Funds<br>-5.7%          | High Yield<br>15.8%          | High Yield<br>7.4%           | Hedge Funds<br>3.4%          | Small Cap<br>-4.4%            | Global REIT<br>4.1%          | Hedge Funds<br>7.8%          | Small Cap<br>-11.0%           | High Yield<br>14.3%          | Bonds<br>7.5%                | Hedge Funds<br>4.5%          | Bonds<br>3.8%               |
| Global REIT<br>-6.5%          | MLPs<br>4.8%                 | Global REIT<br>3.7%          | High Yield<br>2.5%           | High Yield<br>-4.5%           | Bonds<br>2.6%                | High Yield<br>7.5%           | MLPs<br>-12.4%                | Bonds<br>8.7%                | High Yield<br>7.1%           | Bonds<br>4.4%                | Emerging<br>Markets<br>3.6% |
| Int'l -<br>12.1%              | Hedge Funds<br>4.8%          | Bonds<br>-2.0%               | Emerging<br>Markets<br>-2.2% | Emerging<br>Markets<br>-14.9% | Int'l<br>1.0%                | Bonds<br>3.5%                | Int'l -<br>13.8%              | Hedge Funds<br>8.4%          | Global REIT<br>-9.0%         | Global REIT<br>3.7%          | Hedge Funds<br>3.3%         |
| Emerging<br>Markets<br>-18.4% | Bonds<br>4.2%                | Emerging<br>Markets<br>-2.6% | Int'I -<br>4.9%              | MLPs<br>-32.6%                | Hedge Funds<br>0.5%          | MLPs<br>-6.5%                | Emerging<br>Markets<br>-14.6% | MLPs<br>6.6%                 | MLPs<br>-28.7%               | MLPs<br>-5.9%                | MLPs<br>-2.3%               |

2011-2020 Annual Returns of Key Indices

Note: See disclosure section for a description of key indices.

#### **GLOBAL EQUITY**

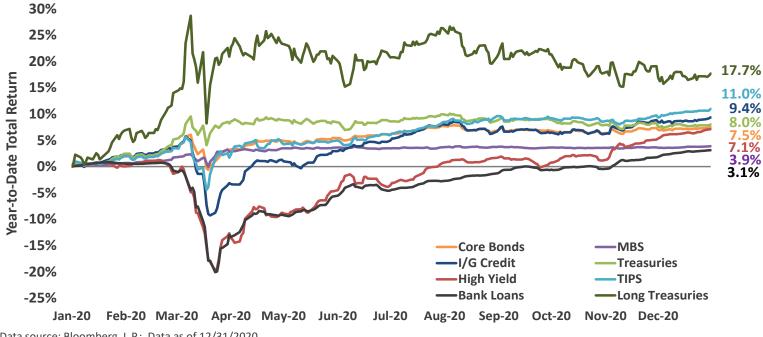
- Global equities spent the first half of 2020 generally in negative territory, with COVID-19 sending significant disruptions across global supply chains. Following the swift introduction of unpresented levels of monetary and fiscal stimulus, however, global equities rebounded from the market's depths of late-March, propelling most major global indices to new record high levels.
- From a capitalization standpoint, Domestic Small Cap (+20.0%) outperformed Large Cap (+18.4%), although Large Cap maintained a sizable relative lead throughout most of the year.
- Stylistically, Growth strongly outperformed Value, amid sharply declining rates, plunging oil prices early in the year, and immense global growth headwinds weighing on the more cyclically-oriented Value indices. A late-year increase in interest rates and the Treasury yield curve, however, boosted the relative performance of Value.



#### Global Equity Year-to-Date Performance (in USD)

#### FIXED INCOME

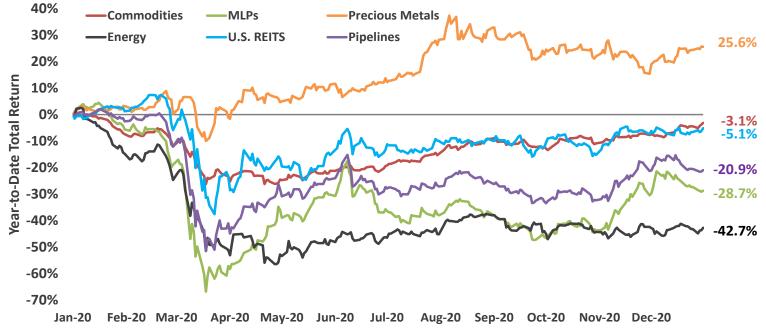
- Global interest rates sank in 2020, driven by strong demand for high quality, rate-sensitive assets, particularly amid the brief drawdown across risk sectors in March. The yield on the benchmark 10-Year U.S. Treasury Note, which began 2020 at 1.92%, established a new record low of 0.51% in August, before rising sharply to end the year at 0.91%. Meanwhile, real rates (i.e., TIPS yields) concluded 2020 deep in negative territory, at -1.09%.
- The term premium between the 10-Year Treasury Note and 3-Month Treasury Bill increased sharply following the Fed's implementation of zero percent interest rates and ultra-accommodative policy initiatives, although this spread stood well below historical average levels at the conclusion of 2020.
- High yield credit spreads, which widened to 1,100 basis points at the market lows in March, tightened significantly during the risk-on rally that began in April and ended the year ~200 basis points below historical average levels.



