

A TIAA Company

# NUVEEN FUNDS ACCOUNT APPLICATION

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Please send your signed and completed application to Nuveen Funds per the Return Completed Forms section below or in the enclosed postage-paid business-reply envelope. Please contact Nuveen Funds with any questions at 800-257-8787.

# IMPORTANT INFORMATION ABOUT PROCEDURES FOR OPENING A NEW ACCOUNT

To help the government fight the funding of terrorism and money laundering activities, federal law requires all financial institutions to obtain, verify, and record information that identifies each person who opens an account.

What this means for you: When you open an account, we will ask for your name, address, date of birth, Social Security number and other information that will allow us to identify you (including a state-issued driver's license or other government-issued identification). This information will be verified to ensure the identity of all individuals opening a mutual fund account. Until you provide the information we need, we may not be able to open an account or effect any transactions for you.

1. ACCOUNT REGISTRATION (REQUIRED) Please print or ty	ype. Check ONE box only.
Individual	Transfer on Death (TOD) (select one) Individual Joint
Joint Account (Joint Owners have rights of survivorship unless you indicate	(add your beneficiary designation in section 11.)
otherwise.)	Estate
Uniform Gifts to Minors (UGMA) or Uniform Transfers to Minors	Trusts (Please attach the initial page(s) of the trust agreement identifying
(UTMA) State	the parties to the trust and the signature page(s). Foreign trusts are not permitted to have shareholder accounts.)
If you are opening any of the accounts in the section below, you must co Ownership Certification F40214 in order for the account to be establish	
Corporation (A copy of the certified articles of incorporation and business license of the corporation must be attached. Please also select S or C Corporation below.)	Statutory Trust (The initial page(s) of the trust agreement identifying the parties to the trust, the date, and the signature page(s) must be attached.)
S Corporation C Corporation	Nonprofit, Foundation or Other 501(c)(3) (Copy of the articles of incorporation must be attached.)
Limited Liability Company	Unincorporated Association
Partnership (Copy of the partnership agreement must be attached.)	Other If you select other, please specify and include any other applicable documents.:
Check below if exempt from verification due to:	
Financial institution regulated by a federal functional regulator	Bank regulated by a state bank regulator
Publicly traded corporation Ticker/Symbol	Sole Proprietorship
Name of Individual, Custodian (one per account), Entity, or Trust	
Prefix First Name	MI Last Name
Name of Entity or Trust	
Social Security Number/	
Taxpayer Identification Number Date of Birth (mmddyyyy)	
(Continued)	

(Continued)



1. ACCOUNT REGISTRATION (REQUIRED) (CONTINUED	)	
Name of Individual, Custodian (one per account), Entity, or Trust (continued)	)	
Address (If the below address is a P.O. Box, you must also provide a street address)	City	State Zip Code
Address Street or P.O. Box (APO and FPO addresses will be accepted)	City	State Zip Code
Are you an existing Nuveen Funds Shareholder? Yes No		
If yes, please list ONE of your Nuveen Funds' Account Numbers		
Citizenship For foreign accounts, one of the following must be provided: non-U.S. citizen	ID or naceport number with country of iccurance	a along with photocopy of ID
U.S. Resident Non-U.S. Citizen Nonresident, Non-U.S. Cit	tizen	(Specify country)
Non-U.S. Citizen ID or Passport Number		
Primary Phone Number Phone Number Type Se	condary Phone Number Phone Nu	mher Tyne
Mobile Home Business	Mobil	
		Trome Buomood
	nail Address	
Mobile Home Business		
Check One:		
Name of Joint Owner, Minor (one per account)  Trustee(s)  En	tity (Authorized Signer) Executor	
For additional trustees, or executors, please attach a separate piece of page 200.	aper.	
Prefix First Name	MI Last Name	
Role of Entity - Authorized Signer		
Carial Cagueity Number/		
Social Security Number/ Taxpayer Identification Number  Date of Birth (mm/dd/yyyy)		

(Continued)



1. ACCOUNT REGISTRATION (REQUIRED) (CONTINU	JED)	
Joint Owner, Minor, Trustee(s) Mailing Address (Only required if different	from owner's street address)	
Address Street or P.O. Box (APO and FPO addresses will be accepted)	City	State Zip Code
Address (If the above address is a P.O. Box, you must also provide a street address	s) City	State Zip Code
$\textbf{Citizenship} \   \text{For foreign accounts, one of the following must be provided: non-U.S.} \   \alpha = 0.000000000000000000000000000000000$	citizen ID or passport number with country	of issuance along with photocopy of ID.
U.S. Resident Non-U.S. Citizen Nonresident, Non-U.	S. Citizen	(Specify country)
Non-U.S. Citizen ID or Passport Number		
Primary Phone Number Phone Number Type	Secondary Phone Number	Phone Number Type
Mobile Home Business		Mobile Home Business
Alternate Phone Number Phone Number Type	Email Address	
Mobile Home Business		
Broker-Dealer Information		
Broker-Dealer	Branch Number (if known)	Representative Number (if known)
Financial Advisor Name		
Financial Advisor Street Address	City	State Zip Code
Financial Advisor Telephone Number Financial Advisor Email Ad	dress	

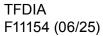


# 2. INITIAL INVESTMENT

Be sure to read the current prospectuses carefully before investing. The minimum investment per fund is \$2,500 unless you plan to participate in our Automatic Investment Plan. (See Section 9.) The minimum initial investment for a UGMA or UTMA account is also \$2,500 per fund. Please indicate below the amount to be invested per fund.

