New Account Agreement Instructions

For your account to be opened promptly and accurately, please provide the information requested on the form as outlined in the Instructions below.

Account Registration (check one)

Additional documentation may be required to open certain account types. Use the supplemental form to identify all participants and their respective roles in the account. Contact your investment professional for more information.

Institutional/Non-Institutional Account and USA Patriot Act Information

These sections MUST be completed in order to establish the account.

Account Holder Information and Secondary Account Holder Information

The legal address MUST be a street address. A post office box is not acceptable for a legal address. A legal address is the account holder's permanent residence address or, in the case of an entity, the place where it maintains a physical presence. For those accounts opened for nonresident aliens and foreign entities, the legal address must be the same as the permanent residence address listed on IRS Form W-8BEN, W-8BENE or W-8IMY. You must provide annual income and net worth in the same manner. For instance, if the account is a joint account, and you are providing a combined annual income, you must also provide a combined net worth.

NOTE: To help the government fight the funding of terrorism and money laundering activities, federal law requires all financial organizations to obtain, verify, and record information that identifies each person who opens an account. When you open an account, we will ask for your name, address, date of birth, and other information that will allow us to identify you. We may also ask you to provide a copy of your driver's license or other identifying documents. The information you provide in this form may be used to perform a credit check and verify your identity by using internal sources and third-party vendors. If additional space is needed, attach a separate sheet.

Trusted Contact

Use this section to provide information for a Trusted Contact who may be contacted about the account on behalf of the account holder.

FinCEN Certification

U.S. Treasury Department Financial Crimes Enforcement Network (FinCEN) require financial institutions to collect customer due diligence information to comply with anti-money laundering regulations.

Interested Parties

If you would like to add an interested party to your account, provide the interested party's contact information in this section. Indicate if you would like the interested party to receive copies of your statements, confirmations, and proxies.

Cash Management

Check the appropriate box to tell us how your proceeds should be handled. If you elect to sweep proceeds, enter the product name or acronym to designate your sweep instruction.

User ID and E-Delivery Preferences

Use this section to create a User ID and temporary password for online access, and to provide instructions to establish electronic delivery (edelivery) of certain brokerage account communications.

Objective and Investment Details

Use this section to provide details about your account objectives and investments. Account investment objectives are defined as follows:

Income - An investment approach by which an investor generally seeks current income over time.

Long-Term Growth - An investment approach by which an investor generally seeks capital appreciation through buying and holding securities over an extended period of time.

Short-Term Growth - An investment approach by which an investor generally seeks short-term capital gains through buying and selling securities over a short period of time.

Tax Lot Disposition Methods

First In, First Out (the tax lot(s) with the earliest trade date(s) will be disposed, sold, transferred or exchanged first based on the order of their acquisition).

Last In, First Out (the tax lot(s) with the latest trade date(s) will be disposed, sold, transferred or exchanged first based on the order of their acquisition)

Average Cost Using First In, First Out (this option is available ONLY for mutual fund shares and covered stocks in Pershing's dividend reinvestment plans, and it reflects the average cost per share, considering all tax lots of a security, even those no longer held by the investor. Upon disposition of mutual fund shares, the average cost per share is used to calculate gain or loss and although the calculation of gain or loss is based on an average cost, the tax lots are disposed of on a FIFO basis).

High Cost (the tax lot(s) with the highest unit cost are disposed of first, whether the tax lot(s) are short-term or long-term for capital gain tax purposes).

High Cost Long-Term (the tax lot(s) that have the highest unit cost, and produce a long-term capital gain or loss, are disposed of first—If no long-term shares are identified, or if an inadequate number of long-term shares are identified, then the short-term shares with the highest unit cost will be disposed of).

High Cost Short-Term (the tax lot(s) that have the highest unit cost, and produce a short-term capital gain or loss, are disposed of first—If no short-term shares are identified, or if an inadequate number of short-term shares are identified, then the long-term shares with the highest unit cost will be disposed of).

Low Cost (the tax lots with the lowest unit cost are disposed of first, whether the tax lots are short-term or long-term for capital gain tax purposes).

Low Cost Long-Term (the tax lots with the lowest unit cost, and produce a long-term gain or loss, are disposed of first—If no long-term shares are identified, or if an inadequate number of long-term shares are identified, then the short-term shares with the lowest unit cost will be disposed of).

Low Cost Short-Term (the tax lot(s) with the lowest unit cost, and produce a short-term capital gain or loss, are disposed of first—If no short-term shares are identified, or if an inadequate number of short-term shares are identified, then the long-term shares with the lowest unit cost will be disposed of)

Minimize Short Term Gains (take losses first and gains last. The tax lots are disposed in the following order: Short term lots sold at a loss, from highest cost to lowest cost; long term lots sold at a loss, from highest cost to lowest cost; short term lots sold at no gain or loss; long term lots sold at no gain or loss; long term lots sold at no gain, from highest to lowest cost; short term lots sold at a gain, from highest cost to lowest cost).

Please consult a tax advisor before selecting a tax lot disposition method. Pershing LLC may not provide tax advice, and accordingly, you are solely responsible for the tax effect of any selected method (or your use of your introducing brokerage firm's default method), and change from or to a new method, for federal, state, local and foreign tax purposes. Please contact your introducing brokerage firm to change a selection. Pershing LLC reserves the right to introduce new tax lot disposition methods at any time or to make any change in the offered tax lot disposition methods that is required by applicable law or regulations, without prior notice.

Pershing's application of the tax lot disposition methods to all account trades and transactions shall control in all instances.

NOTE: Data provided by outside vendors may not be the actual data that is reported to the IRS, Pershing LLC will be reporting the data that is Maintained at Pershing LLC.

Bond Elections

Bonds contain provisions that allow investors to elect to amortize the premium or accrete the discount when calculating and reporting cost basis for federal income tax purposes.

