



Schwab Personal Choice Retirement Account® (PCRA) Limited Power of Attorney (LPOA) Form To Authorize an Investment Advisor

www.schwab.com | 1-888-393-PCRA (7272)

1. Introduction

This LPOA Form should be completed only if your Retirement Plan allows you ("Participant") to hire an Investment Advisor ("IA") for your PCRA (the "Account").

This form is necessary in order to give an IA the authority to trade the assets in your PCRA on your behalf. **Please note that the IA must have an existing Investment Advisor Services Agreement with Schwab to use this form. IAs without an existing Investment Advisor Services Agreement with Schwab should complete the Schwab PCRA LPOA Form to Authorize a Third Party.**

2. Participant Information (to be completed by the Participant)

Participant Name (First)		(Middle)	(Last)	
Date of Birth (mm/dd/yyyy)		Social Security Number		Mother's Maiden Name
Home Telephone Number ()	Business Telephone Number ()	Cellular Telephone Number ()		Email Address
Retirement Plan Name*/Employer		Retirement Plan Account Number		PCRA Account Number

*If you are unsure about your Retirement Plan name, please confirm with your human resources or benefits department.

3. Investment Advisor (IA) Information (to be completed by the IA)

IA Firm Name (please print)
IA SchwabLink® Secondary Master Account Number* (Issuer communications and related actions cannot be directed on SchwabLink Secondary Master Accounts.)
Prior IA Firm Name (Complete if authorization below replaces authority previously delegated.) <input type="checkbox"/> Add <input type="checkbox"/> Change

*The Primary Master Account number cannot be used on this type of account. The IA firm must have a Secondary Master Account. (This number may be obtained from the Schwab Advisor Services Team.)

4. Participant Authorizations: Any of these authorizations may be revoked by providing written notice to Schwab. Participant should initial all areas that apply to this Account (an "X" is not sufficient).

_____ Participant Initials	Trading Authorization. I authorize Schwab to execute trades in my Account at the direction of my IA as provided under the Trading Authorization heading in Section 6 (if allowed by my Plan).
_____ Participant Initials	Fee Payment Authorization. I authorize Schwab to pay investment advisory and related fees to my IA from my Account in the amount of my IA's instructions (if allowed by my Plan).

5. Fee Schedule (to be completed by the IA): IA will use the Schwab PCRA fee schedule unless noted below.

Use IA's fee schedule instead of the Schwab PCRA fee schedule.



6. Agreement

The terms “I,” “me” and “my,” as used throughout this form, refer to the PCRA Participant. I understand that this Limited Power of Attorney (LPOA) amends my Account Agreement.

Trading Authorization. If I have indicated on this LPOA that the Investment Advisor (IA) named above, which I understand may be referred to as “Investment Advisor” or “IA” in other documentation relating to my Account, will have the authority to direct Charles Schwab & Co., Inc. (“Schwab”) to execute trades in my Account, I authorize Schwab to accept instructions from the IA regarding my Account, and to take all other actions necessary or incidental to the execution of such instructions, as IA shall direct. Schwab, and other people to whom Schwab has given instructions in order to implement the IA’s instructions, may rely on IA’s instructions without obtaining my approval, counter-signature or co-signature. IA’s authority will include, without limitation other than my Retirement Plan’s trading restrictions, the authority to give instructions for transactions in securities and financial instruments, including the buying and selling of stocks, bonds, debentures, notes, subscription warrants, stock purchase warrants, covered options (if my Plan allows and if I have authorized trading covered options, and only up to my approved level of options trading strategy), mutual fund shares, evidences of indebtedness and any other securities, instruments or contracts relating to securities.

I authorize Schwab to take such actions as Schwab deems reasonably necessary to carry out instructions Schwab receives from me and/or IA. I further authorize Schwab, acting upon IA’s instructions, to aggregate transaction orders in my Account with orders for one or more other accounts over which IA has trading authorization or to accept or deliver assets in transactions executed by other broker-dealers where IA has so aggregated orders. I agree that if any such aggregated order is executed in more than one transaction, my portion of such order may be deemed to have been executed at the weighted average of the prices at which all of such transactions were executed.

