NUVEEN OHIO QUALITY MUNICIPAL INCOME FUND Form DEF 14A October 04, 2017

# **UNITED STATES**

# SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## **SCHEDULE 14A**

Proxy Statement Pursuant to Section 14(a) of the

Securities Exchange Act of 1934

(Amendment No. )

Filed by the Registrant Filed by a Par

Filed by a Party other than the Registrant

Check the appropriate box:

Preliminary Proxy Statement.

Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2)).

Definitive Proxy Statement.

Definitive Additional Materials.

Soliciting Material Pursuant to §240.14a-11(c) or §240.14a-12

# **Nuveen Ohio Quality Municipal Income Fund (NUO)**

(Name of Registrant as Specified In Its Charter)

 $(Name\ of\ Person(s)\ Filing\ Proxy\ Statement, if\ other\ than\ the\ Registrant)$ 

Payment of Filing Fee (check the appropriate box):

No fee required.

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1) Title of each class of securities to which transaction applies:

2)	Aggregate number of securities to which transaction applies:
3)	Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined):
4)	Proposed maximum aggregate value of transaction:
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Fee j	paid previously with preliminary materials.
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1)	Amount Previously Paid:
2)	Form, Schedule or Registration Statement No.:
3)	Filing Party:
4)	Date Filed:

333 West Wacker Drive

# Notice of Annual Meeting of Shareholders to be held on November 14, 2017

Chicago, Illinois 60606

(800) 257-8787

October 4, 2017

Nuveen Arizona Quality Municipal Income Fund (NAZ)

**Nuveen California AMT-Free Quality Municipal Income Fund (NKX)** 

Nuveen California Municipal Value Fund, Inc. (NCA)

Nuveen California Municipal Value Fund 2 (NCB)

**Nuveen California Quality Municipal Income Fund (NAC)** 

**Nuveen Massachusetts Quality Municipal Income Fund (NMT)** 

**Nuveen Michigan Quality Municipal Income Fund (NUM)** 

Nuveen New Jersey Quality Municipal Income Fund (NXJ)

Nuveen New Jersey Municipal Value Fund (NJV)

**Nuveen Ohio Quality Municipal Income Fund (NUO)** 

Nuveen Pennsylvania Quality Municipal Income Fund (NQP)

**Nuveen Pennsylvania Municipal Value Fund (NPN)** 

**Nuveen Texas Quality Municipal Income Fund (NTX)** 

#### To the Shareholders of the Above Funds:

Notice is hereby given that the Annual Meeting of Shareholders of each of Nuveen Arizona Quality Municipal Income Fund ( Arizona Quality ), Nuveen California AMT-Free Quality Municipal Income Fund ( California AMT-Free ), Nuveen California Municipal Value Fund 2 ( California Value 2 ), Nuveen California Quality Municipal Income Fund ( California Quality), Nuveen Massachusetts Quality Municipal Income Fund ( Michigan Quality ), Nuveen New Jersey Quality Municipal Income Fund ( New Jersey Quality ), Nuveen New Jersey Municipal Income Fund ( New Jersey Value ), Nuveen Ohio Quality Municipal Income Fund ( Ohio Quality ), Nuveen Pennsylvania Quality Municipal Income Fund ( Pennsylvania Quality ), Nuveen Pennsylvania Municipal Value Fund ( Pennsylvania Value ) and Nuveen Texas Quality Municipal Income Fund ( Texas Quality ), each a Massachusetts business trust (each, a Massachusetts Fund and collectively, the Massachusetts Funds ), and Nuveen California Municipal Value Fund, Inc. ( California Value ), a Minnesota corporation (California Value and the Massachusetts Funds are each a Fund and collectively, the Funds ), will be held in the offices of Nuveen, 333 West Wacker Drive, Chicago, Illinois, on Tuesday, November 14, 2017, at 2:00 p.m., Central time (for each Fund, an Annual Meeting and collectively, the Annual Meetings ), for the following purposes and to transact such other business, if any, as may properly come before the Annual Meeting.

#### Matters to Be Voted on by Shareholders:

- 1. To elect Members to the Board of Directors/Trustees (each a Board and each Director or Trustee a Board Member ) of each Fund as outlined below:
  - a. For each Massachusetts Fund (except California Value 2, New Jersey Value and Pennsylvania Value), to elect six (6) Board Members.
    - i) four (4) Class II Board Members to be elected by the holders of Common Shares and Preferred Shares, voting together as a single class; and
    - ii) two (2) Board Members to be elected by the holders of Preferred Shares only, voting separately as a single class.
  - b. For California Value, California Value 2, New Jersey Value and Pennsylvania Value, to elect four (4) Class II Board Members.
- 2. To transact such other business as may properly come before the Annual Meeting. Shareholders of record at the close of business on September 18, 2017 are entitled to notice of and to vote at the Annual Meeting.

All shareholders are cordially invited to attend the Annual Meeting. In order to avoid delay and additional expense and to assure that your shares are represented, please vote as promptly as possible, regardless of whether or not you plan to attend the Annual Meeting. You may vote by mail, telephone or over the Internet. To vote by mail, please mark, sign, date and mail the enclosed proxy card. No postage is required if mailed in the United States. To vote by telephone, please call the toll-free number located on your proxy card and follow the recorded instructions, using your proxy card as a guide. To vote over the Internet, go to the Internet address provided on your proxy card and follow the instructions, using your proxy card as a guide.

If you intend to attend the Annual Meeting in person and you are a record holder of a Fund s shares, in order to gain admission you must show photographic identification, such as your driver s license. If you intend to attend the Annual Meeting in person and you hold your shares through a bank, broker or other custodian, in order to gain admission you must show photographic identification, such as your driver s license, and satisfactory proof of ownership of shares of a Fund, such as your voting instruction form (or a copy thereof) or broker s statement indicating ownership as of a recent date. If you hold your shares in a brokerage account or through a bank or other nominee, you will not be able to vote in person at the Annual Meeting unless you have previously requested and obtained a legal proxy from your broker, bank or other nominee and present it at the Annual Meeting.

