

Merrill Edge® Self-Directed Investing Client Relationship Agreement

Terms and Conditions

1. Introduction

We have prepared the Merrill Edge Self-Directed Investing Client Relationship Agreement (hereinafter referred to as the "Merrill Edge CRA" or "this Agreement") in order to help you understand your relationship with Merrill Edge Self-Directed Investing. This Agreement, and the agreements for the various products and services offered by Merrill Edge Self-Directed Investing, details the nature of the mutual obligations for services you are about to use and those services you may choose to use in the future.

Merrill Edge Self-Directed Investing (also referred to herein as "MESD") is the marketing name for certain brokerage services offered to clients on a self-directed basis through Merrill Lynch, Pierce, Fenner & Smith Incorporated ("Merrill Lynch").

Future account disclosures may be delivered to you via the internet, including as a message at the Secure Message Center. In certain cases, future account Disclosures may be delivered via statement message, statement insert or stand-alone letter.

When you agree to the terms of this Agreement, you are agreeing that its terms will apply to all of your MESD accounts, transactions and services.

If you have any concerns about the services you receive under these terms and conditions, please contact Merrill Edge Self-Directed Investing at **877.653.4732**.

What to do if you have a problem

We sincerely hope to service your account in such a manner that problems will never occur. However, errors, misunderstandings or disputes can occur, and we want to resolve them promptly and fairly.

Reviewing your confirmations and statements—Please review your confirmations and account statements promptly and let us know if there is any discrepancy in terms of transactions or deposits or withdrawals of either funds or securities.

Whom to contact—If your concerns cannot be resolved through your financial advisor in a timely manner, you should contact the director or market supervisor at the office servicing your account. If you still cannot resolve the issue, you may contact Merrill Lynch Compliance at 609.274.4040, or in writing at P.O. Box 1520, Pennington, NJ 08534-1520, if you feel that your concerns have not been properly addressed by office management.

2. Overview of Merrill Edge Self-Directed Investing

Merrill Edge Self-Directed Investing is designed for U.S.-based investors who wish to make their own investment choices in a Merrill Lynch, Pierce, Fenner & Smith Incorporated brokerage account.

Neither Merrill Lynch, nor MESD, nor any Merrill Lynch or MESD representative, will provide you with investment advice, including any recommendations, or offer any opinion regarding the suitability of any security, order, transaction, or strategy in a Merrill Edge Self-Directed Investing Account, or monitor your investment or the appropriateness of your account or service level, or alert you to any recommended change to your investments, investment accounts, or services. Neither Merrill Lynch nor MESD, nor any Merrill Lynch or MESD representative, will provide any tax or legal advice.

No Merrill Lynch Research opinion, Independent Research opinion, the inclusion of a security on any list, or any information provided to you either on the Merrill Edge website or by mail or any other means constitutes a recommendation to you to purchase, hold or sell any investment.

By entering into this Agreement, you agree that any transactions executed through your Merrill Edge Self-Directed Investing Account, whether based on information obtained from Merrill Lynch or elsewhere, will be solely your own decision and based on your own evaluation of your personal financial situation, needs, and investment objective(s).

In addition to retaining the sole responsibility for investment decisions, you understand and agree that you are responsible for knowing the rights and terms of all securities in your account, specifically including valuable rights that expire unless the holder takes action. This includes, but is not limited to, warrants, stock rights, convertible securities, bonds, and securities subject

to a tender or exchange offer. You understand and agree that Merrill Lynch accepts no obligation to notify you of any upcoming expiration or redemption dates, or, except as required by applicable law or regulation, to take any action on your behalf without specific instructions from you. You also agree that all dividends and interest payments credited to your account shall accumulate rather than be paid to you upon receipt, but shall be subject to your withdrawal from time to time upon request for a check or other funds transfer.

