

AMERIPRISE BROKERAGE CLIENT AGREEMENT

Terms and Conditions

This Ameriprise Brokerage Client Agreement contains account agreements and disclosures required to open a brokerage account (the "Agreement"). This Agreement may contain terms and conditions which apply to features you have not selected for your account or that are not available to you based on the ownership type of the account you open. You agree that you have read and understand the sections applicable to the account feature(s) you have selected. The terms and conditions in this Agreement will apply to any features that you add to this account in the future. You agree that any future amendments and/or modifications made to the Agreement shall apply to this account and to any subsequent accounts you ask us to establish for you in the future. You understand that account features or services may be provided by one or more financial institutions, which may or may not be affiliated with us, which we may select from time to time.

As used in this Agreement, the words "you", "your" and "yours" refer to the applicant, who is the person or entity to whom we address account statements, as well as any person or entity who agrees to be liable on the Account. "We", "our" and "us" mean Ameriprise Financial Services, LLC ("Introducing Broker" or "Ameriprise Financial") and/or American Enterprise Investment Services, Inc. ("Clearing Broker" or "AEIS"). Brokerage, investment and financial advisory services are made available through Ameriprise Financial Services, LLC.

Please read the documents titled "Other Important Brokerage Disclosures", the "Ameriprise Financial Schedule of Account and Service Fees", the "Ameriprise[®] Visa[®] Debit Card Agreement", the "Margin Agreement", the "Electronic Services Agreement", and the "Check-writing, Ameriprise Visa[®] Debit Card, and Online Bill Payment Terms of Service and provisions applicable to your Ameriprise ONE[®] Financial Account. These agreements and disclosures are incorporated herein by this reference. If there is any conflict between the terms of this Agreement and the Other Important Brokerage Disclosures or the Ameriprise Financial Schedule of Account and Service Fees, the terms of this Agreement will control. Also, attached to "Other Important Brokerage Disclosures," is an Appendix referred to as "Regulation Best Interest Disclosure." Please also carefully read this Appendix. This Regulation Best Interest Disclosure contains information about the scope of our relationship with you, the types of products and services we offer and the costs and fees associated with them, as well as conflicts of interest associated with recommendations we make to you. The Appendix is informational, does not contain any terms and conditions, is not a part of this Agreement and is not incorporated by reference.

IN CONSIDERATION OF AMERIPRISE FINANCIAL ACCEPTING YOUR BROKERAGE ACCOUNT, YOU AGREE TO THE FOLLOWING TERMS AND CONDITIONS WITH RESPECT TO ANY OF YOUR ACCOUNTS WITH US:

Article I: Services

General Information

1. Brokerage Authorization. You appoint us as your Broker for the purpose of carrying out your directions in accordance with the terms and conditions of this Agreement. To carry out our duties, you authorize us to open and close your brokerage accounts; place and cancel orders for you and take such other steps as are reasonable to carry out your directions. **You understand and agree that we may at our discretion and for our protection reject or cancel any order to purchase securities and other property.** For purposes of this Agreement, "securities and other property" shall include but not be limited to money, securities, and financial instruments of every kind and nature, and all contracts and options relating thereto, whether for present or future delivery. You authorize us and our affiliates to accept from an Ameriprise financial advisor or registered support staff telephone or online instructions for exchanges, funds transfers, redemptions, and surrenders.

Relationship of Introducing Broker and Clearing Broker: Your Introducing Broker and the Clearing Broker have an agreement in which the Introducing Broker introduces customer accounts to the Clearing Broker on a fully disclosed basis. This means that the Introducing Broker is responsible for opening and approving your account; knowing you and your stated investment objectives, any investment recommendations that may be provided to you, including the determination of whether particular kinds of securities or transactions may be appropriate for you, knowing the facts for the purchases and sales of securities in your account, and for accepting and entering securities orders with the Clearing Broker. The Clearing Broker is responsible for all order routing including execution and settlement of transactions under this Agreement, carrying your account, providing recordkeeping; delivering and receiving of securities and funds; receiving and distributing payments thereof; safeguarding all funds and securities received; preparing and distributing confirmations and periodic account statements to the extent required by applicable laws, rules, and regulations; and extending credit to you if you open a margin account. The Clearing Broker also receives and distributes dividends and other distributions and processes exchange offers, rights offerings, warrants, tender offers and redemptions.

2. Not a Bank. The Introducing Broker and Clearing Broker are not banks. Securities offered by us are not backed or guaranteed by any financial institution nor are they insured by the FDIC or any federal government agency. Investments in your brokerage account are subject to investment risk, including loss of principal, and may lose value. If you have an Ameriprise ONE[®] Financial Account, you understand that the check-writing, debit card and online bill payment features of your Ameriprise ONE[®] Financial Account are intended to afford you access to the assets in your brokerage accounts, and that your brokerage account is not a bank account.

3. Ameriprise ONE® Financial Account. The Ameriprise ONE® Financial Account offers integrated financial services through your brokerage account, as selected by you: (1) a check writing feature and/or a debit card with ATM functionality; and (2) an online bill payment service.

You may open an Ameriprise ONE® Financial Account if the ownership on the application is an eligible account registration type. Eligible Account Registration Types include: Individual, Community Property, Joint Tenants, Tenants in Common, Tenants by Entirety, Sole Proprietorship, Irrevocable and Revocable Trust. Not all features are available for all account ownership types. Note: authorized signers for entity ownerships must be able to act independently. We will use our processing bank when you access funds in your account with a check-writing redemption, debit/ATM card, and/or Online Bill Payment privileges.

Please review your Ameriprise® Visa® Debit Card Agreement, sent to you with your debit card, for additional information and disclosures related to your debit card.

If you select an Ameriprise ONE® Financial Account, you agree that the taxpayer information you certify to us shall be used for tax reporting by AEIS for your brokerage account.

If a fiduciary has been appointed on any of your accounts (e.g., a trustee, guardian, custodian, etc.), the fiduciary acknowledges and agrees that all disbursements from the Ameriprise ONE® Financial Account will be made for the benefit of the beneficial owner of the account, in accordance with the fiduciary's authority as outlined in applicable statutes in effect.

When an Ameriprise ONE® Financial Account is opened, we will establish a checking account to provide you with access to your cash via the ONE Account features you select. The Introducing Broker, its affiliates, and third parties engaged by the Introducing Broker expect to receive compensation for the services they provide.

4. Money Settlement Options. Ameriprise Financial may, but is not required to, offer you options for the automatic investment or "sweep," of excess cash in your account at Ameriprise Financial. Any cash balance held in your account will be held as a free credit balance until it is swept into your designated money settlement option. Cash held in your money settlement options are payable on demand. AEIS and its affiliates may, as part of the compensation for its services, receive the earnings from any uninvested amounts awaiting distribution. Such compensation may include overnight float income on uninvested cash with respect to payment processing. With respect to check processing, float is received from the time a check is processed until the check is cashed, or, with respect to uncashed checks, returned to an account. Cash deposited or received in your brokerage account is swept daily on the business day following the date of deposit and will be applied to the money settlement option you have designated or which has been made available to you. These money settlement options may include deposit accounts at one or more FDIC-insured depository institutions (including any bank that is our affiliate, such as, Ameriprise Bank FSB), money market mutual funds, or as a free credit balance, such as Ameriprise Cash. Ameriprise Financial may establish and may from time to time change eligibility requirements for the money settlement options it makes available to you. In addition, we may, in our discretion, pay interest on any free credit in your account. You agree that the cash balances in your account are maintained for securities investment purposes and not solely for the purpose of receiving interest income.

You understand that as part of the services provided to your account and pursuant to contractual agreements, we may receive remuneration based on the cash balance in your money settlement option. This remuneration is part of revenue sharing or other agreements which allow us to earn income and defray expenses relating to the management of the money settlement process. If your money settlement option is Ameriprise Cash or other free credit balance, you understand that your cash balances are held unsegregated and, subject to limitations and restrictions of SEC Rule 15c3-3, may be used by the Clearing Broker in the conduct of its business, for example to fund its margin lending. As such, your cash balances in Ameriprise Cash or other free credit balance provide the Clearing Broker with a lower-cost source of funds and thus contribute to its profitability.

You acknowledge that the money settlement options made available to you may offer a lower interest rate than alternative cash investment products made available through Ameriprise Financial. These alternatives include purchased money market mutual funds, certificates of deposit, and treasury securities. You should consider whether holding large cash balances in your money settlement account(s) is appropriate. The amount of cash you maintain in your money settlement option could result in more revenue to us and our affiliates than if you purchased other, higher-yielding cash alternatives available to you.

We reserve the right, at any time and upon notice to you as provided in this Agreement, to revise the money settlement options available for your account. This includes the right to limit, terminate or replace any particular money settlement option, or to stop paying interest on your cash balances. In the event we terminate or otherwise limit the availability of a money settlement option selected by you, or you no longer qualify for a particular money settlement option, you authorize us to liquidate your position in the terminated money settlement option and transfer the proceeds to an available alternative for which your account qualifies.

