Form ADV Part 2B
Brochure Supplement

nuveen
A TIAA Company

Retail Separately Managed Accounts

Nuveen Asset Management, LLC

333 West Wacker Drive
Chicago, IL 60606
(312) 917-7700
www.nuveen.com

March 24, 2026

Information regarding:

Supervised Person	Title	Strategies
Daniel J. Close*	Head of Municipals and Portfolio Manager	Municipal Securities, Custom Fixed Income
Martin J. Doyle*	Director of SMA Portfolio Management and Portfolio Manager	Municipal Securities, Custom Fixed Income, Tax-Aware Fixed Income
David A. Chalupnik	Portfolio Manager	Dividend Growth, Dividend Value, Global Dividend Growth (ADR), International Dividend Growth (ADR), Large Cap Core, Large Cap Growth, Large Cap Relative Value, Large Cap Select, Select Dividend Growth, Stable Growth, Stable Growth Balanced
Andrew J. Luberto*	Portfolio Manager	Municipal Securities
Christopher P. Fama*	Portfolio Manager	Municipal Securities
Daniel R. Dunnigan*	Portfolio Manager	Municipal Securities
Elizabeth P. West*	Portfolio Manager	Municipal Securities
Evan C. Kallberg*	Portfolio Manager	Municipal Securities
Jack F. Boyd	Portfolio Manager	Municipal Securities
James P. McMillin*	Portfolio Manager	Municipal Securities
Joel H. Levy	Portfolio Manager	Municipal Securities
Michael J. Sheyker	Portfolio Manager	Municipal Securities
Stephen J. Candido*	Portfolio Manager	Municipal Securities
Steven M. Hlavin*	Portfolio Manager	Municipal Securities, Tax Exempt Income Model Portfolios
Steven J. Krupa*	Portfolio Manager	Municipal Securities
Thomas C. Ellis	Portfolio Manager	Municipal Securities
Patrick R. Maher	Portfolio Manager	Municipal Securities, Tax-Aware Fixed Income, Custom Fixed Income
Brenda A. Langenfeld	Portfolio Manager	Preferred Securities, Preferred Securities Select
Douglas M. Baker*	Portfolio Manager	Preferred Securities, Preferred Securities Select, Custom Fixed Income
James S. Kim	Portfolio Manager	Taxable Fixed Income
Chad W. Kemper	Portfolio Manager	Taxable Fixed Income
Gregory K. Hessler*	Portfolio Manager	Taxable Fixed Income, Core Fixed Income
Marie A. Newcome	Portfolio Manager	Taxable Fixed Income, Core Impact Bond, Tax-Aware Fixed Income, Custom Fixed Income
Peter L. Agrimson	Portfolio Manager	Taxable Fixed Income, Custom Fixed Income
Jason J. O'Brien	Portfolio Manager	Taxable Fixed Income, Custom Fixed Income, Core Fixed Income
Barton E. Grenning	Portfolio Manager	Emerging Markets (ADR)

Weilien (Willis) Tsai	Portfolio Manager	Emerging Markets (ADR)
John M. Cunniff	Portfolio Manager	ESG Growth Model Portfolios
Stephen G. Sedmak	Portfolio Manager	ESG Growth Model Portfolios, Tax Exempt Income Model Portfolios
Jeff Sun (aka Jianxiong Sun)	Portfolio Manager	ESG Growth Model Portfolios
James T. Stephenson*	Portfolio Manager	Flexible Income, International Value (ADR), Global Equity Income, Global Value, Large Cap Value Opportunities, Large Cap Value Balanced, Multi-Cap Value
Stephen T. Peña	Portfolio Manager	Flexible Income
Susi Budiman (aka Li Li Yeh)	Portfolio Manager	Flexible Income, Large Cap Value Balanced
Gregory V. Mancini	Portfolio Manager	International Opportunities (ADR)
John N. Tribolet	Portfolio Manager	International Opportunities (ADR)
Peter L. Boardman*	Portfolio Manager	International Value (ADR), Global Equity Income, Global Value
Evan F. Staples	Portfolio Manager	Dividend Value, Large Cap Select
Jon D. Bosse*	Portfolio Manager	Large Cap Value Opportunities, Large Cap Value Balanced, Multi-Cap Value
Nazar Suschko	Portfolio Manager	Managed Volatility, Tax-Exempt Income Model Portfolios
Casey R. Weston*	Portfolio Manager	Mid Cap Growth Opportunities
Jon A. Loth	Portfolio Manager	Small Cap Growth Opportunities, Small Cap Select
Gregory J. Ryan	Portfolio Manager	Small Cap Select, Small Cap Growth Opportunities, Mid Cap Growth Opportunities
David F. Johnson	Portfolio Manager	Small Cap Value, Mid Cap Value
Karen L. Bowie	Portfolio Manager	Small Cap Value, Mid Cap Value
Eugene P. Novak	Portfolio Manager	Small Cap Value, Mid Cap Value
Thomas J. Lavia, Jr.	Portfolio Manager	Small/Mid Cap Value, Small Cap Value Opportunities
Andrew C. Hwang	Portfolio Manager	Small/Mid Cap Value, Small Cap Value Opportunities
Scott M. Tonneson	Portfolio Manager	Stable Growth, Large Cap Growth, Large Cap Core, Large Cap Relative Value, Equity Long/Short
David S. Park	Portfolio Manager	Stable Growth, Stable Growth Balanced, Large Cap Core, Dividend Growth, Global Dividend Growth (ADR), International Dividend Growth (ADR), Select Dividend Growth
Errko M. Etula*	Portfolio Manager	Tax Advantaged Strategies[1]
David S. Wood* (aka Xialong Wu)	Portfolio Manager	Tax Advantaged Strategies[1]
Thomas J. Assicurato*	Overlay Portfolio Manager	Multi-Strategy Accounts

(each, a "Supervised Person")

Additional information about Supervised Persons marked with an * is available on the SEC's website at www.adviserinfo.sec.gov.

[1] Brooklyn Investment Group, LLC is expected to merge with and into Nuveen Asset Management, LLC (NAM) in the second quarter of 2026, with NAM being the surviving entity and the entity that provides advisory services for the Tax Advantaged Strategies. See NAM's Form ADV Part 2A, Items 4, 8 and 10 for additional information.

This brochure supplement provides information about each Supervised Person that supplements Nuveen Asset Management, LLC's brochure for retail separately managed accounts (SMA). You should have received a copy of that brochure. Please contact Travis Pauley at travis.pauley@nuveen.com or 212-916-4740 if you did not receive Nuveen Asset Management, LLC's brochure or if you have any questions about the contents of this supplement.

References to Nuveen Asset Management, LLC ("NAM") may include its predecessor companies and may also be referred to herein as the "firm". As described in NAM's Form ADV 2A Brochure, certain investment personnel are "multi-hatted" as employees across NAM and other affiliates, and have additional responsibilities at such affiliated firms. Certain internal titles at NAM or affiliated firms are not included herein.