Gifford R. Zimmerman

Vice President and Secretary

333 West Wacker Drive

# **Joint Proxy Statement**

Chicago, Illinois 60606

(800) 257-8787

October 4, 2017

This Joint Proxy Statement is first being mailed to shareholders on or about October 6, 2017.

**Nuveen Arizona Quality Municipal Income Fund (NAZ)** 

**Nuveen California AMT-Free Quality Municipal Income Fund (NKX)** 

Nuveen California Municipal Value Fund, Inc. (NCA)

**Nuveen California Municipal Value Fund 2 (NCB)** 

**Nuveen California Quality Municipal Income Fund (NAC)** 

**Nuveen Massachusetts Quality Municipal Income Fund (NMT)** 

**Nuveen Michigan Quality Municipal Income Fund (NUM)** 

**Nuveen New Jersey Quality Municipal Income Fund (NXJ)** 

**Nuveen New Jersey Municipal Value Fund (NJV)** 

**Nuveen Ohio Quality Municipal Income Fund (NUO)** 

**Nuveen Pennsylvania Quality Municipal Income Fund (NQP)** 

Nuveen Pennsylvania Municipal Value Fund (NPN)

**Nuveen Texas Quality Municipal Income Fund (NTX)** 

#### **General Information**

This Joint Proxy Statement is furnished in connection with the solicitation by the Board of Trustees or Directors (each a Board and collectively, the Boards, and each Trustee or Director, a Board Member and collectively, the Board Members ) of each of Nuveen Arizona Quality Municipal Income Fund ( Arizona Quality ), Nuveen California AMT-Free Quality Municipal Income Fund ( California AMT-Free ), Nuveen California Municipal Value Fund 2 ( California Value 2 ), Nuveen California Quality Municipal Income Fund ( California Quality), Nuveen Massachusetts Quality Municipal Income Fund ( Michigan Quality ), Nuveen Mew Jersey Quality Municipal Income Fund ( Michigan Quality ), Nuveen New Jersey Quality Municipal Income Fund ( New Jersey Quality ), Nuveen New Jersey Municipal Value Fund ( New Jersey Value ), Nuveen Ohio Quality Municipal Income Fund ( Ohio Quality ), Nuveen Pennsylvania Quality Municipal Income Fund ( Pennsylvania Quality ), Nuveen Pennsylvania Municipal Value Fund ( Pennsylvania Value ) and Nuveen Texas Quality Municipal Income Fund ( Texas Quality ), each a Massachusetts business trust (each, a Massachusetts Fund and collectively, the Massachusetts Funds ), and Nuveen California Municipal Value Funds ), of proxies to be voted at the Annual Meeting of Shareholders to be held in the offices of Nuveen, 333 West Wacker Drive, Chicago, Illinois, on Tuesday, November 14, 2017 at 2:00 p.m., Central time (for each Fund, an Annual Meeting and collectively, the Annual Meetings ), and at any and all adjournments thereof.

On the matters coming before each Annual Meeting as to which a choice has been specified by shareholders on the proxy, the shares will be voted accordingly. If a properly executed proxy is returned and no choice is specified, the shares will be voted **FOR** the election of the nominees as listed in this Joint Proxy Statement. Shareholders of a Fund who execute proxies may revoke them at any time before they are voted by filing with that Fund a written notice of revocation, by delivering a duly executed proxy bearing a later date, or by attending the Annual Meeting and voting in person. A prior proxy can also be revoked by voting again through the toll-free number or the Internet address listed in the proxy card. Merely attending the Annual Meeting, however, will not revoke any previously submitted proxy.

The Board of each Fund has determined that the use of this Joint Proxy Statement for each Annual Meeting is in the best interest of each Fund and its shareholders in light of the similar matters being considered and voted on by the shareholders.

The following table indicates which shareholders are solicited with respect to each matter:

Matter		Common Shares	Preferred Shares(1)
1(a)(i)	For each Massachusetts Fund (except California Value 2, New Jersey Value and	X	X
	Pennsylvania Value), election of four (4) Class II Board Members by all		
	shareholders.		
1(a)(ii)	For each Massachusetts Fund (except California Value 2, New Jersey Value and		X
	Pennsylvania Value), election of two (2) Board Members by holders of Preferred		
	Shares only.		
1(b)	For California Value, California Value 2, New Jersey Value and Pennsylvania	X	N/A
	Value, election of four (4) Class II Board Members by all shareholders.		

(1) Variable Rate MuniFund Term Preferred Shares ( VMTP Shares ) for Arizona Quality, California Quality, Michigan Quality and Pennsylvania Quality; Institutional MuniFund Term Preferred Shares ( iMTP Shares ) for California AMT-Free and Texas Quality; and Variable Rate Demand Preferred Shares ( VRDP Shares ) for California AMT-Free, California Quality, Massachusetts Quality, New Jersey Quality, Ohio Quality and Pennsylvania Quality are collectively referred to herein as Preferred Shares.

A quorum of shareholders is required to take action at each Annual Meeting. A majority of the shares entitled to vote at each Annual Meeting, represented in person or by proxy, will constitute a quorum of shareholders at that Annual Meeting, except that for the election of the two Board Member nominees by holders of Preferred Shares (for each Fund except California Value, California Value 2, New Jersey Value and Pennsylvania Value), 33 <sup>1</sup>/<sub>3</sub>% of the Preferred Shares entitled to vote and represented in person or by proxy will constitute a quorum. Votes cast by proxy or in person at each Annual Meeting will be tabulated by the inspectors of election appointed for that Annual Meeting. The inspectors of election will determine whether or not a quorum is present at the Annual Meeting. The inspectors of election will treat abstentions and broker non-votes (i.e., shares held by brokers or nominees, typically in street name, as to which (i) instructions have not been received from the beneficial owners or persons entitled to vote and (ii) the broker or nominee does not have discretionary voting power on a particular matter) as present for purposes of determining a quorum.