Brokerage 529 Plan Account Money Settlement: Cash balances in Ameriprise Brokerage 529 Plan accounts will be held as a free credit balance until a trade instruction is received to purchase shares offered by the 529 Plan. Free credit balances in Brokerage 529 Plan accounts do not earn interest. If you do not provide a trade instruction to purchase shares offered by the 529 Plan, any cash held as a free credit balance will, upon notification from us, be invested in the 529 Plan's money market portfolio or equivalent. Neither Ameriprise Financial nor your financial advisor will have any discretionary authority over the selection and timing of investments into the 529 Plan. You agree that you will immediately notify your financial advisor if you wish to exchange some, or all, of an investment in the 529 Plan's money market portfolio or equivalent into another investment option offered by the 529 Plan, subject to applicable rules and limitations for such exchanges.

5. Joint Accounts. Laws governing joint ownership of property vary from state to state. You acknowledge that you are responsible for verifying that the joint registration you and any joint account holder select is valid in your state. You agree to consult your tax or legal advisor for information about what form of ownership is appropriate for you.

Whether joint tenants or tenants-in-common, you agree that each joint account holder shall have full authority to act in all matters relating to this account, including: to purchase and sell securities (including short sales); to receive for the account money, securities and other property and to dispose of the same; to receive for the account confirmations, statements of account and agreements relating to these matters (including electronically), and to terminate, modify or waive any of the provisions thereof.

The liability of each joint account holder on the account shall be joint and several and shall be binding upon your heirs, successors and assigns. The survivor(s) will give us immediate notice of the death of any other joint account holder. We may, before or after receiving such notice, take such actions, to require such documents, retain such portion of and/or restrict transactions in the account as we may deem advisable to protect us against any tax, liability, penalty or loss under any present or future laws or otherwise. The estate of any of deceased joint account holder shall be liable, and each survivor shall be liable, jointly and severally, to us for any debt or loss in the joint account resulting from the completion of transactions initiated prior to our receipt of a written notice of such death or incurred in the liquidation of the account or the adjustment of the interests of the respective parties.

In the event of death of a Joint Tenant With Rights of Survivorship, the entire interest in the joint account shall be vested in the survivor(s) on the same terms and conditions as therefore held, without in any manner releasing the decedent's estate from any liability. In the event of the death of a Tenant in Common Without Right of Survivorship, the interests in the account shall be determined as of the close of business on the date of death of the decedent (or on the next business day).

6. Householding. We provide a service called "householding" where we use information concerning your household group's investment, bank accounts, insurance and annuity products to provide a consolidated financial statement. A primary household group may consist of an individual client, his or her spouse or domestic partner, and their unmarried children who reside at the same address. If an individual member of your household group enrolls in electronic delivery of your consolidated financial statement, we will provide notice the household has made this election and no longer send a statement by U.S. mail. You understand that important updates to agreements and disclosures may be included in your consolidated financial statement and will be delivered electronically if a member of your household elects to have your statement delivered in that fashion. Please contact the Customer Service Department at 800.862.7919 if you prefer to receive a statement covering only accounts that you own and not to participate in householding. In addition, we will deliver to clients who reside at the same address and who own the same security a single copy of certain shareholder documents, such as prospectuses, supplements, annual and semiannual reports and proxies. To modify your household arrangement, call 866.273.7429 and reference the client ID located on your statement. Multiple mailings will resume within 30 days of opting out.

7. Receipt of Communications. Communications by mail, electronic means, messenger, or otherwise sent to you at the U.S. postal or electronic mail address of record listed on the application or any other address you provide us are presumed to be delivered to and received by you, whether actually received or not. You hereby agree to waive to the extent permitted by law all claims resulting from failure to receive such communications.

8. Taxpayer Identification Number. Your Taxpayer Identification Number (TIN) is important. Your TIN is generally the Social Security or Employer Identification Number to be used for the account. The TIN must be certified under penalties of perjury on your application when you open an account at the Introducing Broker. If you don't provide the TIN, or the TIN you provide is incorrect, you could be subject to backup withholding of 24% of certain taxable distributions and proceeds from certain sales and exchanges. You also could be subject to backup withholding because you failed to report interest or dividends on your tax return as required by the Internal Revenue Service. See Form W-9, Request for Taxpayer Identification Number and Certification, for more information.

In addition, the Internal Revenue Service may assess the following penalties:

- A \$50 penalty for each failure to supply your correct TIN.
- A civil penalty of \$500 if you make a false statement that results in no backup withholding
- Criminal penalties for falsifying information

Special rules apply to non-resident aliens and foreign entities.

9. Account Valuation. We will determine the value of your account assets in good faith to reflect their estimated fair market value. Security values may be based on either closing prices on the last business day for which prices were available, published bids or offers on that day, bids or offers from dealers in securities on that day or valuation from other sources we deem reliable. You understand and acknowledge that we may rely on a third-party pricing service to make these valuation determinations. For annuities and insurance, the valuation may not reflect any applicable market value adjustments or surrender penalties. The valuation of a non-traded REIT, business development company, and other alternative investments is either the initial offering price, or an estimated value (both provided by the issuer, or in limited circumstances, provided by a third-party pricing agent). It is important to review the alternative investment's most recent annual report and other current periodic report for an explanation of the method by which the value was developed and the date of valuation. Alternative investments are not listed on a securities exchange, are generally illiquid, and even if you are able to sell the investment, the price you receive may be less than the per share estimated value provided in the account statement.

10. Fractional Shares and Principal Transactions. If you elect dividend reinvestment for your account, you are directing us to purchase shares on your behalf. When the dividend proceeds are used to purchase shares, the order will generally result in us purchasing a fractional share. Fractional shares are defined as less than one full share of an equity, preferred security, closed-end fund ("CEF"), unit investment trust ("UIT") and exchange-traded fund ("ETF"). Similarly, you understand that certain circumstances such as life events and corporate actions may result in you owning interests in fractional shares of these types of securities. Fractional share liquidations cannot be routed externally for execution and therefore, cannot be liquidated on an agency basis. Therefore, the liquidation of fractional shares of the applicable securities are executed in a principal capacity. When your sell orders for applicable securities that include fractional shares, you direct us to liquidate such fractional shares as a client-directed principal transaction. For the liquidation of whole shares, we will execute the transaction as agent, and we will execute the fractional portion of the share as principal and you will receive the same execution date and price for both the fractional and whole shares. You understand and agree that if you decide to sell or transfer the whole shares you own of a specific security that transacts in fractional shares, you are deemed to be directing us to liquidate the corresponding fractional shares. Under our policies, once we identify an equity, preferred security, CEF, UIT or ETF position in your account that is less than one whole share, we will liquidate the remaining fractional share in a principal capacity using the previous day's closing price.

11. Returned and Uncashed Checks; Unclaimed Property. Any check issued from your account shall be negotiable for a period of 180 days from the date of the check. If the check remains uncashed after that period of time, the check shall become null and void and the funds re-deposited into either the account against which the check was drawn or into another account of which the disbursing account owner(s) are also owner(s).

If no such account is available, the money will be submitted into Ameriprise's abandoned property process and may eventually be escheated to the appropriate state.

12. Location of Securities. You understand that securities may be held by another brokerage firm, bank or financial institution as custodian.

13. Applicable Rules and Regulations. Your account, and all transactions and activity in your account is subject to all applicable regulations of applicable federal, state, and self-regulatory agencies, including the U. S. Securities and Exchange Commission (SEC), Financial Industry Regulatory Authority (FINRA), the Board of Governors of the Federal Reserve System, and the constitution, rules and customs of the exchange or market (and its clearing house, if any) where executed.

14. SIPC Information. American Enterprise Investment Services, Inc. and Ameriprise Financial Services, LLC are each members of the Securities Investor Protection Corporation ("SIPC"). SIPC is a non-profit, membership corporation, created by the Securities Investor Protection Act of 1970, funded by its member securities brokerage firms. SIPC protects against the loss of customer securities and cash, up to a total of \$500,000, including up to \$250,000 on claims for cash, per customer in each separate capacity under SIPC rules. In addition, we may purchase excess SIPC coverage, which may vary from time to time.

If you have questions about SIPC coverage, please contact your financial advisor or visit our website at ameriprise.com. You may also obtain information about SIPC coverages, including a brochure that describes SIPC and SIPC insurance, by accessing the SIPC website at sipc.org or by calling 202.371.8300.

15. Order Execution. Orders are usually routed to the marketplace via our automated system. You acknowledge and agree that at AEIS's sole discretion, certain orders may be subject to manual review and routing, which may cause delays in the processing of those orders. You also acknowledge and agree that your order will receive the price at which it executes in the marketplace, which may be different from the price at which the security is quoted or trading when your order is entered into our system. With respect to transactions in mutual fund shares, you understand that such transactions will be effected at a price based on the net asset value next determined after receipt of your order by the fund or its authorized agent in accordance with the terms of the fund's prospectus and Statement of Additional Information.

