

Estate or other Fiduciary

New Account Package

Account Requirements

Complete a New Account Application.
Attach a copy of the Death Certificate.
Attach a Certificate of Probate Appointment or letters testamentary (with a raised seal) dated within 60 days.
Complete an Affidavit of Domicile with notarization.
Complete an <u>Account Transfer Form</u> .
Read and agree to the terms in the Customer Agreement

Forms Included in this Package:

Form CRS

New Account Application Affidavit of Domicile

Account Transfer Form

Customer Agreement

How to Submit your Application:

You may submit your completed and signed application package through one of the following methods:

Email: Newaccounts@siebert.com

Mail: Muriel Siebert & Co., Inc.

ATTN: NEW ACCOUNTS 15 Exchange Place, Suite 800

Jersey City, NJ 07302

Phone: (800) 872-0444 **Fax:** (212) 486-2784

Once your application has been processed, you will receive an email notification that includes your account number and online login instructions.

Muriel Siebert & Co., Inc & Siebert Advisor NXT, Inc.

Muriel Siebert & Co., Inc. ("MSCO") is a broker-dealer and its affiliate Siebert AdvisorNXT, Inc. ("AdvisorNXT") is an investment adviser. Both are registered with the Securities and Exchange Commission (SEC). MSCO is also a member of the Financial Industry Regulatory Authority (FINRA), the New York Stock Exchange (NYSE) and the Securities Investor Protection Corporation (SIPC).

Brokerage and investment advisory services and fees differ, and it is important for you to understand these
differences. Free and simple tools are available to research firms and financial professionals at Investor.gov/CRS,
which also provides educational materials about broker-dealers, investment advisers, and investing.

What investment services and advice can you provide me?

We offer both brokerage and investment advisory services.

Our **brokerage services** include buying and selling securities at your direction and providing you with investment recommendations, financial tools and planning services, and investor education from time to time or at your request. We offer mutual funds, exchange traded funds (ETFs), domestic and international equities, options, fixed income securities, certificates of deposit (CDs) and structured notes, unit investment trusts, and variable annuities. Unless we separately agree in writing, we do not monitor your brokerage account and you make the ultimate decision regarding the purchase or sale of investments.

Our advisory services include our asset allocation services using mutual funds and exchange traded funds (ETFs) and managed portfolios from in-house and third-party investment managers. Depending on which program you select, our asset allocation services are either "non-discretionary" or "discretionary"—meaning that either we will recommend investments to you and you will make the ultimate decision regarding the purchase or sale of investments (non-discretionary), or we will make the ultimate investment decisions without your signoff (discretionary). The third-party managers we make available to you will invest your account on a discretionary basis using mutual funds, ETFs, and other securities. All of our advisory services are offered through "wrap fee programs" (as described below) and either we or the third-party manager will monitor your advisory account and investments as standard services. At AdvisorNXT this service will be provided on a weekly basis. You must meet certain investment minimums to open an advisory account. Current account minimums may be accessed through your investment professional, or at www.siebert.com.

For Additional information regarding our broker dealer services please visit our website at <u>www.siebert.com</u>. For our advisory services visit <u>www.siebert.com</u> and refer to our latest <u>Brochure Form ADV Part 2-A, Items 4, 5 & 7.</u>

Our affiliate Park-Wilshire Insurance offers a variety of insurance products, including fixed and immediate annuities and life insurance.

Conversation Starters. Ask your financial professional—

- Given my financial situation, should I choose an investment advisory service? Should I choose a brokerage service? Should I choose both types of services? Why or why not?
- How will you choose investments to recommend to me?
- What is your relevant experience, including your licenses, education and other qualifications? What do these qualifications mean?

What fees will I pay?

The fees you pay depend on whether you choose brokerage services, advisory services, or both.

For **brokerage services**, the principal fees and costs are transaction-based fees for recommendations and execution of securities trades. Depending on the investment product you select, these fees can include up-front commissions, as well as fees that are charged on an on-going basis for as long as you hold the investment ("trails"). If we buy a security from you or sell a security to you for our own account (as "principal"), we may mark the price up or down, which is a benefit to us. Because we are compensated for transactions, we have an incentive to encourage you to trade more frequently and in greater amounts, and to trade with us as principal because we receive more revenue when you do so.

You will also pay fees for custodial or administrative services, as well as fees and expenses that are included in the expense ratios of certain of your investments, including in mutual funds, ETFs, and variable annuities. *For additional information about the fees and costs for our brokerage services*, please visit www.siebert.com.

For advisory services, the principal fees and costs are the "wrap" program fee for the program you select. These fees are "asset-based" meaning that the fee is calculated as a percentage of the assets invested in your advisory account according to the fee schedule in your advisory agreement with us. This means that the more assets you invest in your account, the more you will pay in fees, and therefore we have an incentive to encourage you to increase your advisory account assets. For additional information about the fees and costs for our advisory services please refer to our Siebert AdvisorNXT, Inc., brochure Form Part 2-A, Item 4.

The annual wrap advisory fee includes all brokerage commissions, transaction fees, and other related costs and expenses except those inherent in a particular investment vehicle. The annual investment advisory fee is prorated and charged quarterly, in advance, based upon the market value of the assets under management as of the last day of the previous quarter. AdvisorNXT may change the fee at any time by giving 30 days' prior written notice.

Investment Advisory Fees for the initial period or the first quarter of service are calculated on a pro rata basis from the inception date of the account to the end of the first quarter. If assets are deposited into or withdrawn from an account after the inception of a quarter, the fee payable with respect to such assets may be adjusted on a pro rata basis for deposits and/or withdrawals occurring within such quarter and will be calculated in accordance with the advisory agreement based on the days remaining in the quarter.

In the **AdvisorNXT Robo Management program**, you may also pay miscellaneous fees that your account's custodian may charge, including wire fees, transfer fees, and other fees. **For additional information**, please see <u>Siebert AdvisorNXT</u>, <u>Inc. Brochure Form Part 2-A Item 4</u>.

You will pay fees and costs whether you make or lose money on your investments. Fees and costs will reduce any amount of money you make on your investments over time. Please make sure you understand what fees and costs you are paying.

Conversation Starters. Ask your financial professional—

- Help me understand how these fees and costs might affect my investments. If I give you \$10,000 to invest, how much will go to fees and costs, and how much will be invested for me?
- What are your legal obligations to me when providing recommendations as my broker-dealer or when acting as my investment adviser? How else does your firm make money and what conflicts of interest do you have?

When we provide you with a recommendation as your broker-dealer or act as your investment adviser, we must act in your best interest and not put our interest ahead of yours. At the same time, the way we make money creates some conflicts with your interests. You should understand and ask us about these conflicts because they can affect the recommendations and investment advice we provide you. Here are some examples to help you understand what this means:

Examples of Ways We Make Money and Conflicts of Interest.

- Proprietary Products: We will earn higher fees, compensation, and other benefits when you invest in a
 product that we (or one of our affiliates) advise, manage, or sponsor, such as a mutual fund or structured
 CD. As such, we have an incentive to recommend (or to invest your assets in) those products over thirdparty products.
- Third-Party Payments: We receive payments from third party product sponsors and managers (or their
 affiliates) when we recommend or sell certain products. As such, we have an incentive to recommend (or
 to invest your assets in) products of third parties that pay us over products of third parties that do not pay
 us or pay us less.
- **Revenue Sharing:** Certain managers and sponsors (or their affiliates) share the revenue they earn when you invest in certain of their investment products (primarily mutual funds, unit investment trusts, cash sweep vehicles and variable annuities) with us. As such, we have an incentive to recommend (or to invest your assets in) products of sponsors and managers that share their revenue with us, over other products of sponsors or managers that do not share their revenue, or who share less.
- **Principal Trading:** We may buy or sell securities to you for our own account because we earn compensation (such as commission equivalents, mark-ups, mark-downs, and spreads).

For additional information, please refer to our Siebert AdvisorNXT, Inc. Brochure Form ADV Part 2-A, Section 4 and 7.

Conversation Starter. Ask your financial professional—

- How might your conflicts of interest affect me, and how will you address them?
- How do your financial professionals make money?

The firm's financial professionals are principally compensated based on a percentage of the revenues that are produced by the clients they service.

In Advisory Accounts Siebert financial professionals are compensated based on the amount of client assets they service. The fee revenue generated is split between the firm and the financial professional based on a negotiated payout percentage.

In Brokerage Accounts the Firm's financial professionals are compensated based on sales commissions, as well as fees that are charged on an on-going basis for as long as you hold the investment. Also, Siebert financial professionals may buy a security from you or sell a security to you for our own account (as "principal"), and the price to you may be marked up or down. Finally, Siebert may be compensated by issuers of some financial instruments for selling their products. The revenue generated from all these activities is split between the firm and the financial professional based on a negotiated percentage.

Do you or your financial professionals have legal or disciplinary history?

Yes. Visit <u>Investor.gov/CRS</u> or <u>www.brokercheck.finra.org</u> for a free and simple search tool to research us and our financial professionals. The Firm also provides a biography of your Investment Advisor Representative when opening an Advisory account. This document includes any legal and disciplinary history.

Conversation Starter. Ask your financial professional—

• As a financial professional, do you have any disciplinary history? For what type of conduct?

Conversation Starter. Ask your financial professional—

• Who is my primary contact person? Is he or she a representative of an investment adviser or a broker-dealer? Who can I talk to if I have concerns about how this person is treating me?

For assisted accounts, a dedicated financial representative or investment advisor representative will be assigned to you. Should your dedicated representative no longer be available or should you request another representative, another qualified professional will be assigned.

For brokerage services that are self-directed, no financial services representative will be assigned to you. Our support services will include customer service and broker assisted representatives should you have questions regarding your account.

For both assisted and self-directed accounts, you will always have access to Principals of the firm should you have concerns about your assigned professional or any other matter. Please contact us at 800-872-0444 for any needs you may have concerning Muriel Siebert, Siebert AdvisorNXT or your account.



Account Number							

CRS Attestation Form

Return Instructions:

New Accounts:

Email: service@siebert.com Phone: 800.872.0444 Fax: 212.486.2784

1. Account Owner Information

	First Name	Middle Name	Last Name		
Provide the Account Owner names.					
Owner names.	Address				
	City			State	Zip/Postal Code
	Email		Phone		

2. Secondary Account Owner Information If Applicable

	First Name	Middle Name	Last Name		
Provide the					
Secondary Account Owner names.	Address				
	City			State	Zip/Postal Code
	Email		Phone		

Brokerage and investment advisory services and fees differ, and it is important for you to understand these differences. Free and simple tools are available to research firms and financial professionals at Investor.gov/CRS, which also provides educational materials about broker-dealers, investment advisers, and investing.

I have received and read the investment services and advice Form CRS prior to account opening and understand the information that has been provided. I authorize you to contact me for discussion and/or review of my investment decisions and positions and funds held in my account.

