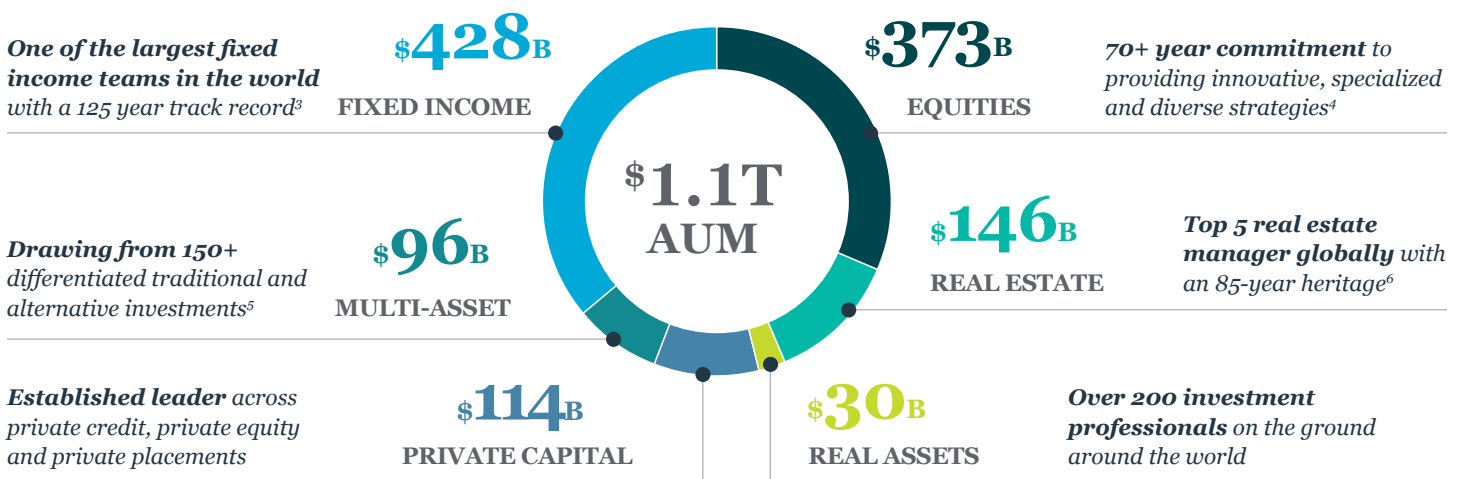


Nuveen capabilities

Nuveen is a global investment leader, managing an array of public and private assets for clients around the world and on behalf of our parent company TIAA, one of the world's largest institutional investors¹ and a highly-rated² insurance and retirement provider.

How we invest

With diverse expertise across income and alternatives, we invest in the growth of businesses, real estate, infrastructure, farmland and forests to help make an enduring impact on our world.



For 50+ years, our commitment to responsible investing has helped our clients achieve their long-term financial goals alongside their investment values.

For more information, please visit nuveen.com.

As of 31 Dec 2023. Nuveen assets under management (AUM) is inclusive of underlying investment specialists. Totals may not equal 100% due to rounding.

1 Pensions & Investments, 12 Jun 2023. Rankings based on total worldwide institutional assets as of 31 Dec 2022 reported by each responding asset manager, with 434 firms responding; updated annually. TIAA is the parent company of Nuveen. 2 For its stability, claims-paying ability and overall financial strength, Teachers Insurance and Annuity Association of America (TIAA) is a member of one of only three insurance groups in the United States to currently hold the highest rating available to U.S. insurers from three of the four leading insurance company rating agencies: A.M. Best (A++ as of 7/23), Fitch (AAA as of 8/23) and Standard & Poor's (AA+ as of 10/23), and the second highest possible rating from Moody's Investors Service (Aa1 as of 9/23). There is no guarantee that current ratings will be maintained. The financial strength ratings represent a company's ability to meet policyholders' obligations and do not apply to any product or service not fully backed by TIAA's claims-paying ability. The ratings also do not apply to the safety or the performance of the variable accounts or mutual funds, which will fluctuate in value. 3 Nuveen traces its history back to 1898 when the company began underwriting municipal bonds, and TIAA was founded in 1918. 4 Nuveen's equities investing team (which is inclusive of TIAA's equities investing team) started investing in equities in 1952 and started a responsible investing strategy in 1990. 5 As of 31 Dec 2023. Multi-asset AUM includes target date and other multi asset strategies. Underlying asset categories included in target date funds are \$26B fixed income, \$66B equities and \$2B real estate. 6 ANREV/INREV/NCREIF Fund Manager Survey 2023. Survey illustrated rankings of 116 fund managers globally by AUM as of 31 Dec 2022; updated annually.