AEIS has selected certain market makers to provide execution of OTC securities transactions that have agreed to accept orders transmitted electronically up to a specified size, and to execute them at or better than the national best bid or offer (NBBO). On larger orders, or if designated market makers do not make a market in the subject security, AEIS directly contacts market makers to obtain an execution or may utilize third party order routing algorithms. The designated market makers to whom orders are automatically routed, as well as the specific third-party order routing algorithm(s) and strategies utilized by the firm, are selected based on the consistently high quality of their OTC executions in one or more market segments and their ability to provide opportunities for executions at prices superior to the NBBO. If an order for an exchange listed equity security or listed option transaction is not immediately executable to a destination to which it is routed, the Clearing Broker may resubmit the order in the national marketplace using the various means available for price discovery.

You acknowledge and agree that we have the right to reject any transaction for your account where the transaction may be prevented from promptly settling due to acts or operations of any third-party clearing or settlement agency, such as the Depository Trust and Clearing Corporation (DTCC) or its affiliates.

Good 'Til Cancelled Order. Good 'Til Cancelled orders remain in force for the period specified on your transaction confirmation. At the end of the specified time, we will cancel the order, unless we have executed the transaction or you have canceled the order. If the order has not executed within the specified time and you wish to maintain the order, you or your advisor must place the order again.

16. Trading Limitations/Excessive Trading Activity. You agree that you will not use the brokerage account for excessive trading activity such as day trading, mutual fund trading in excess of prospectus limits, overuse of stop or limit orders, or excessive order splitting of the same stock on the same day.

The brokerage account is not intended for excessive trading activity. If you engage in excessive trading activity, as determined by Ameriprise Financial in its sole discretion, you may be subject to additional charges, restrictions, and/or termination of your account.

You further agree that you will not use this account as a securities broker-dealer, investment advisor, futures commission merchant, commodities introducing broker, or commodity trading advisor, member of a securities exchange or association or futures contract market, or an owner, partner or associated person of any of the foregoing.

17. Settlement. On each sale order other than a short sale, you represent that you own the security and, if the security is not in our possession at the time of the contract for sale, you agree to deliver the negotiable security to us by the settlement date. In the case of non-delivery of the security by settlement date, you authorize us to purchase the security to cover your position and to charge any loss to your account. It is further agreed that if we fail to receive payment for securities purchased for other services rendered to you or your account(s), we may sell securities held by us or our affiliates in any of your accounts sufficient to cover the amount owed, and you will be responsible for any loss resulting.

In accordance with industry rules, we are required to resolve all unresolved trade fails including the non-receipt of securities from other firms to settle your purchase transactions. With certain thinly held securities such as municipal bonds, we may be unable to receive or locate that security and we may need to cancel the original trade. In that event, we will attempt to identify a similar security consistent in price, quantity, quality, yield or cash proceeds to meet your needs.

18. Death, Divorce, Incompetence or Disability; Other Court Orders. We reserve the right to restrict access to your account(s) in the event of certain changes in ownership, such as the death of an account owner, divorce proceedings, the appointment of a guardian or conservator, or when we receive other court orders. You acknowledge and agree that we have the right, in our sole discretion, to restrict activity in an account for a reasonable period of time to investigate and/or verify the circumstances around a request to disburse or withdraw funds or securities and other property from your account(s). Such restrictions may include but are not limited to the ability to trade securities or other property, to access your cash balance, or to utilize your Ameriprise ONE[®] Financial Account features, if any.

In the event of your death, incompetence or disability, we may cancel or close any open orders for the purchase or sale of any securities or other property; we may place orders for the sale of securities or other property which we may be carrying for you and for which payment has not been made, or buy any securities or other property of which your accounts may be short, or any part thereof, under the same terms and conditions as herein stated as though you were alive and competent, without prior notice to your heirs, executors, beneficiaries, administrators, assigns, committee, or conservators and without prior demand upon any of them. You agree that your account shall be liable for the costs associated with the disposition of your account such as the completion of transactions initiated prior to our notice of death, the liquidation of the account, and any estate settlement fee outlined in the Ameriprise Schedule of Account and Service Fees.

19. Ambiguous instructions. If we receive communications or instructions relating to your account which are in our sole opinion incomplete, unclear, or conflicting, we, in our sole discretion and for our sole protection, may require other communications, instructions or information including written consent from any or all authorized persons, prior to acting upon the communications or instructions of any one authorized person. Pending receipt of any such other communications, instructions, or information, Ameriprise Financial shall not be liable to anyone for any loss resulting from any delay, action, or inaction on our part.

20. Periodic Reporting. We will send transaction confirmations and periodic account statements to you at your address of record or electronically to the secure site if you have requested electronic delivery. You agree that you will promptly review the transaction confirmations and periodic account statements that we send you. If you should find any inaccuracies or discrepancies on your transaction confirmations or periodic account statements, you agree that you will immediately report them to us. Any oral communications should be reconfirmed in writing to us.

You authorize us to send you a monthly or quarterly summary of all money market fund sweep activity tied to your brokerage account, as well as any systematic arrangements you have in place for mutual funds, in lieu of sending you confirmations for each transaction. While you will not receive separate confirmations for this activity, you can write us at the address listed in the paragraph titled "Notices" to receive additional information about any money market fund movement or systematic arrangement transactions.

21. Callable Securities. Bonds or preferred stock in street or bearer form may be callable by the issuer in full or in part. In the event you hold bonds or preferred stock that are partially called by the issuer, you agree to participate in the impartial lottery allocation system of the called securities in accordance with the provisions of the exchange on which the security trades and in compliance with industry rules. For further details about the allocation process please go to Ameriprise.com/callable-securities.

22. Class Actions. You understand that in the event you hold or once owned in this account, a security that has been certified by a court to be the subject of a class action lawsuit, you agree to participate in that class action. Subject to a 20% of the recovered amount retained by AEIS, a portion of which is provided to the class action service provider, any monetary distribution that is received as part of the court's order will be deposited into your account. Please contact the Customer Service Department at 800.862.7919 if you prefer to opt out of this service.

23. Restricted Stock. You understand that, in our sole discretion, we may accept or refuse securities subject to Rule 144 or Rule 145(d) of the Securities Act of 1933. You agree to advise us as to the status of any restricted securities eligible for sale under Rule 144 or 145 of the Securities Act of 1933, and to deliver the appropriate documentation to ensure clear legal transfer of such securities if they are to be sold. You agree to promptly provide to us documentation that we may request in connection with any transaction or activity relating to restricted securities. You understand that special handling for these transactions may take several weeks, during which time prices may fluctuate. You agree that we will have no responsibility for any losses incurred by delays during the transfer process.

24. Risk, Volatility and Market Conditions. You acknowledge that trading securities carries substantial risk; that securities markets can be volatile, and that investment losses may be substantial in a short period of time. You assume full responsibility for all of your investment decisions.

Equity, Exchange Traded Products (ETPs), and options markets may experience high trading volumes in a particular security or groups of securities, at the opening of the market or at any time during the trading day. High trading volumes may cause delays in execution, or executions at prices significantly away from any displayed quotations. Automated execution processes may be overridden during high volatility, including manual executions or reduction of order size guarantees. Orders you enter via electronic systems made available by us do not guarantee prompt processing or execution. Such orders may be subject to trading halts or delays during periods of extreme volatility. You are responsible for all orders you place to buy or sell securities in your account, whether you enter them directly via an electronic or other system, or through your advisor or our customer service representatives, including all "cancellation" or "replacement" orders.

Fixed income markets may experience conditions where it could be difficult for us to determine the prevailing market price for a fixed income security. These situations can occur due to a lack of liquidity, volatility in market prices due to ratings changes, significant changes in interest rates, or other, broad-based market events. We are under no obligation to provide liquidity (that is, to buy a security from or sell a security to you) under any market conditions.

In order to preserve the quality of execution of a customer order in a manner consistent with firm policy and industry regulation, we will, on a best efforts basis, furnish bids and offers only when a prevailing market price can reasonably be determined.

As such, when extreme market conditions exist, our order handling procedures will change as follows:

- Unlike normal market conditions, where the fixed income trading desk aggregates numerous bids prior to communicating the best bid to clients, in an extreme trading environment the fixed income trading desk will communicate bids to clients as they are received to provide transparency of the marketplace.
- Should a client attempt to sell a security at a price where the prevailing market price may be difficult to determine, we will confirm the client's intent to sell the security at an agreed price prior to the fixed income trading desk executing the order on behalf of the client on a best efforts basis.

These procedures will remain in place until market conditions return to normal, at which point our procedures revert to business as usual.

For specifics on our Order Handling procedures, please see the Order Handling Protocol page on the Secure Site where we provide and maintain specifics on different order handling practices.

Please see the "Market Volatility" section on ameriprise.com for more information. During extreme market conditions the Introducing Broker and the Clearing Broker and their respective officers, directors, employees, agents and affiliates will have no liability with respect to the execution quality of client-directed transactions in or for your account or for your investment decisions in a volatile market.

25. Investment Performance. The Introducing Broker and Clearing Broker cannot guarantee or project the performance of any security or investment. Your advisor will not review or monitor the day-to-day performance of your investments and will not execute any transaction without your prior direction.

Limitations

26. Legal, Tax, Accounting, or Fiduciary Advice. You acknowledge that the Introducing Broker and Clearing Broker will not provide you with any legal, tax, or accounting advice regarding any security or investment. You understand that you should consult your own tax advisor regarding tax consequences with respect to transactions in or for your account.