VRDP Shares held in street name as to which voting instructions have not been received from the beneficial owners or persons entitled to vote as of one business day before the Annual Meeting, or, if adjourned, one business day before the day to which the Annual Meeting is adjourned, and that would otherwise be treated as broker non-votes may, pursuant to Rule 452 of the New York Stock Exchange (NYSE), be voted by the broker on the proposal in the same proportion as the votes cast by all holders of VRDP Shares as a class who have voted on the proposal or in the same proportion as the votes cast by all holders of VRDP Shares of the Fund who have voted on that item. Rule 452 permits proportionate voting of VRDP Shares with respect to a particular item if, among other things, (i) a minimum of 30% of the VRDP Shares or shares of a series of VRDP Shares outstanding has been voted by the holders of such shares with respect to such item, (ii) less than 10% of the VRDP Shares or shares of a series of VRDP Shares outstanding has been voted by the holders of such shares against such item and (iii) for any proposal as to which holders of Common Shares and Preferred Shares vote as a single class, holders of Common Shares approve the proposal. For the purpose of meeting the 30% test, abstentions will be treated as shares voted and, for the purpose of meeting the 10% test, abstentions will not be treated as shares voted against the item.

Broker-dealers who are not members of the NYSE may be subject to other rules, which may or may not permit them to vote your shares without instruction. We urge you to provide instructions to your broker or nominee so that your votes may be counted.

For each Fund, the affirmative vote of a plurality of the shares present and entitled to vote at the Annual Meeting will be required to elect the Board Members of that Fund. For purposes of determining the approval of the proposal to elect Board Members for each Fund, abstentions and broker non-votes will have no effect.

Those persons who were shareholders of record at the close of business on Monday, September 18, 2017 will be entitled to one vote for each share held and a proportionate fractional vote for each fractional vote held. As of September 18, 2017, the shares of the Funds were issued and outstanding as follows:

Fund	Ticker Symbol <sup>(1)</sup>	Common Shares	Preferred Shares	
Arizona Quality	NAZ	11,688,587	VMTP Series 2019	883
California AMT-Free	NKX	47,750,333	VRDP Series 2	355
			VRDP Series 3	427
			VRDP Series 4	1,090
			VRDP Series 5	1,044
			VRDP Series 6	1,050
			iMTP Series 2018	7,200
California Quality	NAC	145,105,058	VMTP Series 2019	1,450
			VRDP Series 1	1,362
			VRDP Series 2	910
			VRDP Series 3	498
			VRDP Series 4	1,056
			VRDP Series 5	1,589
			VRDP Series 6	1,581
			VRDP Series 7	980
			VRDP Series 8	1,600

Fund	Ticker Symbol <sup>(1)</sup>	Common Shares	Preferred Shares	
California Value	NCA	27,910,972	N/A	
California Value 2	NCB	3,295,695	N/A	
Massachusetts Quality	NMT	9,348,158	VRDP Series 1	740
Michigan Quality	NUM	20,810,887	VMTP Series 2019	1,730
New Jersey Quality	NXJ	42,584,678	VRDP Series 1 8	
			VRDP Series 2	1,443
			VRDP Series 3	886
New Jersey Value	NJV	1,551,357	N/A	
Ohio Quality	NUO	18,521,954	VRDP Series 1	1,480
Pennsylvania Quality	NQP	37,754,841	VMTP Series 2019	870
			VRDP Series 2	1,125
			VRDP Series 3	1,050
Pennsylvania Value	NPN	1,222,097	N/A	
Texas Quality	NTX	10,027,210	iMTP Series 2018	14,400

<sup>(1)</sup> The Common Shares of all of the Funds are listed on the NYSE.

#### 1. Election of Board Members

Pursuant to the organizational documents of each Fund, each Board is divided into three classes, Class I, Class III and Class III, to be elected by the holders of the outstanding Common Shares and any outstanding Preferred Shares, voting together as a single class to serve until the third succeeding annual meeting subsequent to their election or thereafter, in each case until their successors have been duly elected and qualified. For Arizona Quality, California AMT-Free, California Quality, Massachusetts Quality, Michigan Quality, New Jersey Quality, Ohio Quality, Pennsylvania Quality and Texas Quality, each a Massachusetts Fund with Preferred Shares outstanding, under normal circumstances, holders of Preferred Shares are entitled to elect two (2) Board Members. The Board Members elected by holders of Preferred Shares will be elected to serve until the next annual meeting or until their successors have been duly elected and qualified.

## (a) For each Massachusetts Fund, except California Value 2, New Jersey Value and Pennsylvania Value:

(i) four (4) Board Members are to be elected by holders of Common Shares and Preferred Shares, voting together as a single class. Board Members Kundert, Nelson, Toth and Young have been designated as Class II Board Members and as nominees for Board Members for a term expiring at the annual meeting of shareholders in 2020 or until their successors have been duly elected and qualified. Board Members Cook, Evans, Hunter, Moschner, Schneider, Stockdale, Stone and Wolff are current and continuing Board Members. Board Members Cook, Evans and Moschner have been designated as Class III Board Members for a term expiring at the annual meeting of shareholders in 2018 or until their successors have been duly elected and qualified. Board Members Stockdale, Stone and Wolff have been designated as Class I Board Members and as nominees for Board Members for a term expiring at the annual meeting of shareholders in 2019 or until their successors have been duly elected and qualified.

- (ii) two (2) Board Members are to be elected by holders of Preferred Shares, voting separately as a single class. Board Members Hunter and Schneider are nominees for election by holders of Preferred Shares for a term expiring at the next annual meeting or until their successors have been duly elected and qualified.
- (b) For California Value, California Value 2, New Jersey Value and Pennsylvania Value: (4) Board Members are to be elected by all shareholders. Board Members Kundert, Nelson, Toth and Young have been designated as Class II Board Members and as nominees for Board Members for a term expiring at the annual meeting of shareholders in 2020 or until their successors have been duly elected and qualified. Board Members Cook, Evans, Hunter, Moschner, Schneider, Stockdale, Stone and Wolff are current and continuing Board Members. Board Members Cook, Evans, Moschner and Schneider have been designated as Class III Board Members for a term expiring at the annual meeting of shareholders in 2018 or until their successors have been duly elected and qualified. Board Members Hunter, Stockdale, Stone and Wolff have been designated as Class I Board Members and as nominees for Board Members for a term expiring at the annual meeting of shareholders in 2019 or until their successors have been duly elected and qualified.

