

BUSINESS ACCOUNT APPLICATION

CLEAR FORM



FIRST REPUBLIC SECURITIES COMPANY, LLC

It's a privilege to serve you®

111 Pine Street, San Francisco, CA 94111 www.firstrepublic.com

1-877-348-5576 Toll free fax 888-258-6188

1. ESTABLISH YOUR FIRST REPUBLIC SECURITIES ACCOUNT

Complete all sections below. As required by federal law, First Republic Securities Company will use the information provided below to verify your business and the identity of all authorized users. Sole proprietors use New Account Application form FRSC 710.

REGISTRATION (Check only one)

- Corporation (Corporate Resolution and Articles of Incorporation required)
- Limited Liability Company (Complete LLC Agreement and provide Articles of Organization)
- Partnership (Complete Partnership Agreement Form)
- Investment Club (Complete Investment Club Account Agreement)
- Non-Profit (Corporate Resolution and Articles of Incorporation required)
- Pension Plan (Copy of Pension Plan required)

TYPE OF ACCOUNT

- Cash
- Margin (Complete Additional Margin Agreement Form)
- Option (Complete Additional Option Agreement Form)

FOR OFFICE USE ONLY
ACCOUNT NUMBER
DATE OPENED

2. BUSINESS ACCOUNT INFORMATION

TITLE OF ACCOUNT		
TYPE OF BUSINESS	TAX ID NUMBER	
LEGAL ADDRESS (NO P.O. BOXES)	CITY, STATE, ZIP CODE	PHONE NUMBER
MAILING ADDRESS (IF DIFFERENT FROM ABOVE; P.O. BOXES MAY BE USED)	CITY, STATE, ZIP CODE	

3. FINANCIAL PROFILE OF BUSINESS

Securities industry regulations require that we collect this information.

APPROXIMATE ANNUAL REVENUES

- Under \$25,000
- \$25,000-\$74,999
- \$75,000-\$199,999
- \$200,000-\$299,999
- \$300,000 or More

LIQUID NET WORTH

- Under \$25,000
- \$25,000-\$99,999
- \$100,000-\$499,999
- \$500,000-\$999,999
- \$1,000,000 or More

FEDERAL INCOME TAX BRACKET

- Low (0-15%)
- Medium (15.1%-32%)
- High (32.1%-50%)

OVERALL INVESTMENT OBJECTIVE OF ACCOUNT

- Capital Preservation
- Income
- Growth
- Speculation

INVESTMENT OBJECTIVE DEFINITIONS

Capital Preservation: The objective of capital preservation is to protect your initial investment by choosing investments that minimize the potential of any loss of principal. The long-term risk of capital preservation is that the returns may not be adequate to offset inflation.

Income: The primary objective of an income strategy is to provide current income rather than long-term growth of principal.

Growth: The objective of a growth strategy is to increase the value of your investment over time while recognizing a high likelihood of volatility.

Speculation: A speculator's objective is to assume a higher risk of loss in anticipation of potentially higher-than-average gain by taking advantage of expected price changes.

RISK EXPOSURE

- Low
- Moderate
- Speculative
- High Risk

BUSINESS ACCOUNT APPLICATION (CONTINUED)

4. SELECT YOUR ACCOUNT FEATURES

EARN INCOME ON YOUR CASH

You may choose to have the cash balance in your Account earn taxable interest or be invested into one of the money market funds listed below. If you make no selection, your Account will receive taxable interest on your cash balances, as described in this Agreement.

SELECT ONLY ONE OF THE FOLLOWING CHOICES FOR YOUR ACCOUNT.

Taxable Income

- Eagle Bank Sweep (for non-profits only)
- Dreyfus Government Prime Cash Fund
- Dreyfus Treasury Prime Cash Fund
- Dreyfus Government Cash Management
- Dreyfus Cash Management

Tax-Exempt Income*

- Federated New York Muni Cash Trust II
- Federated New Jersey Muni Cash Trust
- Federated Florida Muni Cash Trust II
- Federated California Muni Cash Trust II
- Federated Municipal Trust
- Dreyfus General California Money Market Fund

*Income may be subject to the federal alternative minimum tax (AMT).