Signature	Date MM - DD - YYYY
SIGN C	
Signature	Date MM - DD - YYYY
Signature	



Email: newaccounts@siebert.com Phone: 800.872.0444 | Fax: 212.486.2784

Brokerage Account Application

FOR BRANCH USE ONLY						
Branch Prefix	Account Number					
RR1/Rep of Record	RR2/Pay-To Rep					
Agency						
Are holders employees of your B/D? No Yes						
Is this a Managed Account?	Is this a Managed Account? No Yes					

Use this form to open a brokerage account with your Broker/Dealer to be held at National Financial Services LLC ("NFS"). Type on screen or fill in using CAPITAL letters and black ink. If you need more room for information or signatures, use a copy of the relevant page

ou must indicate an acco		ty). Types of ownership are governed b						
Additional paperwork	Individual	tion 2 to complete Primary Account Ho Joint:	ount Holder information. Custodial:					
is required for estate or entity accounts.	Transfer on Death: TOD – Individual TOD – Joint Tenants with Rights of Survivorship TOD – Joint Tenants in Ent	☐ Tenants with Rights of Sun☐ Tenants in Common☐ Tenants in Entirety☐ Community Property						
	Entity Accounts Go to Section 6 to complete Entity Account Information.							
Corporations and Limited	If there are any persons who qualified Account Stakeholder section. Corporation taxed as:	ualify as an entity owner or control pers Limited Liability Company (LLC)* tax	son, their information can be captured in the					
Liability Companies must also select the applicable tax classification. Entities with tax exempt 501(c) (3) status should choose Exempt (not applicable).	☐ C-Corp ☐ S-Corp ☐ Exempt (not applicable)	C-Corp Partr						
	Trust:	Non-Prototype:						
	☐ Under Agreement☐ Under Will	☐ IRA ☐ Plan ☐ Trust						
	Other:							
	☐ Church ☐ Committee ☐ Conservator ☐ Bank	Guardian Investment Club Other Other						
	Exempt Payee Code							
		ntity qualifies for one of the 13 exempt the last page of this application for a c						

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^{*} A domestic LLC solely owned by an individual that is a disregarded entity for tax purposes should provide the individual's name, the DBA company name and the individual's SSN in Section 6.

Tenants in	Common	Percentag
		%

2. Primary Account Holder

Enter full name as	First Name			Middle	e Name	L	ast Name				
evidenced by a											
government-issued	Date of Birth MM DD YYY	~	Email								
expired document (e.g.,	Date of Birth Min DD 111	1	Lillali								
driver's license, passport, ermanent resident card).											
ermanent resident cardy.	Daytime Phone			Evenir	ng Phone			☐ Sinale	e/Divor	ced/Widowed	# of Dependents
								☐ Marri			
	Business Title complete	if applicab	le								
	Country of Citizenship						Country of Tax Resi	dency			
								,			
								- 1			
		Social Secu	urity/Taxpayer	r ID Numb	per T	ype of (Government-Issued II	D ID Numb	er		
	SSN LI TIN										
	State/Country of ID Issu	ance I	D Issuance Da	ate		ID I	Expiration Date				
	Legal Address										
Cannot be a P.O. Box	Address Line 1						Address Line 2				
or Mail Drop.											
,	City				State/Provi		Zip/Postal Code			Country	
	City				State/F10VI	rice	Zip/Fostal Code			Country	
	Mailing Address										
	Same as Legal	Address									
Complete only if	Address Line 1						Address Line 2				
different from Legal											
Address above.											
	City				State/Provi	nce	Zip/Postal Code			Country	
	In any Course A	CC:1: - +:							C	:	
	Income Source, A	miliation	s, and Ass	ociatio	ons inaus	try reg	guiations require	e us to ask i	for this	information.	
Check one.	☐ Employed	[Retire	ed			Not Employed				
Provide Income Source if	Occupation			Income :	Source			Employer Nan	ne		
retired or not employed.											
	Address Line 1						Address Line 2				
					1						
	City				State/Provi	nce	Zip/Postal Code			Country	

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2. Primary Account Holder continued

Check all that apply and provide information.	You are, or an immediate fam You are, your spouse, or any of home (at the same address), i officer or can direct corporate provide the information below	of your rela s a membe managem	itives (including er of the board	parents, in-laws and/or dep of directors, is a 10% sharel	oendents, nolder, or	is a policy-making			
	Company Name			T ₁	CUSIP or Syn	nbol			
	Company Hamo								
	Check this box if any of these see Regulatory Authority ("FINRA" are a child who resides in the second to an associated person who he support to you and has control regulatory organization ("SRO" Same as employer above.) member ame house as control of over your ") or a mun	firm ("associated shold or is finand over your accou account, or you icipal securities	d person"), you are the spou cially dependent on the asso nt or an associated person r are affiliated with or employ dealer.	use of an a ociated pe materially (erson, you are related contributes financial			
	Company Name								
	Address Line 1			Address Line 2					
				, adios Elio E					
	City		State/Province	Zip/Postal Code	Со	untry			
If a Deal of Deal of the	Primary Trusted Contact Options			ı					
If your Broker/Dealer has questions or concerns about your health or	First Name Middle Name			Last Name					
welfare due to potential diminished capacity, financial exploitation or	Email	·		Relationship to Account Owner	Relationship to Account Owner				
abuse, endangerment and/or neglect, your Broker/Dealer may	e, endangerment Vor neglect, your	Пм	obile Number	Evening Phone		☐ Mobile Number			
contact the person(s) you name as trusted contact. They will have no	ct the person(s) name as trusted Attention					_			
ability to transact on the account.	Address Line 1			Address Line 2					
account									
	City		State/Province	Zip/Postal Code	Со	untry			
	Alternate Trusted Contact Optic	nal							
	· ·		LH N	L . N					
	First Name	Mile	ddle Name	Last Name					
	Email			Relationship to Account Owner					
	Daytime Phone			Evening Phone		_			
		□ м	obile Number			☐ Mobile Number			
	Attention								
	Address Line 1			Address Line 2					
	City		State/Province	Zip/Postal Code	Co	untry			

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-	Tenants in	Common	Percentage
			%

3. Additional Account Holder Copy and complete this section for each additional Account Holder.

Enter full name as	First Name		Middle Name	Last Name					
evidenced by a									
government-issued	Date of Birth MM DD YYYY	Email							
unexpired document (e.g.,	Elidii Mini Du 1111 Elidii								
driver's license, passport, permanent resident card).									
реппанент тезіцент сага).	Daytime Phone		Evening Phone		☐ Single/Divo	rced/Widowed # of Dependents			
					☐ Married	35a, 111a3113a			
					iviamed				
	Business Title complete if applicab	ble							
	Country of Citizenship			Country of Tax Re	sidency				
					,				
	SSN TIN Social Sec	curity/Taxpayer ID	Number Type	of Government-Issued	I ID Number				
	33 N 1 N								
	State/Country of ID Issuance	ID Issuance Date	,	ID Expiration Date					
			l						
	Legal Address								
Cannot be a P.O. Box	Address Line 1			Address Line 2					
or Mail Drop.									
	City		State/Province	Zip/Postal Code		Country			
	Mailing Address								
	Same as Legal Address								
Complete only if	Address Line 1		_	Address Line 2					
different from Legal	Address Ellie 1			/ tadiess Enie 2					
Address above.									
	City		State/Province	Zip/Postal Code		Country			
	Income Source, Affiliation	ns, and Assoc	ciations Industry	regulations requi	re us to ask for this	information.			
Charles									
Check one.	☐ Employed	☐ Retired	Ш	Not Employed					
Provide Income Source if	Occupation	In	come Source		Employer Name				
retired or not employed.									
	Address Line 1			Address Line 2					
	, addiedo Ellie I			/ Iddiess Line Z					
	City		State/Province	Zip/Postal Code		Country			

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3. Additional Account Holder continued

Check all that apply and provide information.	You are, or an immediate family/ You are, your spouse, or any of you home (at the same address), is a officer or can direct corporate may provide the information below:	our rela	tives (including er of the board	parents, in-laws and/or dep of directors, is a 10% sharel	oendent nolder, c	or is a policy-making
	Company Name				CUSIP or S	Symbol
	Sompany manne					J
	Check this box if any of these scer Regulatory Authority ("FINRA") m are a child who resides in the samto an associated person who has a support to you and has control ov regulatory organization ("SRO") o	nember f ne house control c ver your or a muni	firm ("associated hold or is finand over your accou account, or you icipal securities	d person"), you are the spot cially dependent on the asso nt or an associated person r I are affiliated with or employ dealer.	use of an ociated p materiall	n associated person, you person, you are related y contributes financial
	Company Name					
	Address Line 1			Address Line 2		
	City		State/Province	Zip/Postal Code	(Country
	Primary Trusted Contact Optional					
If your Broker/Dealer has	First Name	Mic	ddle Name	L Nama		
questions or concerns	First Name	IVIIC	idle ivame	Last Name		
about your health or welfare due to potential	Email		Relationship to Account Owner			
diminished capacity, financial exploitation or	Littali			Relationship to Account Owns.		
abuse, endangerment and/or neglect, your Broker/Dealer may	Daytime Phone	П М	obile Number	Evening Phone		☐ Mobile Number
contact the person(s) you name as trusted contact. They will have no	Attention					
ability to transact on the account.	Address Line 1			Address Line 2		
40004						
	City		State/Province	Zip/Postal Code		Country
	Alternate Trusted Contact Optional		1			
	First Name		ddle Name	Last Nama		
	First Name	IVIIC	idle ivallie	Last Name		
	F			Delational in the Assessment O.		
	Email			Relationship to Account Owner		
	Daytime Phone	$ \square_{\mathbf{M}}$	obile Number	Evening Phone		☐ Mobile Number
		IVI	Oblie Nullibei			☐ Mobile Multiber
	Attention					
	Address Line 1			Address Line 2		
	City		State/Province	Zip/Postal Code		Country
				<u> </u>		

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4. Suitability

Financial Position Choose the	e range that best describes your sit	tuation or provide the	dollar amount.			
Annual Income From all sources	Estimated Net Worth Excluding primary residence	Investable/Liquid		Federal Tax Brad		Account Funding Source Check all that apply.
\$0-\$25,000 \$25,000-\$50,000 \$50,000-\$100,000 Over \$100,000	\$0-\$50,000 \$50,000-\$100,000 \$100,000-\$500,000 Over \$500,000	\$0-\$50,000 \$50,000-\$100, \$100,000-\$500 Over \$500,000	000	0%–15% 21%–27½% Over 27½%] [] []	Asset appreciation Business revenue Inheritance Legal/insurance settlement Sale of assets
Annual Expenses Recurring \$0-\$50,000 \$50,000-\$100,000 \$100,000-\$250,000 \$250,000-\$500,000 Over \$500,000	Special Expenses Future and non-recurring \$0-\$50,000 \$50,000-\$100,000 \$100,000-\$250,000 Over \$250,000 \$	Timeframe Required for Specia Within 2 years 3–5 years 6–10 years	l Expenses			Savings from earnings Other
Investment Profile						
Investment Purpose Save for education Save for retirement Save for short-term goal(s) Generate income Accumulate wealth Preserve wealth Market speculation Other Other Product Knowledge	Investment Objectives Rank your investment objet account in order of import the highest). Review the at Agreement for important investment objectives. Selt applicable objectives (contained investment professional form of caped in the professional form of the professional	ectives for this cance (1 being ttached Customer information on ect only the sult with your or more information).	Moderat Moderat Aggress Combin. Investment Near Te Very Sho Short Intermed Long	ative tely Conservative te tely Aggressive ive ation: t Time Horizon rm ort	Limite Good Extens	
Investment Product Knowle	edge:					
Check either None, Limited,	Good, or Extensive based on y None Limited Good E		the following umber of Yea		umber of y Transaction	
Stocks				0–5		5–15 Over 15
Bonds						6–15
Short Term				<u> </u>		5–15
Mutual Funds Options				<u> </u>		6–15
Limited Partnerships				<u> </u>		6–15
Variable Contracts				<u> </u>		6–15
Futures				<u> </u>		6–15
Annuities				0–5		6–15
Alternative Investments				0-5		6–15 Over 15
Margin				0–5		6–15 Over 15
Foreign Currency				0-5		6–15 Over 15
Foreign Securities				0-5		6–15 Over 15
Life Insurance				0-5		6–15 Over 15
Other				0–5		5–15 Over 15

