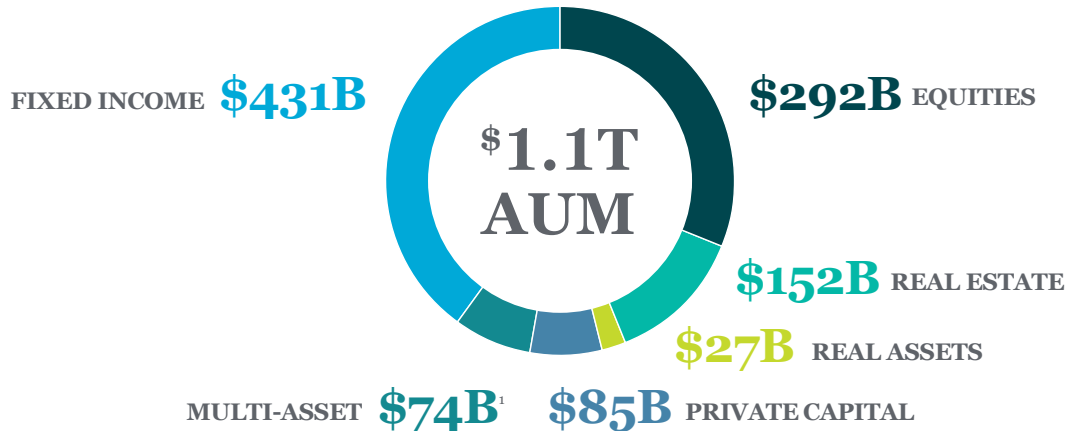


Nuveen capabilities

One of the world's largest investment managers delivering award-winning investment capabilities across asset classes.



Pillars of expertise

INCOME	<p>INCOME IS IN OUR DNA</p> <p>120+ years managing assets designed for income²</p> <p>Top 5 manager of U.S. institutional tax-exempt assets³</p> <p>One of the largest fixed income research teams</p>
ALTERNATIVES	<p>OFFERING A DIVERSE PLATFORM</p> <p>Top 5 real estate manager globally⁴</p> <p>#1 manager of farmland assets worldwide⁵</p> <p>40+ years as an active private capital investor</p>
RESPONSIBLE INVESTING	<p>FIVE DECADES OF LEADERSHIP</p> <p>A+ or A rating from UN PRI across all reported modules in 2020⁶</p> <p>30+ dedicated responsible investing professionals⁷</p> <p>\$44B in ESG-focused strategies⁸</p>

For more information, please visit [nuveen.com](https://www.nuveen.com).

Important information on risk

Investing involves risk; principal loss is possible. There can be no assurance that any investment or asset class will provide positive performance over any period of time. Financial professionals should consider the appropriateness of the manager, strategy and program for their clients on an initial and ongoing basis.

If evaluating investment companies, please carefully consider the investment objectives, risks, charges and expenses before investing. For this and other information that should be read carefully, please obtain a prospectus or summary prospectus from your financial professional or Nuveen at 800.257.8787 or visit [nuveen.com](https://www.nuveen.com).

As of 30 Sep 2022. Nuveen assets under management (AUM) is inclusive of underlying investment specialists. Totals may not equal 100% due to rounding.

This material is not intended to be a recommendation or investment advice, does not constitute a solicitation to buy, sell or hold a security or an investment strategy, and is not provided in a fiduciary capacity. The information provided does not take into account the specific objectives or circumstances of any particular investor, or suggest any specific course of action. Financial professionals should independently evaluate the risks associated with products or services and exercise independent judgment with respect to their clients.

NOT FDIC INSURED | NO BANK GUARANTEE | MAY LOSE VALUE

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PLEASE REFER TO DISCLOSURES FOR IMPORTANT INFORMATION.

The Nuveen Family of Funds and the TIAA-CREF Funds are distinct fund families that comprise different investment products, each with its own features, terms and conditions, fee structures and risk factors. Please note, there are no exchange privileges between the two fund families.