5. USA PATRIOT ACT INFORMATION

PLEASE PROVIDE THE NAMES AND ADDRESSES OF YOUR BANKS:

What is the source of funds for this Account? (Check only one)

- Income From Earnings Investment Proceeds Gifts Sale of Business Inheritance Legal Settlement
- Insurance Proceeds Other (please specify) _____

Are you or anyone with an interest in this account either:

(1) a senior military, governmental, or political official of a non-U.S. country or (2) closely associated with an immediate family member of such an official? Yes No

If yes, identify the name of the official, office held and country: _____

Is this account a Private Banking Account as defined under the USA PATRIOT Act? Yes No

Is this an account for a Foreign Bank as defined under the USA PATRIOT Act? Yes No

Is this account for a Foreign Financial Institution (e.g. non-U.S. bank; non-U.S. branch of a U.S. bank; broker-dealer; futures merchant; commodities introducing broker; mutual fund; money transmitter or currency exchange)? Yes No

If yes, is this a Foreign Bank Account operating under on Offshore Banking License? Yes No

If yes, is this a Foreign Bank Account operating under a banking license issued by a Non-Cooperative Country or Territory? Yes No

If yes, is this a Foreign Bank Account operating under a banking license issued by a jurisdiction subject to Section 311 measures? Yes No

If the answer to any of the three questions above is yes, how many people or entities own 10% or more of the Bank (if its shares are not publicly traded)? _____

If the number is greater than zero, a Foreign Bank Beneficial Ownership form must accompany this request.

BUSINESS ACCOUNT APPLICATION (CONTINUED)

6. AUTHORIZED INDIVIDUAL (To be completed by the person signing this agreement)

<input type="checkbox"/> MR. <input type="checkbox"/> MRS. <input type="checkbox"/> MS. <input type="checkbox"/> DR. NAME (FIRST) (MIDDLE) (LAST)			POSITION/TITLE
INDIVIDUALS RESIDENTIAL STREET ADDRESS (NO P.O. BOXES)		CITY, STATE, ZIP CODE, COUNTRY	
HOME TELEPHONE NUMBER ()	BUSINESS TELEPHONE NUMBER ()	CELL PHONE NUMBER ()	E-MAIL ADDRESS
PHOTO ID, DL, STATE ID OR PASSPORT NUMBER (PLEASE ATTACH A LEGIBLE PHOTOCOPY)			ARE YOU KNOWN BY ANOTHER NAME? SPECIFY
SOCIAL SECURITY/TAX ID NUMBER	DATE OF BIRTH (MM/DD/YYYY)	FOR SECURITY PURPOSES PLEASE SUPPLY YOUR MOTHER'S MAIDEN NAME	
COUNTRY OF CITIZENSHIP <input type="checkbox"/> USA <input type="checkbox"/> OTHERS: _____		COUNTRY OF LEGAL RESIDENCE <input type="checkbox"/> USA <input type="checkbox"/> OTHER: _____	
LIST LIST ANY SECURITIES FIRM(S) YOU ARE EMPLOYED BY OR IN WHICH YOU ARE A DIRECTOR OR OWNER. SPECIFY:			
LIST ALL PUBLICLY TRADED COMPANIES IN WHICH YOU ARE A DIRECTOR, 10% SHAREHOLDER OR POLICY-MAKING OFFICER. SPECIFY:			
MARITAL STATUS <input type="checkbox"/> SINGLE <input type="checkbox"/> MARRIED <input type="checkbox"/> DIVORCED <input type="checkbox"/> WIDOWED		NUMBER OF DEPENDENTS	
INVESTMENT KNOWLEDGE <input type="checkbox"/> NONE <input type="checkbox"/> LIMITED <input type="checkbox"/> GOOD <input type="checkbox"/> EXTENSIVE		INVESTMENT EXPERIENCE <input type="checkbox"/> NONE <input type="checkbox"/> LIMITED <input type="checkbox"/> GOOD <input type="checkbox"/> EXTENSIVE	