Notwithstanding the foregoing, in its capacity as an investment adviser Merrill Lynch may provide investment advice or recommend securities transactions or investment strategies to you within certain investment advisory programs. To enroll in such an investment advisory program, such as the Merrill Guided Investing Program, you may be required to establish and maintain a Merrill Edge Self-Directed Investing Account. Merrill Lynch acts as an investment adviser and not a broker-dealer for the investment advisory services provided within these investment advisory programs. To the extent that Merrill Lynch provides investment advice or recommends any securities transactions or investment strategies to you within any such investment advisory program, you understand and agree that Merrill Lynch does so in its capacity as an investment adviser and not as a broker-dealer. You will be required to enter into a separate agreement with Merrill Lynch and its affiliates to participate in an investment advisory program. Pursuant to Section 5a of this Merrill Edge CRA, the terms governing any such investment advisory program will control if there are any inconsistencies with the terms of this Merrill Edge CRA. If your account serves as the securities account for a Merrill Lynch investment advisory program, certain features of Merrill Edge Self-Directed Investing, such as the Margin Lending Program, check writing, and Visa cards, may not be available to you. If your account serves as the securities account for a Merrill Lynch investment advisory program and if, for any reason, you terminate from the investment advisory program without transferring the securities and assets out of your account, your account will be a Merrill Edge Self-Directed Investing Account without any investment advisory relationship. As such, and as explained more fully in the preceding paragraphs, neither Merrill Lynch, nor any Merrill Lynch representative, will provide any investment advice or give any advice or offer any opinion regarding the suitability of any security, order or transaction in a Merrill Edge Self-Directed Investing Account.

Additionally, to the extent that you maintain other accounts or relationships with Merrill Lynch or its affiliates under which you do receive investment advice or management from us or our affiliate, you agree not to implement such advice in the account.

If you do not feel comfortable with self-directing your retirement assets or would otherwise like to learn more about the benefits of our management and advisory services and programs for Retirement Investors, please contact Merrill Edge Self-Directed Investing at **877.653.4732**.

3. Definitions

For the purpose of this Agreement, "you" and "your" refers to each person who has agreed to the terms in this Agreement. "Merrill Lynch," "we," "our" and "us" refer to Merrill Lynch, Pierce, Fenner & Smith Incorporated, a registered broker-dealer and a wholly owned subsidiary of Bank of America Corporation. "Account" refers to any securities account you open with Merrill Lynch.

In the case of an entity, "you" and "your" refers to the entity, and by enrolling the entity agrees that access to Merrill Edge Self-Directed Investing shall be restricted to Authorized Representatives (as defined in the account agreement) for such entity and that the entity will be liable for all acts or omissions of such Authorized Representatives.

For the purpose of this Agreement, Merrill Edge and Merrill Edge Self-Directed Investing ("MESD"), which are made available through Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S"), refer to certain brokerage services offered to clients on a self-directed basis through Merrill Lynch, Pierce, Fenner & Smith Incorporated ("Merrill Lynch") and which are the subject of this Agreement.

For purposes of the Margin Lending Program and Liens sections described below, "securities and other properties" means, without limitation, money, securities, financial instruments and commodities of every kind and nature and related contracts and options held in any of your accounts carried or maintained by Merrill Lynch or any of its affiliates in which you may have an interest.

4. How the Merrill Edge CRA works

This Agreement provides you with access to a range of accounts, Products and Services. When you agree to the terms of this Agreement, you're agreeing that its terms will apply to all of your MESD accounts, transactions and services while you are an MESD client.

In particular, you agree:

- You will resolve any controversies with us through arbitration.
- We have a lien on your non-retirement accounts and assets in those accounts for the payment of any obligation you have with us.
- New York law governs your agreements and transactions, unless we indicate otherwise.
- Merrill Lynch has the right to amend this Agreement at any time with advance notice in writing. Any amendments will be effective on the date specified in the notice.
- Merrill Lynch may in its sole discretion and without notice to you, to the extent permissible under applicable law and other governing documents applicable to your account, decline, cancel or reverse your orders or instructions, or place trading, disbursement and other restrictions on any of your accounts.
- If you're enrolled in the Margin Lending Program, you agree and understand that:
 - You may borrow money from Merrill Lynch secured by a pledge of your eligible securities and other property in your account.
 - You will be charged interest on debit balances at a rate permitted by the laws of the state of New York.
 - Certain securities in your account may be loaned to Merrill Lynch or others to the extent not prohibited by applicable laws, rules or regulations.
 - That limits may be placed on your ability to buy, sell, transfer and hold certain securities, like low-priced securities, as identified by Merrill Lynch.
- If you've requested a Visa® Card, you agree that:
 - Merrill Lynch is authorized to issue you the Visa® Card you requested for use with eligible accounts, and you understand that Merrill Lynch or an affiliate may obtain a credit report due to your request.
- If you're establishing your relationship in a joint capacity, you agree that:
 - Any joint accounts you open in the future held by the same owners will have the same ownership designation you establish on this Agreement, unless you notify us otherwise in writing.