Item 2 Educational Background and Business Experience

Name: Daniel J. Close

Year of Birth: 1975

Formal Education after high school:
- Miami University, Oxford, OH (BS, Finance, 1998)
- Northwestern University, Chicago, IL (MBA, Finance, 2007)

Business background for preceding five years and selected additional information:
- Senior Managing Director, Head of Municipals, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (4/23 – present)
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (3/07 – 4/23)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (8/18 – 4/23)
- Research Analyst, Nuveen Asset Management, LLC (6/04 – 3/07)
- Analyst, Product Development Group, Nuveen Asset Management, LLC (9/00 – 6/04)

Professional designation: Chartered Financial Analyst (CFA), 2003

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Anders S. Persson, Senior Managing Director and Head of Global Fixed Income, Nuveen Asset Management, LLC, (704) 988-3429.

Item 2 Educational Background and Business Experience

Name: Martin J. Doyle

Year of Birth: 1965

Formal Education after high school:
- University of Illinois, Champaign Urbana, IL (BA, Economics, 1987)
- Loyola University, Chicago, IL (MBA, Finance, 1990)

Business background for preceding five years and selected additional information:
- Senior Managing Director, Director of SMA Portfolio Management and Portfolio Manager, Nuveen Asset Management, LLC (1/06 – present)
- Senior Managing Director, Director of SMA Portfolio Management and Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/19 – present)
- Senior Portfolio Manager, Vice President, Nuveen Asset Management, LLC (1/01 – 1/06)
- Senior Portfolio Manager, Assistant Vice President, Nuveen Asset Management, LLC (7/99 – 1/01)
- Portfolio Manager, Nuveen Asset Management, LLC (5/98 – 7/99)

Professional designation: Chartered Financial Analyst (CFA), 1996

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

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Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Daniel J. Close, Senior Managing Director and Head of Municipals, Nuveen Asset Management, LLC, (312) 917-7823.

Item 2 Educational Background and Business Experience

Name: David A. Chalupnik

Year of Birth: 1959

Formal Education after high school:
- DePaul University, Chicago, IL (BS, Commerce, 1981)
- DePaul University, Chicago, IL (MBA, Finance, 1984)

Business background for preceding five years and selected additional information:
- Senior Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (1/20 – present)
- Senior Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (8/19 – 1/20)
- Co-Head of Santa Barbara Asset Management and Portfolio Manager, Santa Barbara Asset Management, LLC (6/19 – 12/21)
- Senior Managing Director, Head of Equities, Nuveen Asset Management, LLC (11/02 –1/20)
- Chief Investment Officer, Duff & Phelps (11/00 – 10/02)
- Head of Equities, Allstate Insurance (1/95 – 11/00)

Professional designation: Chartered Financial Analyst (CFA), 1986

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Weilien (Willis) Tsai, Senior Managing Director and Head of Equities Global Portfolio Management, Nuveen Asset Management, LLC, (415) 882-3648.

Item 2 Educational Background and Business Experience

Name: Andrew J. Luberto

Year of Birth: 1983

Formal Education after high school:
- Saint Joseph's University, Philadelphia, PA (BA, Finance, 2005)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/25 – present)
- Managing Director, Client Portfolio Manager, Nuveen Asset Management, LLC (2/22 – 2/25)
- Senior Director, Client Portfolio Manager, Nuveen Asset Management, LLC (2/20 – 1/22)
- Director, Client Portfolio Manager, Nuveen Asset Management, LLC (4/17 – 1/20)
- Portfolio Specialist, Nuveen Asset Management, LLC (9/15 – 3/17)
- Portfolio Manager Assistant, Nuveen Asset Management, LLC (3/14 – 8/15)
- Investment Portfolio Specialist, Nuveen Global Operations (10/09 – 2/14)
- Portfolio Administrator, Nuveen Global Operations (8/07 – 9/09)

Professional designation: Chartered Financial Analyst (CFA), 2014

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

The supervised person is an associated person of Nuveen Securities, LLC, a broker-dealer affiliated with the firm, but is not compensated based on the sale of securities or other investment products.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Martin J. Doyle, Senior Managing Director, Director of SMA Portfolio Management and Portfolio Manager, Nuveen Asset Management, LLC, (312) 917-6883.

Item 2 Educational Background and Business Experience

Name: Christopher P. Fama

Year of Birth: 1963

Formal Education after high school:
- University of Illinois, Champaign Urbana, IL (BA, Economics, 1986)
- University of Chicago Graduate School of Business, Chicago, IL (MBA, 1991)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (1999 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/19 – present)
- Research Analyst, Nuveen Investments, LLC (1992 – 1999)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

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Item 2 Educational Background and Business Experience

Name: Daniel R. Dunnigan

Year of Birth: 1986

Formal Education after high school:
- DePaul University, Chicago, IL (BS, Economics, 2008)
- Loyola University of Chicago, Chicago, IL (MBA - Finance, 2014)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/23 – present)
- Senior Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/21 – 3/23)
- Senior Director, Assistant Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/20 – 3/21)
- Senior Director, Senior Fixed Income Trader, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/19 – 3/20)
- Vice President, Senior Fixed Income Trader, Nuveen Asset Management, LLC (3/18 – 12/19)
- Assistant Vice President, Supervisor Portfolio Manager Assistant, Nuveen Asset Management, LLC (3/15 – 3/18)
- Portfolio Manager Assistant, Nuveen Asset Management, LLC (2/13 – 2/15)
- Purchase and Sales Operation Specialist, Nuveen Global Operations (10/09 – 02/13)
- Wealth Management and Security Support Associate, US Bank (8/08 – 9/09)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

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Item 6 Supervision

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Item 2 Educational Background and Business Experience

Name: Elizabeth P. West

Year of Birth: 1980

Formal Education after high school:
- University of Notre Dame, Notre Dame, IN (BA, Political Science and Computer Applications, 2002)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/25 – present)
- Senior Director, Risk Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/22 – 2/25)
- Director, Fixed Income Trader and Portfolio Manager Associate, Nuveen Asset Management, LLC Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/19 – 2/25)
- Director, Fixed Income Trader/Portfolio Manager Associate, Nuveen Asset Management, LLC (8/19 -12/19)
- Vice President, Municipal Bond Sales, William Blair (9/14 – 8/18)
- Vice President, Municipal Bond Sales, Ramirez and Company, (2/09 – 08/14)
- Associate, Municipal Bond Sales, Goldman Sachs, (6/02 – 1/09)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

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Item 2 Educational Background and Business Experience

Name: Evan C. Kallberg

Year of Birth: 1963

Formal Education after high school:
- University of Kansas, Lawrence, KS (BA, Accounting & Business Administration, 1986)
- DePaul University, Chicago, IL (MBA, Business Administration, 1993)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (6/10 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/19 – present)
- Vice President, Portfolio Manager, Nuveen Asset Management, LLC (2/04 – 6/10)
- Assistant Vice President, Portfolio Manager, Nuveen Asset Management, LLC (2/01 – 2/04)
- Assistant Portfolio Manager, Nuveen Asset Management, LLC (8/99 – 2/01)
- Analyst, Nuveen Investments (7/93 – 8/99)