7. AUTHORIZED INDIVIDUAL (To be completed by the person signing this agreement)

<input type="checkbox"/> MR. <input type="checkbox"/> MRS. <input type="checkbox"/> MS. <input type="checkbox"/> DR. NAME (FIRST) (MIDDLE) (LAST)			POSITION/TITLE
INDIVIDUALS RESIDENTIAL STREET ADDRESS (NO P.O. BOXES)		CITY, STATE, ZIP CODE, COUNTRY	
HOME TELEPHONE NUMBER ()	BUSINESS TELEPHONE NUMBER ()	CELL PHONE NUMBER ()	E-MAIL ADDRESS
PHOTO ID, DL, STATE ID OR PASSPORT NUMBER (PLEASE ATTACH A LEGIBLE PHOTOCOPY)			ARE YOU KNOWN BY ANOTHER NAME? SPECIFY
SOCIAL SECURITY/TAX ID NUMBER	DATE OF BIRTH (MM/DD/YYYY)	FOR SECURITY PURPOSES PLEASE SUPPLY YOUR MOTHER'S MAIDEN NAME	
COUNTRY OF CITIZENSHIP <input type="checkbox"/> USA <input type="checkbox"/> OTHERS: _____		COUNTRY OF LEGAL RESIDENCE <input type="checkbox"/> USA <input type="checkbox"/> OTHER: _____	
LIST LIST ANY SECURITIES FIRM(S) YOU ARE EMPLOYED BY OR IN WHICH YOU ARE A DIRECTOR OR OWNER. SPECIFY:			
LIST ALL PUBLICLY TRADED COMPANIES IN WHICH YOU ARE A DIRECTOR, 10% SHAREHOLDER OR POLICY-MAKING OFFICER. SPECIFY:			
MARITAL STATUS <input type="checkbox"/> SINGLE <input type="checkbox"/> MARRIED <input type="checkbox"/> DIVORCED <input type="checkbox"/> WIDOWED		NUMBER OF DEPENDENTS	
INVESTMENT KNOWLEDGE <input type="checkbox"/> NONE <input type="checkbox"/> LIMITED <input type="checkbox"/> GOOD <input type="checkbox"/> EXTENSIVE		INVESTMENT EXPERIENCE <input type="checkbox"/> NONE <input type="checkbox"/> LIMITED <input type="checkbox"/> GOOD <input type="checkbox"/> EXTENSIVE	

BUSINESS ACCOUNT APPLICATION (CONTINUED)

9. TRADING AUTHORIZATION

Will you be giving discretion over this account to another? Yes No If so, to whom? _____

Trading Authorization and Additional Authorized Individual Information Form FRB 720-10/04 must be completed

INVESTMENT PRODUCTS OFFERED BY FIRST REPUBLIC SECURITIES AND PERSHING:
ARE NOT FDIC INSURED MAY LOSE VALUE ARE NOT BANK GUARANTEED

I understand that investments products offered by First Republic Securities and Pershing are not insured by the FDIC, are not deposits or other obligations of or guaranteed or endorsed by First Republic Bank, First Republic Securities, Pershing, or any of their affiliates, and involve investment risk, including possible loss of principal invested.

I certify under penalty of perjury that (1) the number shown on this application is my correct taxpayer identification number; (2) I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest and dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and (3) I am a U.S. person (including a U.S. resident alien). (I understand that if I have been notified by the IRS that I am subject to backup withholding as a result of dividend or interest underreporting and I have not received a notice from the IRS advising me that backup withholding is terminated, I must strike or cross out the information contained in Item 2 above.) The IRS does not require my consent to any provision of this document other than the certifications required to avoid backup withholding.

NOTICE: This document contains a pre-dispute clause, which appears in paragraphs 14 & 15 of this Agreement.