The specific provisions on these topics are set forth in detail below. If you trade and hold non-U.S. issued securities, you agree and acknowledge that:

- Merrill Lynch or its affiliates may be required to disclose customer names and other identifying information, including but not limited to Social Security number or tax identification number, to regulators (including taxing authorities) and/or issuers to comply with local law and/or customs and practice. For example, we may be required to provide personal information in order to meet local regulations that require the submission of investor names to the local stock exchange, or an issuer may request residence and taxpayer identification information in order to obtain favorable tax treatment, such as lower withholding rates, for shareholders.
- For clients who trade and hold shares of Italian companies whose equity securities are traded in any regulated market:
 - If you hold shares of Italian companies whose equity securities are traded in any regulated market, you hereby represent that you only hold "Non-Qualified Equity Investments" (Partecipazioni Non Qualificate). You agree, and acknowledge that it is your responsibility, to immediately inform Merrill Lynch if this representation is inaccurate or untrue or if it becomes inaccurate or untrue.

a) New accounts and services

When you open a new account or enroll in a service, or convert all or part of an existing Merrill Lynch account to MESD, we will provide you with the agreement and any disclosures for that account or service and confirm your enrollment in that account or service in writing. Those agreements and disclosures are incorporated by reference. This means that your initial signature acts as your agreement to the terms of the new account or service. As a result, in many cases, you will not need to sign an additional account agreement or other form.

For example, if you enroll in the Merrill Edge® Self-Directed Investing Cash Management Account® (CMA® account) financial service, the disclosures and account agreement for that service are incorporated in this Agreement. We will provide those documents to you when you enroll.

The terms governing a specific account or service will control if there are any inconsistencies with the terms of this Merrill Edge CRA. If you are establishing a joint account with this Agreement, you must designate how the account is to be held by the owners of the account.

Eligible joint account designations include:

- JTWROS—Joint Tenancy With Right of Survivorship;
- TIC—Joint Tenancy Without Right of Survivorship, also known as Tenants in Common;
- ATBE—As Tenants by Entirety (for married persons, only in states where applicable);
- COMMPROP—Community Property for married persons, only in states where applicable;
- WI MAR PROP—Wisconsin Marital Property, for married residents of Wisconsin only; and
- WI SURV MAR PROP—Wisconsin Survivorship Marital Property, for married residents of Wisconsin only.

You hereby agree that, unless you notify us otherwise in writing, all subsequent joint accounts opened with Merrill Lynch by the same owners shall be held by such owners with the same ownership designation. All joint accounts are subject to the specific provisions pertaining to joint accounts contained in the applicable account agreements. Joint ownership of property is an important element of estate planning and entails important legal and tax consequences. Joint ownership laws vary from state to state. You are responsible for verifying that the joint registration that you select for your account(s) is valid in your state. In addition, state laws regarding community property vary. Please consult your attorney if you have any questions regarding the joint ownership or community property laws that may be applicable to your account(s).

b) Additional signatures

You may need to sign more than one Merrill Edge CRA. This will be required if you want to open an account in a capacity other than as an "individual," including as a:

- Trustee of a trust;
- Personal representative or executor of an estate; or
- Guardian.

We may also require you to sign additional agreements or other documents for certain services or instructions, including:

- Selecting beneficiaries for an individual retirement account;
- Selecting the ownership of a joint account;
- Selecting beneficiaries of an account with the transfer on death service;
- Options trading;
- Financial planning;
- Managed money services; and
- Services involving the transfers of money or securities.

c) Retirement account beneficiaries

Your signature is required to designate or change beneficiaries to receive the balance of your account upon your death. If you do not do so, your account balance will be paid to your spouse, if he or she survives or, if not, to your estate.

d) Amendments

You agree that Merrill Lynch has the right to amend this Merrill Edge CRA at any time by providing notice of the amendment to you. The amendment will be effective on the date contained in the notice.

5. Customer information and due diligence

Merrill Lynch, like all U.S. financial institutions, is required to follow federal regulations to assist the government in its efforts to fight money laundering and other financial crimes, and to counter terrorist financing efforts in the U.S. and globally. Merrill Lynch obtains specific personal information from you in order to verify your identity; and you may be required to present documentary evidence of your identity in the form of government-issued

identification. Merrill Lynch also uses third-party vendors to verify customer information. Foreign nationals who are permanent legal residents of the U.S. may be required to present a Permanent Resident Card (i.e., "green card") and a Social Security number to open an account in a U.S.-based Merrill Lynch office. Non-individuals (e.g., a business, trust or estate) must submit sufficient evidence of legal status.