A CLASS							
FUND NAME (FUND CODE)	AMOUNT	PERCENT		FUND NAME (FUND CODE)	AMOUNT	PERCENT	
Nuveen 5-15 Year Laddered Tax Exempt Bond Fund (98)	\$		%	Nuveen Floating Rate Income Fund (5064)	\$		%
Nuveen All-American Municipal Bond Fund (1167)	\$		%	Nuveen Georgia Municipal Bond Fund (5006)	\$		%
Nuveen Arizona Municipal Bond Fund (5002)	\$		%	Nuveen Global Dividend Growth Fund (3037)	\$		%
Nuveen Bond Index Fund (91)	\$		%	Nuveen Global Equity Income Fund (1759)	\$		%
Nuveen California High Yield Municipal Bond Fund (1780)	\$		%	Nuveen Global Infrastructure Fund (6725)	\$		%
Nuveen California Municipal Bond Fund (5003)	\$		%	Nuveen Global Real Estate Securities Fund (7270)	\$		%
Nuveen Colorado Municipal Bond Fund (5004)	\$		%	Nuveen Green Bond Fund (2608)	\$		%
Nuveen Connecticut Municipal Bond Fund (5005)	\$		%	Nuveen High Yield Fund (95)	\$		%
Nuveen Core Bond Fund (66)	\$		%	Nuveen High Yield Income Fund (5055)	\$		%
Nuveen Core Equity Fund (64)	\$		%	Nuveen High Yield Municipal Bond Fund (5000)	\$		%
Nuveen Core Impact Bond Fund (45)	\$		%	Nuveen Inflation Linked Bond Fund (90)	\$		%
Nuveen Core Plus Bond Fund (96)	\$		%	Nuveen Intermediate Duration Municipal Bond Fund (1170)	\$		%
Nuveen Credit Income Fund (6942)	\$		%	Nuveen International Bond Fund (2957)	\$		%
Nuveen Dividend Growth Fund (5031)	\$		%	Nuveen International Dividend Growth Fund (5068)	\$		%
Nuveen Dividend Value Fund (6759)	\$		%	Nuveen International Equity Fund (61)	\$		%
Nuveen Emerging Markets Debt Fund (2794)	\$		%	Nuveen International Opportunities Fund (49)	\$		%
Nuveen Emerging Markets Equity Fund (67)	\$		%	Nuveen International Responsible Equity Fund (2762)	\$		%
Nuveen Emerging Markets Equity Index Fund (69)	\$		%	Nuveen International Value Fund (1159)	\$		%
Nuveen Equity Index Fund (65)	\$		%	Nuveen Kansas Municipal Bond Fund (5007)	\$		%
Nuveen Equity Long/Short Fund (5044)	\$		%	Nuveen Kentucky Municipal Bond Fund (5008)	\$		%
Nuveen Flexible Income Fund (5052)	\$		%	Nuveen Large Cap Growth Fund (68)	\$		%

 $<sup>^{\</sup>dagger\dagger}$  Effective 7/1/25 Mid Cap Value 1 Fund was renamed to Nuveen Mid Cap Value Opportunities Fund. (Continued)





 $<sup>^{\</sup>star}$  Effective 12/13/24 the Nuveen Social Choice Low Carbon Equity Fund merged into Nuveen Large Cap Responsible Equity Fund.

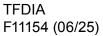
<sup>\*\*</sup> Effective 2/28/25 the following name change was made: Nuveen Mid Cap Growth Opportunities Fund was renamed Nuveen Small/Mid Cap Growth Opportunities Fund.

<sup>&</sup>lt;sup>†</sup> Effective 3/1/25 Nuveen Mid Cap Growth Fund was renamed to Nuveen Quant Mid Cap Growth Fund.