Additional Information

Use this section to provide additional information about your account.

Standing/Periodic Instructions

Check the appropriate boxes to tell us how your income and periodic principal distributions should be handled.

U.S. Taxpayer Number Certification

U.S. persons must sign the U.S. taxpayer certification built into the New Account Form. If the account is a JOINT account, you must provide the

Social Security Number or the Taxpayer Identification Number of the individual whose name appears first. For custodial accounts, use the Social Security Number of the minor. If you are a nonresident alien or foreign entity, you should not sign the taxpayer certification included in this form, and instead submit an IRS Form W-8BEN, W-8IMY or other appropriate W8 series forms with this application. Nonresident alien joint accounts require IRS Form W-8BEN for each account holder. The account holder's country of permanent residence is the country where the account holder claims to be a resident for purposes of that country's income tax. If a reduced rate of withholding is being claimed under an income tax treaty, residency must be determined in the manner required by the treaty. If the account holder does not have a tax residence in any country, the permanent residence is where the account holder normally resides (or maintains an office for accounts not owned by individuals). The primary account owner whose Social Security Number or Taxpayer Identification Number is used should sign the Taxpayer Certification section.

Signatures

Sign and date the form. The primary and secondary owners of a joint account must sign the form on the Signatures section. Additional owners must sign the additional participant form. For a custodial account, only the custodian needs to sign.

Participant Information Supplement

Use one of the codes below to designate the participant role for the additional participant on an account.

ADMN-Administrator GPMM-General Partner/Managing Member PREP-Personal Representative AGNT-Agent **GRNT-Grantor** PLAD-Plan Administrator **BENF-Beneficiary** GRDN-Guardian PATN-Power of Attorney **BEOW-Beneficial Owner IPTY-Interested Party** PRM-Primary Account Holder **BORW-Borrower** IMGR-Investment Manager RIND-Responsible Individual CONS-Conservator LHLD-Lien Holder SEC-Secondary Account Holder **CPER-Controlling Person** LPAR-Limited Partner STLR-Settlor CUST-Custodian MNGR-Manager SHLR-Shareholder **DECD-Deceased** MMBR-Member SPSR-Sponsor SUSO-Substantial Owner **DPTR-Depositor** MINR-Minor **DRTR-Director** OFCR-Officer **TCON-Trusted Contact EXEC-Executor** PTNR-Partner TSTE-Trustee

For Broker-Dealer Use Only

Provide investment professional and principal approvals.

Account Category Codes (for office use only)

BKCL-Bank Collateral Account BOLI-Bank Owned Life Insurance BTRS-Bank Owned Life Insurance Trust CLUB-Investment Club COD-Receive/Deliver Versus Payment COLI-Corporate Owned Life Insurance CONS-Conservatorship CORN-Noncorporate Account CORP-Corporation CPPS-Corporate Pension or Profit Sharing Plan CTRS-Corporate Owned Life Insurance Trust CUST-Custodian DLJC-Pershing LLC SIMPLE Individual Retirement Account (IRA) DLJI-Pershing LLC IRA DLJP-Pershing LLC SARSEP and Prototype SEP DLJQ-Pershing LLC Qualified Retirement Plan

(ORP) DLJS-Pershing LLC SEP IRA ESTT-Estate **EXMP-Exempt Organization** FINL-Financial Organization

GRDN-Guardian

IACP-Investment Advisor/Corporation

GOVT-Government Entity/Agency

IAES-Investment Advisor/Estate IAGU-Investment Advisor/Guardian IAGV-Investment Advisor/ Government Agency IAIN-Investment Advisor/Individual IAJT-Investment Advisor/Joint IANP-Investment Advisor/Nonprofit Organization IAPA-Investment Advisor/Partnership

IACU-Investment Advisor/Custodian

Sharing IAPW-Investment Advisor/Power of Attorney IART-Investment Advisor/Retirement Account IASP-Investment Advisor/Sole Proprietor IATI-Investment Advisor/Transfer on Death

Individual

IATJ-Investment Advisor/Transfer on Death Joint IATR-Investment Advisor/Trust INDV-Individual INVA-Investment Advisor/Managed Account

JNTN-Joint

LLCP-Limited Liability Corporation LPAR-Limited Partnership NPLC-Nonpurpose Loan Corporate NPLI-Nonpurpose Loan Individual NPLJ-Nonpurpose Loan Joint NPLP-Nonpurpose Loan Partnership

NPLT-Nonpurpose Loan Trust NPRO-Nonprofit Organization N401-Prototype Individual 401(k)

N457-Nonqualified Deferred Compensation Plan N529-State Sponsored Higher Education Plan

PART-Partnership PRME-Prime Broker PWRA-Power of Attorney

IAPP-Investment Advisor/Corporate Pension/ Profit RETC-Third Party as Custodian SIMPLE IRA RETE-Third Party as Custodian ERISA Account RETG-Third Party as Custodian IRA Guardian RETH-Third Party as Custodian 403(b)(7) RETI-Third Party as Custodian IRA

> RETN-Third Party as Custodian Roth IRA Guardian RETP-Third Party as Custodian Prototype SEP RETO-Third Party as Custodian ORP

RETR-Third Party as Custodian Roth IRA RETS-Third Party as Custodian SARSEP and SEP **RETV-Third Party as Custodian Education Savings**