You understand and agree that we are not acting as a fiduciary when we provide you recommendations related to your brokerage account or with respect to commission-based products we offer and you agree that any advice you receive is not intended to serve as the primary basis for your investment decisions. You understand and agree we are not acting as a fiduciary when you decide to engage us for a new service, including with respect to your decision, or the decision of a plan participant, to roll over assets to an Ameriprise IRA. You understand and agree we are not acting as a fiduciary when you decide to move assets from one type of account held at Ameriprise Financial to another type of account (e.g., moving assets from a brokerage account to an advisory account).

27. Good Funds. Ameriprise Financial applies a "Good Funds" policy on deposits (ACH, Checks, Money orders) drawn against external financial services firms (i.e., banks, other broker-dealers, mutual fund companies, insurance companies, etc.). The policy includes a hold period, during which any request to transfer funds outside of Ameriprise Financial is not permitted. Requests to transfer funds internally to other Ameriprise Financial products are permitted during the hold period. Deposits subject to the Good Funds policy typically become available for withdrawal on the next business day following the hold period. Ameriprise Financial reserves the right to modify the hold period at its sole discretion. If you have further questions or wish to learn more about the policy please contact your advisor.

28. Termination of Account. You understand that your account may be terminated by you or us at any time in our discretion. Further, you understand that we may reserve the right to terminate your accounts if you fail to provide us a signed application or other information required in connection with opening or maintaining an account. Termination will result in the closing of your securities account(s) and the termination of all other features or privileges. When we close your account, if we are unable to transmit shares of your securities to another firm, you understand and hereby authorize us to liquidate the shares (including any fractional share) and issue a check to you at your last address as reflected on our records. If dividends or other income or payments are received for your account after it is closed, you authorize us to either a) transmit the payment to the firm to which your account was transferred, or b) issue a check to you at your last address as reflected on our records. If any payment is received in the form of shares and we are unable to transmit the shares to your account at another firm, you hereby authorize us to liquidate the shares and issue a check to you as described above. You understand that you remain responsible for all charges, debit items or other transactions initiated or authorized by you, whether arising before or after termination. Any payments received for your account after it is closed may be used to reduce any open debit balance in the account.

29. Survivability. The provisions of this Agreement governing arbitration, choice of law, liability, and confidentiality shall survive the termination of this Agreement.

30. Clients Outside of the United States: Our business activities are governed by various government agencies and self-regulatory organizations. Our ability to accept transactions may require us or our affiliates to be registered in the jurisdiction in which you are physically located at the time a transaction is entered. As a result, we may not be able to execute requested transaction(s) if you are living or traveling outside of the U.S at the time the transaction is requested. If you know you will be outside the United States for an extended period of time, we encourage you to appoint an attorney-in-fact with a U.S. address who can transact on your behalf while you are abroad. If you reside outside the U.S. you will be required to appoint an attorney-in-fact in the U.S. who can issue trading and other instructions and otherwise act on your behalf for your account(s). Failure to appoint a U.S. based attorney-in-fact may result in restrictions on your account. Please speak with your advisor for more information regarding specific circumstances and the potential impact on your accounts.

31. Extraordinary Events. We shall not be liable for loss caused directly or indirectly by government restrictions, exchange or market rulings, suspension of trading, war, strikes or other conditions beyond our control, including but not limited to computer, communication system or telephone failure, market volatility or trading volumes, delays in transmissions of orders due to failures of any communications or trading facilities or other such systems, or by the default or non-performance by any exchange, market, clearing organization, depository or other third party to us of its obligations in respect to any transactions or property in your account. However, nothing in this provision shall prevent a customer from bringing a proper claim in FINRA arbitration or an arbitration panel from issuing an award in accordance with applicable law.

Article II: Fees and Other Compensation

32. Account Fees and Charges, Security Interest. You understand and agree that your account(s) may be assessed recurring account maintenance or custodial fees as specified within this or other Agreements, product disclosures, fee schedules or applications. We may also assess transaction or order handling fees for transactions in your account(s). A transaction fee may be charged on redemptions of mutual fund shares bought with no transaction fee and held for less than 90 days. You acknowledge that you have received and read the Ameriprise Schedule of Account and Service Fees and agree to the fees currently in effect and as may be amended from time to time upon notice to you. Other incidental service fees may be applied.

We may assess transaction fees for excessive short-term trading in mutual fund shares. You agree to pay all brokerage commissions and other fees for transactions and services you receive. We reserve the right to assess on a pass-through basis any applicable fees or other charges incurred as a result of your investment, including depository and transfer agent custodial fees against your account. You also agree to pay all applicable state and local excise or other taxes. A fee schedule is available upon request or on our website.

You agree that all securities and other property carried or maintained by us in your non-qualified account or your non-qualified trade settlement account shall be subject to a general lien for the discharge of your obligations to us, and shall be held by us as security for the payment of any liability or indebtedness of you to us in any of your non-qualified accounts. Should any of your non-qualified accounts with us contain a negative balance due to an unpaid trade balance, delinquency in paying fees and/or any other charges, we shall have the right to liquidate assets in any of your non-qualified accounts without notice to you. We shall have the right to transfer securities and other property so held by us from or to any other of your non-qualified accounts whenever in our judgment we consider such a transfer necessary for our protection or due to an erroneous transfer. We are hereby authorized to sell and/or purchase any and all property in your non-qualified accounts without notice to you to satisfy such general lien.

In order to limit transaction costs associated with such liquidations, we reserve the right to liquidate a sufficient amount of securities in your

non-qualified account to cover a current fee assessment and up to one year's worth of anticipated recurring account maintenance fees, and to transfer the proceeds of such liquidations to your cash sweep account. Shares of any investment company securities in which you have an interest (other than such shares held in any qualified accounts) and for which we or an affiliate serve as investment adviser are also subject to a general lien for the discharge of your obligation (relating to a non-qualified account) to the Introducing Broker or the Clearing Broker. The Introducing Broker or the Clearing Broker may redeem any such shares to satisfy your obligation without further notice or demand. You acknowledge that we will not be liable for tax consequences, liabilities or penalties, if any, resulting from the liquidation of appreciated collateral to satisfy any indebtedness to us. Nothing in this section or any other section of this Agreement shall be construed to grant us any security interest or right of set-off as it relates to any qualified account you hold with us. Any liability or indebtedness to us that relates to a qualified account can only be satisfied from property held within such qualified account. Any liability or indebtedness to us that relates to a non-qualified account cannot be satisfied from property held within a qualified account. For these purposes, the term "qualified account" shall include any account subject to the prohibited transaction rules found under section 4975 of the Code or section 406 of ERISA (e.g. IRAs and ERISA governed retirement accounts).

33. Other Compensation. You understand and agree that AFS and AEIS may receive compensation from third parties. Please see the Other Important Brokerage Disclosure and the Regulation Best Interest Disclosure for more information.

Article III: Privacy and Security

34. Monitoring of Conversations and Activity. You understand and agree that any telephone conversation with us may be recorded and monitored for accuracy and quality assurance. You also understand that any electronic communication with us may be maintained or monitored as well. You understand and agree that we may track, monitor, and gather information from your activity on our website and your use of our electronic applications.

35. Password and Security. You are responsible for all payments and/or transactions initiated using any password or other means of access to your account. You agree not to give or make available your password or other means to access your account to any unauthorized individuals. If you permit another person(s) to use your password or other means to access your account, you are responsible for any transactions they initiate.

If you believe that your password or other means to access your account has been lost or stolen or that someone may attempt to use your password or other means to access your account without your consent or has transferred money without your permission, you must notify us immediately by calling Ameriprise Financial client service at 800.862.7919 during client service hours.

36. Disclosures of Account Information to Third Parties. It is our general policy to treat your account information as confidential. However, we will disclose to third parties information about your account or the transactions you make in the following situations:

- where it is necessary for completing, reconciling or otherwise documenting transactions
- where it is necessary for activating additional services
- in order to verify the existence and condition of your account to a third party, such as a credit bureau or Payee
- to a consumer reporting agency for research purposes only
- in order to comply with a court order, subpoena, garnishment, or other valid legal process, or otherwise to comply with any applicable state or federal law
- in order to comply with any applicable regulation or with any request by a regulatory authority with jurisdiction over our operations
- if you give your written permission

- if you, or an authorized person on the account, have identified yourself as an "associated person" (as defined by FINRA Rule 3210) and your or the authorized person's employer requests from us duplicate confirmations or alternative electronic reporting of your account activity
- where otherwise permitted by data protection laws

37. Vulnerable Client Program: Ameriprise Financial maintains a vulnerable client program. To assist in protecting our senior and vulnerable clients' property, interests, and securities, you acknowledge and agree that we have the right to freeze an account for a reasonable period of time to investigate and/or verify the circumstances around a request to disburse or withdraw funds, securities or other property from your account(s) which appears to be either out of character or inconsistent with previous account history or activity.