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.

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.

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 Securities, LLC, member FINRA and SIPC.

NOT FDIC INSURED | NO BANK GUARANTEE | MAY LOSE VALUE

FOR FINANCIAL PROFESSIONAL USE ONLY. NOT FOR PUBLIC DISTRIBUTION AND NOT FOR USE BY RETAIL INVESTORS. PLEASE REFER TO DISCLOSURES FOR IMPORTANT INFORMATION.

Capabilities overview

As of 31 Dec 2023

Fixed income	
Global fixed income	
CLO Management	NAM ● ✕
CLO Tranche Investing	NAM ● ✕
Core Bond	NAM ▲
Core Plus Bond	NAM ▲ ★
Core Plus Impact	NAM + □
Corporate Arbitrage & Relative Value	NAM ● ✕
Corporate Credit	NAM ●
Credit Income	NAM ● ■
Customized Portfolios	NAM ● ▲
ESG High Yield Corp Bond	NAM + □
Flexible Income	NAM ● ▲ ■ ◆ ★
Global High Income	NAM +
High Yield ESG	NAM ● □
High Yield Income	NAM ●
Intermediate Govt/Credit	NAM ● ▲
Intermediate Government	NAM ● ▲
Intermediate Corporate	NAM ● ★
Investment Grade Corporate	NAM ● ▲
Laddered Portfolios	NAM ● ▲
Long Corporate	NAM ● ★
Long Term Govt/Credit	NAM ●
Multi-Asset Credit	NAM ● ✕
Preferred Securities & Income	NAM ● ▲ ■ +
Preferred Securities Select	NAM ● ▲
Senior Loans	NAM ● ■ + ✕
Senior Loan ESG	NAM ● ■ □ ✕
Floating Rate Income	NAM ● ★
Short Term Govt	NAM ●
Short Term Govt/Credit	NAM ●
Strategic Income/Multi Sector	NAM ● ■ ★
Ultra Long STRIPS	NAM ● ★
U.S. Corporate ESG Ladders	NAM ● ▲ □
ABS	TIAA ●
Core Bond	TIAA ● ■ ★
Core Index	TIAA ● ■ ★
Core Impact Bond	TIAA ● ▲ ■ ◆ ★ □
Core Plus Bond	TIAA ● ■
CMBS	TIAA ●
Emerging Markets Corporate	TIAA ●
Emerging Markets Hard Currency	TIAA ● ■ ◆ ★
Emerging Markets High Yield	TIAA ●
Emerging Markets Impact Bond	TIAA ● ■ ◆ □
Emerging Markets Local Currency	TIAA ●
Global Core Impact Bond	TIAA ● ■ ◆ □
Green Bond	TIAA ● ■ □
High-Yield	TIAA ● ■ ★
Inflation-Linked Bond	TIAA ● ■ ★
International Bond	TIAA ● ■
Money Market	TIAA ● ■
MBS	TIAA ●
Securitized Credit	TIAA ● +
Short Duration Impact Bond	TIAA ● ■ □
Short-Term Bond	TIAA ● ■ ★
Short-Term Bond Index	TIAA ● ■ ★
U.S. Investment Grade Credit	TIAA ●
Enhanced Yield Agg	TIAA +
ESG U.S. Aggregate Bond	TIAA + □
ESG Short-Term U.S. Aggregate Bond	TIAA + □
Municipals	
Customized Portfolios	NAM ● ▲
High Yield	NAM ● ■ + ◆ ✕
Intermediate ESG Municipal	NAM ● ▲ □
Intermediate Term	NAM ● ▲ ■ + ✕
Ladder 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	
Equity Long/Short	NAM ● ■
Core	
Dividend Growth	NAM ● ▲ ■ + ★
Equity Covered Call	NAM ● +
Large Cap Core	NAM ● ▲
Tax Advantaged Large Cap	NAM ● ▲
Large-Cap ESG	TIAA + □
Small Cap Select	NAM ● ▲ ■ + ★
Growth & Income	TIAA ● ■ ★
Low Carbon Value Equity	TIAA ● ▲ □
Quant Small-Cap Equity	TIAA ● ■ ★
Quant Small/Mid-Cap Equity	TIAA ● ■ ★
Small-Cap ESG	TIAA + □
Social Choice Equity	TIAA ● ■ □ ★
Social Choice Low Carbon 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 ● ■ ★
Large-Cap Growth ESG	TIAA + □
Mid-Cap Growth	TIAA ● ■ ★
Mid-Cap Growth ESG	TIAA + □
U.S. Large Cap Growth	WCM ▲ ★
Large Cap Growth ESG	WCM ● ■ + ◆ □
Value	
ESG Dividend	NAM + □
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 ● ■ ★
Large-Cap Value ESG	TIAA + □
Mid-Cap Value ESG	TIAA + □
Mid-Cap Value	TIAA ● ■ ★
Global/Non-U.S.	
Emerging Markets ADR	NAM ● ▲
Global Dividend Growth ADR/ORD	NAM ● ▲ ■ ◆
Global Equity ESG	TIAA ● □
Global Equity Income	NAM ● ▲ ■
Global Net Zero Transition	NAM + □
International Dividend Growth ADR/ORD	NAM ● ▲ ■
International Small Cap	NAM ● ■
International Value ADR/ORD	NAM ● ▲ ■
Japan Equity	NAM ●
Select Dividend Growth	NAM ● ▲
Emerging Markets Equity	TIAA ● ■ ★
Emerging Markets Equity ESG TIAA	+ □
Global Equity	TIAA ●
Global Equity Select	TIAA ●
Int'l Developed Markets Equity ESG	TIAA + □
International Equity	TIAA ● ■
International Opportunities ADR/ORD	TIAA ● ▲ ■
International Small Cap Focused	TIAA ●
International Small Cap Opportunities	TIAA ●