SOLE-Sole Proprietorship TODI-Transfer on Death Individual

TODJ-Transfer on Death Joint

TRST-Trust

New Account Agreement

OFFICE USE ONLY Acc	count Number	IP Number			
STEP 1. ACCOUNT REGISTRATION					
Additional documentation	on may be required to open these account	types. Contact your invest	ment professional for more information.		
Retirement	Retail (Select a type of retail account belo	ow)			
TYPE OF ACCOUNT	ADDITIONAL DESIGNATION	Section)			
Individual		TYPE OF ACCOUNT	ADDITIONAL DESIGNATION		
Corporation	C Corp	Trust	Establishment Date: Trust Type:		
Corporate Pension/Profit Sharing	Plan Name: Trustees:		Charitable Revocable Living Irrevocable Irrevocable Testamentary		
	Beneficiaries:		Family Trustees:		
Custodial	UGMA (Uniform Gift to Minors Act) UTMA (Uniform Transfer to Minors Act) Complete Custodial Accounts Section.		Beneficiaries:		
Estate	Person or Entity Appointed to Act on Behalf of the Account:	1	Can the trustee act independently? Yes No		
	Administrator	529 Plan			
	Personal Representative	Bank Collateral			
	Special Administrator	Conservatorship			
	Temporary Administrator	Coverdell Education			
	Executor	Savings Account			
	Executrix Number Appointed to Account:	Exempt Organization			
Joint Tenant	Complete Joint Accounts Sections.	Financial Organization			
Limited Liability Company	C Corp	Government Entity/ Agency			
	Partnership	Guardianship			
	Disregarded Entity* (name of owner):	Investment Club			
Power of Attorney	Power of Attorney Agent's Name:	IRA or Retirement Third Party Custodian			
- Site of According		Noncorporate			
Individual Single Member LLC		Nonprofit Organization			
Sole Propietorship		Nonpurpose Loan			
Transfer on Death:	A supposed For subting Det	Partnership			
Individual	Agreement Execution Date:	Other	Please Specify:		
Joint (Complete Joint Accounts					
*If the owner is a U.S. person, co W-8 must be provided form the		ion using the owner's information.	If the owner is a non-US person, the appropriate IRS form		
For Joint Accounts Only Are the account holders married	d to each other? Number of Tenants		Tonancy State		
Yes No	a to each other?		Tenancy State		
Tenancy Clause					
Community Property	y Community Property with Ri	ights of Survivorship	Tenants in Common		
Tenants by Entirety Joint Tenants with Rights of Survivorship		Usufruct (LA Residents only)			

Account Number

State in Which Gift was Given	Date Gift Was Given	Age Designated to Terminate	Minor's Date of Birth
Manner in Which Gift was Given		Transfer by fiducien, en ab	oligor Will
Created by gift Trust	Exercise by appointment	Transfer by fiduciary or ob	oligor VVIII
Account Description For Stateme	nts		
STEP 2. INSTITUTIONAL/NON	-INSTITUTIONAL ACCOUNT		
Institutional Assessmt on Defined	in the FINDA Dule		
Institutional Account, as Defined			
	ociation, insurance company or regis	• •	on 203 of the Investment Advisers
	curities commission (or any agency		
	ral person, corporation, partnership,		
None of the Above			
Institutional Account Suitability (
	d in the previous section, this sectio	n is not required	
Waived for all recommenda	tions		
Accepted for all recommend			
Waived exclusively for the r Please select those which ar	ecommendations involving the follo	owing asset classes:	
Equities Options	Fixed Income Mutual F	unds Unit Investment Trusts	
Exchange Traded Funds		ulius	
Determined at the time of ea	ach recommendation		
For Broker-Dealer Use Only			
if the selection above represents a full or pa	artial waiver of the servicing broker/dealer's su		
account is capable of exercising independen	nt judgment with respect to security and inves	stment strategy decisions made in connection	n with the waiver.
STEP 3. USA PATRIOT ACT INI	FORMATION		
	ds for this account? If you are tran	sferring assets from another finan	cial institution, please indicate the
origin of those investments.			
Accounts Receivable	☐ Accumulated Savings	Alimony	☐ Gift
☐ Income From Earnings	Inheritance	Insurance Proceeds	Investment Proceeds
Legal Settlement	Lottery/Gaming	Pension/IRA/Retirement Savi	ngs
Rollover	Rental Income	Sale of Business	Sales of Real Estate
Spouse/Parent	Other		

Disclosures Required Under the USA PATRIOT ACT

Special note for non-U.S. Accounts: with respect to assets custodied by Pershing on your behalf, you acknowledge that income and capital gains or distributions to you from this account may be taxable in your home jurisdiction and/or your jurisdiction of tax residence if different from your home jurisdiction. You acknowledge to your financial organization and to Pershing that you have taken your own tax advice in this regard.

Is this account for a Foreign Financial Institution of a U.S. bank; broker-dealer; futures merchantual fund; money transmitter or currency		Yes	□ No		
2) Is this account a private banking account as				Yes	No
3) Is this an account for a Foreign Bank as defi	ned under the USA PAT	TRIOT Act?		Yes	☐ No
a) If yes, is the bank a Central Bank?				Yes	No
b) If yes, is this a Foreign Bank operating	under an Offshore Bank	ting License?		Yes	No
c) If yes, is this a Foreign Bank operating to Country or Territory?				Yes	No
d) If yes, is this a Foreign Bank operating subject to Section 311 measures?	under a banking license	issued by a jurisdiction		Yes	No
If the answer to questions b, c, or d above is yes, how many	people or entities own 10% or	r more of the Bank (if its share	s are not publicly traded?)*		
 *If number is greater than zero, a Foreign Bank Beneficial Ov	vnership form must accompar	ny this request.			
4) Are you, or anyone with an interest in this a military, governmental, or political official, o member of such an official?				Yes	No
If yes, identify the name of the official, office held and count	try				
STEP 4. PRIMARY ACCOUNT HOLDER INF	ORMATION				
If disregarded entity, enter information for the A copy of the ID is required for each non-U.S. p		ens living abroad, Proof	of address may also be re	equired.	
Name		0.10 11111,8 40.10441.1 100.1	o. ada. 655a, a.55 55	<u> </u>	
Social Security (SSN)/ Employee Identification #(EIN) Person Entity Date of Birth				Specified Adult	t* No
Email					
Home Phone	Business Phone		Mobile Phone		
Primary Citizenship(s)		Additional Citizenship(s)			
U.S. Resident Alien Country of Birth Yes No					
Legal Address (no P.O box)					
City	State/Province Zip/Postal Code		Zip/Postal Code		
Country					
Mailing Address (if different from legal address)					
City	State/Province		Zip/Postal code		
Country	l		I		

[&]quot;"Specified Adult" shall mean: (a) a natural person age 65 and older; or (b) a natural person age 18 and older who the member reasonably believes has a mental or physical impairment that renders the individual unable to protect his or her own interests. If you wish to add a trusted contact, please complete the trusted contact form.