It is the intention of the persons named in the enclosed proxy to vote the shares represented thereby for the election of the nominees listed in the table below unless the proxy is marked otherwise. Each of the nominees has agreed to serve as a Board Member of each Fund if elected. However, should any nominee become unable or unwilling to accept nomination for election, the proxies will be voted for substitute nominees, if any, designated by that Fund s present Board.

Class II Board Members: For Arizona Quality, California AMT-Free, California Value, California Value 2, California Quality, Michigan Quality, New Jersey Quality, New Jersey Value, Ohio Quality, Pennsylvania Quality, Pennsylvania Value and Texas Quality, Board Members Kundert, Nelson and Toth were lasted elected to the Fund s Board at the annual meeting of shareholders held on August 5, 2014. For Massachusetts Quality, Board Members Kundert, Nelson and Toth were lasted elected to the Fund s Board at the annual meeting of shareholders held on September 11, 2014.

Class III Board Members: For each Fund, Board Member Evans was last elected to the Fund s Board at the annual meeting of shareholders held on November 17, 2015.

Class I Board Members: For California Quality, Board Members Stockdale, Stone and Wolff were last elected to the Fund s Board at the annual meeting of shareholders held on September 12, 2016. For Arizona Quality, California AMT-Free, Massachusetts Quality, Michigan Quality, New Jersey Quality, Ohio Quality, Pennsylvania Quality and Texas Quality, Board Members Stockdale, Stone and Wolff were last elected to the Fund s Board at the annual meeting of shareholders held on November 15, 2016. For California Value, California Value 2, New Jersey Value and Pennsylvania Value, Board Members Hunter, Stockdale, Stone and Wolff were last elected to the Fund s Board at the annual meeting of shareholders held on November 15, 2016.

Board Members Elected by Holders of Preferred Shares: For California Quality, Board Members Hunter and Schneider were last elected to the Fund s Board at the annual meeting of shareholders held on September 12, 2016. For Arizona Quality, California AMT-Free,

Massachusetts Quality, Michigan Quality, New Jersey Quality, Ohio Quality, Pennsylvania Quality and Texas Quality, Board Members Hunter and Schneider were lasted elected to the Fund s Board at the annual meeting of shareholders held on November 15, 2016.

Board Member Appointments/Initial Elections: On June 22, 2016, Board Member Cook and Board Member Moschner were appointed as Board Members and designated as Class III Board Members for each Fund, effective July 1, 2016. On May 25, 2017, Board Member Young was appointed as a Board Member and designated as a Class II Board Member for each Fund, effective July 1, 2017.

Other than Board Member Cook, all Board Member nominees and current and continuing Board Members are not interested persons, as defined in the Investment Company Act of 1940, as amended (the 1940 Act ), of the Funds or the Adviser, Nuveen Fund Advisors, LLC ( Adviser ), and have never been an employee or director of Nuveen, the Adviser s parent company, or any affiliate. Accordingly, such Board Members are deemed Independent Board Members.

The Board unanimously recommends that shareholders vote FOR the election of the nominees.

## **Board Nominees/Board Members**

					Other
				Number of	Directorships
				Portfolios	Held by
				in Fund	Board
				Complex	Member
	Position(s)	Term of Office		Overseen	During the
	Held with	and Length	Principal Occupation(s)	by Board	Past Five
Name, Address and Year of Birth Nominees/Board Members who are not	Fund interested persons	of Time Served <sup>(1)</sup> of the Funds	During Past 5 Years	Member	Years
William J. Schneider <sup>(2)</sup> c/o Nuveen	Chairman of the Board; Board	Term: Annual or Class III Board Member until 2018	Chairman of Miller-Valentine Partners Ltd., a real estate investment company; Board	178	None
333 West Wacker Drive	Member	annual shareholder meeting <sup>(3)</sup>	Member of WDPR Public Radio Station; formerly, Senior Partner and Chief Operating Officer (retired, 2004) of Miller-Valentine		
Chicago, IL 60606 1944		Length of Service: Since 1996, Chairman of the Board Since July 1, 2013	Group; formerly, Director, Dayton Development Coalition; formerly, Board Member, Business Advisory Council, Cleveland Federal Reserve Bank and University of Dayton Business School Advisory Council.		
Jack B. Evans	Board Member	Term: Class III Board Member until 2018 annual	President, The Hall-Perrine Foundation, a private philanthropic corporation (since	178	Director and Chairman, United Fire
c/o Nuveen  333 West Wacker Drive		shareholder meeting	1996); Public Member Director, (since 2015) American Board of Orthopaedic Surgery; Life Trustee		Group, a publicly held company;
Chicago, IL 60606			of Coe College and Iowa College Foundation; formerly, Director, Federal Reserve Bank of Chicago;		formerly, Director, Alliant Energy.
1948		Length of Service: Since 1999	formerly, President and Chief Operating Officer, SCI Financial Group, Inc., a regional financial services firm; formerly, Member and President Pro Tem of the Board of Regents for the State of Iowa University System; formerly, Director, The Gazette Company.		