Professional designation: Chartered Financial Analyst (CFA), 1996

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

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Item 2 Educational Background and Business Experience

Name: Jack F. Boyd

Year of Birth: 1991

Formal Education after high school:
- University of Iowa, Iowa City, IA (BBA, Finance & Management Information Systems (MIS), 2013)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/23 – present)
- Senior Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/21 – 3/23)
- Director, Fixed Income Trader, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/19 – 3/21)
- Director, Fixed Income Trader, Nuveen Asset Management, LLC (7/18 – 12/19)
- Analyst, Product Support, Nuveen (3/17 – 7/18)
- Senior Analyst, Fund Administration, Nuveen (8/13 – 3/17)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

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Item 2 Educational Background and Business Experience

Name: James P. McMillin

Year of Birth: 1958

Formal Education after high school:
- Knox College, Galesburg, IL (BA, Economics and Business Administration, 1981)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (9/16 - present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/19 – present)
- Managing Director, Raymond James & Associates, Inc. (5/03 - 8/16)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

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Item 2 Educational Background and Business Experience

Name: Joel H. Levy

Year of Birth: 1978

Formal Education after high school:
- The State University of New York - Albany, Albany, NY (BA, Economics, 2003)
- The State University of New York - Albany, Albany, NY (MA, Economics, 2004)
- Wake Forest University, Winston-Salem, NC (MBA, 2008)
- Charlotte School of Law, Charlotte, NC (JD, 2016)
- Georgetown University Law Center, Washington, DC (LLM Securities & Financial Regulation, 2022)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/20 – present)
- Senior Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (5/18 – 3/20)
- Senior Director, Public Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (7/17 – 5/18)
- Director, Public Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (2011 – 7/17)

Professional designations:
Licensed Attorney, North Carolina.
Admitted to practice law at the United States District Court, Western District of North Carolina

Licensed Real Estate Broker, North Carolina.
North Carolina Licensed Real Estate Brokers must pass a state and national licensing exam covering various topics in residential and commercial real estate. Topics include real estate valuation, law, and residential /commercial sales and investment considerations. In addition, Brokers must complete eight hours of continuing education each year to remain on active license status.

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Item 6 Supervision

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Item 2 Educational Background and Business Experience

Name: Michael J. Sheyker

Year of Birth: 1963

Formal Education after high school:
- Illinois State University, Normal, IL (BS, Finance, 1987)
- Northern Illinois University, DeKalb, IL (MBA, 1995)

Business background for preceding five years and selected additional information:
- Managing Director and Portfolio Manager, Nuveen Asset Management, LLC (6/10 – present)
- Managing Director and Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/19 – present)
- Vice President and Portfolio Manager, Nuveen Asset Management, LLC (1/05 – 6/10)
- Assistant Vice President and Portfolio Manager, Nuveen Asset Management, LLC (1/04 – 1/05)
- Assistant Vice President and Senior Analyst, Nuveen Investments, LLC (1/01 – 1/04)
- Analyst, Nuveen Investments, LLC (5/95 – 1/01)

Professional designation: Chartered Financial Analyst (CFA), 2002

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

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Item 2 Educational Background and Business Experience

Name: Stephen J. Candido

Year of Birth: 1973

Formal Education after high school:
- Miami University, Oxford, OH (BS, Finance, 1995)
- University of Illinois, Chicago, IL (MBA, Finance, 2005)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (3/18 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (8/18 – present)
- Vice President, Portfolio Manager, Nuveen Asset Management, LLC (6/16 – 2/18)
- Vice President, Senior Research Analyst, Nuveen Asset Management, LLC (2/10 – 5/16)
- Assistant Vice President, Research Analyst, Nuveen Asset Management, LLC (2/08 – 1/10)

Professional designation: Chartered Financial Analyst (CFA), 2009

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Daniel J. Close, Senior Managing Director and Head of Municipals, Nuveen Asset Management, LLC, (312) 917-7823.

Item 2 Educational Background and Business Experience

Name: Steven M. Hlavin

Year of Birth: 1980

Formal Education after high school:
- Miami University, Oxford, OH (BA, Finance and Accounting, 2002)
- Miami University, Oxford, OH (MBA, Finance, 2003)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (3/14 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/19 – present)
- Vice President, Portfolio Manager, Nuveen Asset Management, LLC (1/10 – 2/14)
- Assistant Vice President, Assistant Portfolio Manager, Nuveen Asset Management, LLC (12/06 – 1/10)
- Senior Performance Analyst, Nuveen Asset Management, LLC (7/03 – 12/06)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Daniel J. Close, Senior Managing Director and Head of Municipals, Nuveen Asset Management, LLC, (312) 917-7823.

Item 2 Educational Background and Business Experience

Name: Steven J. Krupa

Year of Birth: 1957

Formal Education after high school:
- Illinois Benedictine College, Lisle, IL (BA, Business, 1979)
- DePaul University, Chicago, IL (MBA, Finance, 1984)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/19 – present)
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (12/08 – 12/19)
- Managing Director, Head of Trading Operations, Nuveen Asset Management, LLC (2001 – 12/08)
- Vice President, Portfolio Manager, Nuveen Asset Management, LLC (1990 – 2001)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Martin J. Doyle, Senior Managing Director, Director of SMA Portfolio Management and Portfolio Manager, Nuveen Asset Management, LLC, (312) 917-6883.

Item 2 Educational Background and Business Experience

Name: Thomas C. Ellis

Year of Birth: 1977

Formal Education after high school:
- Texas Christian University, Fort Worth, TX (BBA - Marketing, 2000)
- Loyola University, Chicago, IL (MBA - Finance, 2006)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (3/18 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/19 – present)
- Vice President, Portfolio Manager, Nuveen Asset Management, LLC (5/11 – 2/18)
- Assistant Vice President, Assistant Portfolio Manager, Nuveen Asset Management, LLC (2010 – 5/11)
- Separately Managed Accounts Portfolio Advisor, Nuveen Asset Management, LLC (2006 – 2010)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Martin J. Doyle, Senior Managing Director, Director of SMA Portfolio Management and Portfolio Manager, Nuveen Asset Management, LLC, (312) 917-6883.