#### **Fixed Income Year-to-Date Performance**

Data source: Bloomberg, L.P.; Data as of 12/31/2020

- Performance across real assets was generally negative in 2020, as COVID-19 dealt a significant blow to the global growth engine, placing meaningful downward pressure on the cyclically-oriented sectors of the investment universe. Precious metals steadily gained, with a depreciating USD, negative real interest rates, and ultra-loose global monetary and fiscal conditions serving as tailwinds.
- REIT performance was challenged by significant fundamental headwinds, particular in consumer-oriented sectors such as retail and lodging. These difficulties have persisted into 2021, as measures to contain the ongoing spread of COVID-19 and uncertainty regarding the future demand for commercial real estate have weighed on the asset category.
- Commodities spent 2020 in negative territory but gradually gained in the second half of the year amid tailwinds that included the rollout of a COVID-19 vaccine, a depreciating USD, and improving longer-term growth prospects.

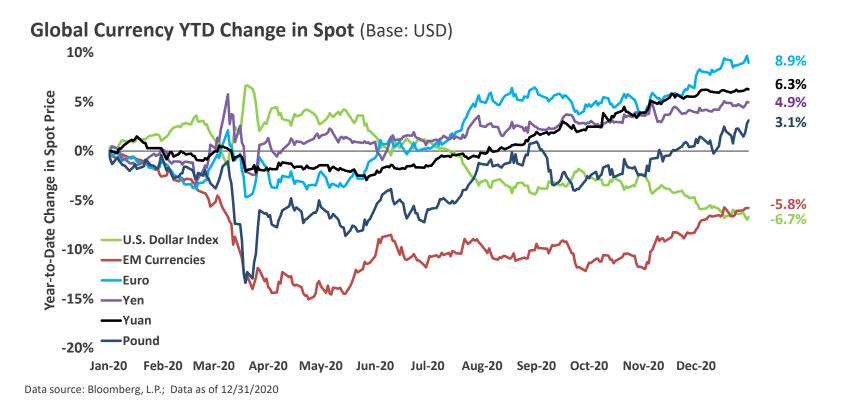


#### **Real Assets Year-to-Date Performance**

Data source: Bloomberg, L.P.; Data as of 12/31/2020

### CURRENCIES

- The U.S. Dollar (USD), which appreciated sharply amidst the market drawdown in March, gradually declined once market participants began to digest the plethora of stimulus packages set forth by U.S. policy makers, totaling at least \$6 trillion throughout 2020. Despite this decline, most major valuation metrics for the USD remained wellabove historical trend levels.
- Liquid Emerging Market currencies, as reflected by the JPMorgan Emerging Market Currency Index, declined to the lowest level on record versus the USD in April, before appreciating modestly in the fourth quarter.



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**Large Cap** is represented by the S&P 500 Index which measures the performance of large capitalization U.S. stocks. The S&P 500 is a market-weighted index of 500 stocks that are traded on the NYSE, AMEX, and NASDAQ. www.standardandpoors.com

**Mid Cap** is represented by the Russell Mid Cap Index which measures performance of U.S. mid capitalization stocks. The Russell Mid Cap Index is a capitalization-weighted index of the 800 smallest companies in the Russell 1000 Index. The stocks are traded on the NYSE, AMEX, and NASDAQ. www.russell.com

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**International** is represented by the MSCI EAFE Index which is a Morgan Stanley Capital International index that is designed to measure the performance of the developed stock markets of Europe, Australasia, and the Far East. www.mscibarra.com

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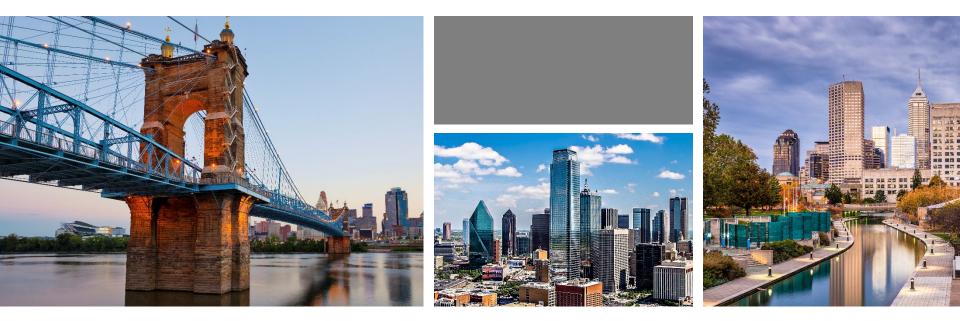
**Bonds** are represented by the Barclays U.S. Aggregate Bond Index which includes U.S. government, corporate, and mortgage-backed securities with maturities up to 30 years. www.barclays.com

High Yield is represented by the Barclays U.S. Corporate High Yield Index. www.barclays.com

**Global REIT** is represented by the FTSE EPRA/NAREIT Developed Index which is designed to track the performance of listed real estate companies and REITS worldwide. www.ftse.com

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