					Other
				Number of	Directorships
				Portfolios	Held by
				in Fund	Board
				Complex	Member
	Position(s)	Term of Office		Overseen	During the
	Held with	and Length	Principal Occupation(s)	by Board	Past Five
Name, Address and Year of Birth	Fund	of Time Served <sup>(1)</sup>	<b>During Past 5 Years</b>	Member	Years
William C. Hunter	Board Member	Term: Annual or Class I Board	Dean Emeritus (since 2012), formerly, Dean (2006-2012),	178	Director (since 2009) of
c/o Nuveen		Member until 2019 annual shareholder	Henry B. Tippie College of Business, University of Iowa; past		Wellmark, Inc; Director (since
333 West Wacker Drive		meeting <sup>(3)</sup>	Director (2005-2015) and past President (2010-2014), Beta Gamma Sigma, Inc., The		2004) of Xerox Corporation.
Chicago, IL 60606			International Business Honor Society; formerly, Director		
1948		Length of Service: Since 2004	(1997-2007), Credit Research Center at Georgetown University; formerly, Dean and Distinguished Professor of Finance, School of Business at the University of Connecticut (2003-2006); previously, Senior Vice President and Director of Research at the Federal Reserve Bank of Chicago (1995-2003).		

					Other
				Number of	Directorships
				Portfolios	Held by
				in Fund	Board
				Complex	Member
	Position(s)	Term of Office		Overseen	During the
	Held with	and Length	Principal Occupation(s)	by Board	Past Five
Name, Address and Year of Birth	Fund	of Time Served <sup>(1)</sup>	<b>During Past 5 Years</b>	Member	Years
David J. Kundert	Board Member	Term: Class II Board Member	Formerly, Director, Northwestern Mutual Wealth Management	178	None
c/o Nuveen		until 2017 annual shareholder	Company (2006-2013); retired (since 2004) as Chairman,		
333 West Wacker Drive		meeting	JPMorgan Fleming Asset Management; President and CEO, Banc One Investment Advisors		
Chicago, IL 60606			Corporation, and President, One Group Mutual Funds; prior		
1942		Length of Service: Since 2005	thereto, Executive Vice President, Bank One Corporation and		
			Chairman and CEO, Banc One Investment Management Group;		
			Regent Emeritus, Member of Investment Committee, Luther		
			College; Member of the Wisconsin Bar Association; Member of Board of Directors		
			and Chair of Investment Committee, Greater Milwaukee		
			Foundation; Member of the Board of Directors (Milwaukee), College		
			Possible; Member of the Board of Trustees, Milwaukee Repertory		
			Theater.		

					Other
				Number of	Directorships
				Portfolios	Held by
				in Fund	Board
				Complex	Member
	Position(s)	Term of Office		Overseen	During the
	Held with	and Length	Principal Occupation(s)	by Board	Past Five
Name, Address and Year of Birth	Fund	of Time Served <sup>(1)</sup>	<b>During Past 5 Years</b>	Member	Years
Albin F. Moschner c/o Nuveen 333 West Wacker Drive Chicago, Illinois 60606 1952	Board Member	Term: Class III Board Member until 2018 annual shareholder meeting  Length of Service: Since 2016	Founder and Chief Executive Officer, Northcroft Partners, LLC, a management consulting firm (since 2012); previously, held positions at Leap Wireless International, Inc., including Consultant (2011-2012), Chief Operating Officer (2008-2011), and Chief Marketing Officer (2004-2008); formerly, President, Verizon Card Services division of Verizon Communications, Inc. (2000-2003); formerly, President, One Point Services at One Point Communications (1999-2000); formerly, Vice Chairman of the Board, Diba, Incorporated (1996-1997); formerly, various executive positions with Zenith Electronics Corporation (1991-1996).	178	Director, USA Technologies, Inc., a provider of solutions and services to facilitate electronic payment transactions (since 2012); formerly, Director, Wintrust Financial Corporation (1996-2016).

					Other
				Number of	Directorships
				Portfolios	Held by
				in Fund	Board
				Complex	Member
	Position(s)	Term of Office		Overseen	During the
	Held with	and Length	Principal Occupation(s)	by Board	Past Five
Name, Address and Year of Birth	Fund	of Time Served <sup>(1)</sup>	During Past 5 Years	Member	Years
John K. Nelson	Board Member	Term: Class II Board Member	Member of Board of Directors of Core12 LLC (since 2008), a	178	None
c/o Nuveen		until 2017 annual shareholder	private firm which develops branding, marketing and		
333 West Wacker Drive		meeting	communications strategies for clients; Director of The Curran Center for Catholic American Studies (since 2009) and The President s Council, Fordham		
Chicago, IL 60606					
1962		Length of Service: Since 2013	University (since 2010); formerly, senior external advisor to the		
			financial services practice of Deloitte Consulting LLP		
			(2012-2014); formerly, Chief Executive Officer of ABN AMRO		
			N.V. North America, and Global Head of its Financial Markets		
			Division (2007-2008); prior senior positions held at ABN		
			AMRO include Corporate Executive Vice President and		
			Head of Global Markets the Americas (2006-2007), CEO of		
			Wholesale Banking North America and Global Head of		
			Foreign Exchange and Futures Markets (2001-2006), and		
			Regional Commercial Treasurer and Senior Vice President		
			Trading North America (1996-2001); formerly, Trustee at		
			St. Edmund Preparatory School in New York City; formerly, Chair		
			of the Board of Trustees of		
			Marian University (2011-2014).		

					Other
				Number of	Directorships
				Portfolios	Held by
				in Fund	Board
				Complex	Member
	Position(s)	Term of Office		Overseen	During the
	Held with	and Length	Principal Occupation(s)	by Board	Past Five
Name, Address and Year of Birth	Fund	of Time Served <sup>(1)</sup>	<b>During Past 5 Years</b>	Member	Years
Judith M. Stockdale	Board Member	Term: Class I Board Member	Board Member of the U.S. Endowment for Forestry and	178	None
c/o Nuveen		until 2019 annual shareholder meeting	Communities (since 2013); Board Member of the Land Trust		
333 West Wacker Drive			Alliance (since 2013); formerly, Executive Director (1994-2012), Gaylord and Dorothy Donnelley		
Chicago, IL 60606			Foundation; prior thereto, Executive Director, Great Lakes		
1947		Length of Service: Since 1997	Protection Fund (1990-1994).		
Carole E. Stone	Board Member	Term: Class I Board Member	Director, Chicago Board Options Exchange, Inc. (since 2006);	178	Director, CBOE Holdings, Inc.
c/o Nuveen		until 2019 annual shareholder	Director, C2 Options Exchange, Incorporated (since 2009);		(since 2010).
333 West Wacker Drive		meeting	formerly, Commissioner, New York State Commission on Public Authority Reform (2005-2010).		
Chicago, IL 60606			•		
1947		Length of Service: Since 2007			