Uninvested Funds. All uninvested funds held within Participant’s PCRA will be automatically invested (swept) into the sweep vehicle that Plan Sponsor has selected. It is the responsibility of the Participant to allocate funds to other investments, if so desired, once funds have been invested (swept) into the sweep vehicle.

Fee Payment Authorization. If I have indicated on this Agreement that my IA will have fee payment authority over my Account, I authorize Schwab to pay investment advisory and related fees from my Account to my IA in the amount of my IA’s instructions. I have authorized my IA in writing to receive fee payments directly from my Account. Schwab may rely on the instructions submitted by my IA, and will have no responsibility to confirm those instructions with me or verify the fees. I further represent that the payment of such fees from my Account to my IA is permitted under the terms of the Plan. Schwab is directed

to redeem money market fund shares in my Account to the extent necessary to pay these fees. My IA’s fees debited from my Account will appear on Schwab’s statements of my Account.

Termination of Authorizations. The authorizations I have granted in this LPOA will remain effective until I or IA have revoked or terminated any of them by giving notice to Schwab, either by mail, facsimile, or messenger. I understand that I may revoke or terminate all authorizations or designations conferred herein at any time. Unless revoked or terminated by me, all authorizations and designations conferred herein to IA shall continue to apply to IA’s successors or assigns. Such revocation will not affect my obligation resulting from transactions initiated prior to Schwab’s receipt of such notice. I understand that if Schwab terminates its IA Services Agreement with IA, Schwab will not be obligated to honor any further instructions from IA; I will have exclusive control over, and responsibility for, my Account. Schwab will notify me as soon as reasonably possible after any such termination.

Products and Services Provided to IA. Schwab may provide IA, at no fee or at a discounted fee, with research, software and other technology, information and consulting services, and other products and services that benefit IA. Schwab’s provision of these products and services to IA may be based upon clients of IA placing a certain amount of assets in their brokerage accounts at Schwab (i.e., custodial assets at Schwab) within a certain period of time. These products and services may not necessarily benefit my Account.

Pricing. Schwab and IA may agree to pricing (including commissions and transaction account and service fees) for my Account and IA’s other clients’ accounts at Schwab based upon the nature and scope of business that IA transacts with Schwab, including the current and future expected amount of IA’s clients’ assets custodied at Schwab, the types of securities managed by IA and/or expected frequency of IA’s trading. Schwab may change this pricing if the nature and scope of business that IA transacts with Schwab changes or does not reach agreed-upon levels, in which case pricing for IA’s clients’ accounts, including my Account, may increase to an amount determined by Schwab not to exceed Schwab’s standard pricing.

Indemnification. I agree to indemnify and hold harmless Schwab, its affiliates and their directors, officers, employees and agents for and against all claims, actions, costs and liabilities, including attorneys’ fees, arising out of or relating to: (1) their reliance on this LPOA and (2) Schwab’s execution of IA’s instructions.

Role of Charles Schwab & Co., Inc. I acknowledge and agree that: Schwab will merely carry out transactions as directed by me and/or my IA as the case may be; I (not Schwab) am responsible for investigating and selecting IA; IA is not affiliated with, or controlled or employed by, Schwab; and Schwab has no duty to supervise or monitor trading by me or by IA

in my Account. Schwab will send me written confirmation of my trades executed through Schwab and monthly statements of all activity in my Account. I authorize Schwab to obtain from IA, and IA to provide Schwab, information regarding my Account as Schwab may reasonably request. If any of IA’s employees are associated with a member of the Financial Industry Regulatory Authority (FINRA) or with a municipal securities broker-dealer, Schwab is authorized to deliver information concerning my Account to such member upon request. Schwab may provide IA, at no fee or at a discounted fee, with research, software and other technology, information and consulting services and other products and services that benefit IA. These products and services may not necessarily benefit my Account.

I acknowledge, understand and agree that (1) the Schwab Advisor Network® (“Network”) member advisors pay Schwab fees to be members; (2) Network member advisors, including IA, are independent and not employees or agents of Schwab; (3) Schwab prescreens Network member advisors and checks their experience and credentials against criteria Schwab sets; (4) IA’s membership in Schwab Advisor Network does not change that (A) I am solely responsible for (i) the decision to hire IA, (ii) what authority to give IA and (iii) evaluating IA’s services and performance; and (B) Schwab (i) does not supervise IA and (ii) takes no responsibility to monitor IA’s performance or transactions in the Account.