# 2. INITIAL INVESTMENT (CONTINUED)

A CLASS						
FUND NAME (FUND CODE)	AMOUNT	PERCENT	FUND NAME (FUND CODE)	AMOUNT	PERCENT	
Nuveen Large Cap Responsible Equity Fund (62)*	\$		% Nuveen Multi Cap Value Fund (1157)			%
Nuveen Large Cap Select Fund (2605)	\$		% Nuveen Nebraska Municipal Bond Fund (5022)	S		%
Nuveen Large Cap Value Fund (85)	\$		% Nuveen New Jersey Municipal Bond Fund (5013)	3		%
Nuveen Large Cap Value Opportunities Fund (5034)	\$		% Nuveen New Mexico Municipal Bond Fund (5014)			%
Nuveen Lifecycle Retirement Income Fund (70)	\$		% Nuveen New York Municipal Bond Fund (5015)	S		%
Nuveen Lifestyle Aggressive Growth Fund (94)	\$		% Nuveen North Carolina Municipal Bond Fund (5016)			%
Nuveen Lifestyle Conservative Fund (78)	\$		$\%  \mbox{Nuveen Ohio Municipal Bond Fund}  \mbox{(5017)}  $			%
Nuveen Lifestyle Growth Fund (93)	\$		% Nuveen Oregon Intermediate Municipal Bond Fund (6779)	8		%
Nuveen Lifestyle Income Fund (77)	\$		% Nuveen Pennsylvania Municipal Bond Fund (5018)	3		%
Nuveen Lifestyle Moderate Fund (79)	\$		% Nuveen Preferred Securities and Income Fund (5040)	3		%
Nuveen Limited Term Municipal Bond Fund (5001)	\$		% Nuveen Quant International Small Cap Equity Fund (2966)	3		%
Nuveen Louisiana Municipal Bond Fund (5009)	\$		% Nuveen Quant Mid Cap Growth Fund (86)†	3		%
Nuveen Managed Allocation Fund (99)	\$		$\%$ Nuveen Quant Small Cap Equity Fund $\ensuremath{\langle} (88)$	3		%
Nuveen Maryland Municipal Bond Fund (5010)	\$		% Nuveen Quant Small/Mid Cap Equity Fund (2956)	8		%
Nuveen Massachusetts Municipal Bond Fund (5011)	\$		% Nuveen Real Asset Income Fund (6732)	3		%
Nuveen Michigan Municipal Bond Fund (5012)	\$		% Nuveen Real Estate Securities Fund $(817)$	3		%
Nuveen Mid Cap Value Opportunities Fund (6786)††	\$		% Nuveen Real Estate Securities Select Fund (89)			%
Nuveen Mid Cap Value Fund (87)	\$		% Nuveen Short Duration High Yield Municipal Bond Fund (5026)	8		%
Nuveen Minnesota Intermediate Municipal Bond Fund (6804)	\$		% Nuveen Short Duration Impact Bond Fund (2609)			%
Nuveen Minnesota Municipal Bond Fund (6484)	\$		% Nuveen Short Term Bond Fund (97)	S		%
Nuveen Missouri Municipal Bond Fund (1186)	\$		$\%  \begin{array}{ll} \text{Nuveen Short Term Bond Index Fund} \\ \text{(2797)} \end{array}$	S		%
Nuveen Money Market Fund (63)	\$		% Nuveen Short Term Municipal Bond Fund (5024)			%

 $<sup>^{\</sup>dagger\dagger}$  Effective 7/1/25 Mid Cap Value 1 Fund was renamed to Nuveen Mid Cap Value Opportunities Fund. (Continued)





<sup>\*</sup> Effective 12/13/24 the Nuveen Social Choice Low Carbon Equity Fund merged into Nuveen Large Cap Responsible Equity Fund.

<sup>\*\*</sup> Effective 2/28/25 the following name change was made: Nuveen Mid Cap Growth Opportunities Fund was renamed Nuveen Small/Mid Cap Growth Opportunities Fund.

 $<sup>^\</sup>dagger\,$  Effective 3/1/25 Nuveen Mid Cap Growth Fund was renamed to Nuveen Quant Mid Cap Growth Fund.

# 2. INITIAL INVESTMENT (CONTINUED)

A CLASS					
FUND NAME (FUND CODE)	AMOUNT	PERCENT	FUND NAME (FUND CODE)	AMOUNT	PERCENT
Nuveen Small Cap Growth Opportunities Fund (2454)	\$		% Nuveen Strategic Income Fund (1345)	\$	9/
Nuveen Small Cap Select Fund (5061)	\$		% Nuveen Strategic Municipal Opportunities Fund (6992)	\$	9/
Nuveen Small Cap Value Fund (6740)	\$		% Nuveen Virginia Municipal Bond Fund (5019)	\$	9/
Nuveen Small Cap Value Opportunities Fund (5028)	\$		% Nuveen Winslow Large-Cap Growth ESG Fund (5049)	\$	9/
Nuveen Small/Mid Cap Growth Opportunities Fund (6449)**	\$		% Nuveen Wisconsin Municipal Bond Fund (5020)	\$	9/
Nuveen Small/Mid Cap Value Fund (5037)	\$		% Total Amount or Percentage	\$	9/
Please indicate payment method b	elow (U.S. dolla	rs only):	Wire D	ate (mm/dd/yyyy)	
Check made payable to Nuveen	Funds Wi	re assets directly.	(See prospectuses for instructions.)	/ / _ 2	0
Payment from other Nuveen ac	<b>COUNT:</b> (Payments ι	under \$2,500 will be	returned.)		
Existing Mutual Fund accor	unt number				
(Complete the Redemption and Transfe	er Form for Non-IRA	Accounts F11416)			
Existing other Nuveen acco	ount				
(Please complete required paperwork	and direct funds to t	he new account.)			

Please note: Third-party checks can be accepted for subsequent purchases only and if \$10,000 or less. Cashier's checks can be accepted if \$10,000 or less. All purchases must be in U.S. dollars and all checks must be drawn on U.S. banks. Nuveen Funds will not accept payment in the following forms: traveler's checks, money orders, credit card convenience checks, cash, counter checks, virtual currency (such as Bitcoin), or starter checks. Nuveen Funds will not accept corporate checks for investment into noncorporate accounts.