					Other
				Number of	Directorships
				Portfolios	Held by
				in Fund	Board
				Complex	Member
	Position(s)	Term of Office		Overseen	During the
	Held with	and Length	Principal Occupation(s)	by Board	Past Five
Name, Address and Year of Birth	Fund	of Time Served <sup>(1)</sup>	<b>During Past 5 Years</b>	Member	Years
Terence J. Toth <sup>(4)</sup>	Board Member	Term: Class II Board Member	Co-Founding Partner, Promus Capital (since 2008); Director,	178	None
c/o Nuveen		until 2017 annual shareholder	Fulcrum IT Service LLC (since 2010), Quality Control Corporation (since 2012); formerly Director, LogicMark		
333 West Wacker Drive	meeting	meeting			
Chicago, IL 60606			LLC (2012-2016); formerly, Director, Legal & General		
1959		Length of Service: Since 2008	Investment Management America, Inc. (2008-2013); formerly, CEO and President, Northern Trust Global Investments (2004-2007); Executive Vice President, Quantitative Management & Securities Lending (2000-2004); prior thereto, various positions with Northern Trust Company (since 1994); Member, Chicago Fellowship Board (since 2005), Catalyst Schools of Chicago Board (since 2008) and Mather Foundation Board (since 2012) and Chair of its Investment Committee; formerly, Member, Northern Trust Mutual Funds Board (2005-2007), Northern Trust Global Investments Board (2004-2007), Northern Trust Japan Board (2004-2007), Northern Trust Securities Inc. Board (2003-2007) and Northern Trust Hong Kong Board (1997-2004).		

					Other
				Number of	Directorships
				Portfolios	Held by
				in Fund	Board
				Complex	Member
	Position(s)	Term of Office		Overseen	During the
-	Held with	and Length	Principal Occupation(s)	by Board	Past Five
Name, Address and Year of Birth	Fund	of Time Served <sup>(1)</sup>	<b>During Past 5 Years</b>	Member	Years
Margaret L. Wolff c/o Nuveen 333 West Wacker Drive Chicago, Illinois 60606 1955	Board Member	Term: Class I Board Member until 2019 annual shareholder meeting  Length of Service: Since 2016	Formerly, Of Counsel, Skadden, Arps, Slate, Meagher & Flom LLP (Mergers & Acquisitions Group) (2005-2014); Member of the Board of Trustees of New York-Presbyterian Hospital (since 2005); Member (since 2004) and Chair (since 2015) of the Board of Trustees of The John A. Hartford Foundation (a philanthropy dedicated to improving the care of older adults); formerly, Member (2005-2015) and Vice Chair (2011-2015) of the Board of Trustees of Mt. Holyoke College.	178	Member of the Board of Directors (since 2013) of Travelers Insurance Company of Canada and The Dominion of Canada General Insurance Company (each, a part of Travelers Canada, the Canadian operation of The Travelers Companies, Inc.).
Robert L. Young <sup>(5)</sup> c/o Nuveen 333 West Wacker Drive Chicago, IL 60606 1963	Board Member	Term: Class II Board Member until 2017 annual shareholder meeting  Length of Service: Since July 1, 2017	Formerly, Chief Operating Officer and Director, J.P. Morgan Investment Management Inc. (2010-2016); formerly, President and Principal Executive Officer (2013-2016), and Senior Vice President and Chief Operating Officer (2005-2010) of J.P. Morgan Funds; formerly, Director and various officer positions for J.P. Morgan Investment Management Inc. (formerly, JPMorgan Funds Management, Inc. and formerly, One Group Administrative Services) and JPMorgan Distribution Services, Inc. (formerly, One Group Dealer Services, Inc.) (1999-2017).	176	None

					Other
				Number of	Directorships
				Portfolios	Held by
				in Fund	Board
				Complex	Member
	Position(s)	Term of Office		Overseen	During the
Name Address	Held with	and Length	<b>Principal Occupation</b> (s)	by Board	Past Five
Name, Address and Year of Birth Nominees/Board Members who are	Fund interested persons of	of Time Served <sup>(1)</sup> the Funds	<b>During Past 5 Years</b>	Member	Years
Margo L. Cook <sup>(6)</sup> c/o Nuveen 333 West Wacker Drive Chicago, IL 60606 1964	Board Member	Term: Class III Board Member until 2018 annual shareholder meeting  Length of Service: Since 2016	President (since 2017), formerly, Co-Chief Executive Officer and Co-President (2016-2017), formerly, Senior Executive Vice President of Nuveen Investments, Inc.; Executive Vice President (since February 2017) of Nuveen LLC; President (since August 2017), formerly, Co-President (October 2016-August 2017), formerly, Senior Executive Vice President (2015-2016) of Nuveen Fund Advisors, LLC (Executive Vice President, Global Products and Solutions (since July 2017), and Co-Chief Executive Officer (since 2015), formerly, Co-President (2015-2017) and Executive Vice President (2013 2015), of Nuveen Securities, LLC; President (since 2017), Nuveen Alternative Investments, LLC; Chartered Financial Analyst.	178	None

<sup>(1)</sup> Length of Time Served indicates the year in which the individual became a Board Member of a fund in the Nuveen fund complex.

<sup>(2)</sup> Mr. Schneider is one of several owners and managing members in two limited liability companies and a general partner and one member of the governing body of a general partnership, each engaged in real estate ownership activities. In connection with their ordinary course of investment activities, court appointed receivers have been named for certain individual properties owned by such entities. The individual properties for which a receiver has been appointed represent an immaterial portion of the portfolio assets owned by these entities.

<sup>(3)</sup> For California Value, California Value 2, New Jersey Value and Pennsylvania Value, Board Member Hunter serves as a Class I Board Member and Board Member Schneider serves as a Class III Board Member.