List any additional officers, directors, owners or members below and provide their information for identification verification purposes on the subsequent pages:

10. SIGNATURE(S) REQUIRED

X
AUTHORIZED SIGNATURE PRINT NAME DATE
TITLE NAME OF BUSINESS

X
AUTHORIZED SIGNATURE PRINT NAME DATE
TITLE NAME OF BUSINESS

X
AUTHORIZED SIGNATURE PRINT NAME DATE
TITLE NAME OF BUSINESS

FOR OFFICE USE ONLY RR is registered in the State of Customer's residence Initial Transaction _____
Referred By _____

RR SIGNATURE AUTHORIZED SUPERVISOR'S SIGNATURE DATE

ACCOUNT NUMBER ASSIGNED [grid] RR# AC CATEGORY MEMBER FINRA / SIPC

BUSINESS ACCOUNT APPLICATION (CONTINUED)

■ NEW ACCOUNT TERMS AND DISCLOSURE

First Republic Securities Company, LLC ("FRSC") is not a bank. Non-deposit, investment products offered through FRSC are not insured by the FDIC; are not deposits or other obligations of, guaranteed by or endorsed by FRSC, First Republic Bank, Pershing, or any of their respective affiliates; and involve investment risk, including possible loss of the principal amount invested.

The following terms and conditions, as amended or supplemented from time to time by FRSC, as well as the additional terms and conditions imposed from time to time by the Clearing Broker, shall apply to customer brokerage accounts.

1. **Clearing Arrangement:** FRSC has entered into an agreement with Pershing LLC ("Clearing Broker"), to execute and clear all brokerage transactions for the undersigned's account. The undersigned hereby authorizes FRSC to accept all orders and instructions, execute all transactions, and perform any other activity on the undersigned's behalf with respect to the assets held in the undersigned's account at the Clearing Broker. The undersigned recognizes that FRSC may, in the future, change the clearing broker it uses to execute and clear transactions in the undersigned's account. The undersigned hereby authorizes FRSC to move the undersigned's account to another clearing broker, provided FRSC provides the undersigned with prior notice of any such change ("Notice"). If the undersigned has not provided FRSC with written notice that the undersigned does not want the undersigned's account transferred to another clearing broker within the time period specified in the Notice, the undersigned shall be deemed to have consented to any such transfer.

2. **Allocation of Services:** FINRA Rule 3230 requires that FRSC and Clearing Broker allocate between them certain functions regarding the administration of the undersigned's brokerage account. The following is a summary of the allocation services performed by FRSC and Clearing Broker. A more complete description is available upon request.

FRSC is responsible for: (1) obtaining and verifying brokerage account information and documentation, (2) opening, approving, and monitoring the undersigned's brokerage account, (3) transmitting timely and accurate instructions to Clearing Broker with respect to the undersigned's brokerage account, (4) determining the suitability of FRSC's investment recommendations and advice (if any) to the undersigned, (5) operating and supervising the undersigned's brokerage account and its own activities in compliance with applicable laws and regulations, including compliance with margin rules pertaining to the undersigned's margin account (if applicable), and (6) maintaining the required books and records for the services it performs.

Clearing Broker shall perform the following tasks at the direction of FRSC: (1) execute, clear and settle transactions processed through Clearing Broker by FRSC, (2) prepare and send transaction confirmations and periodic statement of the undersigned's brokerage account, (3) act as custodian for funds and securities received by Clearing Broker on the undersigned's behalf, (4) follow the instructions of FRSC with respect to transactions and receipt and delivery of funds and securities for the undersigned's brokerage account, and (5) extend margin credit for purchasing or carrying securities on margin.

3. **Provisions in the event of Failure to Pay or Deliver:** The undersigned agrees to pay, on or before the settlement date, the cost of securities purchased through the account. Whenever the undersigned does not, on or before the settlement date, pay in full for any security purchased for the account of the undersigned, or deliver any security sold for such account, FRSC is authorized (subject to the provisions of any applicable statute, rule or regulation), until payment or delivery is made in full, to pledge, repledge, hypothecate, or rehypothecate, without notice, any or all securities which FRSC may hold for the undersigned (either individually or jointly with others); separately or in common with other securities or commodities, or any other property, for the sum then due or for a greater or lesser sum and without retaining possession and control of delivery for the account of the undersigned, or to cancel any or all outstanding orders or commitments for the account of the undersigned.