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4. Suitability continued **Additional Suitability Information Decision-Making Experience** Additional Information Check all that apply: I consult with my broker. ☐ Yes П No Yes П No I make my own decisions. I consult with my family/friends. ☐ No Yes Assets Held Away - Provide total value of assets held away and percentages for each type of asset. Total of all percentages must equal 100%. Mutual Funds Variable Contracts Total value of assets held away: Stocks Alternative Investments % % % Bonds Options Security Futures Foreign Currency % % % % Short Term Limited Partnerships Annuities Foreign Security % % % % Life Insurance Other Other explain % % 5. Account Characteristics Service Instructions Proceeds Choose one. Security Purchases Choose one. Dividend/Distribution Income Choose one. Note that any dividend/distribution income sent to a DVP account will remain ☐ Hold in core account investment ☐ Hold in street name there pending additional instructions. vehicle (if specified) or in Register certificates to account Handle all dividends and distributions like sales proceeds brokerage account name and send to mailing Reinvest mutual fund and equity dividends, handle all other address ☐ Send by check to mailing distributions like sales proceeds address of account* Delivery vs. payment (DVP) Reinvest mutual fund dividends, handle all other distributions like Send by external bank link (EFT)* sales proceeds ☐ Send by Autosweep (DBSX)* Reinvest equity dividends, handle all other distributions like sales Bank affiliates only. Consult Broker/ Dealer for availability. Pay all distributions in cash and send a check: Delivery vs. payment (DVP) ☐ Weekly ☐ Twice a Month * If you choose this option, any cash credit balance will be sent to you. ☐ Monthly ☐ Quarterly **Bank Information** Required if you choose **Bank Account Type** external or internal □ Checking bank link or can be used Savings to establish standing instructions for electronic ABA Number Account Number transfers between your brokerage account and your bank account. Core Account Investment Vehicle Consult your Broker/Dealer for a list of available investment vehicles. If you are or become a non-U.S. customer, your options may become limited. If you do not choose a core account investment vehicle for your core account, your Broker/Dealer may invest your cash/credit balances in a taxable interest-bearing credit account or in a default core account investment vehicle of its choice while awaiting reinvestment. Different core account investment vehicles may have different rates of return and different terms and conditions, such as FDIC insurance or SIPC protection. If you do not select a core account investment vehicle, your Broker/Dealer may not consider these differences when selecting a default core account investment vehicle for you. You authorize your Broker/Dealer and/or NFS to change the core account investment vehicle in your core account at its discretion.

continued on next page

Core Account Investment Vehicle Symbol

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Core Account Investment Vehicle Name

5. Account Characteristics continued

Duplicate Information				
objectives, additional athese communications To Third Party Attact	rs If selected, New Account Profiles (NAPs) account holder address changes, and name of will be mailed to the mailing address of the abladitional sheet if necessary. Completing s) of duplicate documents checked to the p	changes will be ser account and deen this section will b	nt to each account ho ned to have been del e considered your re	older's mailing address. If not selected, livered to all account holders.
Check all that apply.	\square Trade Confirmations \square Statements			
	Name			
	Address			
	City !	State/Province	Zip/Postal Code	Country
eDelivery				
Use the primary at Use another according Email	h instructions on how to complete the enrol count holder's email address that is provide unt holder's email address. <i>Provide the ema</i>	ed in Section 2. ail address below.	tions will be required.	
Indicate any features in th	is section that you would like to request. Copplication(s) to apply for the features(s) yo	onsult your Broke ou want.	er/Dealer for availab	oility and eligibility, and to obtain the
Note: Certain restrictions apply to Non-Prototype Accounts.	Account Features Margin See Important Information for Accounts. Options Fee-Based Account Indicate type below. Account Type Important Information for Non-Prototyp The following information does not apply Margin Account Feature on a Plan or IR.	ne Accounts to a nonretiremen	Premier Acc	SS
	margin Account realure on a ridh of hiv	A ACCOUNT IS HITHE	ca to the purchase C	A Said Of Securities in the account.

- Non-Purpose Loans are not permitted on Plan or IRA Accounts.
- You, your plan trustee or IRA Custodian will be responsible for filing any taxes associated with unrelated business taxable income ("UBTI").
- You will also be responsible for any mandatory disclosures to Regulatory Agencies or plan participants, as applicable.

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	Entity/Trust Name							Date	e of Trust	
Enter full entity name as	Litaty/ itust ivaine							Date	e or must	
evidenced by the relevant formation document										
(e.g., trust document,	Country of Organization		Country of Ta	ax Residency		 □ SSN □ TII		Social Se	curity/Tax	payer ID Number
partnership agreement,						L 55N L III	V			
corporate resolution).	Type of Government-Issued ID*	ID Num	ber*		Stat	te/Country of ID Issuance*	ID Is	suance D	ate*	ID Expiration Date*
For foreign entities ONLY.										
	Legal Address				•					
Cannot be a P.O. Box or Mail Drop.	Address Line 1				Ado	dress Line 2				
	City			State/Province	Zip/	/Postal Code			Country	
	Mailing Address ☐ Sar	ne as L	.egal Addre	SS						
Complete only if	Address Line 1				Add	dress Line 2				
different from Legal Address above.										
Address above.	City			State/Province	Zip/	/Postal Code			Country	
7 Entities Th	at Are Accoun	·+ H	aldar	•						
7. Entities Th	at Are Accour	nt H	olders	5						
	at Are Accoun				erson	al information on a	t lea	st one	individu	ual associated with
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8. Account Stakeholder

A **control person** is an individual with significant responsibility for managing the legal entity (e.g., a Chief Executive Officer, Chief Financial Officer, Chief Operating Officer, Managing Member, General Partner, President, Vice President, or Treasurer).

An **entity owner** is each individual, if any, who, directly or indirectly, through any contract, arrangement, understanding, relationship or otherwise, owns 25 percent or more of the equity interests of the legal entity opening the account. If there are no entity owners that are disclosed in this application, you are certifying that there are no individuals that own, directly or indirectly, 25% or more of the equity interests of the legal entity customer. You will notify your Broker/Dealer if or when beneficial ownership of the legal entity customer changes.

	Stakeholder #1								
Check all that apply.	☐ Individual with Appoint/Remove Au ☐ Authorized Agent ☐ Authorized Agent/Beneficial Owner Personal Information	☐ Control	Person Gra	tity Owner antor dividual with Revoke/Amend	l Authority				
	First Name	Middle Name	Last Name						
Enter full name as	riistivanie	Wilddie Name	Last Name						
evidenced by a government-issued,									
unexpired document (e.g., driver's license, passport, permanent resident card).	Business Title								
If the account stakeholder is an entity, enter full entity name as evidenced	Country of Citizenship		Citizenship Status						
by the relevant formation	Social Security/Taxpayer ID	Number Date of	Birth MM DD YYYY	% of Ownership					
document (e.g., trust	SSN TIN								
document, partnership agreement, corporate	T (C)		C (C (1D.)	Tipl D. Tips					
resolution).	Type of Government-Issued ID ID Number		State/Country of ID Issuance	e ID Issuance Date ID Expirati	on Date				
	Legal Address		•						
	Address Line 1		Address Line 2						
Cannot be a P.O. Box or Mail Drop.	Address Ellie 1		/ ladiess Ellie 2						
or Mail Diop.									
	City	State/Province	Zip/Postal Code	Country					
	Stakeholder #2	<u>.</u>							
	_								
Check all that apply.	☐ Individual with Appoint/Remove Au	_		tity Owner					
	☐ Authorized Agent		= -	antor					
	_	☐ Authorized Agent/Beneficial Owner ☐ Deceased Grantor ☐ Individual with Revoke/Amend Authorized Agent/Beneficial Owner							
	Personal Information								
Enter full name as	First Name	Middle Name	Last Name						
evidenced by a									
government-issued,	Business Title								
unexpired document (e.g., driver's license, passport,									
permanent resident card).									
If the account stakeholder	Country of Citizenship		Citizenship Status						
is an entity, enter full			·						
entity name as evidenced by the relevant formation	C : 1C :: (T	N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Di il antes ince	0/ 10 1:					
document (e.g., trust	SSN TIN Social Security/Taxpayer IE	Number Date of	Birth MM DD YYYY	% of Ownership					
document, partnership	3311 🗀 1111								
agreement, corporate resolution).	Type of Government-Issued ID ID Number		State/Country of ID Issuance	ID Issuance Date ID Expirati	ion Date				
resolution).									
	Land Address								
	Legal Address		Tall II o						
Cannot be a P.O. Box	Address Line 1		Address Line 2						
or Mail Drop.									
	City	State/Province	Zip/Postal Code	Country					

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9. Beneficiary/FBO Information

This section is required for Transfer on Death Accounts, is optional for Trust and Non-Prototype accounts, and does not apply to any other types of accounts. Social Security/Taxpayer ID Number or Date of Birth is required for each beneficiary.

	Pri	mary Benefici	aries			
For each beneficiary, check one and provide information. Social	. 🗖	Spouse Non-Spouse	Beneficiary Name	Social Security/Taxpayer ID Number	Date of Birth/Trust MM DD YYYY	Per Stirpes Share Percentage
Security/Taxpayer ID		Trust	□ SSN □ TIN		Date of Birth frust Min DD 1111	Share reicentage
Number or Date of Birth/ Trust is required for each beneficiary.			Country of Citizens	I ship/Organization	Name of Trustees if applicable	
Use percentages only, not dollar amounts.		Smarras	Beneficiary Name			
If beneficiary is a trust, provide trust name and date trust was established.		Spouse Non-Spouse Trust	☐ SSN ☐ TIN	Social Security/Taxpayer ID Number	Date of Birth/Trust MM DD YYYY	☐ Per Stirpes Share Percentage %
To designate additional beneficiaries, attach instructions with the			Country of Citizens	hip/Organization	Name of Trustees if applicable	
necessary beneficiary information.		Spouse Non-Spouse	Beneficiary Name			Per Stirpes
		Trust	□ SSN □ TIN	Social Security/Taxpayer ID Number	Date of Birth/Trust MM DD YYYY	Share Percentage
			Country of Citizens	ship/Organization	Name of Trustees if applicable	
		Spouse Non-Spouse Trust	Beneficiary Name SSN TIN Country of Citizens		Date of Birth/Trust MM DD YYYY Name of Trustees if applicable	Per Stirpes Share Percentage %
		Spouse	Beneficiary Name			☐ Per Stirpes
		Non-Spouse Trust	SSN TIN	Social Security/Taxpayer ID Number	Date of Birth/Trust MM DD YYYY	Share Percentage %
			Country of Citizens	ship/Organization	Name of Trustees if applicable	
		Spouse Non-Spouse	Beneficiary Name			Per Stirpes
	☐ Non-Spouse		□ SSN □ TIN	Social Security/Taxpayer ID Number	Date of Birth/Trust MM DD YYYY	Share Percentage %
			Country of Citizens	ship/Organization	Name of Trustees if applicable	

continued on next page

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9. Beneficiary/FBO Information continued

	Contingent Beneficiaries							
For each beneficiary, check one and provide information. Social		Spouse Non-Spouse	Beneficiary Name			☐ Per Stirpes		
Security/Taxpayer ID Number or Date of Birth/		Trust	□ SSN □ TIN	Social Security/Taxpayer ID Number	Date of Birth/Trust MM DD YYYY	Share Percentage		
Trust is required for each beneficiary.			Country of Citizens	ship/Organization	Name of Trustees if applicable			
Use percentages only, not dollar amounts.		Spouse	Beneficiary Name		1			
If beneficiary is a trust, provide trust name		Non-Spouse		Social Security/Taxpayer ID Number	Date of Birth/Trust MM DD YYYY	Per Stirpes Share Percentage		
and date trust was established.		Trust	SSN TIN			%		
To designate additional beneficiaries, attach			Country of Citizens	snip/Organization	Name of Trustees if applicable			
instructions with the necessary beneficiary information.		Spouse Non-Spouse	Beneficiary Name			Per Stirpes		
		Trust	SSN 🗆 TIN	Social Security/Taxpayer ID Number	Date of Birth/Trust MM DD YYYY	Share Percentage		
			Country of Citizens	L ship/Organization	Name of Trustees if applicable			
		Spouse	Beneficiary Name			Per Stirpes		
		Non-Spouse Trust	□ SSN □ TIN	Social Security/Taxpayer ID Number	Date of Birth/Trust MM DD YYYY	Share Percentage		
			Country of Citizens	 ship/Organization	Name of Trustees if applicable	76		
		Spouse	Beneficiary Name			☐ Per Stirpes		
		Non-Spouse Trust	□ SSN □ TIN	Social Security/Taxpayer ID Number	Date of Birth/Trust MM DD YYYY	Share Percentage %		
			Country of Citizens	 hip/Organization	Name of Trustees if applicable	76		
] Spouse] Non-Spouse	Beneficiary Name			☐ Per Stirpes		
		Trust	SSN 🗆 TIN	Social Security/Taxpayer ID Number	Date of Birth/Trust MM DD YYYY	Share Percentage		
			Country of Citizens	L ship/Organization	Name of Trustees if applicable			
					L			

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10. Signature(s) and Date(s) Form cannot be processed without signature(s) and date(s).