Quant International Small-Cap Equity	TIAA ● ■ ★
Social Choice Intl 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 ● ✕
Retail & Mixed-Use	NRE ● ✕
Workplace/Office	NRE ● ✕
Listed	
Global Real Estate Carbon Reduction	NAM ● ◆
Global Real Estate Securities	NAM ● ■
Real Estate Securities	NAM ● ■ ★
Real Estate Securities	TIAA ● ■
Short-Term REIT	TIAA +
Real assets	
Private	
Agribusiness	NI ●
Clean Energy Infrastructure	NI ● ✕
Energy Infrastructure Credit	NI ● ✕
Farmland	NNC ● ✕
Timberland	NNC ● ✕
Listed	
Global Clean Infrastructure Impact	NAM ● ◆
Global Infrastructure	NAM ● ■ ★
Real Asset Income	NAM ● ■ + ★
Private capital	
Capital Solutions	AAM ● ✕
Junior Loans	AAM ● ✕
Senior Loans	AAM ● ✕
Diversified Private Capital	CAM ● ▼
Equity Co-Investment	CAM ● ✕
Junior Capital	CAM ● ✕
Private Equity	CAM ●

Senior Loans	CAM ● ✕
Private Equity Impact	NPM ● ✕
Private Placement Debt	NPM ●
C-PACE	NGC ● ✕
Private Equity Growth	WCM ● ✕

Multi-asset solutions	
ESG Growth Models	NAM ● ▲
Multi Asset Income	NAM +
Tax Advantaged Balanced	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 Blend Retirement Income	TIAA ● ■ ★
Lifecycle Retirement Income	TIAA ● ■ ★
Lifecycle Retirement Income Index	TIAA ● ■ ★
Lifecycle Income Blend (2010-2065)	TIAA ● ■ ★
Lifecycle Income Active (2010-2065)	TIAA ● ■ ★
Lifecycle Income Index (2010-2065)	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 (AGR)	
Arcmont Asset Management (AAM)	
Nuveen Green Capital (NGC)	
Churchill Asset Management (CAM)	
Gresham Investment Management (GIM)	
Winslow Capital Management (WCM)	

Key	
● Institutional separate account	✕ Private fund
▲ Separately managed account	◆ Interval fund
+ Closed-end fund	■ Mutual fund
+ Exchange-traded fund	◆ UCITS fund
▼ Hybrid structure	○ Model portfolio
★ Collective investment trust	
□ Responsible investing	

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.

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, Arcmont Asset Management 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"). AGR Partners is a part of Nuveen Infrastructure. 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 Investment Management International Limited is 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. Nuveen Green Capital 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.