4. **Cancellation Provisions:** FRSC is authorized, in FRSC's discretion, should the undersigned die or should FRSC for any reason whatsoever deem it necessary for FRSC's protection, without notice, to cancel any outstanding orders in order to close out the accounts of the undersigned, in whole or in part, or to close out any commitment made on behalf of the undersigned.

5. **General Provisions:** Any sale, purchase or cancellation authorized hereby may be made according to FRSC's judgment and at FRSC's discretion on the Exchange or other market where such business is then usually transacted, or at public auction, or at private sale without advertising the same and without any notice, prior tender, demand or call; and FRSC may purchase the whole or any part of such securities free from any right of redemption, and the undersigned shall remain liable for any deficiency. It is further understood that any notice, prior tender, demand or call from FRSC shall not be considered a waiver of any provision of this Agreement. The undersigned shall include any person executing this Agreement on the front thereof.

6. **Age:** The undersigned, if an individual, represents that he or she is of legal age.

7. **Interest in Account:** No one except the undersigned has an interest in any of its accounts with FRSC and Clearing Broker unless such interest is revealed in the title of such account and in any case the undersigned had the interest indicated in such title.

8. **Execution of Orders:** You acknowledge that when entering an order with FRSC, whether online or otherwise, regardless of type of order, including market orders, does not guarantee execution of the order, and agree that FRSC shall not be responsible for any order that is not executed. You also acknowl-

edge that the Market Centers, Exchanges, and Electronic Communications Networks (ECN's) have the right to break any executed trade on the grounds that it was, in their opinion, "clearly erroneous." You agree that if any of these parties break any of your trades, the trades will be eliminated from your account as if they never happened."

9. **Orders and Statements:** Reports of the execution of orders and statements of the account of the undersigned shall be conclusive if not objected to in writing, the former within two days and the latter within ten days, after forwarding by FRSC or Clearing Broker to the undersigned by mail or otherwise.

10. **Force Majeure:** FRSC or clearing broker shall not be liable for loss or delay caused directly or indirectly by war, acts of terrorism, natural disasters, government restrictions, exchange or market rulings or other conditions beyond FRSC's or clearing broker's control.

11. **Fees and Charges:** The undersigned agrees to the fees and charges on the fee schedule received by the undersigned. FRSC and Clearing Broker may change the fee schedule from time to time.

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

13. **Address:** Communications may be sent to the undersigned at the current address of the undersigned which is on file at FRSC and Clearing Broker's office, or as such other address as the undersigned may hereafter give FRSC and Clearing Broker in writing. All communications must be sent, whether by mail, telegraph, messenger or otherwise, shall be deemed given to the undersigned personally, whether actually received or not.

14. **Recording Conversation:** The undersigned understands and agrees that for our mutual protection FRSC and Clearing Broker may electronically record any of our telephone conversations.

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

- ALL PARTIES TO THIS AGREEMENT ARE GIVING UP THE RIGHT TO SUE EACH OTHER IN COURT, INCLUDING THE RIGHT TO A TRIAL BY JURY, EXCEPT AS PROVIDED BY THE RULES OF THE ARBITRATION FORUM IN WHICH A CLAIM IS FILED.
- ARBITRATION AWARDS ARE GENERALLY FINAL AND BINDING; A PARTY'S ABILITY TO HAVE A COURT REVERSE OR MODIFY AN ARBITRATION AWARD IS VERY LIMITED.
- THE ABILITY OF THE PARTIES TO OBTAIN DOCUMENTS, WITNESS STATEMENTS, AND OTHER DISCOVERY IS GENERALLY MORE LIMITED IN ARBITRATION THAN IN COURT PROCEEDINGS.
- THE ARBITRATORS DO NOT HAVE TO EXPLAIN THE REASON(S) FOR THEIR AWARD.
- THE PANEL OF ARBITRATORS WILL TYPICALLY INCLUDE A MINORITY OF ARBITRATORS WHO WERE OR ARE AFFILIATED WITH THE SECURITIES INDUSTRY.
- THE RULES OF SOME ARBITRATION FORUMS MAY IMPOSE TIME LIMITS FOR BRINGING A CLAIM IN ARBITRATION. IN SOME CASES, A CLAIM THAT IS INELIGIBLE FOR ARBITRATION MAY BE BROUGHT IN COURT.
- THE RULES OF THE ARBITRATION FORUM IN WHICH THE CLAIM IS FILED, AND ANY AMENDMENTS THERETO, SHALL BE INCORPORATED INTO THIS AGREEMENT.