38. Credit Information. You authorize us to make inquiries for the purpose of verifying your creditworthiness and the creditworthiness of any joint account holder. Such inquiries may include verifying information you have provided in your new account application, contacting your employer(s) and obtaining credit reports or reviewing any of the foregoing for any legitimate business purpose deemed by us. Upon request, we will inform you of the name and address of each credit agency, if any, from which we obtained a credit report.

Article IV: Additional Important Contract Terms

39. Amendments. You agree that we shall have the right to amend this Agreement and any other document relating to your accounts with us, by modifying or rescinding any existing provisions or by adding any new provision. We may also add or amend disclosures related to your account from time to time. We may modify or change the terms and conditions of this Agreement or the material changes to information included in related disclosures and documents, as applicable by providing a written notice of the material modification or change or a new printed Agreement or other document to you at your address as reflected on the application or postal or electronic mail address you provide to us or, if you have agreed to use the electronic services provided by us, by posting such modifications or changes online. You agree that it is your obligation to promptly inform us of any change to your U.S. postal and/or electronic mail address(es) of record. Such written notice or posting of the amendment will include the effective date of the modification or change. No such amendment shall become effective prior to 30 days from the date of such notice unless required or otherwise permitted by law or regulation. Notwithstanding the prior sentence, we may make non-material changes to disclosures related to our programs and services without providing 30 days' advanced written notice to you. You agree that any future amendments and/or modifications made to the Ameriprise Brokerage Client Agreement shall apply to any existing account and to all future accounts.. The use of your account after the effective date of the proposed modification or change shall constitute your acknowledgement and agreement to be bound thereby.

You further acknowledge that we will notify you of updated disclosures for any material changes to our products and services as they change from time to time and you agree to promptly review notices of such updates. You may always access the current versions of your Agreement or the related disclosures at ameriprise.com/disclosures or by contacting your financial advisor.

This Agreement is not subject to any oral modification. This Agreement, along with the application(s) and any other documents you have signed, constitutes the entire Agreement between you and us.

This Agreement and its terms, as modified by us from time to time, shall be binding upon your heirs, successors, executors, beneficiaries, administrators and assigns.

40. Collections. You agree to pay the reasonable costs and expenses of collection of any debit balance and any unpaid deficiency in your accounts with us or any of our affiliates, including but not limited to attorney's fees incurred and payable by us. Notwithstanding the prior sentence, these reasonable costs and expenses shall be payable only

the extent permitted by the Employee Retirement Income Security Act of 1974, as amended, (ERISA), the Internal Revenue Code of 1986 (the "Code") (including the prohibited transaction rules under section 406 of ERISA or section 4975 of the Code) as applicable, and the laws of the State of Minnesota.

41. Governing Law. EXCEPT AS SET FORTH IN SECTION 43, THIS AGREEMENT AND ITS ENFORCEMENT SHALL BE GOVERNED BY THE LAWS OF THE STATE OF MINNESOTA WITHOUT GIVING EFFECT TO ITS CHOICE OF LAW OR CONFLICTS OF LAW PRINCIPLES, UNLESS SUPERSEDED BY FEDERAL LAW OR STATUTE; AND SHALL COVER INDIVIDUALLY AND COLLECTIVELY ALL BROKERAGE ACCOUNTS WHICH YOU MAY OPEN OR REOPEN WITH US, OR WHICH MAY BE INTRODUCED TO US, INCLUDING OUR SUBSIDIARIES AND AFFILIATES, THROUGH THE COURTESY OF THE AFOREMENTIONED INTRODUCING BROKER.

42. Assignment. You may not assign this Agreement to any other party. We may assign this Agreement to any future, directly or indirectly affiliated company. We may also assign or delegate certain rights and responsibilities under this Agreement to independent contractors or other third parties. This Agreement shall inure to the benefit of the successors and assigns of Ameriprise Financial, whether by merger, consolidation, or otherwise. Ameriprise Financial may transfer your account to its successors and assigns, and this Agreement shall continue to be binding on you, your heirs, executors, administrators and assigns.

43. This Agreement contains a predispute arbitration clause. Under this clause, which you agree to when you sign your account application, you and Ameriprise Financial (hereafter "parties") 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 may 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.

By reading and accepting the terms of this Agreement, you acknowledge that, in accordance with this Arbitration section, you agree in advance to arbitrate any controversies that may arise with Ameriprise Financial, AEIS, or any other affiliated broker-dealer entity (including but not limited to those related to your brokerage account and any service or advice provided by a broker or registered representative related to your brokerage account) as governed by the Federal Arbitration Act. You agree that all controversies that arise between us (including but not limited to those related to your brokerage account and any service or advice provided by a broker or representative), whether arising before, on or after the date you opened your Account, shall be determined by arbitration in accordance with the terms of this Agreement and the rules then prevailing of the Financial Industry Regulatory Authority. Any arbitration pursuant to this provision shall be conducted only before the Financial Industry Regulatory Authority, Inc.

Federal and state statutes of limitation, repose, and/or other rules, laws, or regulations can impose time limits for bringing claims in federal and state court actions and proceedings. The parties agree that, to the extent permitted by the relevant federal or state law relating to the claims, counts or causes of action pending or asserted in arbitration, the applicable federal or state statutes of limitation, repose, and/or other rules, laws, or regulations imposing time limits that would apply in federal or state court, shall apply to any dispute, claim or controversy brought under this Agreement, and such time limits are hereby incorporated by reference, and will be considered by the arbitrators. This provision is not intended to impact eligibility as governed by Rule 12206 of the FINRA Code of Arbitration Procedure for Customer Disputes.

You understand that judgment upon any arbitration award may be entered in any court of competent jurisdiction. The parties agree that venue and personal jurisdiction is proper in Minneapolis, Minnesota.

No person shall bring a putative or certified class action to arbitration, nor seek to enforce any pre-dispute arbitration agreement against any person who has initiated in court a putative class action; or who is member of a putative class who has not opted out of the class with respect to any claims encompassed by the putative class action until: (i) the class certification is denied; (ii) the class is decertified; or (iii) the customer is excluded from the class by the court. Such forbearance to enforce any agreement to arbitrate shall not constitute a waiver of any rights under this Agreement except to the extent stated herein.

44. Disputes. In the event of a dispute regarding the Account, you agree to resolve the dispute by looking to this Agreement. You agree that this Agreement is the complete and exclusive statement of the Agreement between us and you which supersedes any proposal or prior agreement, oral or written, and any other communications between us relating to the subject matter of this Agreement. If there is a conflict between what an agent or employee says and the terms of this Agreement, the terms of this Agreement will prevail.

45. Interpretation. The caption of each provision of this Agreement is for descriptive purposes only and shall not be deemed to modify or qualify any of the rights or obligations set forth in each such provision. As used in this Agreement, the singular shall include the plural where appropriate.

46. Severability. If any provision or condition of this Agreement shall be held to be invalid or unenforceable by any court, arbitrator, or regulatory or self-regulatory agency or body, such invalidity or unenforceability shall attach only to such provision or condition. The validity of the remaining provisions and conditions shall not be affected thereby and this Agreement shall be carried out as if any such invalid or unenforceable provision or condition was not contained herein.

47. No Waiver. We shall not be deemed to have waived any of our rights or remedies hereunder unless such waiver is in writing and is signed by a person specifically authorized by us to do so. No delay or omission on our part in exercising any rights or remedies shall operate as a waiver of such rights or remedies or any other rights or remedies. A waiver on any one occasion shall not be construed as a waiver or a bar against enforcement of any rights or remedies on future occasions.

48. Limited Warranty for Services Supported by Third Parties. THERE IS NO WARRANTY OF MERCHANTABILITY, NO WARRANTY OF FITNESS FOR A PARTICULAR USE, AND NO OTHER WARRANTY OF ANY KIND, EXPRESS OR IMPLIED REGARDING ANY ASPECT OF OUR SERVICES ASSOCIATED WITH INFORMATION ACCESS AND ORDER EXECUTION OFFERED THROUGH SYSTEMS SUPPORTED BY THIRD PARTIES. HOWEVER, NOTHING IN THIS PROVISION SHALL PREVENT A CUSTOMER FROM BRINGING A PROPER CLAIM IN FINRA ARBITRATION OR AN ARBITRATION PANEL FROM ISSUING AN AWARD IN ACCORDANCE WITH APPLICABLE LAW.

49. Limitations of Liability/Damages. YOU AGREE THAT IN NO EVENT WILL THE INTRODUCING BROKER, THE CLEARING BROKER, THE INFORMATION PROVIDERS, THE INFORMATION TRANSMITTERS OR THE SERVICE FACILITATORS BE LIABLE TO YOU OR ANYONE ELSE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES (INCLUDING BUT NOT LIMITED TO LOST PROFITS, TRADING LOSSES AND DAMAGES THAT RESULT FROM INCONVENIENCE, DELAY OR LOSS OF THE USE OF THE SERVICE), EVEN IF THE INTRODUCING BROKER, THE CLEARING BROKER, THE INFORMATION PROVIDERS, THE INFORMATION TRANSMITTERS OR THE SERVICE FACILITATORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSSES. YOU FURTHER AGREE THAT THE LIABILITY OF THE INTRODUCING BROKER, THE CLEARING BROKER, THE INFORMATION PROVIDERS, THE INFORMATION TRANSMITTERS AND THE SERVICE FACILITATORS ARISING OUT OF ANY KIND OF LEGAL CLAIM (WHETHER IN CONTRACT, TORT OR OTHERWISE) IN ANY WAY CONNECTED WITH THE SERVICE OR THE INFORMATION, WILL NOT EXCEED THE AMOUNT YOU ORIGINALLY PAID FOR THE SERVICE. FOR OUR SERVICES. HOWEVER, NOTHING IN THIS PROVISION SHALL PREVENT A CUSTOMER FROM BRINGING A PROPER CLAIM IN FINRA ARBITRATION OR AN ARBITRATION PANEL FROM ISSUING AN AWARD IN ACCORDANCE WITH APPLICABLE LAW.