Item 2 Educational Background and Business Experience

Name: Patrick R. Maher

Year of Birth: 1982

Formal Education after high school:
- North Central College, Naperville, IL (BA, Finance, 2005)
- DePaul University, Charles H. Kellstadt Graduate School of Business, Chicago, IL (MBA - Investment Management, 2013)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (3/18 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/19 – present)
- Vice President, Portfolio Manager, Nuveen Asset Management, LLC (3/15 – 2/18)
- Assistant Vice President, Portfolio Manager, Nuveen Asset Management, LLC (10/13 – 2/15)
- Assistant Vice President, Portfolio Manager Assistant, Nuveen Asset Management, LLC (1/13 – 9/13)
- Portfolio Manager Assistant, Nuveen Asset Management, LLC (4/10 – 12/12)
- Senior Associate, Moody's Investors Service (4/07 – 4/10)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Martin J. Doyle, Senior Managing Director, Director of SMA Portfolio Management and Portfolio Manager, Nuveen Asset Management, LLC, (312) 917-6883.

Item 2 Educational Background and Business Experience

Name: Brenda A. Langenfeld

Year of Birth: 1980

Formal Education after high school:
- University of Wisconsin, Madison, WI (BBA, Finance and International Business, 2003)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (1/17 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/18 – present)
- Vice President, Portfolio Manager, Nuveen Asset Management, LLC (1/11 – 12/16)
- Corporate Trader, Nuveen Asset Management, LLC (6/08 – 1/11)
- Mortgage Trader, Nuveen Asset Management, LLC (2/04 – 6/08)

Professional designation: Chartered Financial Analyst (CFA), 2009

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Douglas M. Baker, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (312) 917-8181.

Item 2 Educational Background and Business Experience

Name: Douglas M. Baker

Year of Birth: 1973

Formal Education after high school:
- University of Illinois – Champaign, Urbana, IL (BA, Finance, 1996)
- University of Chicago, Chicago, IL (MBA, Finance and Economics, 2002)

Business background for preceding five years and selected additional information:
- Senior Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/25 – present)
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (1/17 – 2/25)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/18 – 2/25)
- Senior Vice President, Portfolio Manager and Head of Preferred Securities Team, Nuveen Asset Management, LLC (3/06 – 12/16)

Professional designation: Chartered Financial Analyst (CFA), 2002

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Joseph G. Higgins, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (212) 916-4660.

Item 2 Educational Background and Business Experience

Name: James S. Kim

Year of Birth: 1978

Formal Education after high school:
- The University of Pennsylvania, Philadelphia, PA (Wharton School, BS in Economics, Finance and Accounting)

Business background for preceding five years and selected additional information:
- Senior Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (2/25 – present)
- Co-Head of Global Fixed Income Research, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (11/23 – present)
- Head of Distressed Investments & Head of Leveraged Finance Research, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (1/20 – 11/23)
- Co-Head of Investments, Symphony Asset Management LLC (12/18 – 12/20)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Anders S. Persson, Senior Managing Director and Head of Global Fixed Income, Nuveen Asset Management, LLC, (704) 988-3429.

Item 2 Educational Background and Business Experience

Name: Chad W. Kemper

Year of Birth: 1974

Formal Education after high school:
- University of St. Thomas, Saint Paul, MN (BA, International Business, 1997)
- Augsburg College, Minneapolis, MN (MBA, 2009)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/23 – present)
- Senior Director, Portfolio Manager, Nuveen Asset Management, LLC (3/15 – 3/23)
- Senior Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/18 – 3/23)
- Vice President, Assistant Portfolio Manager, Nuveen Asset Management, LLC (3/13 – 2/15)
- Assistant Vice President, Assistant Portfolio Manager, Nuveen Asset Management, LLC (3/02 – 2/13)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Joseph G. Higgins, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (212) 916-4660.

Item 2 Educational Background and Business Experience

Name: Gregory K. Hessler

Year of Birth: 1982

Formal Education after high school:
- Virginia Tech, Blacksburg, VA (BS, Finance, 2004)
- University of Maryland, College Park, MD (MBA, Finance, 2010)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/22 – present)
- Senior Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/18 – 3/22)
- Senior Director, Research Analyst, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (2015 – 12/18)
- Director, Research, J.P. Morgan Investment Management (2014 – 2015)
- Vice President, Credit Research, Bank of America Merrill Lynch (2010 – 2014)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Richard W. Cheng, Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (212) 916-5916.

Item 2 Educational Background and Business Experience

Name: Marie A. Newcome

Year of Birth: 1972

Formal Education after high school:
- University of St. Thomas, Saint Paul, MN (BA, Finance, 1995)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (3/18 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/18 – present)
- Vice President, Portfolio Manager, Nuveen Asset Management, LLC (5/04 – 12/18)

Professional designation: Chartered Financial Analyst (CFA), 1998

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Joseph G. Higgins, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (212) 916-4660.

Item 2 Educational Background and Business Experience

Name: Peter L. Agrimson

Year of Birth: 1979

Formal Education after high school:
- Northern Illinois University, DeKalb, IL (BS, Finance, 2003)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/19 – present)
- Vice President, Portfolio Manager and Research Analyst, Nuveen Asset Management, LLC (11/15 – 3/19)
- Vice President, Portfolio Manager and Research Analyst, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/18 – 3/19)
- Research Analyst, Nuveen Asset Management, LLC (3/15 – 10/15)
- Trader, Nuveen Asset Management, LLC (7/08 – 2/15)

Professional designation: Chartered Financial Analyst (CFA), 2007

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Joseph G. Higgins, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (212) 916-4660.

Item 2 Educational Background and Business Experience

Name: Jason J. O'Brien

Year of Birth: 1969

Formal Education after high school:
- University of St. Thomas, Saint Paul, MN (BA, Finance, 1991)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (4/16 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/18 – present)
- Vice President and Portfolio Manager, Nuveen Asset Management, LLC (1/11 – 3/16)
- Senior Trader and Portfolio Manager of Taxable Fixed Income: Securitized Debt, Nuveen Asset Management, LLC (12/05 – 12/10)

Professional designation: Chartered Financial Analyst (CFA), 1999

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Joseph G. Higgins, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (212) 916-4660.

Item 2 Educational Background and Business Experience

Name: Barton E. Grenning

Year of Birth: 1968

Formal Education after high school:
- University of California, Berkeley, CA (BA, Economics, 1990)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (10/19 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (2012 – 10/19)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Weilien (Willis) Tsai, Senior Managing Director and Head of Equities Global Portfolio Management, Nuveen Asset Management, LLC, (415) 882-3648.

Item 2 Educational Background and Business Experience

Name: Weilien (Willis) Tsai

Year of Birth: 1983

Formal Education after high school:

- Georgetown University, Washington, DC (BS, Business Administration, Finance, 2005)

Business background for preceding five years and selected additional information:

- Senior Managing Director, Head of Equities Global Portfolio Management, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (9/24 – present)
- Managing Director, Head of International Portfolio Management, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/22 – 9/24)
- Managing Director, Equities Director of Research for Asia and Emerging Markets, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/21 – 3/22)
- Managing Director, Research Analyst, Global Technology, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (10/19 – 3/21)
- Senior Director, Research Analyst, Global Technology, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (7/16 – 10/19)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Saira Malik, Executive Vice President and Head of Equities and Fixed Income, Nuveen Asset Management, LLC, (415) 882-3708.