Customer Identification Program Notice: To help the government fight financial crimes, Federal regulation requires your Broker/Dealer and us to obtain your name, date of birth, address, and a government-issued ID number before opening your account, and to verify the information. In certain circumstances, we may obtain and verify comparable information for any person authorized to make transactions in an account. Also, Federal regulation requires us to obtain and verify the beneficial owners, i.e., entity owners and control persons, of legal entity customers. Requiring the disclosure of key individuals who own or control a legal entity helps law enforcement investigate and prosecute crimes. Your account may be restricted or closed if we or your Broker/Dealer cannot obtain and verify this information. We or your Broker/Dealer will not be responsible for any losses or damages (including, but not limited to, lost opportunities) that may result if your account is restricted or closed.

In the section below, "NFS," "us," and "we" refer to National Financial Services LLC and its officers, directors, employees, agents, affiliates, shareholders, successors, assigns, and representatives as the context may require; "you" refers to the account holder(s) indicated on the account form and any authorized individuals; "Broker/Dealer" refers to the financial institution with which you opened your account.

By signing below, you:

- Affirm that you are at least 18 years of age and are of full legal age in the state in which you reside
- Affirm that you have received, read, understand, and agree to the current terms of Account Agreement and the account features you selected and agree to future amendments to these terms.
- Understand that unless you provide written notice to the contrary, NFS and your Broker/ Dealer may supply your name and other information (including your Social Security/ tax identification number) to issuers of securities held in your account so you can receive important information and participate in corporate actions regarding such securities.
- Represent and warrant that you have disclosed to your Broker/Dealer your employer information and affiliation status.
- Agree that if an entity is opening the account, you will notify your Broker/Dealer if or when beneficial ownership information of the entity changes.
- Indemnify and hold harmless your Broker/Dealer, NFS, their officers, directors, employees, agents, affiliates, shareholders, successors, assigns, and representatives from any claims or losses that may occur in the event that you fail to meet any requirements concerning your brokerage account.
- Certify that all information provided in this application is true, accurate, and complete.
- Affirm that you have also read, understand, and agree to the terms of the applicable prospectus or disclosure document for any mutual fund that you purchase or exchange or Bank Deposit Sweep Program into which you have funds transferred or invest, including any mutual fund or Bank Deposit Sweep Program that you choose for your core account and that you agree to future amendments to these terms.

- Represent that, if you choose a bank sweep product for your core account investment vehicle, you are: (1) a natural person; (2) if you are a fiduciary, each of the beneficial owners are natural persons; or (3) if this account is established as a Transfer on Death account, each beneficiary is a natural person.
- Agree that if you do not choose a core account investment vehicle for your account, you authorize your Broker/Dealer to select a default core account investment vehicle for you, and you shall hold your Broker/Dealer and us harmless for such default selection and any resulting consequences.
- Acknowledge that NFS is serving in the capacity of a clearing firm and is not responsible for any administration of the Plan or IRA.
- Agree that you are responsible for providing information about this account to your IRA Custodian, plan administrator or plan recordkeeper for any required reporting or disclosure.
- Understand that different core account investment vehicles may have different rates of return and terms and conditions, such as FDIC insurance or SIPC protection, and your Broker/Dealer may not have considered these differences when selecting a core account investment vehicle for you.
- Have instructed your Broker/Dealer to establish, as your agent, an account with us. You have appointed your Broker/Dealer as your exclusive agent to act for and on your behalf with respect to all matters regarding your account with us, including the placing of securities purchase and sale orders; the selection of your core account investment vehicle, including a Bank Deposit Sweep Program; and to act in all respects in connection with such core account investment vehicle; and, provided margin and/or options trading have/has been approved, delivery of margin and option instructions for your account. No fiduciary relationship exists

with us. Understand that we will look solely to your Broker/Dealer and not you with respect to such orders or instructions, and you agree to hold us harmless from and against any losses, costs, or expenses arising in connection with the delivery or receipt of any such communication(s), provided we have acted in accordance with the above. The foregoing shall be effective until written revocation is received by us and your Broker/Dealer.

For a Non-Prototype Retirement Plan or IRA Account

By signing below, you:

- Acknowledge that this account may be governed by a plan document or custodial agreement and that you may have a fiduciary obligation with regard to the administration and investment of that plan.
- Agree that margin shall only be used to purchase or sell securities for this account.
- Agree to file any required tax form and pay applicable taxes from or with respect to this account
- Agree to provide necessary disclosures associated with margin to Regulatory Agencies or plan participants, as necessary.
- Represent that margin does not constitute a Prohibited Transaction under the Employee Retirement Income Security Act of 1974, as amended ("ERISA") or the Internal Revenue Code of 1986, as amended ("IRC").
- Indemnify and hold harmless NFS from and against all claims, demands, proceedings, suits, and actions and all liabilities, losses, expenses and costs including legal fees and expenses related to (1) account holder's failure to comply with any of its fiduciary obligations to the plan for which this account is established, (2) misuse of margin and (3) failure to comply with any disclosure and/or filing requirements as set forth by the Internal Revenue Service from time to time.

If you are a U.S. person:

You certify under penalties of perjury that: (1) the Social Security number or Taxpayer identification Number that you provided on this application is correct (or you are waiting for a number to be issued to you); and (2) you are not subject to backup withholding because: (a) you are exempt from backup withholding, or (b) you have not been notified by the Internal Revenue Service (IRS) that you are subject to backup withholding for failure to report all interest or dividends, or (c) the IRS has notified you that you are no longer subject to backup withholding; and (3) you are a U.S. citizen or other U.S. person, including a U.S. resident alien; and (4) the FATCA code(s) entered on this form (if any) indicating that you are exempt from FATCA reporting are correct.

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, you must check this box to indicate that you do not certify Item 2.

If you are not a U.S. person:

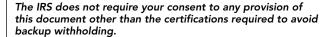
 You are submitting the applicable Form W-8 with this form to certify your foreign status and, if applicable, claim tax treaty benefits.

continued on next page

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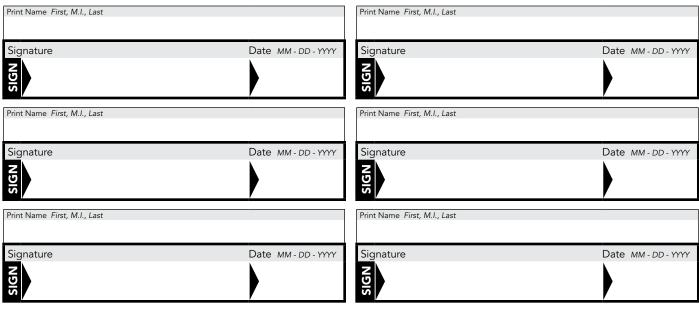
National Financial Services LLC, Member NYSE, SIPC

10. Signature(s) and Date(s) continued

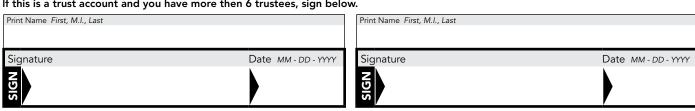


You acknowledge that this account is governed by a pre-dispute arbitration clause, which appears on the last page of the Brokerage Account Customer Agreement, and that you have read the pre-dispute arbitration clause.

All account holders (including authorized individuals and trustees) must sign and date in accordance with the signature requirements outlined in the account's supporting documents.



If this is a trust account and you have more then 6 trustees, sign below.



For Branch Use Only Account accepted in accordance with firm policies.		
Registered Rep. Name	Signature	Date MM - DD - YYYY
Office Manager/Principal Name	Signature	Date MM - DD - YYYY

National Financial Services LLC, Member NYSE, SIPC

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Backup Withholding Exemption Codes



Use the codes below to populate the Tax Exemption Code field in the Account Registration section of applicable new account applications.

The following is an excerpt from the IRS Form W-9. For more information, visit www.irs.gov/formspubs.

Exempt payee code. Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends. Corporations are not exempt from backup withholding for payments made in settlement of payment card or third-party network transactions.

The following codes identify payees that are exempt from backup withholding:

- 1 An organization exempt from tax under Section 501(a), any IRA, or a custodial account under Section 403(b)(7) if the account satisfies the requirements of Section 401(f)(2)
- 2 The United States or any of its agencies or instrumentalities
- 3 A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities
- 4 A foreign government or any of its political subdivisions, agencies, or instrumentalities
- **5** A corporation
- 6 A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States
- 7 A futures commission merchant registered with the Commodity Futures Trading Commission
- 8 A real estate investment trust
- 9 An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10 A common trust fund operated by a bank under Section 584(a)
- 11 A financial institution
- 12 A middleman known in the investment community as a nominee or custodian
- 13 A trust exempt from tax under Section 664 or described in Section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for	THEN the payment is exempt for
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Payments over \$600 required to be reported	Generally, exempt payees 1 through 5

National Financial Services LLC, Member NYSE, SIPC

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Email: service@siebert.com

Phone: 800.872.0444 | Fax: 212.486.2784



Affidavit Of Domicile

Sate Of:				
Country Of:				
, being d	uly sworn, deposes and says	: I reside at		
street, city of	•			
	ceased, who died on the			
of the death the legal residence of said decedent v	was			_
street, City of	, county of	:		
street, City of He / She resided in the State of		, for	, years prior to dea	th, and was no
a resident of any other State (other than that of his				
shares				
Said security was physically located in the city of				at the time of
death of decendent.				_,
Swom to or affirmed before me this				
, 20 , 20				
My commission expires:				
			(Signature of Depone	ant l
			(Signature of Deport	eric)
Affix Seal				
AIIIA Jeai				

Siebert

Internal Transfer

Email: service@siebert.c Internal Transfer:	com Phone: 800	.872.0444 Fa	ax: 212.486.2784		
Please transfer the following fi Note: Please list all assets separately Funds: \$		from my(our) Acc			
Include Dividends and Interes	t? Yes		No		
Number of Shares or \$ Amount	Name of Investment/Sy	mbol	Number of Shares or \$ Amount	Name of Investment	:/Symbol
Please transfer the funds and (All Account Owners/Trustee's/Joint Te		unt Number:			
Name:		Signature			Date
	Notarization is NO		third party, you (AND any joir registered account owner(s) a		
Notarization:					
Sworn to (or affirmed) before	me				
Date					
Give official capacity of official administ	ering oath				
My Commission expires:				NOTA SEA	

Brokerage Account Customer Agreement

This is the agreement for your brokerage account. It describes the features and policies associated with the account. Review this document and keep it for your records. Do not return it with your application.

Who's Who in This Agreement

In this document, "us," "we," and "our" refer to your Broker/ Dealer. "NFS" is National Financial Services LLC, a NYSE member, whom we have engaged to provide custody and clearing services for us.

The terms "account owner," "you," and "your" refer to the owner(s) indicated on the account application. For joint accounts, these terms refer to all owners, collectively and individually. For accounts owned by entities, such as trust or business accounts, these terms refer both to the entity and to all account holders.

Commitments Between You and Us

Our Commitments to You

When we accept your account application, we are agreeing to serve as your broker and to maintain an account for you. We agree, subject to our acceptance of an authorized order, to buy, sell, or otherwise dispose of securities for you according to your instructions. We and NFS also agree to provide various services and features, as described below. Note that NFS has no fiduciary responsibilities to you or this account, and does not offer any tax, legal, or investment advice, or opinions on the suitability of any investment in connection with this account.