Nuveen, LLC is a wholly owned subsidiary of Teachers Insurance and Annuity Association of America. Nuveen Asset Management, LLC, Winslow Capital Management, LLC, AGR Partners LLC, Churchill Asset Management LLC, Gresham Investment Management LLC, Nuveen Fund Advisors, LLC, Teachers Advisors, LLC, TIAA-CREF Investment Management, LLC, and Nuveen Alternatives Advisors LLC are SEC registered investment advisers ("RIAs"). The investment advisory services, strategies and expertise of TIAA Investments, a division of Nuveen, are provided by Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC. Nuveen Real Estate Management Limited and Glenmont Asset Management Limited are authorized and regulated by the UK Financial Conduct Authority. In addition, Nuveen Asset Management, LLC is a member of the National Futures Association and a Commodity Futures Trading Commission ("CFTC") registered Commodity Trading Advisor; Gresham Investment Management LLC is a member of the National Futures Association and the Futures Industry Association and is a CFTC registered Commodity Pool Operator and Commodity Trading Adviser; and Nuveen Fund Advisors, LLC is a member of the National Futures Association and a CFTC registered Commodity Pool Operator. Greenworks Lending LLC is a clean energy commercial real estate financing company. Nuveen Natural Capital, LLC is a global agricultural and timberland asset manager; the RIA for the agriculture and timberland investment vehicles is Nuveen Alternatives Advisors LLC.

Nuveen Securities, LLC, member FINRA and SIPC.

Capabilities overview

As of 30 Sep 2022

Fixed income		
Global fixed income		
CLO Management	NAM ●	✕
CLO Tranche Investing	NAM ●	✕
Corporate Arbitrage & Relative Value	NAM ●	✕
Corporate Credit	NAM ●	
Credit Income	NAM ●	■
Customized Portfolios	NAM ●▲	
Flexible Income	NAM ●▲■	◆★
Global High Income	NAM ●	+
High Yield Income	NAM ●	
Intermediate Govt/Credit	NAM ●▲	
Intermediate Government	NAM ●▲	
Intermediate Corporate	NAM ●	
Investment Grade Corporate	NAM ●▲	
Laddered Portfolios	NAM ●▲	
Long Credit	NAM ●	
Long Term Govt/Credit	NAM ●	
Long-Short Credit	NAM ●	✕
Multi-Asset Credit	NAM ●	✕
Preferred Securities & Income	NAM ●▲■	+
Preferred Securities Select	NAM ●▲	
Senior Loans	NAM ●	■+
Short Term Govt	NAM ●	
Short Term Govt/Credit	NAM ●	
Strategic Income/Multi Sector	NAM ●	■
ABS	TIAA ●	
Core Index	TIAA ●	■
Core Bond	TIAA ●	■
Core Plus Bond	TIAA ●	■
CMBS	TIAA ●	
Emerging Markets Corporate	TIAA ●	
Emerging Markets Hard Currency	TIAA ●	■◆★
Emerging Markets High Yield	TIAA ●	
Emerging Mkts Local Currency	TIAA ●	
High-Yield BB-B	TIAA ●	■
Inflation-Linked Bond	TIAA ●	■
International Bond	TIAA ●	■
Money Market	TIAA ●	■
MBS	TIAA ●	
Securitized Credit	TIAA ●	+
Short-Term Bond	TIAA ●	■
Short-Term Bond Index	TIAA ●	■
U.S. Investment Grade Credit	TIAA ●	
Enhanced Yield Agg	TIAA ●	+
Enhanced Yield Short Term Agg	TIAA ●	+
Municipals		
Customized Portfolios	NAM ●▲	
High Yield	NAM ●	■+◆✕
Intermediate Duration	NAM ●	+
High Yield	NAM ●	■+◆✕
Intermediate Term	NAM ●▲■	+
Laddered Portfolios	NAM ●▲■	
Limited Maturity	NAM ●▲■	
Long Term	NAM ●▲■	+
Short Duration High Yield	NAM ●	■
Short Term	NAM ●	■