<sup>(4)</sup> Mr. Toth serves as a director on the Board of Directors of the Mather Foundation (the Foundation) and is a member of its investment committee. The Foundation is the parent of the Mather LifeWays organization, a non-profit charitable organization. Prior to Mr. Toth joining the Board of the Foundation, the Foundation selected Gresham Investment Management (Gresham), an affiliate of the Adviser, to manage a portion of the Foundation s investment portfolio, and pursuant to this selection, the Foundation has invested that portion of its investment portfolio in a private commodity pool managed by Gresham.

<sup>(5)</sup> Mr. Young is a Board Member of each of the Nuveen Funds except Nuveen Diversified Dividend and Income Fund and Nuveen Real Estate Income Fund.

<sup>(6)</sup> Board Member Cook is an interested person as defined in the 1940 Act by reason of her position with Nuveen, LLC and/or certain of its subsidiaries.

#### **Board Member Investments in the Funds**

In order to create an appropriate identity of interests between Board Members and shareholders, the Boards of Directors/Trustees of the Nuveen funds have adopted a governance principle pursuant to which each Board Member is expected to invest, either directly or on a deferred basis, at least the equivalent of one year of compensation in the funds in the Nuveen fund complex.

The dollar range of equity securities beneficially owned by each Board Member in each Fund and all Nuveen funds overseen by the Board Member as of July 31, 2017 is set forth in Appendix A. The number of shares of each Fund beneficially owned by each Board Member and by the Board Members and officers of the Funds as a group as of July 31, 2017 is also set forth in Appendix A. On July 31, 2017, Board Members and executive officers as a group beneficially owned approximately 1.3 million shares of all funds managed by the Adviser (including shares held by the Board Members through the Deferred Compensation Plan for Independent Board Members and by executive officers in Nuveen s 401(k)/profit sharing plan). As of September 18, 2017, each Board Member s individual beneficial shareholdings of each Fund constituted less than 1% of the outstanding shares of the Fund. As of September 18, 2017, the Board Members and executive officers as a group beneficially owned less than 1% of the outstanding shares of each Fund. As of September 18, 2017, no shareholder beneficially owned more than 5% of any class of shares of any Fund, except as provided in Appendix B.

#### Compensation

Prior to January 1, 2017, each Independent Board Member received a \$170,000 annual retainer plus: (a) a fee of \$5,550 per day for attendance in person or by telephone at regularly scheduled meetings of the Board; (b) a fee of \$3,000 per meeting for attendance in person or by telephone at special, non-regularly scheduled meetings of the Board where in-person attendance was required and \$2,000 per meeting for attendance by telephone or in person at such meetings where in-person attendance was not required; (c) a fee of \$2,500 per meeting for attendance in person or by telephone at Audit Committee meetings where in-person attendance was required and \$2,000 per meeting for attendance by telephone or in person at such meetings where in-person attendance was not required; (d) a fee of \$2,500 per meeting for attendance in person or by telephone at Compliance, Risk Management and Regulatory Oversight Committee meetings where in-person attendance was required and \$2,000 per meeting for attendance by telephone or in person at such meetings where in-person attendance was not required; (e) a fee of \$1,000 per meeting for attendance in person or by telephone at Dividend Committee meetings; (f) a fee of \$2,500 per meeting for attendance in person or by telephone at Closed-End Funds Committee meetings where in-person attendance was required and \$2,000 per meeting for attendance by telephone or in person at such meetings where in-person attendance was not required, provided that no fees were received for meetings held on days on which regularly scheduled Board meetings were held; and (g) a fee of \$500 per meeting for attendance in person or by telephone at all other committee meetings (\$1,000 for shareholder meetings) where in-person attendance was required and \$250 per meeting for attendance by telephone or in person at such committee meetings (excluding shareholder meetings) where in-person attendance was not required, and \$100 per meeting when the Executive Committee acted as pricing committee for IPOs, plus, in each case, expenses incurred in attending such meetings, provided that no fees were received for meetings

held on days on which regularly scheduled Board meetings were held. In addition to the payments described above, the Chairman of the Board received \$80,000, the chairpersons of the Audit Committee, the Dividend Committee, the Compliance, Risk Management and Regulatory Oversight Committee, the Closed-End Funds Committee and the Nominating and Governance Committee received \$12,500 each as additional annual retainers. Independent Board Members also received a fee of \$3,000 per day for site visits to entities that provided services to the Nuveen funds on days on which no Board meeting was held. When ad hoc committees were organized, the Nominating and Governance Committee would at the time of formation determine compensation to be paid to the members of such committee; however, in general, such fees were \$1,000 per meeting for attendance in person or by telephone at ad hoc committee meetings where in-person attendance was required and \$500 per meeting for attendance by telephone or in person at such meetings where in-person attendance was not required. The annual retainer, fees and expenses were allocated among the Nuveen funds on the basis of relative net assets, although management may, in its discretion, have established a minimum amount to be allocated to each fund.