Your Commitments to Us

Many of these commitments are spelled out more completely on the following pages, but in general, when you sign the account application, you agree to the following:

- to accept full responsibility for the content and accuracy of all authorized instructions placed on your account, and for all results and consequences of these instructions; this includes all investment decisions and trading orders, and all instructions placed by you or any other person you authorize
- to pay all fees, charges, and expenses incurred in your account
- to maintain enough assets in your account to satisfy all obligations as they become due, and to authorize us or NFS to take whatever steps we or NFS may consider necessary to resolve unpaid debts or other obligations
- if you (or, in the event you do not, we) choose a mutual fund for your core account investment vehicle ("core account"), to authorize liquidating shares of that account to satisfy any and all debits against your account
- to use the account and its features according to this agreement
- if you (or, in the event you do not, we) choose a Bank Deposit Sweep Program for your core account investment vehicle, to authorize withdrawing the applicable balance in your Bank Deposit Sweep Program to satisfy any and all debits in your account
- to let us or NFS monitor and/or record any phone conversations with you
- to let us or NFS verify the information you provide and obtain credit reports and other credit-related information about you at any time, such as payment and employment information (whether for margin or any other purpose)
- to let us or NFS share with third parties any information you provide, but only as required by law or as permitted by our and/or NFS's privacy policy
- to resolve disputes concerning your relationship with us or NFS (other than class actions) through arbitration rather than in a court of law
- to understand that, whenever you invest in, or exchange into, any
 mutual fund (including any fund chosen for your core account), you
 are responsible for obtaining and reading that fund's prospectus,
 including its description of the fund, the fund's fees and charges, and
 the operation of the fund

- to understand that whenever you invest in or have funds transferred to any Bank Deposit Sweep Program, you are responsible for obtaining and reading that Bank Deposit Sweep Program's disclosure document, including:
 - the description of the Bank Deposit Sweep Program;
 - the list of eligible banks and process by which deposits will be made for a Bank Deposit Sweep Program, which list and process may change from time to time;
 - the Bank Deposit Sweep Program's fees and charges; and
 - the different protections and terms that may apply to investments in shares of a mutual fund and deposits of funds into a Bank Deposit Sweep Program, including the differences between Securities Investor Protection Corporation ("SIPC") protection and Federal Deposit Insurance Corporation ("FDIC") insurance
- to determine if any funds transferred to an account at a bank in the Bank Deposit Sweep Program and any separate bank accounts held at that same bank will affect FDIC insurance coverage for all your funds held at that bank
- to notify us in writing any time there is a material change in your financial circumstances or investment objectives
- to comply with all applicable laws and regulations concerning trading in restricted securities and securities of issuers of whom you are an affiliate
- to be bound by the current and future terms of this agreement, from the time you first use your account or sign your application, whichever happens first
- to understand that we or NFS can change the core account investment vehicles available for your account at any time, including changing the core account investment vehicle from a mutual fund to a bank deposit account
- to understand that NFS has the right to reject any transaction for any reason

Account Features

Core Account and Income Account

Your account includes a core account that is used for settling transactions and holding credit balances. Amounts credited to your core account will be invested in the core account investment vehicle you indicate on your account application. You understand that if you do not select a core account investment vehicle, or if you are or become a non-U.S. customer with a free credit balance who then returns to the U.S., you authorize us or NFS to use the default option as the core account investment vehicle. This will either be a specific money market mutual fund, in which event we will provide the prospectus for that fund, or a bank sweep product, in which event we will provide a disclosure document describing that product in detail.

If you become a non-U.S. customer and you are no longer eligible to invest in your current core account, note that the sweep to your core account will be suspended. Should NFS determine you no longer are a non-U.S. customer, this suspension will be lifted, and any free credit balance will resume being swept to your core account investment vehicle that had been suspended (or, if that core account investment vehicle is not available, a default core account investment vehicle) and on a going-forward basis your account will operate as otherwise described in your customer agreement or any amendments thereto.

Different core account investment vehicles may have different rates of return and different terms and conditions, such as FDIC insurance or SIPC protection. If you do not select a core account investment vehicle, your Broker/Dealer or NFS may not consider these differences when selecting a default core account investment vehicle for you.

Your account also includes an income account, which receives all non-reinvested income produced by securities held in your account (such as interest, dividends, and mutual fund distributions). Income paid into this account will accrue until paid out according to your instructions.

If the core account designated in your brokerage account becomes unavailable at any time for any reason, or if your core account is a money market fund that imposes a fee or gate, you authorize your Broker/Dealer and/or its agent to select an alternative core account in its (their) discretion. In this event, any or all of the credit balance in your account may be placed into the alternative core account at any time.

By signing the Brokerage Account Application, you represent that you have read this Brokerage Account Customer Agreement and understand, authorize and consent to your Broker/Dealer and/or its agent changing your core account investment vehicle at its discretion, at any time and for any reason to another money market mutual fund, a free credit balance position, or another cash investment vehicle, if available. You agree to hold NFS, your Broker/Dealer and/or their agents harmless for any actions taken in connection with or resulting from changing your core account investment vehicle, including but not limited to, any changes in the rate of return offered by the alternative core account investment vehicle that your Broker/Dealer and/or its agent selects for you.

Bank Deposit Sweep Program

If you (or, in the event you do not, we) choose a Bank Deposit Sweep Program as your core account investment vehicle, cash balances in your Account will be automatically swept into interest-bearing deposit accounts at one or more federally insured banking institutions that are participating in the Bank Deposit Sweep Program (each, a "Bank") as more fully described in the Disclosure Document. Your cash balances held at each Bank will be eligible for FDIC insurance up to \$250,000 (principal plus accrued interest) per depositor in each insurable capacity (i.e., individual, joint, etc.) per Bank, in accordance with applicable FDIC rules. All deposits (for example, deposits you may make at the Bank outside of the Bank Deposit Sweep Program plus the Bank Deposit Sweep Program cash balance) held by an individual in the same right and legal capacity and at the same Bank are insured up to \$250,000 as described above. Joint accounts owned by two individuals are insured up to \$250,000 as described above for each co-owner (again, in the aggregate for all joint account Bank Deposit Sweep Program and non-Bank Deposit Sweep Program joint account balances) at each Bank. Special rules apply to insurance of trust deposits. The amount of FDIC coverage will be limited by the number of Banks in the Bank Deposit Sweep Program, the number of Banks in which your money is deposited, and other factors as more fully described in the Bank Deposit Sweep Program disclosure document. All FDIC insurance coverage is in accordance with FDIC rules.

Neither NFS nor your Broker/Dealer will monitor the total amount of your Bank Deposit Sweep Program and other balances at each Bank to determine whether it exceeds the limit of applicable FDIC insurance. You are responsible for monitoring the total amount of your assets on deposit with each Bank (including accounts at each Bank held in the same right and legal capacity) in order to determine the extent of FDIC insurance coverage available to you on those deposits, including your Bank Deposit Sweep Program balance held at each Bank. If you are a trustee or other fiduciary, you are responsible for determining the application of the insurance rules for the account and its beneficiaries. Information on account protection is set forth below. If your Broker/Dealer selects a Bank Deposit Sweep Program as its default core account investment vehicle, you may not be able to opt out of all of the Banks in the Program.

Refer to your Bank Deposit Sweep Program disclosure document for more information on FDIC insurance coverage. You may also contact your Investment Representative with any questions you may have about the Bank Deposit Sweep Program.

Statements

NFS will send to the address of record a statement of account:

- every calendar quarter, at a minimum
- for any month when you have trading or cash management activity Your account statements will show all activity in your account for the stated period, including securities transactions, cash and margin balances, credits and debits to your core account, and all fees paid directly from your account.

NFS will also send confirmation for every securities transaction in your account. The only exceptions are automatic investments, automatic withdrawals, dividend reinvestments, transfers to other accounts, and transactions that involve only your core account; for these activities, your regular account statement serves in place of a confirmation.

Money Market Fund Same-Day Trading and Settlement Program

You agree that your use of the Money Market Fund Same-Day Trading and Settlement Program (SDS) is governed by the terms and conditions in this section. You understand and acknowledge that: (1) SDS purchase trades (buy orders) are funded by cash wired into your account on the day you place an SDS purchase trade (buy), (2) you cannot use the available balance in your core account to fund an SDS purchase trade, (3) cash wired into your account and not used that day will settle overnight into your core account and becomes ineligible to fund SDS purchase trades, (4) NFS may cancel any purchase trade if you have not wired cash into your account by the last transmission intervals available for the SDS fund you want to buy, (5) transmission intervals are determined by NFS and the applicable fund company at their discretion, (6) sale/redemption (sell order) proceeds will not be released to you until the wire is received by NFS, (7) all orders must be placed during trading hours; overnight orders will not be accepted, (8) once an order has been transmitted to the fund company by NFS, it cannot be canceled, and (9) retirement accounts are not eligible for this program.

Account Protection

Securities in accounts carried by NFS are protected in accordance with the Securities Investor Protection Corporation ("SIPC") up to \$500,000. The \$500,000 total amount of SIPC protection is inclusive of up to \$250,000 protection for claims for cash, subject to periodic adjustments for inflation in accordance with terms of the SIPC statute and approval by SIPC's Board of Directors. NFS also has arranged for coverage above these limits. Neither coverage protects against a decline in the market value of securities, nor does either coverage extend to certain securities that are considered ineligible for coverage. For more details on SIPC, or to request a SIPC brochure, visit www.sipc.org or call 202-371-8300.

Transferring Money Electronically

Options for transferring cash in and out of your core account electronically include wires, which use the Federal Reserve wire system, and electronic funds transfers (EFTs), which work like an electronic check. These features are optional and require separate instructions from you, which we will relay to NFS.

Dividend Reinvestment

In addition to reinvestment of mutual fund dividends, reinvestment of dividends from eligible equities and closed-end funds is an option for most accounts, including retirement accounts and those with margin. You can choose to have the service apply to all eligible securities in your account, or only to certain ones, although during the time when a security is enrolled for reinvestment, all of that security's eligible distributions must be reinvested through this service.

With certain securities (such as mutual funds), the reinvestment options available in this account may be different than those you would have if you were to invest directly with the issuer.

Margin Account (Requires separate Application)

A margin account lets you borrow money from NFS, using as collateral eligible securities that are in your account. A margin account is designed primarily to finance additional purchases of securities, although it can also provide overdraft protection for your cash management activities.

Margin privileges on a Non-Prototype Plan Account or IRA may be limited to purchasing or selling securities. Securities purchased on margin may be considered "debt-financed property" and subject to unrelated business taxable income (UBTI). Any filing or taxes due, including UBTI, are the responsibility of the plan's trustee or IRA custodian.

Non-Purpose Loans are not permitted on Non-Prototype Plan or IRA

Consult one of our representatives for information on how to establish margin and the benefits and risks it offers.

Account Registration

Joint Registration

With joint registration accounts, any obligations or liabilities resulting from one account owner's actions are joint and several (in other words, are the responsibility of each account owner, both individually and jointly). We or NFS may enforce this agreement against all account owners or against any owner individually.

Each owner of a joint account may act as if he or she were the sole owner of the account, with no further notice or approval necessary from any joint owner. For example, a joint owner can — in his or her own name — write checks, buy and sell securities, withdraw or transfer assets, borrow against the account (such as through short sales or margin), arrange for account statements to be sent only to them, or change the account's features and services (although no account owner may remove another's name from the account).

In addition, with joint accounts, the principle of "notice to one is notice to all" applies. We or NFS are legally considered to have fulfilled an obligation to you and the account if we fulfill it with respect to just one account owner (for example, sending statements or other required communications to just one account owner).