<sup>\*</sup> Effective 12/13/24 the Nuveen Social Choice Low Carbon Equity Fund merged into Nuveen Large Cap Responsible Equity Fund.

<sup>\*\*</sup> Effective 2/28/25 the following name change was made: Nuveen Mid Cap Growth Opportunities Fund was renamed Nuveen Small/Mid Cap Growth Opportunities Fund.

<sup>&</sup>lt;sup>†</sup> Effective 3/1/25 Nuveen Mid Cap Growth Fund was renamed to Nuveen Quant Mid Cap Growth Fund.

<sup>&</sup>lt;sup>††</sup> Effective 7/1/25 Mid Cap Value 1 Fund was renamed to Nuveen Mid Cap Value Opportunities Fund.

3. COST BASIS ELECTION METHOD (CHOOSE ONE.)							
ease select <b>one</b> of the cost basis determination methods from the list below. If you do not select an option, the Funds' default method of verage Cost will be recorded as your Cost Basis Method. If you select the Specific Lot Identification method, you are required to select a econdary cost basis method; otherwise, you will be defaulted into First In First Out as your secondary cost basis method.							
ACST – Average Cost: A method that calculates the gain/loss by adding up the number of shares owned as well as the total dollar amount of the shares; the dollar amount is divided by the number of shares. The average price of covered securities is calculated separately from noncovered securities, as if they were in two accounts.							
FIFO - First In First Out: A standing order to sell the oldest shares in the account first.							
LIFO - Last In First Out: A standing order to sell the newest shares in	LIFO - Last In First Out: A standing order to sell the newest shares in the account first.						
HCFO - High Cost First Out: A standing order to sell the most expensi	ve share:	ares in the account first.					
LCFO - Low Cost First Out: A standing order to sell the least expensive	shares	res in the account first.					
LGUT - Loss/Gain Utilization: A method that evaluates losses and gain conjunction with a holding period.	s and th	then systemically selects lots based on that gain/loss in					
SLID - Specific Lot Identification: The shareholder designates specific	shares	res for each redemption.					
Secondary Reporting Method Required (SLID only)							
4. DUPLICATE STATEMENTS							
Complete this section if you wish someone else to receive copies of your	stateme	ments.					
Please send a duplicate copy of my statement to the address below:							
First Name MI Last Name							
Street Address	City	State Zip Code					
Daytime Telephone Number							



### 5. TELEPHONE OPTIONS

These services allow you to invest, redeem or exchange by telephone or web among your identically registered accounts. You will also have access to your account through the Automated Telephone Service (ATS) and the Internet. See the Nuveen Funds prospectuses for details. These services will be automatically added to your account unless you check **No** below.

### **Telephone Purchase**

This option lets you invest by telephone with payments transferred by Automated Clearing House (ACH) from your designated bank account to your existing mutual fund account (\$100 minimum). Please complete Section 8.

#### Telephone Exchange

This option permits exchanges among Nuveen Funds with the same account registrations (\$50 minimum to an existing account/\$2,500 minimum to a new account or UGMA/UTMA account).

#### **Telephone Redemption**

This option lets you redeem shares by telephone. The proceeds may be mailed to your account address, transferred to your bank by ACH, or wired to your bank account (\$5,000 minimum for wire).

For ACH or wire transactions, please complete Section 8.

If you do not want teleph	one options check this box	No	
6. DISTRIBUTION (	OPTIONS		
Unless you choose an option	on below, all dividends and capi	tal gains will be reinvested. See the	prospectuses for other available distribution options.
Dividends in Cash	Capital Gains in Cash	Check to Address on Record	Automated Clearing House (ACH) to Bank on File (Section 8 must be completed.)
Note: Whatever option is	selected for dividends, short-to	erm capital gains will automaticall	y use the same method.

# 7. CHECK WRITING PRIVILEGES—SIGNATURE CARD FOR MONEY MARKET FUND ONLY

For Money Market Fund only: Complete this section for check writing privileges. All Shareholders must sign below. However, only one signature will be required on each check. You can write checks for \$250 or more on your Nuveen Money Market Fund. A checkbook will be mailed to the address on the account 10 days after the account has been established.

Please note: You cannot write a check to redeem shares from the Money Market Fund for 10 days after sending us a check or automatic investment plan payment to purchase shares in the fund, or if your Money Market Fund Account does not otherwise have a sufficient balance to support the redemption check.

By signing this form, I agree to all of State Street Bank's checking account rules, and to any conditions and limitations on redeeming shares of the Nuveen Money Market Fund by check, including any described in the Nuveen Mutual Funds prospectus. I also agree that:

- State Street Bank is authorized to effect a redemption of sufficient shares in my account to cover payment of checks drawn upon this account.
- State Street Bank and Nuveen Funds reserve the right to change, revoke or close any checking account, and neither shall incur any liability to me for honoring checks or for effecting redemptions to pay checks, nor for returning checks that have not been accepted.
- The signatures are authentic, and, for organizations, I have submitted an original or certified resolution authorizing the individuals with legal capacity to sign and act on behalf of the organization.