State Specific/State Preference	NAM ●▲■+
Strategic Muni Opps	NAM ●
Taxable Municipal	NAM ●
Total Return	NAM ●▲
Global fixed income & municipals	
Custom Fixed Income Solutions	NAM ●▲
Tax-Aware Fixed Income	NAM ●▲
Equities	
Alternatives	
Core	
Dividend Growth	NAM ●▲■+
Equity Covered Call	NAM ●
Large Cap Core	NAM ●▲
Small Cap Select	NAM ●▲■+
Growth & Income	TIAA ●
Quant Small-Cap Equity	TIAA ●
Quant Small/Mid-Cap Equity	TIAA ●
Growth	
Growth Opportunities	NAM ●
Large Cap Growth	NAM ●▲
Mid Cap Growth Opps	NAM ●
Small Cap Growth Opps	NAM ●▲■
Stable Growth	NAM ●▲
Large-Cap Growth	TIAA ●
Mid-Cap Growth	TIAA ●
U.S. Large Cap Growth	WCM ▲
Value	
Dividend Value	NAM ●▲■
Large Cap Relative Value	NAM ▲
Large Cap Value	NAM ●▲■
Large Cap Value Balanced	NAM ●▲
Mid Cap Value	NAM ●▲■
Multi Cap Value	NAM ●▲■
Small Cap Value	NAM ●▲■
Small Cap Value Opportunities	NAM ●▲■
SMID Cap Value	NAM ●▲■
Large-Cap Value	TIAA ●
Mid-Cap Value	TIAA ●
Global/Non-U.S.	
Emerging Markets ADR	NAM ●▲
Global Dividend Growth ADR/ORD	NAM ●▲■◆
Global Equity Income	NAM ●▲■
International Dividend Growth ADR/ORD	NAM ●▲■
International Growth ADR/ORD	NAM ●▲
International Small Cap	NAM ●
International Value ADR/ORD	NAM ●▲■
Japan Equity	NAM ●
Select Dividend Growth	NAM ●▲
Emerging Markets Equity	TIAA ●
Global Equity	TIAA ●
Global Equity Select	TIAA ●
International Equity	TIAA ●
International Opportunities	TIAA ●
International Small Cap Focused	TIAA ●

International Small Cap Opportunities	TIAA ●
Quant International Small-Cap Equity	TIAA ●
Index	
Emerging Markets Equity	TIAA ●
Equity	TIAA ●
International Equity	TIAA ●
Large-Cap Growth	TIAA ●
Large-Cap Value	TIAA ●
S&P 500	TIAA ●
Small-Cap Blend	TIAA ●
Real estate	
Private	
Alternatives	NRE ●
Debt	NRE ●
Global Diversified	NRE ▼
Housing	NRE ●
Impact	NRE ●
Industrial/Logistics	NRE ●
Office	NRE ●
Retail	NRE ●
Listed	
Global Real Estate Securities	NAM ●
Real Estate Securities	NAM ●
Real Estate Securities	TIAA ●
Short-Term REIT	TIAA ●
Real assets	
Private	
Agribusiness	NI ●
Infrastructure	NI ●
Farmland	NNC ●
Timberland	NNC ●
Listed	
Global Clean Infrastructure Impact	NAM ●
Global Infrastructure	NAM ●
Real Asset Income	NAM ●
Private capital	
Junior Capital	CAM ●
Middle Market Senior Loans	CAM ●
Private Equity	CAM ●
Private Equity Growth	WCM ●
Private Placement Debt	NPM ●
Responsible investing	
Core Plus Impact	NAM ●
High Yield ESG	NAM ●
Intermediate ESG Municipal	NAM ▲
Senior Loans ESG	NAM ●
U.S. Corporate ESG Ladders	NAM ●
Core Impact Bond	TIAA ●▲■◆★
Green Bond Fund	TIAA ●
Global Core Impact Bond	TIAA ●
Global Equity ESG	TIAA ●
Low Carbon Value Equity ESG	TIAA ●▲
Short Duration Impact Bond	TIAA ●
Social Choice Equity	TIAA ●
Social Choice International Equity	TIAA ●
Social Choice Low Carbon Equity	TIAA ●