Note also that neither we nor NFS have any obligation to question the purpose or propriety of any instruction of a joint account owner that appears to be authentic, or to let other owners know about any changes an owner has made to the account, unless we have received written notice to the contrary, in good order, from another account owner. We and NFS do each reserve the right to require, at any time, the written consent of all account owners before acting on an instruction from any account owner, but we or NFS will use this right only at our own discretion and for our own protection.

Laws covering joint or community property vary by state. You are responsible for verifying that the joint registration you choose is valid in your state. You may want to consult your lawyer about this. Generally, for joint tenants with rights of survivorship and tenants by the entirety, on the death of an account owner the entire interest in the account goes to the surviving account owner(s), on the same terms and conditions. For tenants in common, a deceased account owner's interest (which equals that of the other account owner(s) unless specified otherwise) goes to that account owner's legal representative. Tenants in common are responsible for maintaining records of the percentages of ownership.

Transfer on Death Registration

With transfer on death ("TOD") registration, you designate a beneficiary or beneficiaries who will receive all monies, securities, or other assets held in your account at the time of your death (or upon the death of the last surviving account holder, if this is a joint account).

You can change your beneficiary designation at any time by filling out a new Beneficiary Designation form. We will rely on the latest Beneficiary Designation in our possession. You cannot change your beneficiary by will, codicil, or trust or other testamentary document. If we consider it necessary, we may request additional documents from any beneficiaries before we transfer assets to them from your account. Note that although NFS may hold in a nominee name securities that are in a TOD account, NFS has no responsibility to determine the registration or ownership of the account as a whole, either before or after your death.

Note that Per Stirpes designation rules may vary from state to state. It is your responsibility to consult with an estate-planning attorney to determine whether this designation is available and/or appropriate. By checking the Per Stirpes box associated with a given beneficiary, you are agreeing that if that beneficiary predeceases you, his or her share of the account will pass through to his or her descendants as determined by state law.

If more than one person is named and no share percentages are indicated, payment will be made, in equal shares, to your primary beneficiary or beneficiaries who survive you. If a percentage is indicated for a primary beneficiary who does not survive you, and if you have not checked the Per Stirpes box, the percentage of that beneficiary's designated share will be divided equally among the surviving primary beneficiaries. If there is no primary beneficiary living at the time of your death, you hereby specify that the balance is to be distributed to the contingent beneficiary or beneficiaries listed.

Neither we nor NFS will advise you on whether TOD registration is appropriate for your tax or estate-planning purposes. Registering a securities account in TOD form is legal only in certain states, so it is important to consult your own legal or tax advisor before establishing or revoking a TOD registration.

Custodial Registration

For accounts opened under the Uniform Gifts/Transfers to Minors Acts, you, the account owner, are the custodian. By opening this type of account, you agree that all assets belong to the minor and that you will only use them for the minor's benefit — even after the assets have been removed from the account.

Plan Registration

Trustee is responsible with regard to the administration of the retirement plan including its obligations to follow the governing plan document.

National Financial Services LLC ("NFS") is not responsible for any tax filing on behalf of your plan or IRA. The plan trustee or IRA Custodian will be responsible for additional reporting, tax filing, and disclosures required on this account.

NFS does not perform any disclosures and/or filings on behalf of the plan.

For plan accounts, note that NFS in its capacity as a clearing firm may not be providing all the necessary information required for your plan's trustee to complete these additional filings and disclosures.

Investment Objectives

Below are five common investment objectives. As the account owner, it is up to you to select the account's investment objective. Neither we nor NFS can assure you that any given investment or strategy will achieve your investment objective. Note that the typical investments listed are only examples of the types of investments historically associated with each objective. Also note that the options strategies listed under "Trading Profits" and "Speculation" require margin (which requires a separate application and is not available on retirement accounts).

Preservation of Capital

- seek to maintain principal
- interested in investments with very low historical risk of loss of principal

Typical Investments

- money market funds
- high-quality short-term fixed-income investments

Income

- seek to generate income from investments
- interested in investments with low historical risk of loss of principal Typical Investments
- high-quality short- and medium-term fixed-income investments
- short-term bond funds
- covered call options

Capital Appreciation

- seek to grow principal value over time
- willing to invest in securities with moderate to above-average historical risk of loss of principal

Typical Investments

- common stocks
- lower-quality medium-term fixed-income investments
- equity mutual funds or index funds

Speculation

- seek a significant increase in principal
- willing to accept a correspondingly greater degree of risk by investing in securities with high historical risk of loss of principal

Typical Investments

- lower-quality long-term fixed-income investments
- initial public offerings (IPOs)
- volatile or low-priced common stocks

- equity or index options strategies such as puts or calls, spreads, straddles, and combinations
- short-term or day-trading strategies

Trading Profits

 seek to take advantage of short-term trading opportunities (a highrisk strategy)

Typical Investments

- short-term purchases and sales of volatile or low-priced common stocks
- equity or index options strategies such as puts or calls, spreads, straddles, and combinations

Growth and Income

- seek a mix of growing principal value and generating income from investments
- willing to invest in securities with moderate historical risk of loss of principal while having the potential to pay income

Typical Investments

- · common stocks
- medium-term fixed-income investments
- · growth and Income mutual funds

Policies on Transactions

Credits to Your Account

During normal business hours ("Intra-day"), activity in your account such as deposits and the receipt of settlement proceeds are credited to your account versus any of your debit obligations and may be held as a net free credit balance (the "Intra-day Free Credit Balance"). If you utilize a money market fund as your core position, the Intra-day Free Credit Balance, if any, generated by such activity occurring prior to the market close each business day (or 4:00 PM ET on business days when the market is closed and the Fedwire Funds Service is operating) is automatically swept into your core account, where it is handled as described in this Agreement, except as otherwise noted therein. If you utilize an option other than a money market fund as your core position, the Intra-day Free Credit Balance, if any, generated by such activity occurring prior to Fidelity's nightly processing cycle is automatically swept into your core account, where it is handled as described in t this Agreement, except as otherwise noted herein.

Activity in your account such as deposits and the receipt of settlement proceeds may also occur after the cut-offs described above, or on days the market is not open and the Fedwire Funds Service is not operating (collectively "After-hours"). Those amounts are credited to your account and may be held as a free credit balance (the "After-hours Free Credit Balance") and your net free credit amounts will be included in the next core sweep.

If you utilize a Fidelity money market mutual fund as your core position, there will be an additional automatic sweep into your core account early in the morning prior to the start of business on each business day. This sweep will include your After-hours Free Credit Balance along with credit amounts attributed to certain actual or anticipated transactions that would otherwise generate an Intra-day Free Credit Balance on such business day.

Like any free credit balance, the Intra-day and After-hours Free Credit Balances represent amounts payable to you on demand by Fidelity. Subject to applicable law, Fidelity may use these free credit balances in connection with its business. Fidelity may, but is not required to, pay interest on free credit balances held in your account overnight; provided that the accrued interest for a given day is at least half a cent. Interest, if paid, will be based upon a schedule set by Fidelity, which may change from time to time at Fidelity's sole discretion.

Interest paid on a free credit balances will be labeled "Credit Interest" in the Investment Activity section of your account statement. Interest is calculated on a periodic basis and credited to your account on the next business day after the end of the period. This period typically runs from approximately the 20th day of one month to the 20th day of the next month, provided, however, that the beginning and ending periods each year run, respectively, from the 1st of the year to approximately the 20th of January, and approximately the 20th of December to the end of the year. Interest is calculated by multiplying your average overnight

free credit balance during the period by the applicable interest rate, provided, however, that if more than one interest rate is applicable during the period, this calculation will be modified to account for the number of days each period during which each interest rate is applicable.

Each check or Automated Clearing House deposit (ACH) deposited is promptly credited to your account. However, the money may not be available to use until up to six business days later, and NFS may decline to honor any debit that is applied against the money before the deposited check or ACH has cleared. If a deposited check or ACH does not clear, the deposit will be removed from your account, and you are responsible for returning any interest you received on it. Note that NFS only can accept checks denominated in U.S. dollars and drawn on a U.S. bank account (including a U.S. branch of a foreign bank). In addition, if NFS has reason to believe that assets were incorrectly credited to your account, NFS may restrict such assets and/or return such assets to the account from which they were transferred.

Debits to Your Account

Deferred debit card charges are debited monthly. All other debit items (including checks, debit card transactions, bill payments, securities purchases, electronic transfers of money, levies, court orders or other legal process payments) are paid daily to the extent that sufficient funds are available. Note that debits to resolve securities transactions (including margin calls) will be given priority over other debits, such as checks or debit card transactions.

As an account owner, you are responsible for satisfying all debits in your account, including any debit balance outstanding after all assets have been removed from an account, any margin interest (at prevailing margin rates) that has accrued on that debit and any costs (such as legal fees) that Fidelity incurs collecting the debit. You are responsible for ensuring that checks issued to you representing distributions from your account are promptly presented for payment. If a check issued to you from your account remains uncashed and outstanding for at least six months, you authorize and instruct NFS, in its sole discretion, to cancel the check and return the underlying proceeds to you by depositing the proceeds into your account.

To help ensure the proper discharge of debits, it is NFS' policy to do the following when settling debits against your account.

During normal business hours, activity in your account such as wire disbursements and bill payments are debited from your account.

If you utilize a money market fund as your core position and there are debits in your account generated by such activity occurring prior to the market close each business day (or 4:00 PM ET on business days when the market is closed and the Fedwire Funds Service is operating) your debits will be settled using the following sources, in this order:

- 1. any Intra-Day Free Credit Balances,
- 2. the core account,
- any shares of a Fidelity money market mutual fund held in the account that maintains a stable (i.e., \$1.00/share) net asset value and is not subject to a liquidity fee or similar fee or assessment, and
- 4. if you have a margin account, any margin surplus available, which will increase your margin balance

If you utilize an option other than a money market fund as your core position, and there are debits in your account generated by such activity occurring prior to NFS' nightly processing cycle your debits will be settled using the following sources, in this order:

- 1. any Intra-Day Free Credit Balances,
- 2. the core account,
- 3. any shares of a Fidelity money market mutual fund held in the account that maintains a stable (i.e., \$1.00/share) net asset value and is not subject to a liquidity fee or similar fee or assessment. (If you want to opt out of this source, please contact your Broker/Dealer),
- 4. if you have a margin account, any margin surplus available, which will increase your margin balance

If you utilize Fidelity money market mutual fund as your core position, there will be an additional automatic sweep early in the morning prior to the start of business on each business day, and debits associated with certain actual or anticipated transactions that would otherwise generate a debit in your account during the business day will be settled using the core account.

In addition to the foregoing, Fidelity may turn to the following sources to satisfy a debit balance in your account:

- any shares of a Fidelity money market fund held in another nonretirement account with the same registration (which you authorize us to sell for this purpose when you sign the application)
- any securities in any other account at NFS in which you have an interest

In the event you hold a money market mutual fund in your core account that is subject to a liquidity fee or redemption gate (as described in more detail in the fund's prospectus), upon notice to NFS by the fund that a liquidity fee or redemption gate has been imposed, NFS will remove the impacted fund from your core account and you will hold that fund as a non-core position in your account. Any future core transaction sweeps to the impacted money market mutual fund will cease and amounts in your account awaiting reinvestment will be held in a free credit balance as described in this agreement. The cash available and running collected balance in your account will be reduced by the amount of the value of the impacted money market mutual fund if the fund had been included in the cash available and running collected balance. Payment of debit items from your account will continue to be paid as described in this agreement, but NFS will only pay items from a money market fund that has imposed a liquidity fee as part of that payment process after the other sources are attempted. NFS and/or your Broker/Dealer will help facilitate the selection of a different core account.

In the event you hold a money market mutual fund in your account that is held outside of your core account that is subject to a liquidity fee or redemption gate (as described in more detail in the fund's prospectus), upon notice to NFS by the fund that a liquidity fee or redemption gate has been imposed, the cash available and running collective balance in your account will be reduced by the amount of the value of the impacted money market mutual fund. Payment of debit items from your account will continue to be paid as described in this agreement, but NFS will only pay items from a money market fund that has imposed a liquidity fee as part of that payment process after the other sources are attempted.