Item 2 Educational Background and Business Experience

Name: John M. Cunniff

Year of Birth: 1964

Formal Education after high school:
- Columbia Business School, New York, NY (MBA, Finance, 1992)
- Princeton University, Princeton, NJ (MSE, Civil Engineering & Operations Research, 1988)
- Johns Hopkins University, Baltimore, MD (BS, Civil Engineering, 1986)

Business background for preceding five years and selected additional information:
- Senior Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/25 – present)
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (8/18 – 2/25)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (2/06 – 2/25)
- US Research Director, Portfolio Manager, Morgan Stanley Investment Management (6/01 – 2/06)
- Portfolio Manager/Research Director, Van Kampen Investments (8/95 – 6/01)

Professional designation: Chartered Financial Analyst (CFA), 1995

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Saira Malik, Executive Vice President and Head of Equities and Fixed Income, Nuveen Asset Management, LLC, (415) 882-3708.

Item 2 Educational Background and Business Experience

Name: Stephen G. Sedmak

Year of Birth: 1978

Formal Education after high school:
- New York University, New York, NY (MS, Mathematics of Finance, 2000)
- University of Southern California, Los Angeles, CA (BA-Mathematics; BS-Business Administration, Finance, 1999)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (8/18 – present)
- Senior Director, Lifecycle Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management (6/16 – 8/18)
- Portfolio Manager, Voya Investment Management (11/06 – 6/16)

Professional designation: Chartered Financial Analyst (CFA), 2012

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: John M. Cunniff, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (212) 916-4199.

Item 2 Educational Background and Business Experience

Name: Jeff Sun (aka Jianxiong Sun)

Year of Birth: 1986

Formal Education after high school:
- Boston College, Chestnut Hill, MA (BA, Mathematics and Economics, 2009)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/26 – present)
- Senior Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (1/22 – 2/26)
- Head of Goals Based Investment Research, Franklin Templeton Investments (1/20 – 1/22)
- Senior Research Analyst, QS Investors / Legg Mason (9/15 – 1/20)
- Research Analyst, Credit Suisse (3/15 – 9/15)
- Research Analyst, J.P.Morgan Asset Management (8/09 – 2/15)

Professional designation: Chartered Financial Analyst (CFA), 2014

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: John M. Cunniff, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (212) 916-4199.

Item 2 Educational Background and Business Experience

Name: James T. Stephenson

Year of Birth: 1967

Formal Education after high school:
- University of Wisconsin, Madison, WI (BBA, 1989)
- University of Wisconsin, Madison, WI (MS, 1991)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (1/21 – present)
- Managing Director, Portfolio Manager, Equity Analyst, Associate Director of Research, NWQ Investment Management Company, LLC (7/19 – 12/21)
- Managing Director, Portfolio Manager, Equity Analyst, NWQ Investment Management Company, LLC (3/12 – 7/19)
- Managing Director, Equity Analyst, NWQ Investment Management Company, LLC (2/06 – 3/12)
- Managing Director, Partner, Portfolio Manager, Chairman-Equity Policy Committee, Bel Air Investment Advisors, LLC (2004 – 2006)
- Managing Director, Partner, Portfolio Manager, Bel Air Investment Advisors, LLC (2001 – 2004)
- Portfolio Manager, Bel Air Investment Advisors, LLC (1998 – 2001)
- Portfolio Manager, ARCO Investment Management Company (1995 – 1998)
- Security Analyst, ARCO Investment Management Company (1993 – 1995)
- Equity Analyst, Trust Company of the West (1991 – 1993)

Professional designation: Chartered Financial Analyst (CFA), 1993

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Weilien (Willis) Tsai, Senior Managing Director and Head of Equities Global Portfolio Management, Nuveen Asset Management, LLC, (415) 882-3648.

Item 2 Educational Background and Business Experience

Name: Stephen T. Peña

Year of Birth: 1977

Formal Education after high school:
- Southern Methodist University, Dallas, TX (BS, Economics, 2000)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (12/21 – present)
- Managing Director, High-Yield Research Analyst, NWQ Investment Management Company, LLC (3/21 – 12/21)
- Senior Vice President, Credit & Equity Analyst/Risk Analytics, NWQ Investment Management Company, LLC (12/17 – 2/21)
- Senior Vice President, Credit Analyst/Risk Analytics, NWQ Investment Management Company, LLC (8/15 –11/17)
- Assistant Vice President, Portfolio Risk Manager, Ares Management, L.P. (10/13 – 7/15)
- Capital Structure Analyst, Greenbelt Capital Management, LLC (7/11 – 6/13)
- Fixed Income Analyst, Inflective Asset Management (6/02 –6/11)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Susi Budiman, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (310) 712-4091.

Item 2 Educational Background and Business Experience

Name: Susi Budiman (aka Li Li Yeh)

Year of Birth: 1975

Formal Education after high school:
- University of British Columbia, Vancouver, Canada (Bachelor of Commerce - Finance, 1996)
- University of Southern California, Los Angeles, CA (MBA,1999)

Business background for preceding five years and selected additional information:
- Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/25 – present)
- Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (11/20 – 2/25)
- Managing Director, Co-Head of Fixed Income, Portfolio Manager/Analyst, NWQ Investment Management Company, LLC (3/17 – 12/21)
- Managing Director, Portfolio Manager/Analyst, NWQ Investment Management Company, LLC (3/14 – 2/17)
- Senior Vice President, Portfolio Manager/Analyst, NWQ Investment Management Company, LLC (3/13 – 2/14)
- Vice President, Portfolio Manager/Analyst, NWQ Investment Management Company, LLC
- (3/08 – 2/13)
- Vice President, Assistant Portfolio Manager, NWQ Investment Management Company, LLC (11/06 – 3/08)
- Portfolio Manager, China Life Insurance Co., Ltd., (2003 – 2006)
- Foreign Investment and Research Senior Supervisor, Ping An Insurance (Group) Company of China, Ltd., (2002 – 2003)
- Investment Specialist, Nan Shan Life Insurance Co., Ltd. (2002)
- Associate, Fleet National Bank (2001 – 2002)

Professional designations:

Chartered Financial Analyst (CFA), 2006

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Financial Risk Manager (FRM), 2003

The FRM certification is awarded by the Global Association of Risk Professionals. he FRM examination tests the person's knowledge in the management of financial risk. A candidate must pass two rigorous multiple-choice exams (FRM Exam Part I and Part II) and have demonstrated two years of relevant work experience.

Fellow Life Management Institute (FLMI), 2004

The Fellow, Life Management Institute (FLMI) designation is awarded by LOMA, an international trade association for the insurance and financial services industry. The FLMI program teaches advanced insurance and financial concepts to build a deeper understanding of the insurance business. Learners must complete the Level I, ALMI, and Level III courses to earn the FLMI designation.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Joseph G. Higgins, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (212) 916-4660.