Gender	Marital Statu	<u> </u>	_		_
Male Female	Single	Married [Divorced Do	mestic Partner	Widowed
Number of Dependents			Education Level		
Employment Status and Ind	ustrv Affiliations				
Employed Self-Em			ployed H	omemaker	Student
Occupation			Years Employed		Type of Business
Employer Name					
Employer's Address					
City			State/Province		Zip/Postal Code
Country					
General Investment Knowle	dge and Experier	ice			
Limited Moderate	Extensive	None			
Knowledge and Experience	hy Investment Ty	ne			
INVESTMENT	INVESTMENT KNO	•			INVESTMENT EXPERIENCE
Annuities Fixed	Limited	Moderate	Extensive	None	Since Year:
Annuities Variable	Limited	Moderate	Extensive	None	Since Year:
Commodities and Futures	Limited	Moderate	Extensive	None	Since Year:
Equities	Limited	Moderate	Extensive	None	Since Year:
Exchange Traded Funds	Limited	Moderate	Extensive	None	Since Year:
Fixed Income	Limited	Moderate	Extensive	None	Since Year:
Insurance	Limited	Moderate	Extensive	None	Since Year:
Mutual Funds	Limited	Moderate	Extensive	None	Since Year:
Options	Limited	Moderate	Extensive	None	Since Year:
Other	Limited	Moderate	Extensive	None	Since Year:
Precious Metals	Limited	Moderate	Extensive	None	Since Year:
Real Estate	Limited	Moderate	Extensive	None	Since Year:
Unit Investment Trusts	Limited	Moderate	Extensive	None	Since Year:
Financial Information					
Identify Verification Method			Internal Day	iou (INIDV)	
Compliance Data Center Ir			Internal Rev		
Regulatory Data Corporation	on (RDCR)			endor (OTHR)	
Annual Income: From \$			To \$		
Net Worth (excluding home): From \$			To\$		
Liquid Net Worth: From \$			To\$		
Check box if aggregated wi		ts.			
Tax Bracket: 0-15%	15 1%-32%	32 1%-50%	50.1%+		

Unexpired Government Identification

Government issued unexpired photo identification should be provided for all individuals that were not verified using non-documentary methods, and for non-resident aliens, along with an IRS form W-8BEN.

	GOVERNMEN'	T PHOTO ID #1			
Type of Unexpired Photo ID	ID Number		Country of Issue		
State/Providence/Subdivision of ID	Date of Issue		Date of Expiration		
	GOVERNMEN ⁻	T PHOTO ID #2			
Type of Unexpired Photo ID	ID Number		Country of Issue		
State/Providence/Subdivision of ID	Date of Issue		Date of Expiration		
ID Verification Comments					
Corporate/Business Information					
Corporate/Business ID Number	Formation Date of Corporati	on/Business	State/Province of Incorporation		
Country of Incorporation		Legal Entity Identifier (LEI)			
Broker-Dealer Affiliations					
Are you an employee of this broker-dealer Are you related to an employee at this bro				☐ Yes	∐ No □ No
Name Relationship					
Are you an employee of another broker-de	ealer?			Yes	No
Broker-Dealer Name					
Is a member of your immediate family affil	iated with or employed by a	another broker-dealer?		Yes	No
Broker-Dealer Name	Employee Name		Relationship		
Are you maintaining any other brokerage a	accounts?			Yes	No
Brokerage Name	Years of Investment Experience				
Are you a member/employee or related to	a member/employee of a	national securities asso	ociation (i.e. NYSE or FINRA)?	? Yes	No
If yes, please list the affiliation here.					
Are you, or an immediate family member, publicly traded company?	a director, 10% shareholdei	r, policy-making officer	or controlling person of a	Yes	□No
If yes, please provide company(ies)					

STEP 5. ADDITIONAL HOLDER/PARTICIPANT INFORMATION

If disregarded entity, enter information for the U.S. owner. A copy of the ID is required for each non-U.S. person and for U.S. citizens living abroad. Proof of address may also be required. Holder/Participant Role Social Security (SSN)/ Employee Identification #(EIN) Date of Rirth Specified Adult* Person __ Entity Yes No Email Primary Citizenship(s) Additional Citizenship(s) U.S. Resident Alien Country of Birth Yes No Home Phone **Business Phone** Mobile Phone Legal Address (no P.O box) City State/Province Zip/Postal code Country Mailing Address (if different from legal address) City State/Province Zip/Postal code Country ""Specified adult" shall mean: (a) a natural person age 65 and older; or (b) a natural person age 18 and older who the member reasonably believes has a mental or physical impairment that renders the individual unable to protect his or her own interests. If you wish to add a trusted contact, please complete the trusted contact form. Gender **Marital Status** Single Married Divorced Domestic Partner Male Female Widowed Number of Dependents Education Level Beneficial Owner Percent of Ownership Controlling Person Position Held **Employment Status and Industry Affiliations** _ Employed Self-Employed Retired Unemployed Homemaker Student Occupation Years Employed Type of Business Employer Name Employer's Address City State/Province Zip/Postal Code Country **General Investment Knowledge and Experience** Limited Moderate Extensive None