In addition to verifying the identity of our customers, Merrill Lynch captures personal information on all customers and related authorized parties who have the ability to transact, control, influence or manage an account, whether directly or indirectly. Merrill Lynch, at its discretion, may elect not to accept an account, or to terminate the account agreement and the account agreements of any related parties.

6. Margin lending

If any account is established with the Margin Lending Program, you understand and agree that:

- You may borrow money from Merrill Lynch secured by a pledge of your eligible securities and other property in your account;
- You will be charged interest on debit balances at a rate permitted by the laws of the state of New York;
- Certain of your securities may be loaned to Merrill Lynch or loaned out to others; and
- You are bound by the terms of the agreement for the Margin Lending service.

7. Liens

All of your securities and other property in any account—margin or cash—in which you have an interest, or which at any time are in your possession or under your control other than retirement accounts, such as IRAs, shall be subject to a lien for the discharge of any and all indebtedness or any other obligations you may have to Merrill Lynch. Securities and other property held in retirement accounts, such as IRAs, are not subject to this lien, and are not used as security for the payment of your obligations or indebtedness for other accounts—cash or margin—you maintain with Merrill Lynch. You agree that Merrill Lynch holds all of your securities and other property in margin or cash accounts, other than retirement accounts, as security for the payment of any such obligations or indebtedness to Merrill Lynch in any account in which you have an interest. Merrill Lynch, subject to applicable laws, may at any time and without giving you prior notice, use and/or transfer any or all securities and other property in any account in which you have an interest other than retirement accounts, without regard to Merrill Lynch having made any advances in connection with such securities and other property and without regard to the number of accounts you may have with Merrill Lynch. In enforcing the lien, Merrill Lynch, at its sole discretion, may determine which securities and other property are to be sold or which contracts are to be closed.

8. Governing law

Unless otherwise specified, your agreements and transactions with Merrill Lynch will be governed by and interpreted under the laws of the State of New York.

You may not use your account or relationship to the firm to process transactions that are prohibited by law, including, but not limited to, restricted transactions prohibited by the Unlawful Internet Gambling Enforcement Act of 2006.

9. Compliance with applicable laws

You represent that you and any beneficial owner(s), if acting in a representative capacity, have complied, and you agree that you and any such beneficial owner(s) will comply for so long as your account(s) remain(s) open, with all applicable laws (including obligations related to tax payments and reporting and to currency exchange controls) related to (i) the assets deposited, acquired or otherwise held in any securities account held at Merrill Lynch now or in the future, or (ii) any other transaction you enter into with Merrill Lynch or its affiliates. You further agree and acknowledge that you and any beneficial owner(s) if acting in a representative capacity are responsible for timely paying any taxes owed to any tax authority, and for timely filing all relevant tax returns in relation to assets held in any securities account held at Merrill Lynch now or in the future, or any other transaction you enter into with Merrill Lynch or its affiliates.

10. Fees

You agree to pay your account fees, service fees, processing and other fees for the transactions and other services you receive from Merrill Lynch. You understand that these fees will be charged to your accounts. Current information about the fees that apply to your account is available under the "Online investing and trading" tab at: www.merrilledge.com/pricing. You agree that Merrill Lynch may satisfy any amounts you owe to Merrill Lynch from available free credit balances and assets in your account. If necessary, Merrill Lynch is permitted to sell assets in your accounts to pay those amounts due. You agree that you have reviewed the schedule of fees applicable to your MESD Account, including account fees, service fees, processing and other fees for the transactions and services applicable to your account, and believe them, in addition to any third-party compensation that we may receive with respect to your account or transactions engaged in by your account discussed more fully below, to be reasonable compensation to us in light of the totality of services we may provide with respect to the account.

a) Securities transactions

When you purchase or sell securities, you may pay for each securities transaction on a per trade basis. This is called transaction-based pricing. Under this type of pricing, you are charged a commission or other compensation for each transaction. This compensation varies based on a number of factors, such as your relationship with Merrill Lynch and Bank of America, the type of security and how often you trade. Commission rates are subject to change. Our current standard commission schedule is available under the "Online investing and trading" tab at: www.merrilledge.com/pricing.