16. **AGREEMENT TO ARBITRATE CONTROVERSIES:** IT IS AGREED THAT ANY CONTROVERSY BETWEEN US ARISING OUT OF FRSC AND CLEARING BROKER'S BUSINESS OR THIS AGREEMENT, SHALL BE SUBMITTED TO ARBITRATION CONDUCTED BEFORE THE NATIONAL ASSOCIATION OF SECURITIES DEALERS, INC. AND IN ACCORDANCE WITH ITS RULES ARBITRATION MUST BE COMMENCED BY SERVICE UPON THE OTHER PARTY OF A WRITTEN DEMAND FOR ARBITRATION OR A WRITTEN NOTICE OF INTENTION TO ARBITRATE. 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 ACTION WHO HAS NOT OPTED OUT OF THE CLASS WITH RESPECT TO ANY CLAIMS ENCOMPASSED BY THE PUTATIVE CLASS ACTION UNTIL: (i) THE CLASS VERIFICATION IS DENIED; (ii) THE CLASS ACTION 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.

17. **Money Laundering Compliance:** FRSC and Clearing Broker are subject to numerous complex laws. Some of those laws require FRSC to attempt to prevent money laundering through FRSC accounts. The undersigned recognizes that FRSC must verify, among other things, the undersigned's identity and the

BUSINESS ACCOUNT APPLICATION (CONTINUED)