Required Arbitration Disclosures. Regulatory authorities require that any brokerage agreement containing a predispute arbitration agreement must disclose that this agreement contains a predispute arbitration clause. This Agreement contains a predispute arbitration clause. By signing an arbitration agreement, the parties agree as follows:

- All parties to this Agreement are giving up the right to sue each other in court, including the right to a trial by jury, except as provided by the rules of the arbitration forum in which a claim is filed.
- Arbitration awards are generally final and binding; a party’s ability to have a court reverse or modify an arbitration award is very limited.
- The ability of the parties to obtain documents, witness statements and other discovery is generally more limited in arbitration than in court proceedings.
- The arbitrators do not have to explain the reason(s) for their award unless, in an eligible case, a joint request for an explained decision has been submitted by all parties to the panel at least 20 days prior to the first scheduled hearing date.
- The panel of arbitrators will typically include a minority of arbitrators who were or are affiliated with the securities industry.
- The rules of some arbitration forums may impose time limits for bringing a claim in arbitration. In some cases, a claim that is



6. Agreement (Continued)

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.

No person shall bring a putative or certified class action to arbitration, nor seek to enforce any predispute arbitration agreement against any person who has initiated in court a putative class action; or who is a member of a putative class who has not opted out of the class with respect to any claims encompassed by the putative class action until:

1. the class certification is denied;
2. the class is decertified; or
3. 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.

Arbitration Agreement. Any controversy or claim arising out of or relating to (i) this Agreement, any other agreement with Schwab, an instruction or authorization provided to Schwab or the breach of any such agreements, instructions, or authorizations; (ii) the Account, any other Schwab account or Services; (iii) transactions in the Account or any other Schwab account; (iv) or in any way arising from the relationship with Schwab, its parent, subsidiaries, affiliates, officers, directors, employees, agents or service providers ("Related Third Parties"), including any controversy over the arbitrability of a dispute, will be settled by arbitration.

This arbitration agreement will be binding upon and inure to the benefit of the parties hereto and their respective representatives, attorneys-in-fact, heirs, successors, assigns and any other persons having or claiming to have a legal or beneficial interest in the Account, including court-appointed trustees and receivers. This arbitration agreement will also inure to the benefit of third-party service providers that assist Schwab in providing Services ("Third-Party Service Providers") and such Third-Party Service Providers are deemed to be third-party beneficiaries of this arbitration agreement.

The parties agree that this arbitration agreement will apply even if the application to open the Account is denied and will survive the closure of your Account and/or the termination of services rendered under this Agreement.

Such arbitration will be conducted by, and according to the securities arbitration rules

and regulations then in effect of, the Financial Industry Regulatory Authority (FINRA) or any national securities exchange that provides a forum for the arbitration of disputes, provided that Schwab is a member of such national securities exchange at the time the arbitration is initiated. Any party may initiate arbitration by filing a written claim with FINRA or such eligible national securities exchange. If arbitration before FINRA or an eligible national securities exchange is unavailable or impossible for any reason, then such arbitration will be conducted by, and according to the rules and regulations then in effect of, the American Arbitration Association (AAA). If arbitration before the AAA is unavailable or impossible for any reason, the parties agree to have a court of competent jurisdiction appoint three (3) arbitrators to resolve any and all disputes or controversies between or among the parties. Each party shall bear its own initial arbitration costs, which are determined by the rules and regulations of the arbitration forum. In the event of financial hardship, the arbitration forum may waive certain costs in accordance with such rules. At the conclusion of the hearing, the arbitrators will decide how to assess the costs of the arbitration among the parties.

Any award the arbitrator makes shall be final and binding, and judgment on it may be entered in any court having jurisdiction. This arbitration agreement shall be enforced and interpreted exclusively in accordance with applicable federal laws of the United States, including the Federal Arbitration Act. Any costs, fees or taxes involved in enforcing the award shall be fully assessed against and paid by the party resisting enforcement of said award.