INVESTMENT	INVESTMENT KNO	•			INVESTMENT EXPERIENCE
Annuities Fixed	Limited	Moderate	Extensive	None	Since Year:
Annuities Variable	Limited	Moderate	Extensive	None	Since Year:
Commodities and Futures	Limited	Moderate	Extensive	None	Since Year:
Equities	Limited	Moderate	Extensive	None	Since Year:
Exchange Traded Funds	Limited	Moderate	Extensive	None	Since Year:
Fixed Income	Limited	Moderate	Extensive	None	Since Year:
Insurance	Limited	Moderate	Extensive	None	Since Year:
Mutual Funds	Limited	Moderate	Extensive	None	Since Year:
Options	Limited	Moderate	Extensive	None	Since Year:
Other:	Limited	Moderate	Extensive	None	Since Year:
Precious Metals	Limited	Moderate	Extensive	None	Since Year:
Real Estate	Limited	Moderate	Extensive	None	Since Year:
Unit Investment Trusts	Limited	Moderate	Extensive	None	Since Year:
Compliance Data Center Inc. Report (CDCR) Regulatory Data Corporation (RDCR) Other ID Vendor (OTHR) Annual Income: From \$ Net Worth (excluding home): From \$ Liquid Net Worth: From \$ To \$ Liquid Net Worth: From \$ To \$ Unexpired Government Identification Government issued unexpired photo identification should be provided for all individuals that were not verified using non-documentary methods, and for non-resident aliens, along with an IRS form W-8BEN.					
	l.=	GOVERNMENT	FPHOTO ID #1	1	
Type of Unexpired Photo ID	ID N	umber		Country of Iss	ue
State/Providence/Subdivision of ID	Date	of Issue		Date of Expira	tion
		COVERNMENT	PHOTO ID #3		
Type of Unexpired Photo ID	ID N	GOVERNMENT umber	PHOTO ID #2	Country of Iss	ue
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
State/Providence/Subdivision of ID	Date	of Issue		Date of Expira	tion
ID Verification Comments					
Corporate/Business Information					
Corporate/Business ID Number	For	mation Date of Corporation	on/Business	State/Provin	ce of Incorporation
Country of Incorporation			Legal Entity Identifier (L	EI)	

Broker-Dealer Affiliations					
Are you an employee of this broker-dealer?				Yes	No
Are you related to an employee at this broker-dealer?					No
Name	Name Relationship				
Are you an employee of another broker-dealer?)	I		Yes	No
Broker-Dealer Name					
Is a member of your immediate family affiliated	with or employed by	another broker-dealer?		Yes	No
Broker-Dealer Name	Employee Name		Relationship		
Are you maintaining any other brokerage accou	ınts?			Yes	No
Brokerage Name		Years of Investment Experience	ce		
Are you a member/employee or related to a me	ember/employee of a	national securities assoc	ciation (i.e. NYSE or FINRA)	? Yes	No
If yes, please list the affiliation here.					
Are you, or an immediate family member, a dire a publicly traded company.	ector, 10% shareholde	r, policy-making officer o	or controlling person of	Yes	No
If yes, please provide company(ies)					
Additional Holder/Participant Information Support STEP 6. FINCEN CERTIFICATION	olement sheet.				
FinCEN Certification Form Signed by		Certification Date			
Position Held by FinCEN Certifier					
STEP 7. TRUSTED CONTACT					
Please add a separate sheet for additional trusto	ed contacts.				
Name Date of Birth			Date of Birth		
Email					
Home Phone Business Phone		Mobile Phone			
Mailing Address			'		
City	State/Province		Zip/Postal Code		
Country	ı		1		

Account Number

Name		Date of Birth			
Email					
Home Phone	Business Phone	Mobile Phone			
Mailing Address					
City	State/Province	Zip/Postal Code			
Country					
STEP 8. INTERESTED PARTIES					
Please add a separate sheet for additional intere	ested parties.				
Name		ate of Birth			
Email					
Home Phone E	Business Phone M	obile Phone			
Mailing Address					
City	tate/Province Zi	p/Postal Code			
Country					
Type of Notification: Statement	Confirmation Proxy				
Name	Da	ate of Birth			
Email					
Home Phone E	Business Phone M	obile Phone			
Mailing Address					
City	itate/Province Zi	p/Postal Code			
Country					
Type of Notification: Statement	Confirmation Proxy				

STEP9. CASH MANAGEMENT

The sweep program consists of sweep options, which may include money market mutual funds as well as bank deposit products. The options available to you are subject to change and you should contact your investment professional for additional information on the products available to you through your sweep program.

Once a sweep option is elected, any free credit balance in your brokerage account will be automatically invested into the sweep product selected and any debits in your brokerage account will also be covered automatically by redemptions, to the extent you have a balance in the sweep product sufficient to cover the debit balance.

How would you like to handle proceeds?	
Remit Hold	
If you opt to hold proceeds and wish to utilize the sweep feature, p	please enter your sweep option below.
For Money Market Fund, FDIC Insured Deposit or bank sweep.	
Product Name or Acronym of Your Sweep Option	
STEP 10. ON-LINE USER ID AND ELECTRONIC DELIVERY OF AC	CCOUNT COMMUNICATIONS
unless you access your account on-line and update your preference	o you electronically. However, tax documents will be delivered via paper ce to electronic delivery. You will be notified by e-mail when documents L for the website will be provided to you via email once your ID has been
To link this account to your existing ID, please provide the ID here	
Electronic delivery is subject to the Terms and Conditions that appl of notification emails. For online access, please provide this required information:	ly to this Agreement. A valid email address must be provided for delivery
Mothers Maiden Name (last name)	Date of Birth (required to establish a User ID)
Email Address	
Additional information about Electronic Delivery can be found in the If you are requesting a new User ID, indicate your first and second c characters.	e Electronic Delivery Terms that accompany this Agreement. choices below. User IDs must have a minimum of 7 and maximum of 15
User ID Desired (first choice)	User ID Desired (second choice)
	nications will default to paper delivery. In addition, if you establish a User via paper, please login on-line upon receipt of your User ID and change via paper may be subject to a fee.
Investment Time Horizon and Liquidity Needs	
Risk Exposure	Account Investment Objectives
Low Moderate Speculation High Risk	Income Long-Term Growth Short-Term Growth
Time Horizon	Liquidity Needs High Medium Low