### PLEASE SIGN HERE

Print Name of Owner, Custodian, or Trustee, etc.	Your Signature	Today's Date (mm/dd/yyyy)
		/ 20
Print Name of Joint Owner or Co-Trustee, etc. (if any)	Your Signature	Today's Date (mm/dd/yyyy)
		/ / 20



8. BANK INFORMATION			<b>-</b>		al I a a Bi
You must complete this section if you		n via ACH or wire,	lelephone Purchas	se, or the Automa	uc Investment Plan
Type of Account Checking	Savings				
Name of Primary Bank Account Own	er	Name of Join	t Bank Account Ov	vner	
D 1 H					
Bank Name		ABA Routing	Number		
Dank Dhana Numban		Dank Assaus	• November 211		
Bank Phone Number		Bank Accoun	t Number		
ATTACH A VOIDED BANK	CHECK OR PREPRINTED SAVING	SS DEPOSIT SLIP	This will ensure a	ccurate hank inf	iormation
9. AUTOMATIC INVESTMEN		do DEI OON OEN.	Tills will clisuic a	ocurate bank iiii	ormation.
If you would like to participate in the below the amount to invest, the frequoccur on both the 1 <sup>st</sup> and the 15 <sup>th</sup> , w (Please also complete Section 8.) FUND NAME AND FUND CODES ARE	ency, the first month to begin de hile monthly investments occur o	ebiting your accou	nt and the time int	erval. Semimontl	hly investments
FUND NAME	FUND CODE DOLLAR	AMOUNT	SEMI MONTHLY	START MONTH	1 <sup>ST</sup> MONTH 15 <sup>TH</sup> MC
	\$				
	\$				
	\$				
	\$				
10. TRUSTED CONTACTS (	OPTIONAL )				
Trusted contacts are people you known about your account, your well-being, contacts for each individual. A co-own FOR OWNER	w and trust who are at least 18 or if we suspect you are the vict oner of the account should not b	im of fraudulent	activity. If this is a j ct. See Section 12	oint account, ple for more inform	ease add respective
First Name of Contact Person	Last Name			Relationship	
Date of Birth (mm/dd/yyyy)	Phone Number		Email Address		
	Thore Number		Lillali Address		
Mailing Address		City		State	Zip Code
<b>Q</b>					_ <b>F</b> 5333
IF JOINT OWNER					
First Name of Contact Person	Last Name		ı	Relationship	
Date of Birth (mm/dd/yyyy)	Phone Number		Email Address		
Mailing Address		City		State	Zip Code



# 11. DESIGNATE YOUR BENEFICIARIES

NOTE: Applicable only to Individual or Joint account types, indicated in section 1.

If there are no surviving contingent beneficiaries at the time of your death, we will transfer ownership of your account to your estate.

When designating beneficiaries, you consent to establishing a Transfer on Death account, and we will transfer ownership of your account to your primary beneficiaries upon your death. Your primary beneficiaries will share equally in your account unless you specify different percentages below. If a primary beneficiary predeceases you, his or her share shall be divided proportionately among the surviving primary beneficiaries. In addition, we will transfer ownership of your account to your contingent beneficiaries only if there are no surviving primary beneficiaries at the time of your death. If a beneficiary should predecease you and you want that beneficiary's share to go to his or her lineal descendants, check "per stirpes." Otherwise, a beneficiary's rights end with the death of that beneficiary, and the estate of a predeceased beneficiary has no claim to or interest in your account. If you do not check "per stirpes" and the beneficiary predeceases you, their share will be divided among surviving beneficiaries (if any).

All percentages must total 100%.

# PRIMARY BENEFICIARY(IES)

I designate the following as my Primary Beneficiary(ies) to receive any amounts due at my death. (Please take note that the Custodian or a joint owner may not be designated as the Beneficiary.) For additional beneficiaries, please attach a separate piece of paper.

Lineal Descendants Per Stirpes	
Yes, add Per Stirpes (For every beneficiary)	
PRIMARY BENEFICIARY 1	
Prefix First Name	MI Last Name
Social Security Number  Date of Birth (mm/dd/yyyy)	Relationship Percent %
Custodian (If the beneficiary is a minor)	Relationship
Address Street or P.O. Box (APO and FPO addresses will be accepted.)	City State Zip Code
Address (If the above address is a P.O. Box, you must also provide a street address	City State Zip Code
Primary Phone Number Phone Number Type  Mobile Home Business	Secondary Phone Number Phone Number Type  Mobile Home Business
Alternate Phone Number Type	Email Address
Mobile Home Business	

(Continued)