For FINRA arbitrations, FINRA will appoint a single public arbitrator in customer cases decided by one arbitrator. In customer cases decided by three arbitrators, investors have the option of choosing an arbitration panel with two public arbitrators and one non-public arbitrator (Majority-Public Panel Rule) or a panel of all public arbitrators (Optional All-Public Panel Rule). If the customer declines to elect a panel selection method in writing by the applicable deadline, the Majority-Public Panel Rule for selecting arbitrators will apply.

All notices from one party to the other involving arbitration shall be considered to have been fully given when so served, mailed by first-class, certified or registered mail, or otherwise given by other commercially accepted medium of written notification.

In addition to the above provisions, if a party to this Agreement is or becomes a non-U.S.

resident at the time of any controversy subject to this arbitration agreement, such party acknowledges and agrees to the following additional provisions:

- (1) The rules of the organization administering the arbitration specifically provide for the formal designation of the place at which the arbitration is to be held.
- (2) Entering into this Agreement constitutes consent to submit to the personal jurisdiction of the courts of the state of California, U.S.A., to interpret or enforce any or all of these arbitration provisions. Judgment on any arbitration award may be entered in any court having jurisdiction, or application may be made to such court for judicial acceptance of the award and an order of enforcement, as the case may be.
- (3) The exclusive language to be used by the parties and the arbitrators in the arbitration proceedings shall be English. Any party wishing an interpreter shall make all arrangements directly with the interpreter and shall assume all costs of the service.
- (4) If a party is a foreign government or state, state-owned or state-operated enterprise or other instrumentality of a foreign government or state, such party waives all rights of sovereign immunity and neither the Federal Act of State doctrine nor the doctrine of sovereign immunity shall apply insofar as any enforcement in courts located in the U.S.A. is concerned.

Impartial Lottery for Securities Subject to Partial Call or Partial Redemption. If Schwab holds securities for you in street name, in Schwab's name, or in bearer form that are subject to partial call or partial redemption, then in the case of a partial call or partial redemption, Schwab will use an impartial lottery system to select the securities to be called or redeemed from among accounts holding those securities. For a description of Schwab's lottery system, please visit www.schwab.com/PartialCalls. If you would like a printed description of Schwab's lottery system mailed to you, please contact a Schwab representative at 1-888-393-7272.

Notice to Canadian Residents. Schwab is not registered as a broker-dealer in Canada; we are relying upon an exemption from the broker-dealer registration requirement to act as a broker-dealer. Therefore, Schwab and its agents are not subject to the full regulatory requirements otherwise applicable under Canadian securities legislation.



6. Agreement (Continued)

By signing below, Participant authorizes IA named previously to be its agent and attorney-in-fact to the extent provided herein. Participant has read and understood this LPOA. This LPOA contains a predispute arbitration clause in Section 6.

Additionally, by signing this Agreement, Participant consents to Schwab's: (i) sending, by mail, electronic delivery and/or other means, duplicate copies of account trade confirmations, account statements and any other information relating to the Participant and the Account to the Participant's IA, if and in such manner as requested by Participant's IA, provided that Participant initialed the appropriate line in Section 4; (ii) sending such information about the Participant and the Account to third parties (such as CPAs or performance-reporting companies) as Participant's IA shall direct Schwab; and (iii) disclosing of information about Participant and Account to other third parties as provided in this LPOA and the Account Agreement. Furthermore, Participant acknowledges they have received a copy of the LPOA terms in Section 6 to retain for their records.

Signature and Date Required

X Participant Signature Print Name Date

By signing below, IA acknowledges that the Plan Sponsor or other fiduciary for the Plan has sole authority to select assets available for trading for the Plan and Plan Participants. IA further acknowledges and agrees that certain assets may be restricted from trading consistent with the terms of the Plan. It is the responsibility of the IA to understand any trading restrictions that may be in place prior to placing any trades on behalf of the Participant. IA further acknowledges and agrees that as a covered service provider under 29 CFR 2550.408b-2 as may be amended (the "408(b)(2) Regulations") it shall have sole responsibility to disclose its compensation and services directly to the Plan as may be required under such 408(b)(2) Regulations. Schwab shall have no responsibility with respect to any of the IA's disclosure requirements under the 408(b)(2) Regulations.