Item 2 Educational Background and Business Experience

Name: Gregory V. Mancini

Year of Birth: 1972

Formal Education after high school:
- Villanova University, Villanova, Pennsylvania (BS, Business, 1995)

Business background for preceding five years and selected additional information:
- Senior Managing Director, Portfolio Manager and Head of Global Portfolio Management, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (1/26 – present)
- Senior Managing Director, Portfolio Manager and Head of Global Research, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (2/25 – 1/26)
- Managing Director, Portfolio Manager and Co-Head of Equities Global Research, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/22 – 2/25)
- Managing Director, Portfolio Manager and Head of European Research, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/21 – 3/22)
- Senior Director, Portfolio Manager, Research Analyst, Nuveen Asset Management, LLC (10/19 – 3/21)
- Senior Director, Portfolio Manager, Research Analyst, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (6/16 – 3/21)
- Director, Merrill Lynch London (11/15 – 6/16)
- Partner and Founding Member, Dabroes Management (3/08 – 11/15)
- Analyst, Caxton Associates (4/05 – 2/08)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Saira Malik, Executive Vice President and Head of Equities and Fixed Income, Nuveen Asset Management, LLC, (415) 882-3708.

Item 2 Educational Background and Business Experience

Name: John N. Tribolet

Year of Birth: 1970

Formal Education after high school:
- University of Chicago, Chicago, IL (MBA, 1997)
- Columbia University, New York, NY (BA, Economics, 1992)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management LLC (10/19 – present)
- Managing Director, Active Equity Portfolio Management, Teachers Advisors, LLC and TIAA-CREF Investment Management LLC (2005 – 10/19)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Weilien (Willis) Tsai, Senior Managing Director and Head of Equities Global Portfolio Management, Nuveen Asset Management, LLC, (415) 882-3648.

Item 2 Educational Background and Business Experience

Name: Peter L. Boardman

Year of Birth: 1959

Formal Education after high school:
- Willamette University, Salem, OR (BA, Economics, 1981)
- American Graduate School (Thunderbird) Phoenix, AZ (MIM, 1985)

Business background for preceding five years and selected additional information:
- Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (1/21 – present)
- Managing Director, Portfolio Manager, Equity Analyst, NWQ Investment Management Company, LLC (7/16 – 12/21)
- Managing Director, Portfolio Manager, Equity Analyst Tradewinds Global Investors, LLC (1/09 – 8/16)
- Managing Director, Equity Analyst Tradewinds Global Investors, LLC (3/06 – 1/09)
- Managing Director, International Equity Analyst, NWQ Investment Management Company, LLC (9/05 – 2/06)
- Vice President, International Equity Analyst, NWQ Investment Management Company, LLC (1/03 – 8/05)
- Associate Portfolio Manager & Senior Analyst, USAA Investment Management Corporation, Inc. (12/00 – 6/02)
- Senior Analyst, Director North American Equity Research, UBS Warburg LLC (1992 – 7/00)
- Analyst, International Equity Research, Credit Lyonnais Securities (1988 – 1992)
- Japanese Equity Broker, International Equity Sales, Citicorp Vickers Da Costa, Ltd. (1986 – 1988)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Weilien (Willis) Tsai, Senior Managing Director and Head of Equities Global Portfolio Management, Nuveen Asset Management, LLC, (415) 882-3648.

Item 2 Educational Background and Business Experience

Name: Evan F. Staples

Year of Birth: 1982

Formal Education after high school:
- St. Cloud State University, St. Cloud, MN (BS, Real Estate Finance and Investing, 2004)
- St. Cloud State University, St. Cloud, MN (MBA, Finance, 2005)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (3/18 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (4/19 – present)
- Managing Director and Research Analyst, Santa Barbara Asset Management (6/19 – 12/21)
- Vice President, Portfolio Manager, Senior Research Analyst, Nuveen Asset Management, LLC (4/17 – 2/18)
- Vice President, Senior Research Analyst, Nuveen Asset Management, LLC (3/12 – 3/17)
- Assistant Vice President, Research Analyst, Nuveen Asset Management, LLC (1/10 – 3/12)

Professional designation: Chartered Financial Analyst (CFA), 2009

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: David A. Chalupnik, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (612) 303-3293.

Item 2 Educational Background and Business Experience

Name: Jon D. Bosse

Year of Birth: 1958

Formal Education after high school:
- Washington University, St. Louis, MO (BA, 1979)
- Wharton School, University of Pennsylvania, Philadelphia, PA (MBA, 1982)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (1/21 – present)
- Co-Head of NWQ, Chief Investment Officer, Portfolio Manager and Equity Analyst, NWQ Investment Management Company, LLC (4/19 – 12/21)
- Co-President, Chief Investment Officer and Portfolio Manager, NWQ Investment Management Company, LLC (6/06 – 3/19)
- Chief Investment Officer, Executive Committee Member, Managing Director and Portfolio Manager, NWQ Investment Management Company, LLC (8/02 – 6/06)
- Chief Investment Officer, Managing Director and Portfolio Manager, NWQ Investment Management Company, Inc., (2001 – 8/02)
- Director of Research, Managing Director and Portfolio Manager, NWQ Investment Management Company, Inc (1996 – 2000)
- Portfolio Manager and Director of Equity Research, ARCO Investment Management Company (1986 – 1996)

Professional designation: Chartered Financial Analyst (CFA), 1992
The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Weilien (Willis) Tsai, Senior Managing Director and Head of Equities Global Portfolio Management, Nuveen Asset Management, LLC, (415) 882-3648.

Item 2 Educational Background and Business Experience

Name: Nazar Suschko

Year of Birth: 1975

Formal Education after high school:
- Ivan Franko Lviv State University, Lviv, Ukraine (MS, Theoretical Physics, 1997)
- Eindhoven University of Technology, Eindhoven, Netherlands (Ph.D., Theoretical Physics, 2003)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/19 – present)
- Vice President, Senior Quantitative Analyst, Portfolio Construction Analytics, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (11/18 – 3/19)
- Vice President, Quantitative Research Analyst, Nuveen Asset Management, LLC (6/16 – 11/18)
- Vice President, Fund of Fund Portfolio Manager, AEGON USA Investment Management LLC (5/13 – 6/16)
- Senior Financial Risk Analyst, AEGON USA Investment Management LLC (6/11 – 5/13)
- European Head of Portfolio Risk Management GA, AEGON Asset Management (2/09 – 6/11)

Professional designation: Financial Risk Manager (FRM), 2008

The (FRM) designation is an international professional certification offered by the Global Association of Risk Professionals to candidates that complete a rigorous two-part, practice-oriented, eight-hour examination that covers the major topics in financial risk management, demonstrate two years' professional work experience in financial risk management, and meet other requirements.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Philip James ("Jim") Campagna, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (212) 916-6372..