# $\textbf{11. DESIGNATE YOUR BENEFICIARIES} \ (\texttt{CONTINUED})$

PRIMARY BENEFICIARY 2

Prefix First Name		MI	Last Name		
Social Security Number	Date of Birth (mm/dd/yyyy)		Relationship		Percent %
Custodian (If the beneficiary is	s a minor)		Relationship		
Address Street or P.O. Box	(APO and FPO addresses will be accepted.)	City		State Z	Zip Code
Address (If the above address	is a P.O. Box, you must also provide a street address.)	City		State Z	Zip Code
Primary Phone Number	Phone Number Type S  Mobile Home Business	Secondary Ph	none Number F	Phone Number Type  Mobile Hom	e Business
Alternate Phone Number	Phone Number Type E  Mobile Home Business	mail Address	6		
	For every beneficiary)	-	=		Beneficiary(ies)
Social Security Number	Date of Birth (mm/dd/yyyy)		Relationship		Percent
					%
Custodian (If the beneficiary is	s a minor)		Relationship		
Address Street or P.O. Box	(APO and FPO addresses will be accepted.)	City		State Z	Zip Code
Address (If the above address	is a P.O. Box, you must also provide a street address.)	City		State Z	Zip Code
Primary Phone Number	Phone Number Type S  Mobile Home Business	Secondary Ph	none Number F	Phone Number Type  Mobile Hom	e Business
Alternate Phone Number	Phone Number Type E  Mobile Home Business	mail Address	8		

(Continued)



Percent (Total 100%)

# **11. DESIGNATE YOUR BENEFICIARIES** (CONTINUED)

#### **CONTINGENT BENEFICIARY 2** Prefix First Name MI Last Name Date of Birth (mm/dd/yyyy) Social Security Number Relationship Percent Custodian (If the beneficiary is a minor) Relationship Address Street or P.O. Box (APO and FPO addresses will be accepted.) City State Zip Code Address (If the above address is a P.O. Box, you must also provide a street address.) City State Zip Code Primary Phone Number Secondary Phone Number Phone Number Type Phone Number Type **Business** Mobile Home Mobile Home **Business** Alternate Phone Number **Email Address** Phone Number Type Mobile Home **Business**

Note: If you reside in a community property state, you may need your spouse's consent to your beneficiary designations. You may wish to seek legal advice.



# 12. SIGNATURES—YOUR SIGNATURE(S) MUST APPEAR TO ESTABLISH THE ACCOUNT

By signing this form, I certify that I have received, read, and agree to the terms of the prospectuses for the Nuveen Funds. I have the full authority and legal capacity to purchase shares of the Nuveen Funds, am of legal age in my state to purchase such shares, and believe each investment is suitable.

I authorize Nuveen Funds and their agents to act for any service authorized on this Account Application on any instructions that they believe to be genuine and that are received from me or any person claiming to act as my representative who can provide my account registration. The Nuveen Funds use reasonable procedures (including Shareholder identity verification) to confirm that instructions given by telephone are genuine and are not liable for acting on these instructions. If these procedures are not followed, the Nuveen Funds may be liable for losses due to unauthorized or fraudulent transactions.

By signing this form, investor(s) acknowledges that neither Nuveen Funds nor any affiliate or service provider to Nuveen Funds has provided the investor(s) with advice, recommendations or suggestions as to any specific investment decisions. Investors in Nuveen Funds are urged to consult their own professional advisors before making investment-related decisions, including but not limited to those related to transfer or rollover from retirement plans, purchase or sale of investments, selection or retention of investment managers or selection of account beneficiaries.

To request assistance with accessing a prospectus, privacy policy, or business continuity policy please contact us at **800-257-8787** or go to www.Nuveen.com.

- I agree that the Nuveen Funds can redeem shares from my account(s) to reimburse a Fund for any loss due to nonpayment or lack of money.
- I understand that for joint owner accounts, "I" refers to all Shareholders, and each of the Shareholders agrees that any Shareholder has authority to act on the account without notice to the other Shareholders. Nuveen Funds, in its sole discretion, and for its protection, may require the written consent of all Shareholders prior to acting upon the instructions of any Shareholder.

Corporations or other entities must submit an original or certified resolution authorizing that the individual signing this form has the legal capacity to sign and act on behalf of the corporation/entity.

Trustee(s) Certification: I am/We are the currently acting Trustee(s) and am/are authorized by the trust agreement to purchase shares of the Nuveen Funds. All services are subject to conditions set forth in the Nuveen Funds Prospectuses.

Note: Trustee(s) must immediately notify Nuveen Funds if the trust becomes a foreign trust.

(Continued)



This paragraph is only applicable if you added a Trusted Contact in Section 10. I hereby authorize Nuveen Funds and its affiliates ("Nuveen Funds") to contact the person(s) I have listed above ("Contact") in the event Nuveen Funds has questions or concerns regarding my ability to handle my financial affairs (due to health-related matters or otherwise), potentially harmful financial transactions in my accounts or my whereabouts. In order to address any such questions or concerns, when speaking to my Contact, Nuveen Funds is authorized to: i. Share with the Contact nonpublic information about me and all of my investments/accounts/products/contracts held at Nuveen Funds and its affiliates now or in the future (or any other financial information I may have provided to Nuveen Funds), regardless of any previous election I have made under federal, state or other law regarding the sharing of such information; ii. Share with the Contact any concerns and details surrounding my potential financial exploitation; iii. Confirm with the Contact the specifics of my current contact information and/or health status; iv. Discuss with the Contact whether any other person has been designated to act on my behalf (through power of attorney, Executor, Trustee or legal guardian or otherwise); and v. Share information obtained from the Contact with its affiliates. I understand this authorization will remain in effect until I notify Nuveen Funds in writing that I am revoking or amending such authority and Nuveen Funds acknowledges the receipt of such revocation and/ or amendment. Except as may be required by FINRA Rule 2165, Nuveen Funds is under no obligation to speak to, write to or otherwise interact with the Contact. Nuveen Funds is not responsible for any action taken by the Contact, and Nuveen Funds will not direct the Contact to take any particular action on my behalf. Nuveen Funds suggests that the named Contact(s) not be someone authorized to transact business on the account, or who is already otherwise able to receive the information described above. By signing, I am affirming that the Trusted Contact(s) listed in this form are at least 18 years old and, to the best of my knowledge, do not work for Nuveen Funds or its affiliates.