You acknowledge that if a money market mutual fund held in your account imposes a liquidity fee or redemption gate, the money market mutual fund may not provide NFS with much, if any, advance notice of such liquidity fee or redemption gate. As a result, you may not be notified of such liquidity fee or redemption gate when you submit a trade. However, as instructed by the fund (and disclosed in the fund prospectus), your trade will be subject to such liquidity fee or redemption gate, and it may be applied to your trade retroactively. Interest on any margin debt will accrue beginning the day credit is extended and is subject to the terms of the Supplemental Application for NFS Margin Account Privileges. Money market fund shares used to pay debits are redeemed at the NAV in effect at the time. For disclosures concerning money market funds, see "Money Market Fund Investments" later in this agreement.

Resolving Unpaid Debts or Other Obligations

If your available balance is not enough to satisfy a given debit, we and NFS reserve the right to take action as we see fit, including any of the following:

- decline to honor the debit, which may result in fees (such as a returned check fee) or other consequences for you
- if you have a margin account and the unsatisfied debit is for a securities purchase, draw on the available balance of another account of yours that we hold

If you have a margin account, we or NFS may transfer to that account any unresolved debit from other accounts of yours.

Note that at any time, we or NFS may reduce your available balance based on obligations that have been incurred but not yet debited.

It is important to understand that we and NFS have additional choices for resolving unsatisfied obligations. Like many other securities brokers, we and NFS reserve the right to sell, transfer, or otherwise use any assets or other property in which you have an interest — either currently or at any other time — to discharge any obligations you may have to

us or NFS (including unmatured and contingent obligations), and to do so without further notice or demand. For example, if you have bought securities but not paid for them, we or NFS may sell them ourselves and use the proceeds to settle the purchase.

We or NFS may also use property to satisfy a margin deficiency or other obligation, whether or not we or NFS have made advances in connection with this property. This provision extends to any property held by you or carried for any account of yours, including any credit balances, assets, and contracts, as well as shares of any mutual funds or other investment companies for which we, NFS, or an affiliate of either one provides management or administrative services. Although we or NFS may use other methods when we determine they may be more appropriate, we or NFS reserve the right to use the provisions described in this section at any time, except in cases involving retirement accounts when these provisions would conflict with the Employee Retirement Income Security Act of 1974 (ERISA) or the Internal Revenue Code of 1986, both as amended.

When street name or bearer securities held for you are subject to a partial call or partial redemption by the issuer, NFS may or may not receive an allocation of called/redeemed securities by the issuer, transfer agent and/or depository. If NFS is allocated a portion of the called/redeemed securities, NFS utilizes an impartial lottery allocation system (the "Lottery Process"), in accordance with applicable rules, that randomly selects the securities within customer accounts that will be called/redeemed. NFS's allocations are not made on a pro rata basis and it is possible for you to receive a full or partial allocation, or no allocation. You have the right to withdraw uncalled fully paid securities at any time prior to the cutoff date and time established by the issuer, transfer agent and/or depository with respect to the partial call, and also to withdraw excess margin securities provided your account is not subject to restriction under Regulation T or such withdrawal will not cause an undermargined condition. A more detailed description of the Lottery Process may be accessed by visiting http://www.mybrokerageinfo.com and clicking on "Callable Securities Lottery." You may also request a hard copy of the Lottery Process by writing to National Financial Services LLC, P.O. Box 770001, Cincinnati, OH 45277.

Use of Funds Held Overnight

As compensation for services provided with respect to accounts, NFS receives use of: amounts from the sale of securities prior to settlement; amounts that are deposited in the accounts before investment; and disbursement amounts made by check prior to the check being cleared by the bank on which it was drawn. Any above amounts will first be netted against outstanding account obligations. The use of such amounts may generate earnings (or "float") for NFS or instead may be used by NFS to offset its other operational obligations. Information concerning the time frames during which NFS may have use of such amounts and rates at which float earnings are expected to accrue is provided as follows:

- (1) Receipts. Amounts that settle from the sale of securities or that are deposited into an account (by wire, check, EFT or other means) will generally be invested in the account's core account investment vehicle by close of business on the business day following NFS's receipt of such funds. NFS gets the use of such amounts from the time it receives funds until the core account purchase settles on the next business day. Note that amounts disbursed from an account (other than as referenced in Section (2) below) or purchases made in an account will result in a corresponding "cost" to NFS. This occurs because NFS provides funding for these disbursements or purchases one day prior to the receipt of funds from the account's core account.
 - These "costs" may reduce or eliminate any benefit that NFS derived from the receipts described previously.
- (2) Disbursements. NFS gets the use of amounts disbursed by check from accounts from the date the check is issued by NFS until the check is presented and paid.
- (3) Float Earnings. To the extent that such amounts generate float earnings, such earnings will generally be realized by NFS at rates approximating the Target Federal Funds Rate.

Transaction Settlement Deadlines

Unless notified to the contrary, you need to pay for all transactions by 2 p.m. Eastern Time on the settlement date, and deliver all securities in time for us to receive them one business day before the settlement date. We and NFS reserve the right to cancel or liquidate, at your risk, any transaction not settled in a timely way.

Bank Wires and EFT Transactions

Bank wire transfers to your bank are normally processed the same day, depending on the time received. A wire may be for between \$10,000 and \$999,999,999.99.

EFTs are normally completed within three business days of your request. Money deposited via EFT is normally not available for withdrawal for four to six business days. An EFT transfer may be for between \$10 and \$999,999,999.99. The two accounts involved in an EFT transaction must have at least one owner's name in common (and that name must match exactly).

For EFT transactions, you hereby grant us limited power of attorney for purposes of redeeming any shares in your accounts (with the right to make any necessary substitutions), and direct us to accept any orders to make payments to an authorized bank account and to fulfill these orders through the redemption of shares in your account. You agree that the above appointments and authorizations will continue until either the account is terminated, we receive written notice of any change, or we have sent 30 days' written notice to your account's address of record indicating that we will cease to act as agents to the above appointments.

Dividend Reinvestment

With this feature, all dividends paid by securities that you designate for reinvestment are automatically reinvested in additional shares of the same security. ("Dividends" here means cash dividends and capital gain distributions, but not cash-in-lieu payments, late ex-dividend payments, and special dividend payments.) In designating any security for reinvestment, you authorize NFS to purchase shares of that security for your account.

To be eligible for this feature, a security must satisfy all of the following:

- be a closed-end fund, domestic common stock, or ADR
- be margin-eligible (as defined by NFS)
- be held in street name by NFS (or at a securities depository on its behalf)
- not be held as a short position

Dividends are reinvested on shares that satisfy all of the following:

- the security is eligible
- you own the shares on the dividend record date
- you own the shares on the dividend payable date (or the posting date, for shares handled through the Depository Trust Company ("DTC") program described below), even if you sell them that day
- your position in the security has been settled on or before the record date
- the shares are designated for reinvestment as of 9:00 p.m. Eastern Time on the record date (or, if the record date is not a business day, then the last business day before the record date)

If you designate securities on an account-wide basis, any ineligible securities you own will automatically be designated if and when they become eliqible.

The reinvestment of dividends may be delayed in certain circumstances. NFS reserves the right to suspend or completely remove securities from participation in dividend reinvestment and credit such dividends in cash at any time without notice.

If you designate securities individually, and want to designate a new security you are buying, you can do so when you place your order to buy the security; however, if you are buying through a limit order, you will have to reconfirm the designation at the end of every business week that your order remains unfilled.

If an issuer delays a dividend, the reinvestment will occur on the day the dividend is actually paid.

Automatic reinvestments often involve purchase of partial shares, calculated to three decimal places. Partial shares pay pro-rated dividends and can be sold if you sell your entire share position, and will be liquidated automatically in transfers and certain other situations, but otherwise typically cannot be sold.

Although for dividend reinvestments your regular account statement takes the place of a confirmation, you can obtain immediate information the day after the reinvestment date by contacting us.

If you transfer or reregister your account with us (for example, by changing from individual to joint registration), you need to re-designate any securities whose dividends you want reinvested.

Optional Dividends

At times certain issuers that pay dividends may offer shareholders an opportunity to elect to receive stock or cash, or a combination of both. This is known as an "Optional Dividend." The issuer will assign a default if no instruction is received. For example, the default option could be cash, stock, or a combination of both. You have the opportunity up until the applicable deadline to make an election to receive the payment of their choice. Please be advised, if you do not make an election prior to the deadline, your account will be assigned a default election based on the dividend reinvestment program instructions you established with respect to your account. This default election will be utilized in lieu of the issuer's default option being applied to your account.

Depository Trust Company's (DTC) Dividend Reinvestment Program

At our option, we may buy reinvestment shares through a program offered by the Depository Trust Company ("DTC") that offers a share price discount of up to 5%. To find out which securities are currently available through the DTC, contact us. Note that the availability through this program of any given security may change without notice. Also note that DTC program transactions take longer to process: Although the transactions are effective as of the dividend payable date, they are generally not posted to your account until 10 to 15 days later. If you sell your dividend-generating shares before the posting date, the dividend will not be reinvested

To remove securities from the dividend reinvestment service, notify us in writing or during business hours. We must receive your notification by 9:00 p.m. Eastern Time one business day before the record date (or, if the record date is not a business day, then two business days before the record date).

Note that dividend reinvestment does not assure a profit on your investments and does not protect against loss in declining markets.

Precious Metals

Precious metals are not covered by SIPC account protection, but are insured by the depository at market value if stored through NFS. When trading precious metals, note that because they can experience sudden and rapid price changes, they are risky as investments, and you cannot be guaranteed an advantageous price when you trade them. If you take delivery of precious metals, delivery charges and sales and use taxes will apply. Precious metals are not marginable.

Monitoring Your Account

As an account owner, you are responsible for monitoring your account. This includes making sure that all transactions are accurate and that you are receiving confirmations, account statements, and any other expected communications. It also includes reviewing these documents to see that information about your account is accurate and contains nothing suspicious. You understand that NFS does not monitor your account for you and has no duty to advise you of any issue regarding your account or us.

If you have a Bank Deposit Sweep Program as your core account investment vehicle, you are responsible for monitoring the total amount of your assets on deposit with each Bank in the Bank Deposit Sweep Program (including amounts in other accounts at each Bank held in the same right and legal capacity) in order to determine the extent of deposit insurance coverage available to you. If you are a trustee or other fiduciary, you are responsible for determining the application of the insurance rules for the account and its beneficiaries.

So long as we or NFS send communications to you at the physical or electronic address of record given on the application, or to any other address given to us by an owner, the communications are legally presumed to have been delivered, whether you actually received them or not. In addition, confirmations are legally presumed to be accurate unless you specifically tell us otherwise within five days of when they were sent to you; account statements, within ten days.

If you have not received a communication you expected, or if you have a question or believe you have found an error in any communication from us, telephone us immediately, then follow up with written notice.

Limits of Responsibility

Although all entities that provide services to your account strive to ensure the quality and reliability of those services, neither we nor NFS can be responsible for the availability, accuracy, timeliness, completeness, or security of any service related to your account.

You therefore agree that we and NFS are not responsible for any losses (meaning claims, damages, actions, demands, investment losses, or other losses, as well as any costs, charges, attorneys' fees, or other fees and expenses) that you incur as a result of conditions beyond our control or any agreement between the parties. This includes, for example:

- any action that is done in accordance with the procedures described in this agreement or an applicable mutual fund or securities prospectus or Bank Deposit Sweep Program disclosure document or other investment description
- the acceptance and processing of any order placed on your account, whether received electronically or through other means, as long as the order reasonably appears to be authentic
- investment decisions or instructions placed in your account, or other such actions attributable to you or any authorized person
- occurrences related to governments or markets, such as restrictions, suspensions of trading, bank closures or bank regulatory, legal or other limitations or restrictions, or high market volatility or trading volumes
- uncontrollable circumstances in the world at large, such as wars, earthquakes, power outages, or unusual weather conditions
- occurrences related to computers and communications, such as a network or systems failure, a message interception, or an instance of unauthorized access or breach of security
- the storage and use of information about you and your account(s) by our systems and transmission of this information between you and us; these activities occur entirely at your risk
- telephone requests for money transfers, so long as we transmit the proceeds to you or the bank account number identified
- any checks or other debits to your account that are not honored because the account has insufficient funds

If any service failure is determined to be our responsibility, we will be liable only for whatever benefit you would have realized up to the time by which you should have notified us, as specified earlier in "Monitoring Your Account."