Item 2 Educational Background and Business Experience

Name: Casey R. Weston

Year of Birth: 1986

Formal Education after high school:
- University of Colorado, Boulder, CO (BS, Business Administration - Finance, 2011)

Business background for preceding five years and selected additional information:
- Senior Director, Portfolio Manager and Equities Research Analyst, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/22 – present)
- Director, Equity Research Analyst, Nuveen Asset Management, LLC (10/19 – 2/22)
- Director, Equity Research Analyst, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/18 – 2/22)
- Associate, Equity Research, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (6/14 – 2/18)
- Analyst, Equity Research, Goldman Sachs & Co., (5/11 – 5/14)

Professional designation: Chartered Financial Analyst (CFA), 2019

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Kristian Siqueiros, Managing Director, Equities Research, Nuveen Asset Management, LLC, (212) 916-6146.

Item 2 Educational Background and Business Experience

Name: Jon A. Loth

Year of Birth: 1969

Formal Education after high school:
- University of Minnesota, Minneapolis, MN (BS, Finance, 1991)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, (3/19 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (10/19 – present)
- Vice President, Portfolio Manager, Nuveen Asset Management, LLC (8/07 – 3/19)
- Senior Equity Analyst, Nuveen Asset Management, LLC (7/04 – 8/07)

Professional designation: Chartered Financial Analyst (CFA), 1996

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: David A. Chalupnik, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (612) 303-3293.

Item 2 Educational Background and Business Experience

Name: Gregory J. Ryan

Year of Birth: 1976

Formal Education after high school:
- Winona State University, Winona, MN (BS, Finance, 1998)
- University of St. Thomas, St. Paul, MN (MBA, Finance, 2005)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (3/18 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (10/19 – present)
- Vice President, Senior Research Analyst, Portfolio Manager, Nuveen Asset Management, LLC (8/13 – 2/18)
- Vice President, Senior Research Specialist, Nuveen Asset Management, LLC (10/07 – 8/13)

Professional designation: Chartered Financial Analyst (CFA), 2008

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: David A. Chalupnik, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (612) 303-3293.

Item 2 Educational Background and Business Experience

Name: David F. Johnson

Year of Birth: 1961

Formal Education after high school:
- St. Lawrence University, Canton, NY (BA, Economics, 1983)
- University of Connecticut, Storrs, CT (MBA, Finance, 1989)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/23 – present)
- Senior Director, Portfolio Manager and Senior Research Analyst, Nuveen Asset Management, LLC (4/17 – 3/23)
- Senior Director, Portfolio Manager and Senior Research Analyst, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (10/19 – 3/23)
- Vice President, Senior Research Analyst, Nuveen Asset Management, LLC (1/11 – 3/17)
- Equity Research Analyst, Nuveen Asset Management, LLC (11/97 – 12/10)

Professional designation: Chartered Financial Analyst (CFA), 1999

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Karen L. Bowie, Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (612) 303-4976.

Item 2 Educational Background and Business Experience

Name: Karen L. Bowie

Year of Birth: 1961

Formal Education after high school:
- Xavier University, Cincinnati, OH (BS, Business Administration, 1983)
- Xavier University, Cincinnati, OH (MBA, Business Administration, 1988)
- Salmon P. Chase College of Law, North Kentucky University, Highland Heights, KY (JD, 1995)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, (7/06 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (10/19 – present)
- Senior Research Analyst, US Bancorp Asset Management (1/03 – 6/06)

Professional designation: Chartered Financial Analyst (CFA), 1987

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Gregory J. Ryan, Managing Director and Portfolio Manager, Nuveen Asset Management, LLC (612) 303-4225.

Item 2 Educational Background and Business Experience

Name: Eugene P. Novak

Year of Birth: 1984

Formal Education after high school:
- University of Minnesota, Duluth, MN (BBA, Finance, 2006)

Business background for preceding five years and selected additional information:
- Senior Director, Portfolio Manager & Senior Equities Research Analyst, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/20 – present)
- Senior Director, Equities Research Analyst, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (10/19 – 3/20)
- Vice President, Research Analyst, Nuveen Asset Management, LLC (3/18 – 10/19)
- Assistant Vice President, Research Analyst, Nuveen Asset Management, LLC (3/15 – 3/18)

Professional designation: Chartered Financial Analyst (CFA), 2013

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Jon A. Loth, Managing Director and Portfolio Manager, Nuveen Asset Management, LLC (612) 303-3350.

Item 2 Educational Background and Business Experience

Name: Thomas J. Lavia

Year of Birth: 1975

Formal Education after high school:
- University of California, Berkley, CA (BA, 1997)

Business background for preceding five years and selected additional information:
- Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (1/21 – present)
- Co-Head of NWQ, Head of Research, Equity Analyst, Portfolio Manager, NWQ Investment Management Company, LLC (7/19 – 12/21)
- Co-Head of NWQ, Head of Research, Equity Analyst, NWQ Investment Management Company, LLC (4/19 – 7/19)
- Managing Director, Director of Research, Equity Analyst, NWQ Investment Management Company, LLC (3/15 – 3/19)
- Managing Director, Equity Analyst, NWQ Investment Management Company, LLC (11/11 – 2/15)
- Managing Director, Relational Investors, LLC (9/11 – 11/11)
- Senior Analyst, Relational Investors, LLC (1/09 – 9/11)
- Analyst, Relational Investors, LLC (11/07 – 12/08)
- Analyst, Co-Portfolio Manager, Harlingwood Capital Management/CapitalWorks, LLC (4/04 – 9/07)
- Vice President, Institutional Equity Research Sales, JMP Securities, LLC (11/02 – 1/04)
- Junior Equity Analyst, Robertson Stephens, Inc. (2/01 – 7/02)
- Senior Associate, Investment Banking, Robertson Stephens, Inc. (7/00 – 2/01)
- Analyst, Investment Banking, Robertson Stephens, Inc. (4/99 – 7/00)

Professional designation: Chartered Financial Analyst (CFA), 2004

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Weilien (Willis) Tsai, Senior Managing Director and Head of Equities Global Portfolio Management, Nuveen Asset Management, LLC, (415) 882-3648.

Item 2 Educational Background and Business Experience

Name: Andrew C. Hwang

Year of Birth: 1971

Formal Education after high school:
- University of California, Los Angeles, CA (BA, 1992)
- University of Southern California, Los Angeles, CA (MBA, 2001)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (1/21 – present)
- Managing Director, Portfolio Manager, Equity Analyst, NWQ Investment Management
- Company, LLC (2/16 – 12/21)
- Managing Director, Equity Analyst, NWQ, Investment Management Company, LLC (3/14 – 1/16)
- Senior Vice President, Equity Analyst, NWQ Investment Management Company, LLC (3/13 – 2/14)
- Vice President, Equity Analyst, NWQ Investment Management Company, LLC (3/07 – 2/13)
- Assistant Vice President, Equity Analyst, NWQ Investment Management Company, LLC (9/05 – 3/07)
- Equity Analyst, NWQ Investment Management Company, LLC (8/02 – 8/05)
- Equity Analyst, NWQ Investment Management Company, Inc. (2001 – 8/02)
- Assistant Portfolio Manager, NWQ Investment Management Company, Inc. (1998 – 2000)
- Vice President, Inter-Global Financial Corporation (1995 – 1998)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: John A. Loth, Managing Director and Portfolio Manager, Nuveen Asset Management, LLC (612) 303-3350.