NEW ACCOUNT TERMS AND DISCLOSURE

- source of the undersigned's funds to ensure the undersigned is not a person, or acting on behalf of a person, that FRSC and Clearing Broker are legally precluded from doing business with or that the undersigned's funds have not been acquired through illegitimate means. The undersigned agrees to make every reasonable effort to comply in a timely manner with any request from FRSC and Clearing Broker for documents or other information concerning the undersigned, the undersigned's business, or the undersigned's funds. The undersigned recognizes that FRSC may refuse to open an account or may close an account if FRSC is unable to verify, among other things, the undersigned's identity or the source of funds.
18. **Governing Law:** These provisions and their enforcement shall be governed by the laws of the State of New York; shall cover individually and collectively all accounts that the undersigned may open or reopen and shall inure to the benefit of FRSC and its successors, whether by merger, consolidation or otherwise, and assigns, and FRSC may transfer the account to its successors and assigns, and this Agreement shall be binding upon the undersigned's heirs, executors, administrators, successors and assigns.
 19. **FRSC's Rights:** The undersigned hereby authorizes FRSC to enforce and collect any rights it or Clearing Broker may have under the undersigned's agreements with us, and agrees to reimburse FRSC for any payments FRSC may have to make to Clearing Broker or any third-party with respect to the undersigned's account held at Clearing Broker, the transactions executed for that account, or the property held in that account. The reasonable costs and expenses of collection of any debit balance or any unpaid deficiency in the account including, but not limited to, attorney's fees, incurred and payable or paid by FRSC, shall be reimbursed by the undersigned.
 20. **Calls for Additional Collateral and Liquidations:** FRSC or Clearing Broker has the right to require additional collateral or the liquidation of any securities and other property in the undersigned's accounts whenever in their sole discretion FRSC or Clearing Broker considers it necessary for their protection. FRSC and Clearing Broker may do so under circumstances which include, but are not limited to, the failure to promptly meet any call for additional collateral, the filing of a petition in bankruptcy, the appointment of a receiver by or against the undersigned or the attachment or levy against any account in which the undersigned has an interest. In such event, the undersigned authorizes FRSC and Clearing Broker to sell any property in any of the undersigned's accounts whether carried individually or jointly with others, to cancel any open orders and to close any outstanding contracts, all without demand for additional collateral, notice of sale or purchase, or other notice or advertisement, each of which is expressly waived by the undersigned. Any such sale or purchases may be made at FRSC's or Clearing Broker's discretion on any Exchange or other market where such business is usually transacted or at public auction or private sale, and FRSC or Clearing Broker may be the purchaser or seller for its own account. The undersigned recognizes that any prior demand or call, or prior notice of such sale or purchase, shall not be considered a waiver of FRSC's or Clearing Broker's right to sell or buy without demand or notice as provided herein.
 21. **Liens:** The undersigned agrees to grant FRSC and Clearing Broker a security interest in all securities and other property in Clearing Broker's possession in which the undersigned has an interest in order to secure any and all indebtedness or any other of the undersigned's obligations to FRSC or Clearing Broker. All securities and other property shall be held as security for the payment of any such obligations or indebtedness in any account in which the undersigned has an interest, and FRSC or Clearing Broker may, in its sole discretion, at any time and without prior notice, sell and/or transfer any or all securities and other property in order to satisfy such obligations.
 22. **Authority to Borrow:** In case of the sale of any security or other property by Clearing Broker at the undersigned's direction and Clearing Broker's inability to timely deliver the same to the purchaser by reason of the undersigned's failure to supply Clearing Broker therewith, the undersigned authorizes Clearing Broker to purchase or borrow any security or other property necessary to make the required delivery, and the undersigned agrees to be responsible for any loss or cost, including interest, which Clearing Broker sustains as a result of the undersigned's failure to make delivery to Clearing Broker.
 23. **Representations:** Unless the undersigned has advised FRSC and Clearing Broker otherwise in writing, the undersigned represents that the undersigned is not an employee or member of any securities exchange (or corporation of which any exchange owns a majority of capital stock), the FINRA, or of any broker-dealer or investment advisory firm or institution that purchases securities, nor is the undersigned a member of the immediate family of such a person. Unless the undersigned has advised FRSC and Clearing Broker otherwise in writing the undersigned represents that the undersigned is not a director, 10% shareholder, policy-making executive or otherwise an affiliate (as defined under Rule 144 under the Securities Act of 1933) of a publicly traded company. The undersigned further represents that the undersigned is financially capable of satisfying any obligations undertaken through the undersigned's account. The undersigned also represents that no one except the person(s) named on the account has any interest in the account. The undersigned will promptly notify FRSC and Clearing Broker in writing if any of the above circumstances change. The undersigned acknowledges that the undersigned knowingly and willingly assumes such risk.
 24. **Affiliations:** The undersigned agrees to not buy or sell any securities of a corporation or other entity of which the undersigned is an affiliate within the meaning of the federal securities laws, or sell any restricted securities except in compliance with applicable laws and regulations, including, without limitation, federal and state securities laws and regulations, and without providing prior written notice to FRSC that the securities are restricted.