The amount of commissions you may pay varies from product to product. Where commissions apply, the more transactions you enter into, the more compensation we receive. When you pay commissions with respect to particular investments, we benefit from you buying and selling more frequently, rather than holding investments, and from you purchasing investments that result in higher commissions and compensation to us and our affiliates.

Merrill Lynch and its affiliates also receive compensation from third parties (including from the investment products in which you invest, and their manufacturers, distributors, managers, and their respective affiliates) in connection with your investment transactions. The amount of this third-party compensation generally varies from product to product. Merrill Lynch has an incentive for you to engage in investment transactions that result in more compensation from third parties to Merrill Lynch and its affiliates. The costs of this third-party compensation generally represent an expense embedded in the investment that is ultimately borne by investors such as you. The specific types of third-party compensation we may receive with respect to a particular investment are typically disclosed in the relevant investment product prospectus or other offering document. Examples of the types of third-party compensation we can receive are listed hereafter, but note that not all types of compensation apply to all investments, and we may receive other compensation that is not listed here. The examples of third-party compensation include: Rule 12b-1 and other distribution and servicing fees; revenue sharing payments; exchange-traded fund index licensing fees; event payments; gifts, gratuities, and other non-monetary compensation; payment for order flow; securities lending fees; valuation fees; redemption fees; and underwriting fees.

b) Visa® cards issued by Bank of America, N.A.

There is no annual fee for the Merrill Edge® CMA Access® Visa® card. However, transaction charges apply with respect to particular transactions as disclosed in the Merrill Edge CMA Access Visa card terms and conditions.

This information is subject to change. You may call Merrill Edge Self-Directed at **877.653.4732** to verify current fees.

You authorize Merrill Lynch to issue the Visa card that you have requested for use with eligible accounts, and you understand that Merrill Lynch or an affiliate may obtain a credit report in connection with your request.

11. Agreement to arbitrate controversies

This Agreement contains a predispute arbitration clause. By signing an arbitration agreement the parties agree as follows:

- **All parties to this Agreement are giving up the right to sue each other in court, including the right to a trial by jury, except as provided by the rules of the arbitration forum in which a claim is filed.**
- **Arbitration awards are generally final and binding; a party's ability to have a court reverse or modify an arbitration award is very limited.**

- The ability of the parties to obtain documents, witness statements and other discovery is generally more limited in arbitration than in court proceedings.
- The arbitrators do not have to explain the reason(s) for their award unless, in an eligible case, a joint request for an explained decision has been submitted by all parties to the panel at least 20 days prior to the first scheduled hearing date.
- The panel of arbitrators may include a minority of arbitrators who were or are affiliated with the securities industry.
- The rules of some arbitration forums may impose time limits for bringing a claim in arbitration. In some cases, a claim that is ineligible for arbitration may be brought in court.
- The rules of the arbitration forum in which the claim is filed, and any amendments thereto, shall be incorporated into this Agreement.

You agree that all controversies that may arise between us shall be determined by arbitration. Such controversies include, but are not limited to, those involving any transaction in any of your accounts with Merrill Lynch, or the construction, performance or breach of any agreement between us, whether entered into or occurring prior, on or subsequent to the date hereof.

Any arbitration pursuant to this provision shall be conducted only before the Financial Industry Regulatory Authority Inc. ("FINRA") or an arbitration facility provided by any other exchange of which Merrill Lynch is a member, and in accordance with the respective arbitration rules then in effect at FINRA or such other exchange.

You may elect in the first instance whether arbitration shall be conducted before FINRA or another exchange of which Merrill Lynch is a member, but if you fail to make such election by registered letter addressed to Merrill Lynch at the office where you maintain your account before the expiration of five (5) days after receipt of a written request from Merrill Lynch to make such election, then Merrill Lynch may make such election.

Judgment upon the award of the arbitrators may be entered in any court, state or federal, having jurisdiction.

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 a member of a putative class who has not opted out of the class with respect to any claims encompassed by the putative class action until: (i) the class certification is denied; or (ii) the class is decertified; or (iii) the customer is excluded from the class by the court. Such forbearance to enforce an agreement to arbitrate shall not constitute a waiver of any rights under this Agreement except to the extent stated herein.

12. Important disclosures

Merrill Lynch is a registered broker-dealer and a wholly owned subsidiary of Bank of America Corporation. Unless otherwise disclosed, investments through Merrill Lynch are not FDIC Insured, and are not Bank guaranteed, and may lose value. Investing in securities involves the risk of loss, and you should be prepared to bear this risk.