Item 2 Educational Background and Business Experience

Name: Scott M. Tonneson

Year of Birth: 1973

Formal Education after high school:
- University of St. Thomas, Saint Paul, MN (BA, Accounting, 1996)
- University of Minnesota, Minneapolis, MN (MBA, 2012)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC (3/19 – present)
- Managing Director, Portfolio Manager, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (10/19 – present)
- Vice President, Portfolio Manager, Nuveen Asset Management, LLC (3/12 – 3/19)
- Vice President, Senior Research Analyst, Nuveen Asset Management, LLC (7/07 – 12/16)
- Equity Quantitative Analyst, Ameriprise Financial (1994 – 2005)

Professional designation: Chartered Financial Analyst (CFA), 2003

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: David A. Chalupnik, Senior Managing Director and Portfolio Manager, Nuveen Asset Management, LLC, (612) 303-3293.

Item 2 Educational Background and Business Experience

Name: David S. Park

Year of Birth: 1976

Formal Education after high school:
- University of California, Los Angeles, CA (BA, Business Economics, 1998)
- New York University, Leonard N. Stern School of Business, New York, NY (MBA, Finance and Strategy, 2005)

Business background for preceding five years and selected additional information:
- Managing Director, Portfolio Manager, Nuveen Asset Management, LLC, Teachers Advisors, LLC and TIAA-CREF Investment Management, LLC (3/21 – present)
- Co-Head of Santa Barbara Asset Management, Portfolio Manager and Director of Research, Santa Barbara Asset Management, LLC (1/20 – 12/21)
- Managing Director, Portfolio Manager and Director of Research, Santa Barbara Asset Management, LLC (6/19 – 12/19)
- Senior Vice President, Research Analyst, Santa Barbara Asset Management, LLC (2/14 – 6/19)
- Research Analyst, Santa Barbara Asset Management, LLC (7/11 – 1/14)
- Equity Analyst, HighMark Capital Management, Inc. (2006 – 2011)
- Manager, Transaction Advisory Services, Ernst & Young, LLP (2005 – 2006)

Professional designation: Chartered Financial Analyst (CFA), 2004

The CFA designation is a professional certification offered by the CFA Institute to financial analysts who pass each of three six-hour exams, possess a bachelor's degree or equivalent, and have 48 months of qualified professional work experience. The CFA Institute determines the passing score of the exams each year.

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

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Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Weilien (Willis) Tsai, Senior Managing Director and Head of Equities Global Portfolio Management, Nuveen Asset Management, LLC, (415) 882-3648.

Item 2 Educational Background and Business Experience

Name: Errko M. Etula

Year of Birth: 1982

Formal Education after high school:
- Massachusetts Institute of Technology (MIT), Cambridge, MA (B.Sc., Economics, 2005)
- Harvard University, Cambridge MA (M.A., Economics, 2008 & Ph.D., Economics, 2009)

Business background for preceding five years and selected additional information:
- Senior Managing Director, Chief Investment Officer of Tax Advantaged Strategies, Portfolio Manager, Nuveen Asset Management, LLC (3/26 – present)
- Chief Executive Officer and Chief Investment Officer, Brooklyn Investment Group, LLC, Brooklyn Artificial Intelligence, Inc. (7/21 – present)
- Managing Director, Investment Strategy Group, Goldman Sachs & Co. (9/10 – 7/21)
- Economist, Capital Markets Research, Federal Reserve Bank of New York (8/09 – 9/10)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

The supervised person is an associated person of Nuveen Securities LLC, a broker-dealer affiliated with the firm, but is not compensated based on the sale of securities or other investment products.

Item 5 Additional Compensation

The supervised person serves primarily in an investment capacity and is not compensated based on sales, client referrals, or new accounts.

The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Jon M. Stevens, Senior Managing Director and Head of Client Portfolio Management, Nuveen, (612) 303-3283.

Item 2 Educational Background and Business Experience

Name: David S. Wood (aka Xialong Wu)

Year of Birth: 1986

Formal Education after high school:
- The University of Chicago, Chicago, IL (A.B, Economics, 2010)
- The University of Chicago, Chicago, IL (M.B.A., 2017, Ph.D., Statistics and Econometrics, 2018)

Business background for preceding five years and selected additional information:
- Senior Managing Director, Chief Quantitative Strategist of Tax Advantaged Strategies, Portfolio Manager, Nuveen Asset Management, LLC (3/26 – present)
- Chief Quantitative Strategist and Co-Chief Investment Officer, Brooklyn Investment Group, LLC, Brooklyn Artificial Intelligence, Inc. (3/22 – present)
- Head of Quantitative Strategies, Hum Capital, Inc. (10/20 – 3/22)
- Quantitative Researcher, Credit Suisse Asset Management, LLC (8/18 – 10/20)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

The supervised person is an associated person of Nuveen Securities LLC, a broker-dealer affiliated with the firm, but is not compensated based on the sale of securities or other investment products.

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Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Errko M. Etula, Senior Managing Director, Chief Investment Officer of Tax Advantaged Strategies, Portfolio Manager, Nuveen Asset Management, LLC, (212) 916-4740.

Item 2 Educational Background and Business Experience

Name: Thomas J. Assicurato

Year of Birth: 1969

Formal Education after high school:
- University of Massachusetts, Amherst, MA (BA, Economics, 1991)

Business background for preceding five years and selected additional information:
- Overlay Portfolio Manager for Retail SMA Multi-Strategy Accounts (MSA), Nuveen Asset Management, LLC (8/18 – present)
- Vice President, Investment Operations, Nuveen (12/05 – present)
- Associate Principal, Seslia Securities (10/03 – 12/05)

Item 3 Disciplinary Information

There are no reportable legal or disciplinary events for the supervised person.

Item 4 Other Business Activities

The supervised person is not actively engaged in any investment-related business or occupation other than as described herein.

The supervised person is an associated person of Nuveen Securities LLC, a broker-dealer affiliated with the firm, but is not compensated based on the sale of securities or other investment products.

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The firm's employees are subject to certain limitations regarding the receipt of gifts and other benefits in the form of entertainment, including meals, golfing and tickets to cultural and sporting events from parties with whom the firm does business. See Form ADV, Part 2A, Items 11 and 14.

Item 6 Supervision

The firm supervises the supervised person and monitors the advisory services provided to clients through regular review of trading and positions for adherence to internal and strategy guidelines. The name and contact information for the person responsible for supervising the supervised person's advisory activities is: Mark Slevin, Managing Director, SMA & Investment Operations, Nuveen, (312) 917-9759.