If I am a nonresident non-citizen of the United States, I acknowledge that the below tax certifications do not apply to me. I have provided Nuveen with an IRS Form W-8BEN within the last three years or will submit a W-8BEN prior to requesting a distribution from this account. I acknowledge that I must have a W-8BEN on file to request a distribution.

#### Substitute W-9 Request for Taxpayer Identification Number and Certification

Under penalties of perjury, I certify that: (1) The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and (2) I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and (3) I am a U.S. citizen or other U.S. person (as defined in the form W-9 instructions); and (4) the FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Signature (Owner, Custodian, Trustee, Executor, Entity (Authorized signer))	Title or Capacity	Today's Date (mm/dd/yyyy)
		/ 20
Signature (Joint Owner, Co-Trustee, Co-Executor, etc.)	Title or Capacity	Today's Date (mm/dd/yyyy)
		/ _ / 20

# **RETURN COMPLETED FORM(S) TO:**

Please return ALL numbered pages, including any pages you did not need to complete.

STANDARD MAIL: OVERNIGHT:

Nuveen Funds
P.O. Box 219140

Kansas City, MO 64121-9140

OVERNIGHT:

Nuveen Funds
801 Pennsylvania Ave
Suite 219140

Kansas City, MO 64105-1307



Please Sign Here



# LEGAL ENTITY BENEFICIAL OWNERSHIP CERTIFICATION FORM

To get started, simply complete the following sections, and return with the appropriate documentation as listed below. Please send your signed and completed form to Nuveen Funds per the Return Completed Forms section below or in the enclosed customer reply envelope. If you have any questions regarding completion of this form, please contact Nuveen Funds at 800-257-8787.

#### IMPORTANT INFORMATION ABOUT PROCEDURES FOR OPENING A NEW ENTITY ACCOUNT

To help the government fight the funding of terrorism and money laundering activities, federal law requires all financial institutions to obtain, verify and record information about the "beneficial owners" of business applicants. Businesses can be abused to disguise involvement in terrorist financing, money laundering, tax evasion, corruption, fraud, and other financial crimes. Requiring the disclosure of key individuals who own or control a legal entity (i.e., the beneficial owners) helps law enforcement investigate and prosecute these crimes.

What this means for you: This form requires you to provide the name, address, date of birth and Social Security number (or passport number or other similar information, in the case of non-U.S. persons) for the such individuals (i.e., the **beneficial owners**). This information will be verified to ensure the identity of all individuals opening a mutual fund account. Until you provide the information we need, we may not be able to open an account or effect any transactions for you.

#### **DEFINING OWNERSHIP**

- Beneficial owner: Any natural person who, directly or indirectly, owns 25% or more of the legal entity customer.
- Control person: An individual with significant responsibility to control, manage, or direct the legal entity. This includes a member of the organization with control (including chief executive officer, chief financial officer, chief operating officer, managing member, general partner, president, vice president, or treasurer) and a controlling stake in the organization.

This form requires you to provide the information mentioned above for all of the entity's beneficial owners, including individuals in a control role in the organization.

The number of individuals that satisfy this definition of "beneficial owner" may vary. Under Section 3, depending on the factual circumstances, up to four individuals (but as few as zero) may need to be identified. Regardless of the number of individuals identified under Section 3, you must provide the identifying information of one individual under Section 2. It is possible that in some circumstances, the same individual might be identified under both sections (e.g., the president of Acme, Inc., who is a controlling person may also be a beneficial owner by holding 30% equity interest in the company). Thus, a completed form will contain the identifying information of at least one individual under Section 2, and up to four individuals in Section 3.

Please note this form must be completed along with the appropriate Nuveen Funds Account Application or Adoption Agreement.

Please contact Nuveen Funds at 800-257-8787, if you need assistance obtaining one of these forms:

- Nuveen Funds Account Application (F11154)
- Nuveen Funds Account Application (Non-Retail Class Only) (F11488)
- Nuveen Funds Account Application Advisor Funds (F11624)
- Nuveen Funds Traditional and Roth IRAs New Account Form/Adoption Agreement (F11153)

# **RETURN COMPLETED FORM(S) TO:**

Please return ALL numbered pages, including any pages you did not need to complete.