Merrill Lynch offers its products, accounts and services through different service models (e.g., self-directed, full-service). Based on the service model, the same or similar products, accounts and services may vary in their price or fee charged to a client.

A Merrill Lynch financial advisor, Merrill Edge financial solutions advisor, or other Merrill Lynch employee (collectively referred to herein as an "Associate") is eligible to receive compensation if the Associate informs you about MESD and you thereafter open an MESD account and/or add more assets to your existing MESD account. The details of the compensation will depend on the Associate's employment agreements and arrangements with Merrill Lynch, and the types of compensation for which the Associate is eligible. In general, the compensation the Associate receives will vary based on the amount of assets you invest in an MESD account at a specific time or over a specific period (e.g., upon account opening or during a given quarter). The Associate's activity with respect to other Merrill Lynch clients and the amount of assets other clients invest in MESD accounts or other accounts with Merrill Lynch or its affiliates will also affect the compensation for which the Associate may be eligible. Merrill Lynch's compensation arrangements with Associates generally include thresholds regarding the amount of compensation to be paid to Associates.

Associate compensation varies and is based on, among other things, the amount clients invest in accounts, the number of accounts clients open and/or close, and qualitative factors such as client satisfaction. A Merrill Lynch financial advisor is eligible to receive ongoing compensation for a limited period of time if the total amount invested in an MESD account exceeds a certain threshold.

You can research Merrill Lynch and our representatives using FINRA's BrokerCheck database.

Vesting age for UTMA (Uniform Transfer to Minor account) and UGMA accounts (Uniform Gift to Minor account) defaults to the minimum age defined by individual state laws.

13. Sweep Program

The deposit of checks, the sale of securities, and other activity will periodically generate cash in your account. You have the option to have cash balances in your account automatically deposited in a bank deposit program ("Sweep Program"). Alternatively, you may elect that cash balances do not sweep. If you choose to not sweep your cash balances, they will not earn interest. These balances will be covered by the Securities Investor Protection Corporation ("SIPC") up to \$250,000 per customer and by our excess-SIPC coverage, as described in your account agreement, but they are not insured by the FDIC. For details contact Merrill Edge Self-Directed Investing at **877.653.4732**, or view your account agreement. Please note that if your account is enrolled in a Merrill Lynch investment advisory program, such as Merrill Guided Investing, and you choose to not sweep your cash balances, you should understand that Merrill Lynch may charge an asset-based advisory fee on the cash in the account even though you are not earning any interest or dividends on that cash. Deposits held at Bank of America, N.A. and/or Bank of America California, N.A. (the "Merrill Lynch Affiliated Banks") are financially beneficial to Merrill Lynch and its affiliates. Interest rates paid on deposits are determined at the discretion of the Merrill Lynch Affiliated Bank based on economic and business conditions. Rates may change daily. The current yield on any deposits held under the Merrill Lynch Direct Deposit Program (the "MLDD Program") or Retirement Asset Savings Program (the "RASP Program") will be included on your account statement. You can also access current yield information on our website, or by contacting Merrill Edge Self-Directed Investing at **877.653.4732**. The interest paid on retirement account assets will be at no less than a reasonable rate.

Your cash in the MLDD Program and the RASP Program is insured by the Federal Deposit Insurance Corporation ("FDIC") up to a total of the Standard Maximum Deposit Insurance Amount ("SMDIA") per depositor at the Merrill Lynch Affiliated Bank. The SMDIA is \$250,000 per depositor, per ownership category. Each individual depositor receives up to the SMDIA of FDIC insurance and each joint account with two depositors up to two times the SMDIA of FDIC insurance. It is your responsibility to monitor the total amount of your deposits with the Merrill Lynch Affiliated Bank to determine the extent of insurance coverage available on your deposits. It is important to note that uninvested cash held in more than one Merrill Lynch account (such as a CMA) may be deposited to the same Merrill Lynch Affiliated Bank. Also, amounts in excess of the applicable FDIC insurance limit may be deposited to the Merrill Lynch Affiliated Bank from the same Merrill Lynch account. Any certificates of deposit that you own issued by a Merrill Lynch Affiliated Bank will also count towards the FDIC insurance limits.

The Securities Investor Protection Corporation ("SIPC") does not cover cash on deposit at the Merrill Lynch Affiliated Bank. You may obtain further information about SIPC, including the SIPC Brochure, via SIPC's website at www.sipc.org or by calling SIPC at **202.371.8300**.