Other I	nvestments
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INVESTMENT	INVESTMENT VALUE	INVESTMENT	INVESTMENT VALUE
Equities	Value \$	Fixed Annuites	Value \$
Options	Value \$	Precious Metals	Value \$
Fixed Income	Value \$	Commodities and Futures	Value \$
Mutual Funds	Value \$	Other:	Value \$
Unit Investment Trusts	Value \$	Other:	Value \$
Exchange-Traded Funds	Value \$	Other:	Value \$
Real Estate	Value \$	Other:	Value \$
Insurance	Value \$	Other:	Value \$
Variable Annuities	Value \$	Other:	Value \$

STEP12. TAX LOT DISPOSITION METHODS

Please choose one disposition method as your default for a) Mutual Funds, b) Stocks in Pershing's Dividend Reinvestment Plans and c) All other securities. If a default disposition method is not chosen by you or your Financial Organization, the federally mandated default method will be applied on the account.

DISPOSITION METHODS FOR MUTUAL FUNDS	DISPOSITION METHODS FOR STOCKS IN PERSHING'S DIVIDEND REINVESTMENT PLAN	DISPOSITION METHODS FOR ALL OTHER SECURITIES
Average Cost (using FIFO)	Average Cost (using FIFO)	First In, First Out (FIFO)
First In, First Out (FIFO)	First In, First Out (FIFO)	High Cost
High Cost	High Cost	High Cost Long-Term
High Cost Long-Term	High Cost Long-Term	High Cost Short-Term
High Cost Short-Term	High Cost Short-Term	Last In, First Out (LIFO)
Last In, First Out (LIFO)	Last In, First Out (LIFO)	Low Cost
Low Cost	Low Cost	Low Cost Long-Term
Low Cost Long-Term	Low Cost Long-Term	Low Cost Short-Term
Low Cost Short-Term	Low Cost Short-Term	Minimize Short-Term Gains
Minimize Short-Term Gains	Minimize Short-Term Gains	

STEP 13. BOND ELECTIONS		
If you do not choose bond elections, the noted IRS defaults will be selected.		
Election 1 - Bond Premium Amortization (tax free bonds must be amortized)		
Yes/IRS Default: Amortize.		
No/Alternative: Do not amortize.		
Election 2 - Market Discount Accrual Method		
Ratable/Alternative		
Constant Yield/IRS Default		
Election 3 - Include Market Discount as Income		
No/IRS Default: Don't include market discount as income.		
Yes/Alternative: Include market discount in income.		
STEP14. ADDITIONAL INFORMATION		
Municipal Bond Offering Official Statements		
Municipal bond offering official statements are available electronically at: http://www.emma.msrb.org/		
Are you interested in hard copy delivery of Municipal Bond Official Statements for this account?	Yes	☐ No

This space intentionally left blank.

STEP15. STANDING/PERIODIC INSTRUCTIONS					
How would you like to handle Interest and Dividends? Remit Credit					
Income Distribution Method First-Party Check Third-Party Check (provide name and address below and a completed letter of authorization) ACH (requires a completed ACH authorization form) Journal (requires a completed letter of authorization) Account for Journal					
Frequency Annually Semiannually Quarterly Bimonthly Monthly Semimonthly First Payment Date					
Information for Third-Party Check (if applicable)					
Name	Name		Email		
Home Phone	Business Phone	Mobile Phone			
Mailing Address					
City		State/Province	Zip/Postal Code		
Country					
Type of Notification: Statement Proxy Confirmation					
Principal Distribution Method First-Party Check Third-Party Check (provide name and address below and a completed letter of authorization) ACH (requires a completed ACH authorization form) Journal (requires a completed letter of authorization) Account for Journal					
Frequency Annually Semiannually Quarterly Bimonthly Monthly Semimonthly First Payment Date					
Information for Third-Party Check (if applicable)					
Name		Email			
Home Phone	Business Phone	Mobile Phone			
Mailing Address					
City		State/Province	Zip/Postal Code		
Country					
Type of Notification: Statement Proxy Confirmation					

STEP 16. U.S. TAXPAYER NUMBER CERTIFICATION

This section is not to be used by non-U.S. person (see definition of U.S. person below).

Taxpayer Certification

Under penalties of perjury, I certify that:

- 1. The number shown for the Primary Account Holder on this form is my correct Social Security Number or Taxpayer Identification Number (or I am waiting for a number to be issued to me);
- 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 (defined below); and
- 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions.

You must cross out Item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. If you are an exempt payee (if you are unsure, ask us for a complete set of IRS instructions), enter your exempt payee code (if any) here:

If you are exempt from FATCA reporting (if you are unsure, ask us for a complete set of IRS instructions), enter your exemption from FATCA reporting code (if any) here:

Definition of a U.S. person.

For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7)

STEP17. SIGNATURES

The Internal Revenue Service does not require your consent to any provision of this document other than the certifications required to avoid backup withholding.

Please Review your information, read the New Account Agreement Disclosures and sign here. Keep a copy for your records.