50. Right to Interplead Your Account. Where a dispute arises as to the rightful ownership or distribution of account assets and the dispute cannot be resolved by the parties, at our discretion, we may initiate legal proceedings in a court of competent jurisdiction to interplead the account assets and deposit them with the court pending judicial resolution of the dispute. We reserve the right to seek from the accountholders(s) or their representatives reimbursement of any fees and costs we may incur as a result, including reasonable attorney fees.

51. DVP Account Instructions. If you open a Delivery versus Payment (DVP) account, you hereby agree as follows: (compare to DVP form)

- You will issue standing instructions to your receiving bank(s) to receive from or deliver to us any security pursuant to the procedures established by this Agreement. Specific instructions for each transaction must be in the possession of the agent bank(s) no later than one trade day after trade date.
- You or your agent(s) agree to receive securities against payment in an amount equal to an execution confirmed to you, which may represent only part of a larger order executed.
- You agree to instruct your agent(s) that, except for transactions that are to be settled outside of the United States, the facilities of a securities depository will be used for the confirmation, acknowledgement and book-entry settlement of depository-eligible transactions covered by applicable marketplace rules. 'Depository-eligible transactions' means transactions in securities that are eligible for deposit and book-entry transfer at a securities depository at the time of settlement of the transaction.
- We will transmit to you a confirmation of each transaction after the transaction has been effected. In addition, Ameriprise Financial may, at your request, transmit pertinent trade information in a form agreed upon on the day following execution of each DVP transaction. At your request, a duplicate information copy of each confirmation will simultaneously be sent to your agent bank(s). It is understood, however, that the sending of copies of confirmations to an agent bank constitutes an information service only, and does not relive you of your obligations under paragraph 1 above.
- You agree to instruct your agent bank(s) to receive or deliver the securities described on the confirmation, unless a discrepancy in the payment exceeds 2% of the money required for that delivery. You agree to resolve any such discrepancy directly, within a reasonable time after settlement.

- You agree that you have authorized all instructions issued and that we shall incur no liability in acting upon such instructions given concerning your Accounts. You understand that we, as your broker, will be acting as your agent.
- You are aware that in the event any good delivery to the designated bank is refused, we may be compelled to cancel or liquidate the transaction pursuant to the provisions of Regulation T of the Board of Governors of the Federal Reserve System. You shall be liable and agrees to promptly pay for any loss and costs resulting from such cancellation or liquidation.

Contacting Ameriprise Financial

Direct inquiries to the Introducing Firm (including a problem with, or a complaint about your financial advisor, or unauthorized activity in your account(s)): Ameriprise Financial Services, LLC, Service Delivery, 70100 Ameriprise Financial Center, Minneapolis, MN 55474-0507, 800.862.7919.

Direct inquiries to the Clearing Firm: American Enterprise Investment Services Inc., 70400 Ameriprise Financial Center, Minneapolis, MN 55474, 800.862.7919.

Margin Agreement

You acknowledge that you have carefully examined your financial resources, investment objectives, and tolerance for risk, along with the terms detailed below, and have determined that margin lending is appropriate for you. You understand that trading on margin involves your borrowing money or securities from us, that the extension of credit to you increases your financial exposure, and that your losses could exceed the value of your securities.

If you choose to open a margin account, in consideration of our accepting and carrying one or more brokerage accounts for you, you hereby consent and agree to the additional terms and conditions:

- 1. Representation.** You represent that with respect to securities and other property against which margin credit is or may be extended by us: (a) you are not the beneficial owner of more than three percent (3%) of the number of outstanding shares of any class of equity securities, and (b) do not control, are not controlled by and are not under common control with, the issuer of any such securities. In the event that any of the foregoing representations is inaccurate or becomes inaccurate, you will promptly so advise us in writing.
- 2. New Issue Margin Eligibility.** New issue securities, including mutual Funds must be purchased on a cash basis. After you have purchased and held newly issued securities for at least 30 days, they may be used as collateral in your margin account to buy additional securities and other property.
- 3. Liens and Additional Collateral.** You understand that any securities held in any of your non-qualified brokerage accounts with us may be used as collateral for any debit balances or any outstanding margin obligation in any of your accounts. A lien is created by such debits to secure the amount of money owed to us. We retain the right to require additional margin at any time we deem it necessary for our protection. These margin calls can be met by the prompt delivery of either cash or additional securities acceptable to us. In accordance with the terms of this Agreement, should the equity in your margin account fall below our minimum margin maintenance requirements, or if you fail to promptly meet any maintenance requirement, securities and other property in any of your non-qualified accounts may be sold, in our discretion, to reduce or satisfy your debit balance or any outstanding margin obligation. Such a sale could be a taxable event.

At present, our minimum maintenance requirement for stocks and mutual funds approved for margin is:

- 30% of current market value for securities priced at \$5.01 or more.
- 50% of current market value for securities priced at or below \$5/ share.
- 100% of current market value for securities below \$2/share.

As to our minimum requirements for other types of securities or transactions, you will contact the Clearing Broker.

The Clearing Broker reserves the right in its sole discretion, on a case by case basis, to change the maintenance requirements (which may be as high as 100%) or position limits that are applicable to a particular customer or group of customers or with respect to a particular security or group of securities. We shall have the right to transfer securities and other property held in non-qualified ownership from or to any other of your non-qualified accounts whenever in our judgment we consider such a transfer necessary for our protection. In enforcing our lien, we shall have the discretion to determine which securities and other property are to be sold and which contracts are to be closed.

All Ameriprise Financial clients with a margin account may receive what is called a "payment in lieu of dividends (PLD)" instead of a regular dividend payment on securities held in their margin account. PLDs are reported as ordinary income and are taxed at your ordinary tax rate, not at potentially lower qualified dividend rates and may not receive other tax benefits. Contact your financial advisor or consult your tax advisor if you have questions regarding PLDs. Tax-exempt investments may have a taxable payment in lieu of an otherwise tax-exempt payment (for example, municipal bond interest).

- 4. Margin Interest.** You will maintain such securities and other property in your accounts for margin purposes as we shall require from time to time; and the monthly debit balance of such accounts shall be charged, in accordance with our usual custom, with interest at a rate permitted by the laws of the State of Minnesota. Negotiated margin interest rates may be available. Contact your financial advisor to discuss pricing of your margin loan.
- 5. Computation of Charges.** At the close of each charge period during which credit was extended to you in your margin account, an interest charge is computed by multiplying each daily debit balance by the applicable scheduled rate for that day (based upon the sliding scale rate structure), divided by 360. Each daily computation for the month is then totaled and posted monthly to the account with the applicable interest rate. If there has been a change in the base rate, a separate computation will be made with respect to each rate of charge for the appropriate number of days at each rate during the charge period. The interest charge for credit extended to your account at the close of the charge period is added to the opening debit balance for the next charge period unless paid.
- 6. Collections.** You shall at all times be liable for payment upon demand of any debit balance or other obligations owing in any of your accounts with us, and you shall be liable to us for any deficiency remaining in any such accounts in the event of the liquidation thereof, in whole or in part, by us or by you; and you shall make payment of such obligation and indebtedness upon demand.
- 7. Margin Collateral.**
 - (a) We shall have the right to withdraw your margin loan or require additional collateral:
 - (1) in accordance with our general policies regarding our margin maintenance requirements, as such may be modified, amended or supplemented from time to time.
 - (2) if in our discretion we consider it necessary for our protection at an earlier or later point in time than called for by said general policies.
 - (3) in the event that a petition in bankruptcy or for appointment of a receiver is filed by or against you.
 - (4) if any attachment is levied against your accounts.
 - (5) in the event of your death.
 - (b) If you do not provide us with additional Collateral as we may require in accordance with (a) (1) or (2), or should an event described

in (a) (3), (4) or (5) occur (whether or not we elect to require additional collateral), we shall have the right:

- (1) To sell any or all securities and other property in your non-qualified accounts with us or any of our affiliates, whether carried individually or jointly with others. Such a sale can be a taxable event.
- (2) To buy any or all securities and other property which may be short in such accounts.
- (3) To cancel any open orders and to close any or all outstanding contracts.

We may exercise any or all of our rights under (b) (1), (2) or (3) without further demand for additional collateral, or notice of sale or purchase, or other notice or advertisement.