Merrill Lynch reserves the right to offer different Sweep Programs for different accounts or clients. Merrill Lynch, may, with 30 days prior written notice, (i) make changes to the terms and conditions of our Sweep Program; (ii) make changes to the terms and conditions of any money account; (iii) change, add or remove the money account available as sweep product; (iv) transfer your money account from one sweep product to another. Available cash balances are automatically swept into the primary money account. You affirmatively consent to having your available cash balances sweep to MLDDP and/or RASP.

Additional Money accounts

Under the Sweep Program, you may only establish one primary money account for the automatic deposit of cash balances in your account. However, you may establish multiple additional money accounts and make deposits at any time by speaking to your financial advisor. If you have established money accounts in addition to your primary money account, and you do not have

sufficient balances in your primary money account, your additional money account balances will be withdrawn to satisfy securities and cash management transactions, including check writing and Visa® Card activity, in or through your account. Ask for the applicable deposit account program disclosures for details on deposits.

Various deposit accounts are available as additional money accounts based on account type. Please contact Merrill Edge Self-Directed Investing at **877.653.4732** to determine if a particular option is available to you to determine applicable rules and minimums (if any).

Confirmations and statements

In general, when we execute a transaction, we will send you a confirmation summarizing the details. We will not send you a confirmation for certain pre-authorized transactions in securities, including mutual funds, Sweep Program transactions (whether for your primary money market account or any additional money accounts) and any transaction in a money market mutual fund ("Exempt Transactions"). We will send you an account statement (monthly or quarterly, based in part on account type and/or activity) as a record of the securities, cash and other assets held by us and the activity in your account for the time period covered by the statement. Your statement will serve as a confirmation of any Exempt Transactions. The statement will also give you year-to-date information on dividends and interest received, as well as market prices of the securities in your account, if available.

Automatic Liquidation of Additional Money accounts

If you have a retirement account and the funds within your primary money account are depleted, we will automatically liquidate your Additional Money accounts in the following order to satisfy obligations to your account(s): Retirement Reserves I, Retirement Reserves II, Ready Asset Trust.

If you have a CMA Account and the funds within your primary money account are depleted, you may select the order in which your Additional Money accounts are automatically liquidated to satisfy obligations to your account(s) by speaking with Merrill Edge Self-Directed Investing at **877.653.4732**, or view your account agreement.

14. Representations as to account ownership and capacity to enter into agreement

You represent that no one except the person(s) signing this Agreement, or the beneficial owner(s) if signed in a representative capacity, has an interest in this account or any additional accounts opened in the future for you or for such beneficial owner(s). If this account is beneficially owned by any person who is U.S. Securities and Exchange Act Section 16 reporting person of a U.S. public company, you represent that no funds or assets belonging to such U.S. public company, or any entity affiliate of such U.S. public company, will be invested through this account. If this is an individual account, you represent that you are of legal age to contract in your jurisdiction of residence and that you are not employed by a broker-dealer or other employer whose consent is required to open and maintain this account by regulation or otherwise, unless such consent has been provided to you. If any of the foregoing representations is inaccurate or becomes inaccurate, you will promptly so advise.

You acknowledge that you fully understand English and that written documents, agreements and information concerning your relationship with Merrill Lynch, including but not limited to products, services, transactions and your accounts will be provided to you in English.

15. Electronic fund transfers

If you maintain more than one account with Merrill Lynch with the same ownership type, you may transfer funds to and from each account through Merrill Lynch's electronic funds transfer services.

You authorize Merrill Lynch to accept your telephonic or electronic instructions for those transfers.

If you open any account as the trustee for a grantor revocable living trust, you represent and warrant to Merrill Lynch that:

- The trust permits the funds transfers you are authorizing; or
- If applicable, such funds transfers represent valid partial or total revocations by you and Merrill Lynch may conclusively rely on this representation.

16. Third-party research

Merrill Lynch may offer you access to third-party research on certain U.S. and non-U.S. equity and fixed income securities. You agree that neither Merrill Lynch nor any of its affiliates bears any responsibility or liability for third-party research or its content that may be made available to you.

You assume full responsibility for any trading decision you make based on third-party research. Access to third-party research is provided for informational purposes only and does not constitute investment advice. Merrill Lynch does not endorse or otherwise adopt third-party research reports or ratings.