I ACKNOWLEDGE AND AGREE THAT THIS AGREEMENT CONTAINS A PREDISPUTE ARBITRATION CLAUSE, IN PARAGRAPHS 13 AND 14, ON PAGES 1 AND 2 OF THE NEW ACCOUNT AGREEMENT DISCLOSURES. I HEREBY ACKNOWLEDGE RECEIPT OF THIS NEW ACCOUNT AGREEMENT WITH PREDISPUTE ARBITRATION CLAUSE THEREIN.

Primary Account Holder or Authorized Person

Authorized Signer 1				
Print Name	Date			
Signature				
X				
Authorized Signer 2				
Print Name	Date			
Signature				
X				
For Broker-Dealer Use Only Accepted: Investment professional is registered in the client's state of residence.				
nvestment Professional Printed Name	Principal Printed Name			
Date	Date			
Signature	Signature			
X	X			

New Account Agreement Disclosures

TO: FINANCIAL ORGANIZATION AND ITS ASSIGNS

1. Provisions in the Event of Failure to Pay or Deliver

Whenever I (we) do not, on or before the settlement date, pay in full for any security purchased for my (our) account, or deliver any security sold for such account, you are authorized (subject to the provisions of any applicable statute, rule, or regulation):

(A) Until payment or delivery is made in full, to pledge, repledge, hypothecate, or rehypothecate, without notice, any or all securities which you or your clearing agent may hold for me (either individually or jointly with others), separately or in common with other securities or commodities or any other property, for the sum then due or for a greater or lesser sum and without retaining in your possession and control for delivery a like amount of similar securities.

(B) To sell any or all securities which you or your clearing agent may hold for me (either individually or jointly with others), to buy in any or all securities required to make delivery for my (our) account, or to cancel any or all outstanding orders or commitments for my (our) account.

2. Cancellation Provisions

You are authorized, in your discretion, should I (we) die or should you for any reason whatever deem it necessary for your protection, without notice, to cancel any outstanding orders in order to close out my (our) accounts, in whole or in part, or to close out any of the commitments made on my (our) behalf.

3. General Provisions

Any sale, purchase, or cancellation authorized hereby may be made according to your judgement and at your discretion on the exchange or other market where such business is then usually transacted, at public auction, or at private sale without advertising the same and without any notice, prior to tender, demand, or call. You may purchase the whole or any part of such securities free from any right of redemption, and I (we) shall remain liable for any deficiency. It is further understood that any notice, prior to tender, demand, or call, from you shall not be considered a waiver of any provision of this agreement. I (we) shall include any person executing this agreement. With my (our) signature on this document, I (we) authorize any free credit balance in my account to be automatically invested into the sweep product elected, unless I (we) instruct my financial organization differently. Pershing LLC is further authorized to rely on instructions that I (we) give to my financial organization regarding my (our) sweep elections. I (we) agree, that my (our) sweep option may be changed, including changes between money market funds and bank deposit products, with prior notification to me (us).

4. Successors and Assigns

This agreement and its provisions shall be continuous, and shall inure to the benefit of your present organization, and any successor organization or assigns, and shall be binding upon me (us) and/or the estate, executors, administrators, and assigns of my (our) account.

5. Age

I (we), if an individual, represent that I (we) am (are) of full age.

6. Interest in Account

No one except me (us) has an interest in any of my (our) accounts with you unless such interest is revealed in the title of such

account, and in any case, I (we) have the interest indicated in such title

7. Orders and Statements

Reports of the execution of orders and statements of my (our) account shall be conclusive if not objected to in writing, the former within two days and the latter within ten days, after forwarding by you to me (us) by mail or otherwise.

8. Extraordinary Events

You shall not be liable for loss or delay caused directly or indirectly by war, natural disasters, government restrictions, exchange, or market rulings, or other conditions beyond your control.

9. Fees and Charges

I (we) agree to the fees and charges on the fee schedule received by me (us). You may change the fee schedule from time to time.

10. Joint Accounts

If this is a joint account, unless we notify you otherwise and provide such documentation, as you require, the brokerage account(s) shall be held by us jointly with rights of survivorship (payable to either or the survivor of us). Each joint tenant irrevocably appoints the other as attorney-in-fact to take all action on his or her behalf and to represent him or her in all respects in connection with this Agreement. You shall be fully protected in acting, but shall not be required to act upon the instructions of either of us. Each of us shall be liable, jointly and individually, for any amounts due to you pursuant to this Agreement, whether incurred by either or both of us.

11. Address

Communications may be sent to me (us) at my (our) current address which is on file at your office, or at such other address as I (we) may hereafter give you in writing. All communications so sent, whether by mail, telegraph, messenger, or otherwise, shall be deemed given to me (us) personally, whether actually received or not

12. Recording Conversations

I (we) understand and agree that for our mutual protection you may electronically record any of my (our) telephone conversations.

13. ARBITRATION DISCLOSURES

THIS AGREEMENT CONTAINS A PREDISPUTE ARBITRATION CLAUSE. BY SIGNING AN ARBITRATION AGREEMENT THE PARTIES AGREE AS FOLLOWS:

- ALL PARTIES TO THIS AGREEMENT ARE GIVING UP THE RIGHT TO SUE EACH OTHER IN COURT, INCLUDING THE RIGHT TO A TRIAL BY JURY, EXCEPT AS PROVIDED BY THE RULES OF THE ARBITRATION FORUM IN WHICH A CLAIM IS FILED.
- ARBITRATION AWARDS ARE GENERALLY FINAL AND BINDING; A PARTY'S ABILITY TO HAVE A COURT REVERSE OR MODIFY AN ARBITRATION AWARD IS VERY LIMITED.
- THE ABILITY OF THE PARTIES TO OBTAIN DOCUMENTS, WITNESS STATEMENTS, AND OTHER DISCOVERY IS GENERALLY MORE LIMITED IN ARBITRATION THAN IN COURT PROCEEDINGS.
- THE ARBITRATORS DO NOT HAVE TO EXPLAIN THE REASON(S) FOR THEIR AWARD, UNLESS, IN AN

ELIGIBLE CASE, A JOINT REQUEST FOR AN EXPLAINED DECISION HAS BEEN SUBMITTED BY ALL PARTIES TO THE PANEL AT LEAST 20 DAYS PRIOR TO THE FIRST SCHEDULED HEARING DATE.