Any such sales or purchases may be made at our discretion on any exchange or other market where such business is usually transacted, or at public auction or private sale; and we may be the purchaser for our own account. It is understood that our giving of any prior demand or call or prior notice of the time and place of such sale or purchase shall not be considered a waiver of our right to sell or buy without any such demand, call or notice as herein provided.

8. Margin Interest Rates. Interest will be charged by us for any credit extended to you for the purpose of buying, trading or carrying any securities or other property, or if you want to borrow cash for a non-securities purpose using your securities and other property as collateral. An interest charge will be made to your account for each period during which credit was extended to you in your account. The rate at which interest is charged to your margin account is based upon a sliding scale of percentages added to or subtracted from the base rate. The following structure and rates apply:

Average daily debt balances	Margin rate*
\$500,000 or more	Base - 1.00%
\$100,000 - \$499,999	Base - 0.50%
\$50,000 - \$99,999	Base
\$25,000 - \$49,999	Base + 1.25%
\$0 - \$24,999	Base + 2.00%

This information is subject to change. Under the Servicemembers Civil Relief Act (the "Act"), military servicemembers are granted a maximum margin interest rate of 6% during their period of military service as defined in the Act. You must notify us to obtain this rate. Outside of your period of military service, margin interest rates will be charged as described in this Agreement.

*Margin interest charges will be calculated based on a sliding scale of percentages added to or subtracted from a "base lending rate," set at the discretion of American Enterprise Investment Services, Inc. with reference to commercially recognized interest rates, industry conditions regarding the extension of margin credit and general credit conditions. For current rate information see <https://www.ameriprise.com/financial-planning/our-fees/brokerage-accounts-custodial-fees/>. Margin rate information is available in the "Margin Lending" section.

Your statement of account will indicate the specific rate of charge, the average daily debit balance of your account, the number of days during which a debit balance was outstanding in your account, and the actual interest charge made for the charge period. For each charge period in which there is a change in the base rate, your statement of account will separately itemize that information with respect to each rate of interest that was applied to your account during the charge period.

9. Adjustment of Rate Without Prior Notice. The rate of charge applicable to your account is subject to change without prior notice in accordance with changes in the base rate. If there is a change in the base rate during the charge period, the rate of interest applied to your account will automatically be increased or decreased accordingly for the remainder of the charge period or until another change in the base

rate occurs. If your rate is to be changed for any other reason, you will receive at least thirty (30) days' written notice prior to such change.

10. Short Sales. Short sales are subject to initial margin and maintenance requirements. We cannot guarantee that it will have shares available to facilitate a short sale. You understand and agree that short sales are subject to additional regulatory rules and cannot be executed under certain market conditions. You understand and agree that we may "buy in" securities to cover any short position in your account at your expense.

The market values of securities which are sold "short" by a customer are adjusted daily for credit purposes by a process called "marking to the market." Short sales against the box are treated in exactly the same way as short sales, though special tax rules apply to securities sold short against the box. The market values of all securities sold short in your account, including securities sold "short against the box," are treated as a debit for the purpose of calculating interest charges. In other words, the closing market value of the securities which were sold "short against the box" is determined each business day and, depending upon whether the market value increased or decreased, the change in the market value is either added to the net debit balance or subtracted from the net credit balance in order to calculate interest charges. The market value of long securities in your account against which a short sale is made is not included in the computation of interest charges. If the total market value of the securities sold short increases, then the debit adjustment to the net balance will increase by the same amount for the calculation of interest charges. Conversely, if the total market value of the securities sold short decreases, then the debit adjustment to the net balance will also decrease by a like amount for the calculation of interest charges.

You note that these upward or downward adjustments of balances are for credit calculation purposes only. Upon your request, interest charges which we compute may be offset against any credit balance in any of your securities accounts carried by us in the same name.

11. Right to Pledge or Lend Assets. All securities and other property now or hereafter held, carried or maintained by us in our possession or control in any of your margin accounts may be pledged and repledged by us from time to time, without notice to you, either separately or in common with other such securities and other property, for any amount due in your accounts, or for any greater amount, and we may do so without retaining in our possession or under our control for delivery a like amount of similar securities or other property.

Within the limitations imposed by applicable laws, rules and regulations, we are hereby authorized by you to lend to ourselves, as principal or otherwise, or to hypothecate to others, any securities held by us on margin for any accounts of yours or as collateral therefore, either separately or with other securities.

You agree that certain of your securities may be loaned to us or loaned out to others. It is recognized that any losses or other detriments, or gains or other benefits, arising from any such lending of securities shall not accrue to your account. You acknowledge that in certain circumstances such loans may limit, in whole or in part, your ability to exercise voting rights of the securities lent. In connection with such loans and in connection with securities loans made to you associated with short sales, you acknowledge that we are authorized to receive and retain certain benefits (including but not limited to interest on collateral posted for such loans) to which you will not be entitled.

12. Treatment of Fees within a Margin Account. You understand and agree that on a periodic basis various fees may be assessed to your account(s) (e.g., account maintenance fees; brokerage service fees; investment advisory asset-based fees), as specified in applicable fee schedules, the Ameriprise Brokerage Client Agreement, or other applicable agreements. You understand and agree that if you requested to have margin capability added to your account, and we have approved such request and there is insufficient cash in your account to pay any fees assessed, you authorize us, and we reserve the right, to journal any unpaid fees to your margin account. An interest charge will be assessed to the margin portion of your account, at the above-referenced rate schedule, for each period during which credit was extended to you in your account for such fees.

**Check-Writing, Ameriprise® VISA® Debit Card, and Online Bill
Payment in Your Ameriprise ONE® Financial Account**

If you choose to initiate the check-writing, debit card, or online bill payment features associated with your Ameriprise ONE® Financial Account, you hereby consent and agree to the additional terms and conditions:

1. **Check-writing Privilege.** You may access your account with a check-writing redemption privilege through an account we have established at our processing bank as your agent. Your account statement will list each check paid on your account. Certain fees may be imposed, such as stop payment fees and fees for copies of canceled checks. Checks drawn on your account may not be used to purchase or carry securities in any account with us. Deposits made using the check-writing feature of your Ameriprise ONE® Financial Account will automatically be forwarded to the money settlement option for your account.

If a fiduciary has been appointed on any of your accounts (for example a trustee, guardian, custodian, etc.), the fiduciary acknowledges and agrees that all disbursements from the account will be made for the benefit of the beneficial owner in accordance with the fiduciary's authority and applicable statutes in effect.

2. **Transfer of Funds.** We are authorized to transfer funds at your request. Those funds representing uninvested cash will be maintained in your money settlement option and will then be available for subsequent transactions. Your account and all investments available in your account, except any bank sweep account used as your money settlement option, are not deposits or obligations of or guaranteed by any financial institution and involve investment risks, including possible loss of principal.

3. **Ameriprise Visa® Debit card.** With an activated Ameriprise Visa® debit card, you can handle your everyday cash needs 24 hours a day. Not only does your debit card give you access to cash at more than a million ATMs located across the country and in many countries throughout the world, it also enables you to purchase goods and services wherever Visa® is accepted. You can use your Ameriprise Visa® debit card at merchants and ATMs that display the Visa® or Allpoint logos. Please review your Ameriprise Visa® Debit Card Agreement, which is sent to you with your debit card, for additional information and important terms and conditions related to your debit card. You acknowledge that any benefit or service offered with the debit card may be modified or terminated at any time.

- **Foreign Transactions.** Card transactions, including advances and purchases, that occur outside of the United States may be converted to U.S. dollars and subject to an exchange rate that is selected by the networks that process the card transaction or the government that issues or controls the currency in that country on the date it processes the card transaction. Card transactions that occur outside the United States include, but are not limited to, purchases made while you are in the United States but are made with a merchant who processed the card transaction in a foreign country or using a foreign currency. The processing date on which the exchange rate is applied may differ from the date you used your card. The exchange rate we use may include a spread, commissions, or other costs that we, our affiliates or vendors charge in providing foreign exchange to you. The exchange rate may vary among customers depending on your account type and the additional banking services you have enrolled in with us, the type of card transaction being conducted, the dollar amount, the type of currency, and the date and time of the exchange. You should expect that these rates will be less favorable than rates quoted online or in publications. A one percent (1%) Foreign Transaction fee may be applied to each Foreign Transaction
- **ATM Surcharge Fees.** Ameriprise Financial does not assess ATM surcharge fees for withdrawals from your account or for checking your balance at an ATM. ATM operators and/or networks who are

not members of the surcharge-free network may assess an ATM surcharge fee. In those instances, we offer a rebate program if you are recognized as an Ameriprise Achiever Circle or Ameriprise Achiever Circle Elite member. ATM surcharge fees are rebated monthly based on your Ameriprise Achiever Circle status at month end. The ATM fee rebate program may be modified or discontinued at any time. Achiever Circle Members receive up to five surcharge transaction fee rebates totaling up to \$10 per month. Achiever Circle Elite Members receive unlimited surcharge transaction fee rebates.