17. Custody of securities

Merrill Lynch will hold all securities for the Securities account in a control location acceptable to the Securities and Exchange Commission, which may include, but is not limited to: (i) a securities depository, such as the federally regulated Depository Trust Company for U.S. issuers and Euroclear for European issuers, (ii) a Federal Reserve member bank, or (iii) a mutual fund's Transfer Agent. Securities are commingled in a Merrill Lynch book-entry account, generally held in nominee name at the control location, along with securities belonging to other Merrill Lynch customers. Your securities will at all times be separately identified on the books and records of Merrill Lynch as belonging to you, and Merrill Lynch will provide you with account statements that reflect your holdings. This method of custody, which has significantly increased efficiencies and reduced the risks associated with holding customer securities, is used by all major banks, trust companies and brokerage firms and has been recognized as providing unsurpassed safety for holders of securities. With regard to the custody of your securities, Merrill Lynch acts as your agent and transmits your instructions through the appropriate control location.

Where securities are not held in nominee name, the issuer or control location, as appropriate, recognizes Merrill Lynch as your agent and honors instructions provided by Merrill Lynch on your behalf.

18. Referral Policy

Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") is an affiliate of Bank of America, N.A. and other subsidiaries of Bank of America Corporation (collectively, "Merrill Lynch"). Merrill Lynch is one of the world's largest financial institutions, serving individual consumers, small- and middle-market businesses, institutional investors, large corporations and governments with a full range of banking, investing, asset management and other financial and risk management products and services. In the event Merrill Lynch refers your business among its affiliates to provide you with certain products or services, Merrill Lynch (or its employees or representatives) may receive financial or other benefits for such referrals.

19. Freezing Accounts

If at any time Merrill Lynch believes that your account may be subject to irregular, unauthorized, fraudulent or illegal activity, we may, in our discretion, freeze the assets in the account and in other accounts you maintain with us until such time as we are able to complete our investigation of the account and transactions. If we do freeze your account assets, we will provide notice to you as soon as reasonably possible. Notice may be made by mail or verbally or provided by other means such as via www.merrilledge.com, where applicable. We may not provide this notice to you prior to freezing the account if we believe that such notice could result in a security risk to us or to the owner of the funds in the account.

20. Unclaimed property — accounts presumed abandoned

State and federal law and Merrill Lynch policy govern when accounts are considered abandoned. The applicable state law is generally the state listed as the primary mailing address for your account. Your account could be considered abandoned after one piece of mail is returned to us by the U.S. Postal Service. For accounts with electronic statement delivery preferences, if the Firm attempts to deliver your correspondence electronically and we receive notice that your email address is no longer valid, Merrill Lynch will mail via U.S. Postal Service a notice to the primary mailing address on your account asking that you update your email address. If your mailing address is invalid and the mailed notice is returned by the post office, your account may be considered abandoned. Also, your account may be considered abandoned if there has not been any client-initiated activity for a period of three to five years. Client-initiated activity includes, but is not limited to, reviewing account activity online, calling a Merrill Lynch call center, transacting in your account, or voting proxies.

Merrill Lynch is required by the unclaimed property laws to turn over accounts considered abandoned to the applicable state. Before Merrill Lynch turns over an abandoned account, the Firm may send a notice to the primary mailing address on the account. Merrill Lynch may also utilize a third-party search vendor to locate a better address to notify you of your abandoned account prior to turning your account over to the state of last known address. After Merrill Lynch turns the funds over to the state, Merrill Lynch has no further liability to you for the funds and/or securities. You must apply to the appropriate state agency to claim your funds. The state may liquidate any securities once your shares are remitted to them.

If Merrill Lynch considers your account abandoned, then (unless prohibited by federal or state law) we may:

- Stop sending correspondence.
- Refuse to pay items drawn on or payable out of the account.
- Charge regular account fees according to the type of account you maintain with us.

If you re-establish contact with Merrill Lynch, we do not have to reimburse you for these fees.

21. Account owners with Texas mailing address

Clients with a mailing address in the state of Texas may appoint a designee who can respond to abandoned property notifications on the client's behalf and prevent an account from being classified as abandoned and turned over to the state of Texas. Please contact Merrill Edge Self-Directed Investing at 877.653.4732 or the Abandoned Property Department at 800.581.5858 for additional information.



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Investment products:

Are Not FDIC Insured	Are Not Bank Guaranteed	May Lose Value
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