 25. **Account Protection:** Customer accounts maintained with Clearing Broker are covered by SIPC protection up to \$500,000 (cash claims are limited to \$100,000). Deposits held through the account are not covered by SIPC. Please note that SIPC coverage is limited to replacing securities and cash held as a credit balance at a clearing broker that may disappear in a bankruptcy of Clearing Broker, and does not protect the account from decline in value of securities held. The non-deposit assets in the undersigned's brokerage account are not insured by the FDIC, are not bank deposits, and may lose value. Any U.S. bank deposits held through the account are insured by the FDIC up to applicable FDIC insurance limits of \$100,000 (now through 2013 coverage is \$250,000 for each depositor) for most accounts and \$250,000 for Individual Retirement accounts and certain other self-directed pension and retirement accounts in the aggregate with any other deposits held by the customer in the same right and capacity at the same bank.
 26. **Changes to these Terms and Conditions or to Services Provided:** At any time, FRSC may amend any of the terms and conditions applicable to brokerage accounts of customers and/or may change the services provided by FRSC to the undersigned, including any sweep options that FRSC may offer for cash balances in the undersigned's brokerage account. FRSC reserves the right, in its discretion, to notify the undersigned of any such modifications to these terms and conditions and/or to the services provided by FRSC by sending a written notice to the undersigned through the U.S. mail or e-mail, or by posting notice of any such modifications on the FRSC website. The undersigned agrees that if the undersigned does not close his or her account within forty-five (45) calendar days of the modification to the terms and conditions applicable to the brokerage account and/or to the services provided by FRSC, then the undersigned will be deemed to have accepted the modification, whether or not the undersigned is actually aware of the modification. However, any modifications that are required by law will be effective immediately.
 27. **Cash Balances:** FRSC (or, as applicable, the Clearing Broker) may, in its discretion, choose to pay interest on any cash balances in the undersigned's brokerage account or, if the undersigned's brokerage account is eligible, FRSC (or, as applicable, the Clearing Broker) may automatically invest any cash balances in the undersigned's brokerage account into a Bank Sweep Deposit (established at FRSC's affiliate, First Republic Bank). If the undersigned's brokerage account is not eligible for a Bank Sweep Deposit, FRSC (or, as applicable, the Clearing Broker) may automatically invest any cash balances in the undersigned's brokerage account into one or more money market mutual funds or other sweep options. If the Bank Sweep Deposit option is used, Clearing Broker, on your behalf as your agent, will establish such an account on an omnibus basis at FRSC's affiliate, First Republic Bank, and make deposits and withdrawals to the deposits account.
- FRSC will have no liability to the undersigned for lost income or otherwise, if FRSC does not automatically invest cash balances or automatically redeem shares of a money market mutual fund or transfer cash from a Bank Sweep Deposit on any day in connection with the cash sweep feature for the undersigned's brokerage account as described in this section.
- FRSC may establish and change in its sole discretion at any time the Bank Sweep Deposit, money market mutual funds, the particular share class within those money market mutual funds, free credit balance and/or other sweep options that will be available in connection with the cash sweep for the undersigned's brokerage account, and the eligibility requirements that will apply to the availability of a Bank Sweep Deposit, money market mutual funds, free credit balance or other sweep options.
- Investments in the money market mutual funds and free credit balances held at a broker are not deposits or other obligations of, or guaranteed by, any bank or depository institution, are not insured by the FDIC or any other government agency, and are subject to investment risk, including possible loss of principal amounts invested. An investment in a money market mutual fund is a security purchase and is not the same as a bank deposit. There can be no assurance that a fund will be able to maintain stable net asset value of \$1 per share.
- Bank deposit accounts used for the cash sweep may, to the extent permitted by law, be deposits at an FDIC-member bank or other depository institution affiliate of FRSC or at a bank or other depository institution that is not affiliated with FRSC, from which FRSC, Clearing Broker or their respective affiliates receive transaction and other fees that may relate to the amount of funds placed on deposit by the Clearing Broker as your agent or other factors. Deposits provide a relatively low cost source of funding for the bank or other depository institution, which is able to profit from the spread between the interest earned by the depository institution on its loans or other investments and the lower interest rate paid on the deposits. No portion of any of these fees or spreads will reduce or offset the fees otherwise due to FRSC or Clearing Broker in connection with the account unless required by law.
- Information about the Bank Sweep Deposits that are available in connection with the cash sweep, including their terms and conditions, interest rates, restrictions, and fees, is contained in the Bank Sweep Deposit Account Agreement and Truth-in-Savings Disclosure statement that are supplements to these Terms and Conditions. You should read these documents carefully. All sweep transactions between your brokerage account and a bank deposit account, if designated as your sweep option, will appear on your periodic account statements. The statements are provided in lieu of separate confirmations of those transactions.