STANDARD MAIL: OVERNIGHT:

Nuveen Funds

P.O. Box 219140

Kansas City, MO 64121-9140

OVERNIGHT:

Nuveen Funds

801 Pennsylvania Ave

Suite 219140

Kansas City, MO 64105-1307





# NUVEEN FUNDS LEGAL ENTITY BENEFICIAL OWNERSHIP CERTIFICATION FORM

Page 1 of 3

1. INDIVIDUAL OPENING THE ACC	COUNT ON BEHALF OF THE LEGA	AL ENTITY (REQUIRED)
A. NAME AND TITLE OF NATURAL PERSON OF	PENING THE ACCOUNT (Must provide signatu	re in box under Certification Section 4)
Prefix First Name	MI Last	Name
Social Security Number/		F.W. B.I.
Taxpayer Identification Number D	ate of Birth (mmddyyyy)	Entity Role
Mailing Address	City	State Zip Code
B. LEGAL ENTITY INFORMATION (for which the	e Account is being opened)	
Name of Entity	, recount to some opened,	
Name of Entry		
Entity's Mailing Address	City	State Zip Code
Please check this box if you are updating	the information in Section 2 or Section 3,	Account Number
and fill in the existing account number.		
2. CONTROL PERSON (REQUIRED)	1	
An individual must be named here.	'	
Name of Control Person (First, MI, Last)	Date of Birth (mm/dd/yyyy)	Social Security Number
Traine of control reson (rise, iii, East)	/ / / / / / / / / / / / / / / / / / / /	
Residential Address	City	State Zip Code
Citizenship For foreign owners, one of the following m	ust be provided: Alien ID or passport number with coun	try of issuance along with a photocopy of the ID.
U.S. Resident Non-U.S. Citizen	Nonresident Non-U.S. Citizen	(Specify country)
Non-U.S. Citizen ID or Passport Number		
Non 3.3. Glazen iz or i assport Number		



# Page 2 of 3 3. BENEFICIAL OWNER INFORMATION (REQUIRED) Any individual who, directly or indirectly, owns 25% or more of the equity interest of the legal entity named above. (If no individual meets this definition, please write "Not Applicable.") A. Name (First, MI, Last) Date of Birth (mm/dd/yyyy) Social Security Number Residential Address City State Zip Code Citizenship For foreign owners, one of the following must be provided: Non-U.S. Citizen ID or passport number with country of issuance along with photocopy of ID. U.S. Nonresident Non-U.S. Citizen Resident Non-U.S. Citizen (Specify country) Non-U.S. Citizen ID or Passport Number B. Name (First, MI, Last) Date of Birth (mm/dd/yyyy) Social Security Number Residential Address City State Zip Code Citizenship For foreign owners, one of the following must be provided: Non-U.S. Citizen ID or passport number with country of issuance along with photocopy of ID. U.S. Resident Non-U.S. Citizen Nonresident Non-U.S. Citizen (Specify country) Non-U.S. Citizen ID or Passport Number Date of Birth (mm/dd/yyyy) C. Name (First, MI, Last) Social Security Number Residential Address City Zip Code State Citizenship For foreign owners, one of the following must be provided: Non-U.S. Citizen ID or passport number with country of issuance along with photocopy of ID. U.S. Resident Non-U.S. Citizen Nonresident Non-U.S. Citizen (Specify country) Non-U.S. Citizen ID or Passport Number D. Name (First, MI, Last) Date of Birth (mm/dd/yyyy) Social Security Number Residential Address City State Zip Code Citizenship For foreign owners, one of the following must be provided: Non-U.S. Citizen ID or passport number with country of issuance along with photocopy of ID.

Nonresident Non-U.S. Citizen



(Specify country)

U.S.

Resident Non-U.S. Citizen

Non-U.S. Citizen ID or Passport Number

4	. CERTIFICATION (REQUIRED)	
I		hereby certify, as the natural person opening the account, to the best of my
k	nowledge, that the information provided above is complete	and correct. Further, I agree to notify Nuveen Funds immediately in writing of

By signing this form, investor(s) acknowledges that neither Nuveen Funds nor any affiliate or service provider to Nuveen Funds has provided the investor(s) with advice, recommendations or suggestions as to any specific investment decisions. Investors in Nuveen Funds are urged to consult their own advisors before making investment-related decisions, including but not limited to, those related to transfer or rollover from retirement plans, purchase or sale of investments, selection or retention of investment managers, or selection of account beneficiaries.

Under penalties of perjury, I certify that: (1) The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and (2) I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and (3) I am a U.S. citizen or other U.S. person; and (4) the FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

DDIMADV	AUTHORIZED	INIDIMIDITAL
PRIIVIART	AUTHURIZED	INIJIVIIJUAI

Your Signature	Today's Date (mm/dd/yyyy)
	/ 20

# **CHECKLIST**

Remember to:

Complete Section 1 with individual and entity information.

any changes in the beneficial ownership interest of the above referenced organization.

- Complete Section 2 with controlling party information.
- Complete Section 3 with beneficial owner information.
- Complete the certification in Section 4.
- Complete the appropriate new Account Application and Adoption Agreement and mail in with this form.
- Include any supporting documentation required.
- Make a copy of this form for your records.
- Please contact Nuveen Funds with any questions at 800-257-8787.