Indemnification

You agree to indemnify us from, and hold us harmless for, any losses (as defined in "Limits of Responsibility") resulting from your actions or failures to act, whether intentional or not, including losses resulting from actions taken by third parties.

Beyond taking reasonable steps to verify the authenticity of instructions, we have no obligation to inquire into the purpose, wisdom, or propriety of any instruction we receive.

Terms Concerning This Agreement

Applicability

This agreement is the only agreement between you and us concerning its subject matter, and covers all brokerage accounts that you, at whatever time, open, reopen, or have opened with us. In addition, if you have already entered into any agreements concerning services or features that relate to this account, or if you do so in the future, this agreement incorporates by reference the terms, conditions, and policies of those agreements. In the case of any conflict between this agreement and an agreement for a particular service or feature, the service or feature agreement will prevail.

Governing Laws and Policies

This agreement and its enforcement are governed by the laws of the Commonwealth of Massachusetts, except with respect to its conflicts-of-law provisions.

All transactions through NFS are subject to the rules, guidelines, and customs of the marketplace where they are executed, and those of any clearing facility NFS may use, as well as applicable state and federal laws and any NFS trading policies and limitations that are in effect at the time.

Modification and Enforcement

We may amend this agreement at any time. This may include changing, dropping, or adding fees and policies, changing features and services or the entities that provide them, and limiting the usage or availability of any feature or service, within the limits of applicable laws and regulations. Although it is our policy to send notice to account owners of any material changes, we are not obligated to do so in most cases. Outside of changes originating in these ways, no provision of this agreement can be amended or waived except in writing by one of our authorized representatives.

We or NFS may transfer our interests in this account or agreement to any of our successors and assigns, whether by merger, consolidation, or otherwise. You may not transfer your interests in your account or agreement except with our prior written approval, or through inheritance, corporate dissolution, or similar circumstance, as allowed by law, in which case any rights and obligations in existence at the time will accrue to, and be binding on, your heirs, executors, administrators, successors, or assigns.

We or NFS may enforce this agreement against any and all account owners. Although we or NFS may not always enforce certain provisions of this agreement, both parties retain the full right to do so at any time.

If any provision of this agreement is found to be in conflict with applicable laws, rules, or regulations, either present or future, that provision will be enforced to the maximum extent allowable, or made to conform, as the case may be. However, the remainder of this agreement will remain fully in effect.

If for any reason (such as the termination of a contract between us and NFS) your account is held directly by NFS, it may be restricted, and there may be new or different fees and commissions. Examples of restrictions include the ability to place sell orders only and the loss of electronic trading.

NFS may offset regulatory transaction or activity fees that are assessed by certain self-regulatory organizations or regulatory authorities against NFS ("Activity Assessment Fees"). You acknowledge that NFS has the right to determine such offset of Activity Assessment Fees in its sole and exclusive discretion and that such offset of Activity Assessment Fees may differ from or exceed the regulatory transaction or activity fees in connection with your transactions. Such differences may be caused by various factors including, among other things, the rounding methodology used by NFS, the use of allocation accounts, transactions or settlement movements for which a regulatory transaction or activity fee may not be assessed, differences between the dates of fee rate changes and various other reasons. You acknowledge that NFS has made no representation that Activity Assessment Fees assessed to you will equal the regulatory transaction fees assessed against NFS in respect of or resulting from your transactions.

Termination

We or NFS can terminate your account or this agreement at any time, for any reason, upon written notice to you. You can close your account, or terminate any optional feature, by notifying us in writing or calling us on a recorded line. When an account is closed, all debit cards, checkwriting, and other features associated with it are terminated.

Regardless of how or when your account is closed, you will remain responsible for all unpaid obligations of your account. This includes charges, debit items, or other transactions you initiated or authorized, whether arising before or after termination, as well as any fees incurred but not yet charged to your account. Payment for these obligations will be deducted from your final account balance.

Your account balance and certain uncashed checks issued from your account may be transferred to a state unclaimed property administrator if no activity occurs in the account or the check remains outstanding within the time period specified by the applicable state law.

Texas Residents only: In accordance with Texas House Bill 1454, you, as an account owner, may designate a representative for the purpose of receiving a due diligence notice. If you add a designated representative, NFS is required to mail the written notice upon presumption of abandonment to the representative, in addition to mailing the notice to you, the account owner.

In the event that we or NFS determine that the Bank Deposit Sweep Program is no longer an eligible core account investment vehicle, you authorize the withdrawal of your account balance from the Bank Deposit Sweep Program and agree that such funds may be invested in a different core account investment vehicle at the sole discretion of us or NFS. You understand and agree that the new core account investment vehicle (i) may not be a Bank Deposit Sweep Program, (ii) may not be eligible for FDIC insurance and (iii) may not provide the same interest rate and/ or rate of return as your previous core account investment vehicle. In the event of such occurrence, you may contact your Broker/Dealer for information on any such core account investment vehicle.

Notices and Disclosures

Account Administration

FINRA Rule 4311 requires that we identify the various account administration functions that we and NFS each agree to perform. Below is a summary of this information; for a more complete description, contact us

As your Broker/Dealer, we will:

- · open, approve, and monitor your brokerage account
- transmit accurate, timely instructions to NFS regarding your brokerage account
- determine the suitability of any investment recommendations and advice
- operate your brokerage account in compliance with applicable laws and regulations
- if you have a margin account, advise you of margin requirements and ensure that your account remains in compliance with all applicable federal, industry, and NFS margin requirements including, but not limited to, any additional requirements or limitations as a result of establishing an account for an employer-sponsored non-prototype plan or IRA
- maintain proper books and records of all services we perform for you At our direction, NFS will:
- execute, clear, and settle transactions that we process through them
- send you transaction confirmations and periodic brokerage account statements, if we don't do this ourselves
- act as custodian for all funds and securities they receive on your behalf
- carry out our instructions regarding the transactions, and the receipt and delivery of securities, on your brokerage account
- extend margin credit, if you have applied, and been approved, for margin borrowing

National Financial Services LLC, Member NYSE, SIPC

 maintain proper books and records of all services they perform in connection with your account

Note that NFS may not have verified certain pricing information that we or third parties provide to you. For more information on the allocation of services, speak with one of our representatives.

Non-Transferable Securities

In the event that any securities in your account become non-transferable, NFS may remove them from your account without further notice. Non-transferable securities are those where transfer agent services have not been available for six or more years. A lack of transfer agent services may be due to a number of reasons, including that the issuer of such securities may no longer be in business and may even be insolvent.

Note the following:

- There are no known markets for these securities.
- NFS is unable to deliver certificates to you representing these positions.
- These transactions will not appear on Form 1099 or any other tax reporting form.
- The removal of the position will not be reported as a taxable distribution and any reinstatement of the position will not be reported as a contribution.
- If transfer agent services become available sometime in the future, NFS will use its best efforts to have the position reinstated in your account
- Positions removed from your account will appear on your next available account statement following such removal as an "Expired" transaction.

By opening and maintaining an account with NFS, you consent to the actions as described above, and you waive any claims against your Broker/Dealer or NFS arising out of such actions. You also understand that your Broker/Dealer does not provide tax advice concerning your account or any securities that may be the subject of removal from or reinstatement into your account and you agree to consult with your tax advisor concerning any tax implications that may arise as a result of any of these circumstances.

Routing of Orders

Brokerage orders (including those generated by reinvested dividends) are routed through NFS, who in turn sends orders to various exchanges or market centers for execution. In deciding where to send an order, NFS looks at a number of factors, such as size of order, trading characteristics of the security, favorable execution prices (including the opportunity for price improvement), access to reliable market data, availability of efficient automated transaction processing, and execution cost. Some market centers may execute orders at prices superior to the publicly quoted market. Although you can give instructions with a written order (though not an order placed through any telephone, electronic, or online trading system) that the order be sent to a particular marketplace, NFS's order-routing policies are designed to result in transaction processing that is favorable for you.

Note that we and NFS may receive monetary payments or other consideration (such as financial credits or reciprocal business) for directing equity trades to particular broker/dealers or market centers for execution.

Credit-Related Information

For the name and address of any credit reporting agency from whom we or NFS has obtained information about you, send a written request to us or the card issuer, as applicable.

Money Market Fund Investments

You could lose money by investing in a money market fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

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Fidelity's government and U.S. Treasury money market funds will not impose a fee upon the sale of your shares, nor temporarily suspend your ability to sell shares if the fund's weekly liquid assets fall below 30% of its total assets because of market conditions or other factors.

Customer Identification Program Notice

To help the government fight financial crimes, Federal regulation requires your Broker/Dealer and us to obtain your name, date of birth, address, and a government-issued ID number before opening your account, and to verify the information. In certain circumstances, we may obtain and verify comparable information for any person authorized to make transactions in an account. Also, Federal regulation requires us to obtain and verify the beneficial owners and control persons of legal entity customers. Requiring the disclosure of key individuals who own or control a legal entity helps law enforcement investigate and prosecute crimes. Your account may be restricted or closed if we or your Broker/

Dealer cannot obtain and verify this information. We or your Broker/ Dealer will not be responsible for any losses or damages (including, but not limited to, lost opportunities) that may result if your account is restricted or closed.

NFS does not permit bearer-share entity accounts known to NFS on its platform. If it comes to NFS' attention that an entity account has issued or is permitted to issue bearer shares, NFS will restrict the account to permit liquidations only.

Pre-Dispute Arbitration Clause

This agreement contains a pre-dispute arbitration clause. Under this clause, which becomes binding on all parties when you sign your account application, You, your Broker/Dealer, and NFS agree as follows:

- A. 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.
- B. Arbitration awards are generally final and binding; a party's ability to have a court reverse or modify an arbitration award is very limited.
- C. The ability of the parties to obtain documents, witness statements, and other discovery is generally more limited in arbitration than in court proceedings.
- D. 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.
- E. The panel of arbitrators will typically include a minority of arbitrators who were or are affiliated with the securities industry.
- F. 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.
- G. The rules of the arbitration forum in which the claim is filed, and any amendments thereto, shall be incorporated into this agreement.

All controversies that may arise between me, my Broker/Dealer and NFS concerning any subject matter, issue or circumstance whatsoever (including, but not limited to, controversies concerning any account, order, distribution, rollover, advice

interaction or transaction, or the continuation, performance, interpretation or breach of this or any other agreement between me, my Broker/Dealer and NFS whether entered into or arising before, on or after the date this account is opened) shall be determined by arbitration in accordance with the rules then prevailing of the Financial Industry Regulatory Authority (FINRA) or any United States securities self-regulatory organization or United States securities exchange of which the person, entity or entities against whom the claim is made is a member, as I may designate. If I designate the rules of a United States self-regulatory organization or United States securities exchange and those rules fail to be applied for any reason, then I shall designate the prevailing rules of any other United States securities self-regulatory organization or United States securities exchange of which the person, entity or entities against whom the claim is made is a member. If I do not notify you in writing of my designation within five (5) days after such failure or after I receive from you a written demand for arbitration, then I authorize you and/or NFS to make such designation on my behalf. The designation of the rules of a United States self-regulatory organization or United States securities exchange is not integral to the underlying agreement to arbitrate. I understand that judgment upon any arbitration award may be entered in any court of competent jurisdiction.

No person shall bring a putative or certified class action to arbitration, nor seek to enforce any predispute 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; or (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.