4. **Payments.** You must maintain a combined asset level sufficient to pay any checks you write, any online bill payment transfers, wire transfers, ACHs, and any ATM or debit card transactions. The combined asset value of your Ameriprise ONE® Financial Account consists of:
 - Cash held as a free credit balance in your account
 - Sweep Program balance including cash or money market fund shares
 - Available margin loan value (if your account has been approved for margin)

Payments for checks, wire transfers, ACHs, ATM withdrawals, debit card transactions, and brokerage fees will be deducted from the combined asset value in your account in the following order:

- First, from cash held as a free credit balance in your account
- Second, from your Sweep Program balance, including cash or money market fund shares
- Third, from available margin loan value (if applicable).

If assets in your account are not sufficient to cover the payments or transfers you direct from your account, payments can be obtained from the liquidation of any or all securities and other assets in your non-qualified accounts within Ameriprise Financial or any of its affiliates, whether carried individually or jointly with others.

5. **Transaction Presentment.** We will debit your account immediately whenever a check is presented for payment on your behalf, when an ATM/debit card transaction is posted, or when a fee is due. You authorize us to automatically transfer funds from your account to cover checks, ATM withdrawals, debit card transactions, or brokerage fees. You agree that neither we nor our processing bank will be liable for any loss you incur in connection with the check writing privilege, debit card, or online bill payment unless we are negligent in fulfilling this Agreement. In no event will we or our processing bank be liable for any consequential, special, or indirect damages or loss.

6. **Inactivity.** If you have not used your Ameriprise ONE® Financial Account's cash management features (check-writing feature, debit card, or online bill pay) for 18 or more months, we may remove those features from your account.

7. **Internet Gambling.** The federal Unlawful Internet Gambling Enforcement Act of 2006 and its implementing regulations prohibit commercial customers from sending funds or receiving deposits of any kind relating to illegal Internet gambling. Ameriprise Financial is required to enforce that prohibition. You understand that by opening and maintaining an Ameriprise ONE® Financial Account in which check writing privileges are made available through Ameriprise Financial, you agree to call us at 800.862.7919 to notify us if your account is ever used for Internet gambling of any kind, even if you believe the activity to be legal. If you do not notify us, you understand that we may terminate your access to various payment methods or close your account.

8. **Additional Terms.** We will notify you as soon as possible, by telephone or in writing, if an electronic funds transfer (EFT) transaction cannot be processed or has been rejected by another financial institution. We reserve the right to refuse to honor your request for an EFT transaction for any reason. You acknowledge that any benefit or service offered with the debit card may be modified or terminated at any time.

Electronic Services Agreement

IMPORTANT: You must read this Electronic Services Agreement before using any of the electronic services offered through your Introducing Broker accounts, which may include order execution and financial market information access (hereafter referred to collectively as "the Services"). Your use of the Services, or signed acknowledgement, indicates your acceptance of all of the following additional terms and conditions. In consideration of our accepting and carrying one or more accounts for you, in addition to the above, if you choose to effect transactions using our electronic services which may include order execution and financial market information access, you hereby consent and agree that:

1. Financial Market Information; Limited Warranty. You acknowledge financial market information accessible through the Services (the "Information") has been independently obtained by various securities markets, such as stock exchanges, and their affiliates, and others collectively, "Information Providers") through sources believed to be reliable. The accuracy, completeness, timeliness or correct sequencing of the information is not guaranteed by us, the Information Providers, any parties transmitting the Information ("Information Transmitters") or other service facilitators ("the Service Facilitators"). You understand there may be delays, omissions or inaccuracies in the Information and you agree that neither the Introducing Broker, the Information Provider, the Information Transmitters nor the Service Facilitators shall have any liability, contingent or otherwise, for the accuracy, completeness, timeliness or correct sequencing of the Information, or for any decision made or action taken by your reliance upon the Information or the Services, or for interruption of any data, information or aspect of the Services. THE LIMITATIONS OF ANY WARRANTY, EXPRESS OR IMPLIED, APPLICABLE TO THIS ELECTRONIC SERVICES AGREEMENT SHALL BE GOVERNED BY SECTION 48 OF THE AMERIPRISE BROKERAGE CLIENT AGREEMENT.
2. Limitations of Liability. THE LIMITATIONS OF LIABILITY APPLICABLE TO THIS ELECTRONIC SERVICES AGREEMENT SHALL BE GOVERNED BY SECTION 49 OF THE AMERIPRISE BROKERAGE CLIENT AGREEMENT.
3. Proprietary Information. The Information is the property of the Information Providers or others and is protected by copyright or other proprietary rights. You agree not to reproduce, retransmit, disseminate, sell, distribute, publish, broadcast, circulate or commercially exploit the Information in any manner without the express written consent of us and the relevant Information Provider(s); nor to use the Information for any unlawful purpose. You agree to comply with reasonable requests by us to protect the Information Providers' and the Introducing Broker's respective contractual, statutory and common law rights in the Information and the Service.
4. You will use our electronic services only in accordance with this Agreement and any additional future services will only be used in accordance with this Agreement.
5. You shall be the only authorized user under this Agreement. Further, you shall be responsible for the confidentiality and use of your access identification name and password information. You understand that you shall be solely responsible for all orders entered through our services using your login ID, sign-on password and/or trading password. All orders shall be deemed to be made at the time received and in the form received.
6. You acknowledge that we, in providing you with the electronic service have relied upon your agreement to be bound by the terms of this Agreement, and any user license agreements related to any service software. You further acknowledge that you have read, understood, and agreed to be bound by the terms of all user license agreements, if any, and hereby reaffirm your acceptance of these terms.
7. You further understand and agree that, as a condition of using the Introducing Broker electronic service to place orders or send information, you shall immediately notify us if you become aware of:

- any loss or theft of your access number(s), password(s) and/or account number(s).
- any unauthorized use of any of your access number(s), password (s), and/or account number(s); or of the Services or any information provided by the Services.
- any failure by you to receive a message that an order initiated by you through the Services has been received and/or executed through the Services.
- any failure by you to receive accurate written confirmation of an order within five (5) business days after entering the order through the Services.
- any receipt of confirmation of an order which you did not place, or any similar inaccurate or conflicting information or any discrepancy in the account balance or securities positions.

All notifications to the Introducing Broker pertaining to this agreement shall be directed to us by mail.

8. If you fail to notify us when any of the above conditions occurs neither the Introducing Broker, nor the Clearing Broker, will have any responsibility or liability to you or to any other person whose claim may arise through you for any claims with respect to the handling, mishandling, or loss of any order or other business. Any liability arising out of any action or omission by us to provide services to you here under shall be limited to an amount equal to the benefit which would have resulted from the transaction during the five (5) business days in which you should have acted.
9. You understand if there is a restriction on your account(s) with us, you will not be able to use the Services trading function. Further, we reserve the right in its sole discretion to request a cash or equity deposit prior to the execution of any transaction through the Services. We will not be responsible for any delay or failure to provide The Services, including the execution of any securities order, in the event there is a restriction on your account or you delay or fail to make such deposit.
10. You understand that the Services may be provided in accordance with Information Transmitters or Service Facilitators to whose terms you have agreed and those terms shall apply to this Agreement and are incorporated herein by reference.
11. You acknowledge that neither the Services nor any of the Information is intended to supply tax or legal advice. Although the Services may provide access to numerous recommendations about how to invest and what to buy, none of these recommendations are developed or endorsed by us. In The Services, the Introducing Broker is not recommending any investment advisory service or product, nor does the Introducing Broker offer any advice regarding the nature, potential value or suitability of any particular security transaction or investment strategy. You acknowledge that all orders are at your sole risk.
12. You agree to be liable for any and all charges in connection with the use of the Services, including, but not limited to, our regular commission Schedule.
13. You agree to pay all subscription, service and use fees, if any, which are charged by us for the Services and agree that such fees may be changed without notice. You agree to pay all costs (including attorney's fees), if any, incurred by us in collecting overdue fees from you. You also agree to pay all federal, state, and local taxes applicable to your use or receipt of the Services. You hereby grant us a continuing security interest in the assets in your account(s), to secure the timely payment of all fees owed by you for the Services and any other amounts owing under this Agreement.
14. You agree that we may modify the Services or change the terms of this Agreement, in whole or in part, upon notice through an electronic service or in writing.

15. All price and security information provided through The Services is believed to be reliable; however, because of the volume of information, and the frequency with which it changes, the information can only be provided on a best efforts basis for the convenience of the user, and neither the Introducing Broker, nor the Clearing Broker, any of its Information Providers, or Service Facilitators is liable for any investment decisions made using the information provided.
16. You understand and acknowledge that due to security risks, you should not send any personal or identifying information, such as your account numbers, card account numbers, Social Security numbers, passwords, etc. via Internet email. You agree that we will not be responsible for any loss or damage resulting from the interception by third parties of any information you send us via email.
17. We reserve reserves the right to terminate your access to the Services or any portion of it in its sole discretion, without notice and without limitations, for any reason whatsoever, including but not limited to the unauthorized use of your access number(s), password(s), and/or account number(s), breach of this Agreement, and discontinuance of our access to any Information or data from any Information Provider or Service Facilitator or termination of one or more agreements between us, the Information Providers, Information Transmitters or Service Facilitators. In the event of a termination by us, the Information Providers, the Information Transmitters, Service Facilitators, the Introducing Broker and the Clearing Broker shall have no liability to you.