- THE PANEL OF ARBITRATORS WILL TYPICALLY INCLUDE A MINORITY OF ARBITRATORS WHO WERE OR ARE AFFILIATED WITH THE SECURITIES INDUSTRY.
- THE RULES OF SOME ARBITRATION FORUMS MAY IMPOSE TIME LIMITS FOR BRINGING A CLAIM IN ARBITRATION. IN SOME CASES, A CLAIM THAT IS INELIGIBLE FOR ARBITRATION MAY BE BROUGHT IN COURT.
- THE RULES OF THE ARBITRATION FORUM IN WHICH THE CLAIM IS FILED, AND ANY AMENDMENTS THERETO, SHALL BE INCORPORATED INTO THIS AGREEMENT.

14. ARBITRATION AGREEMENT

ANY CONTROVERSY BETWEEN YOU OR PERSHING AND US SHALL BE SUBMITTED TO ARBITRATION BEFORE AND ONLY BEFORE THE FINANCIAL INDUSTRY REGULATORY AUTHORITY. NO PERSON SHALL BRING A PUTATIVE OR CERTIFIED CLASS ACTION TO ARBITRATION, NOR SEEK PREDISPUTE **ENFORCE** ANY ARBITRATION AGREEMENT AGAINST ANY PERSON WHO HAS INITIATED IN COURT A PUTATIVE CLASS ACTION; OR WHO IS A MEMBER OF A PUTATIVE CLASS WHO HAS NOT OPTED OUT OF THE CLASS WITH RESPECT TO ANY CLAIMS **ENCOMPASSED BY THE PUTATIVE CLASS ACTION UNTIL:** (I) THE CLASS CERTIFICATION IS DENIED: (II) THE CLASS IS DECERTIFIED; OR (III) THE CUSTOMER IS EXCLUDED FROM THE CLASS BY THE COURT. SUCH FORBEARANCE TO ENFORCE AN AGREEMENT TO ARBITRATE SHALL NOT CONSTITUTE A WAIVER OF ANY RIGHTS UNDER THIS AGREEMENT EXCEPT TO THE EXTENT STATED HEREIN. THE LAWS OF THE STATE OF NEW YORK GOVERN.

15. Specified Adult and Trusted Contact Disclosure

By completing a physical or electronic contact form or providing Trusted Party information to my broker or investment professional for electronic capture, I/we authorize the named Financial Institution and Pershing LLC ("Pershing") and their affiliates to share my nonpublic personal information* held at Financial Institution and Pershing with the named trusted contact person(s) (the "Trusted Contact Person(s)") identified as such. Additionally, I/we authorize this information to be shared with the Trusted Contact Person(s) at the discretion of Financial Institution and Pershing. This authorization includes, but is not limited to, sharing or disclosing any information regarding securities, insurance, bank related, financial planning or other financial products or services offered by or through Financial Institution and/or Pershing or any financial information I/we may have provided to Financial Institution and Pershing. I/we understand that Financial Institution and Pershing, LLC may contact the named Trusted Contact Person(s) if there are questions/concerns about my whereabouts or health status (i.e., if Financial Institution and Pershing becomes concerned that I may no longer be able to handle my financial affairs) or in the event that Financial Institution and Pershing becomes concerned that I may be a victim of fraud or exploitation.

Account owners should contact their Financial Institution or

financial representative with additional questions.

Account owners may also contact FINRA at its toll-free number for senior investors to get assistance or raise concerns about issues with brokerage accounts and investments.

CALL: 844-57-HELPS (844-574-3577) MONDAY - FRIDAY: 9 - 5 P.M. ET

* "Nonpublic personal information" includes, but is not limited to: financial account information and balances, information regarding the purchase of a security or insurance product, and any other personally identifiable financial information: (i) provided by a me/us to my/our Financial Institution; (ii) resulting from any transaction in my/our account or any service performed on behalf of me/us by the Financial Institution; or (iii) otherwise obtained from me/us by the Financial Institution.

16. Amendment and Modification of Agreement

I (we) agree that you or your successors or assigns may unilaterally, at any time, change or modify the terms and conditions of this New Account Agreement by sending me notice of the change as required by law or regulation.

17. Electronic Delivery Terms

You agree that account communications may be available in an electronic form.

Account communications will be available in portable document format (PDF). You affirm that you have installed a recent version of Adobe Acrobat Reader or other software application that enables you to view and print your account communications. You may print or save a copy of any of the account communications at any time. You may request a mailed copy of any of your account communications by contacting your financial organization.

An electronic mail ("email") notification will be sent when account communications are available to be accessed. The email notification(s) will be sent to the email address(es) you provided directly to your financial organization or provided by registering for electronic delivery.

In the event that a notice of undeliverable status of an email notification is received by Pershing, your financial organization or Pershing may send a paper notification by U.S. mail to the postal address you provided directly to your financial organization.

In the event of an email notification failure, Pershing may discontinue your enrollment in electronic delivery and reset your account communications delivery preferences so that future documents will be delivered to your mailing address of record in paper form. By providing this Electronic Delivery Consent, you affirm that you have provided a valid email address, have access to the Internet and are at least 18 years of age. You agree that electronic delivery of the account communications is deemed accepted, regardless of whether you access or view a particular account communication document. You acknowledge that any authorized users for your account are able to make changes to the electronic delivery settings for your account, and you agree to accept responsibility for such changes.

You may change your delivery preferences at any time by following the instructions on the website, or by contacting your financial organization directly for assistance.