Signature and Date Required

X IA Signature Print Name Date

Please return the completed form to your service team or send to:

Charles Schwab & Co., Inc.
Corporate Brokerage Retirement Services
P.O. Box 982604
El Paso, TX 79998-2604

Please keep a copy for your records. Provide a copy of this completed form to your Investment Advisor.



Schwab Personal Choice Retirement Account® (PCRA) Limited Power of Attorney (LPOA) Form To Authorize an Investment Advisor

These terms relate to your account and are part of the Account Agreement between the account holder and Schwab. Please retain for your files.

The terms “I,” “me” and “my,” as used throughout this form, refer to the PCRA Participant. I understand that this Limited Power of Attorney (LPOA) amends my Account Agreement.

Trading Authorization. If I have indicated on this LPOA that the Investment Advisor (IA) named above, which I understand may be referred to as “Investment Advisor” or “IA” in other documentation relating to my Account, will have the authority to direct Charles Schwab & Co., Inc. (“Schwab”) to execute trades in my Account, I authorize Schwab to accept instructions from the IA regarding my Account, and to take all other actions necessary or incidental to the execution of such instructions, as IA shall direct. Schwab, and other people to whom Schwab has given instructions in order to implement the IA’s instructions, may rely on IA’s instructions without obtaining my approval, counter-signature or co-signature. IA’s authority will include, without limitation other than my Retirement Plan’s trading restrictions, the authority to give instructions for transactions in securities and financial instruments, including the buying and selling of stocks, bonds, debentures, notes, subscription warrants, stock purchase warrants, covered options (if my Plan allows and if I have authorized trading covered options, and only up to my approved level of options trading strategy), mutual fund shares, evidences of indebtedness and any other securities, instruments or contracts relating to securities.

I authorize Schwab to take such actions as Schwab deems reasonably necessary to carry out instructions Schwab receives from me and/or IA. I further authorize Schwab, acting upon IA’s instructions, to aggregate transaction orders in my Account with orders for one or more other accounts over which IA has trading authorization or to accept or deliver assets in transactions executed by other broker-dealers where IA has so aggregated orders. I agree that if any such aggregated order is executed in more than one transaction, my portion of such order may be deemed to have been executed at the weighted average of the prices at which all of such transactions were executed.

Uninvested Funds. All uninvested funds held within Participant’s PCRA will be automatically invested (swept) into the sweep vehicle that Plan Sponsor has selected. It is the responsibility of the Participant to allocate funds to other investments, if so desired, once funds have been invested (swept) into the sweep vehicle.

Fee Payment Authorization. If I have indicated on this Agreement that my IA will have fee payment authority over my Account, I authorize Schwab to pay investment advisory and related fees from my Account to my IA in the amount of my IA’s instructions. I have authorized my IA in writing to receive fee payments directly from my Account. Schwab may rely on the instructions

submitted by my IA, and will have no responsibility to confirm those instructions with me or verify the fees. I further represent that the payment of such fees from my Account to my IA is permitted under the terms of the Plan. Schwab is directed to redeem money market fund shares in my Account to the extent necessary to pay these fees. My IA’s fees debited from my Account will appear on Schwab’s statements of my Account.

Termination of Authorizations. The authorizations I have granted in this LPOA will remain effective until I or IA have revoked or terminated any of them by giving notice to Schwab, either by mail, facsimile, or messenger. I understand that I may revoke or terminate all authorizations or designations conferred herein at any time. Unless revoked or terminated by me, all authorizations and designations conferred herein to IA shall continue to apply to IA’s successors or assigns. Such revocation will not affect my obligation resulting from transactions initiated prior to Schwab’s receipt of such notice. I understand that if Schwab terminates its IA Services Agreement with IA, Schwab will not be obligated to honor any further instructions from IA; I will have exclusive control over, and responsibility for, my Account. Schwab will notify me as soon as reasonably possible after any such termination.

Products and Services Provided to IA. Schwab may provide IA, at no fee or at a discounted fee, with research, software and other technology, information and consulting services, and other products and services that benefit IA. Schwab’s provision of these products and services to IA may be based upon clients of IA placing a certain amount of assets in their brokerage accounts at Schwab (i.e., custodial assets at Schwab) within a certain period of time. These products and services may not necessarily benefit my Account.