Effective January 1, 2017, each Independent Board Member receives a \$177,500 annual retainer plus (a) a fee of \$5,750 per day for attendance in person or by telephone at regularly scheduled meetings of the Board; (b) a fee of \$3,000 per meeting for attendance in person or by telephone at special, non-regularly scheduled Board Meetings where in-person attendance is required and \$2,000 per meeting for attendance by telephone or in person at such meetings where in-person attendance is not required; (c) a fee of \$2,500 per meeting for attendance in person or by telephone at Audit Committee meetings where in-person attendance is required and \$2,000 per meeting for attendance by telephone or in person at such meetings where in-person attendance is not required; (d) a fee of \$2,500 per meeting for attendance in person or by telephone at Compliance, Risk Management and Regulatory Oversight Committee meetings where in-person attendance is required and \$2,000 per meeting for attendance by telephone or in person at such meetings where in-person attendance is not required; (e) a fee of \$1,000 per meeting for attendance in person or by telephone at Dividend Committee meetings; (f) a fee of \$500 per meeting for attendance in person or by telephone at all other committee meetings (\$1,000 for shareholder meetings) where in person attendance is required and \$250 per meeting for attendance by telephone or in person at such committee meetings (excluding shareholder meetings) where in-person attendance is not required and \$100 per meeting when the Executive Committee acts as pricing committee for IPOs, plus, in each case, expenses incurred in attending such meetings, provided that no fees are received for meetings held on days on which regularly scheduled Board meetings are held and (g) a fee of \$2,500 per meeting for attendance in person or by telephone at Closed-End Funds Committee meetings where in-person attendance is required and \$2,000 per meeting for attendance by telephone or in person at such meetings where in-person attendance is not required; provided that no fees are received for meetings held on days on which regularly scheduled Board meetings are held. In addition to the payments described above, the Chairman of the Board receives \$80,000, the chairpersons of the Audit Committee, the Dividend Committee, the Compliance, Risk Management and Regulatory Oversight Committee, the Closed-End Funds Committee and the Nominating and Governance Committee receive \$12,500 each as additional retainers. Independent Board Members also receive a fee of \$3,000 per day for site visits to entities that provide services to the Nuveen funds on days on which no Board meeting is held. When ad hoc committees are organized, the Nominating and Governance Committee will at the time of formation determine compensation to be paid to the members of such committee; however, in

general, such fees will be \$1,000 per meeting for attendance in person or by telephone at ad hoc committee meetings where in-person attendance is required and \$500 per meeting for attendance by telephone or in person at such meetings where in-person attendance is not required. The annual retainer, fees and expenses are allocated among the Nuveen funds on the basis of relative net assets, although management may, in its discretion, establish a minimum amount to be allocated to each fund. In certain instances fees and expenses will be allocated only to those Nuveen funds that are discussed at a given meeting.

The Funds do not have retirement or pension plans. Certain Nuveen funds (the Participating Funds ) participate in a deferred compensation plan (the Deferred Compensation Plan ) that permits an Independent Board Member to elect to defer receipt of all or a portion of his or her compensation as an Independent Board Member. The deferred compensation of a participating Independent Board Member is credited to a book reserve account of the Participating Fund when the compensation would otherwise have been paid to such Independent Board Member. The value of an Independent Board Member s deferral account at any time is equal to the value that the account would have had if contributions to the account had been invested and reinvested in shares of one or more of the eligible Nuveen funds. At the time for commencing distributions from an Independent Board Member s deferral account, the Independent Board Member may elect to receive distributions in a lump sum or over a period of five years. The Participating Fund will not be liable for any other fund s obligations to make distributions under the Deferred Compensation Plan.

The Funds have no employees. The officers of the Funds and the Board Members of each Fund who are not Independent Board Members serve without any compensation from the Funds.

The table below shows, for each Independent Board Member, the aggregate compensation paid by each Fund to the Independent Board Member/nominee for its last fiscal year.

Aggregate	Compones	tion from	the F	unde(*)
Aggregate	Compensa	11011 II 0111	me r	unus( · )

	Judith										
	Jack B.	William C.	David J.	Albin F.	John K.	William J.	Μ.	Carole E.	Terence J.	MargaretR	Robert L.
Fund Name	Evans	Hunter	Kundert	Moschner(1)	Nelson	Schneider	Stockdale	Stone	Toth	L. Wolff Y	Young <sup>(2)</sup>
Arizona Quality	\$ 734	\$ 691	\$ 707	\$ 309	\$ 757	\$ 833	\$ 682	\$ 735	\$ 724	\$ 586	\$
California AMT-Free	3,268	3,082	3,412	1,425	3,381	3,869	3,036	3,590	3,268	2,712	
California Quality	9,527	8,993	9,947	4,066	9,856	11,286	8,858	9,748	9,535	7,890	
California Value	803	757	837	349	831	958	746	821	795	662	
California Value 2	157	147	151	66	162	179	145	156	155	124	
Massachusetts Quality	584	542	563	374	603	768	544	583	676	531	
Michigan Quality	1,411	1,332	1,473	594	1,459	1,658	1,312	1,444	1,396	1,168	
New Jersey Quality	2,815	2,659	2,939	1,178	2,912	3,307	2,620	2,881	2,787	2,327	
New Jersey Value	70	66	67	30	72	80	65	70	69	55	
Ohio Quality	1,318	1,245	1,376	550	1,364	1,549	1,227	1,349	1,305	1,089	
Pennsylvania Quality	2,487	2,351	2,597	1,058	2,573	2,925	2,316	2,546	2,462	2,059	
Pennsylvania Value	55	52	53	23	57	63	51	55	54	44	
Texas Quality	656	618	632	274	677	738	610	655	648	523	
Total Compensation from Nuveen											
Funds Paid to Board											
Members/Nominees	\$ 23,884	\$ 22,537	\$ 24,754	\$ 10,297	\$ 24,702	\$ 28,212	\$ 22,211	\$ 24,631	\$ 23,875	\$ 19,769	\$

<sup>(1)</sup> Board Member Moschner was appointed on June 22, 2016 to the Board of Trustees/Directors of the Funds effective July 1, 2016. (2) Board Member Young was appointed to the Board of Trustees/Directors of the Funds effective July 1, 2017.

(\*) Includes deferred fees. Pursuant to the Deferred Compensation Plan with certain Participating Funds, deferred amounts are treated as though an equivalent dollar amount has been invested in shares of one or more Participating Funds. Total deferred fees for the Participating Funds (including the return from the assumed investment in the Participating Funds) payable are:

			Albin				Judith				Margaret			
	Jac	kB.	William C.	David J.	F.	John K.	Willia	am J.	Μ.	Carol	еE.	Terence J.	L.	Robert L.
Fund Name	Ev	ans	Hunter	Kundert	$Moschner^{(1)} \\$	Nelson	Schn	eider	Stockdale	Stor	ıe	Toth	Wolff	Young(2)
Arizona Quality	\$	1	\$	\$	\$	\$	\$	8	\$	\$	3	\$	\$	\$
California AMT-Free		319												