Clean Energy	NI ●
ESG Dividend	NAM ●
ESG High Yield Corp Bond	NAM ●
Global Net Zero Transition	NAM ●
Emerging Markets Equity ESG	TIAA ●
ESG U.S. Aggregate Bond	TIAA ●
Int'l Developed Markets Equity ESG	TIAA ●
Large-Cap ESG	TIAA ●
Large-Cap Growth ESG	TIAA ●
Large-Cap Value ESG	TIAA ●
U.S. Large Cap Blend	TIAA ●
Mid-Cap Growth ESG	TIAA ●
Mid-Cap Value ESG	TIAA ●
Small-Cap ESG	TIAA ●
Large Cap Growth ESG	WCM ●
Multi-asset solutions	
ESG Growth Models	NAM ●
All Active Growth Models	NAM ●
Active Passive Growth Models	NAM ●
Multi Asset Income	NAM ●
Tax Aware Growth Models	NAM ●
Tax-Exempt Income Models	NAM ●
Equity Covered Call	NAM ●
Managed Volatility	NAM ●
Lifecycle (2010 – 2065)	TIAA ●
Lifecycle Blend (2010 – 2065)	TIAA ●
Lifecycle Index (2010 – 2065)	TIAA ●
Lifecycle Retirement Income	TIAA ●
Lifecycle Retirement Income Index	TIAA ●
Lifestyle Target Risk	TIAA ●
Managed Allocation	TIAA ●
Investment specialists	
TIAA Investments (TIAA)	
Nuveen Asset Management (NAM)	
Nuveen Real Estate (NRE)	
Nuveen Private Markets (NPM)	
Nuveen Natural Capital (NNC)	
Nuveen Infrastructure (NI)	
AGR Partners ⁹ (AGR)	
Glennmont Partners ⁹ (GNP)	
Nuveen Green Capital (NGC)	
Churchill Asset Management (CAM)	
Gresham Investment Management (GIM)	
Winslow Capital Management (WCM)	
Key	
●	Institutional separate account
▲	Separately managed account
■	Mutual fund
+	Closed-end fund
◆	Exchange-traded fund
✕	Interval fund
✕	Private fund
▼	Hybrid structure
○	Model portfolio
◆	UCITS fund
★	Collective investment trust

1 Multi-asset AUM includes fixed income, equities and real estate AUM within target date and other multi-asset strategies. 2 Nuveen traces its history back to 1898 and TIAA was founded in 1918. 3 Pensions & Investments, 06 Jun 2022. Rankings based on U.S. institutional tax-exempt assets under management as of 31 Dec 2021 reported by each responding asset manager; updated annually. 4 ANREV/INREV/NCREIF Fund Manager Survey 2022. Survey illustrated rankings of 143 fund managers globally by AUM as at 31 Dec 2021; updated annually. 5 Pensions & Investments, 03 Oct 2022. Rankings based total worldwide farmland assets under management for the 12 months ending 30 Jun 2022 as reported by each responding asset manager; updated annually. 6 UN Principles for Responsible Investment, 2020, unpri.org. 7 As of 30 Sep 2022. 8 As of 30 Jun 2022; AUM shown one quarter in arrears. Includes all strategies with ESG or Impact as part of the investment objectives. 9 AGR Partners and Glennmont Partners are part of Nuveen Infrastructure. 800.752.8700 | nuveen.com

Glossary

A **hybrid structure** combines two or more vehicles.

This is not a comprehensive listing of all Nuveen products and certain strategies may be offered in other investment vehicles not listed here, such as other pooled structures. From time to time, we may close or reopen strategies. Vehicles are different investment products, each with its own features, terms and conditions, fee structures and risk factors and certain availability restrictions may apply. Not all products are available at all firms. Please check with your firm for availability. Vehicles shown may not be available in certain jurisdictions and/or to certain investors (such as not available to new accounts). Financial professionals should observe any applicable legal requirements. This information should not be considered a solicitation or an offer by Nuveen or its affiliates to provide any financial products or services in any jurisdiction where it is not otherwise authorized to do so. For more information on collective investment trusts, please call 800.752.8700. If you are a non-U.S. investor and would like more information on UCITS funds, please visit nuveen.com/global. UCITS are not available in the U.S. or to U.S. persons.