Pricing. Schwab and IA may agree to pricing (including commissions and transaction account and service fees) for my Account and IA’s other clients’ accounts at Schwab based upon the nature and scope of business that IA transacts with Schwab, including the current and future expected amount of IA’s clients’ assets custodied at Schwab, the types of securities managed by IA and/or expected frequency of IA’s trading. Schwab may change this pricing if the nature and scope of business that IA transacts with Schwab changes or does not reach agreed-upon levels, in which case pricing for IA’s clients’ accounts, including my Account, may increase to an amount determined by Schwab not to exceed Schwab’s standard pricing.

Indemnification. I agree to indemnify and hold harmless Schwab, its affiliates and their directors, officers, employees and agents for and against all claims, actions, costs and liabilities, including attorneys’ fees, arising out

of or relating to: (1) their reliance on this LPOA and (2) Schwab’s execution of IA’s instructions.

Role of Charles Schwab & Co., Inc. I acknowledge and agree that: Schwab will merely carry out transactions as directed by me and/or my IA as the case may be; I (not Schwab) am responsible for investigating and selecting IA; IA is not affiliated with, or controlled or employed by, Schwab; and Schwab has no duty to supervise or monitor trading by me or by IA in my Account. Schwab will send me written confirmation of my trades executed through Schwab and monthly statements of all activity in my Account. I authorize Schwab to obtain from IA, and IA to provide Schwab, information regarding my Account as Schwab may reasonably request. If any of IA’s employees are associated with a member of the Financial Industry Regulatory Authority (FINRA) or with a municipal securities broker-dealer, Schwab is authorized to deliver information concerning my Account to such member upon request. Schwab may provide IA, at no fee or at a discounted fee, with research, software and other technology, information and consulting services and other products and services that benefit IA. These products and services may not necessarily benefit my Account.

I acknowledge, understand and agree that (1) the Schwab Advisor Network® (“Network”) member advisors pay Schwab fees to be members; (2) Network member advisors, including IA, are independent and not employees or agents of Schwab; (3) Schwab prescreens Network member advisors and checks their experience and credentials against criteria Schwab sets; (4) IA’s membership in Schwab Advisor Network does not change that (A) I am solely responsible for (i) the decision to hire IA, (ii) what authority to give IA and (iii) evaluating IA’s services and performance; and (B) Schwab (i) does not supervise IA and (ii) takes no responsibility to monitor IA’s performance or transactions in the Account.

Required Arbitration Disclosures. Regulatory authorities require that any brokerage agreement containing a predispute arbitration agreement must disclose that this agreement contains a predispute arbitration clause. This Agreement contains a predispute arbitration clause. By signing an arbitration agreement, the parties agree as follows:

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

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

No person shall bring a putative or certified class action to arbitration, nor seek to enforce any predispute arbitration agreement against any person who has initiated in court a putative class action; or who is a member of a putative class who has not opted out of the class with respect to any claims encompassed by the putative class action until:

1. the class certification is denied;
2. the class is decertified; or
3. 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.

Arbitration Agreement. Any controversy or claim arising out of or relating to (i) this Agreement, any other agreement with Schwab, an instruction or authorization provided to Schwab or the breach of any such agreements, instructions, or authorizations; (ii) the Account, any other Schwab account or Services; (iii) transactions in the Account or any other Schwab account; (iv) or in any way arising from the relationship with Schwab, its parent, subsidiaries, affiliates, officers, directors, employees, agents or service providers ("Related Third Parties"), including any controversy over the arbitrability of a dispute, will be settled by arbitration.

This arbitration agreement will be binding upon and inure to the benefit of the parties hereto and their respective representatives, attorneys-in-fact, heirs, successors, assigns and any other persons having or claiming to have a legal or beneficial interest in the Account, including court-appointed trustees and receivers. This arbitration agreement will also inure to the benefit of third-party service providers that assist Schwab in providing Services ("Third-Party Service

Providers") and such Third-Party Service Providers are deemed to be third-party beneficiaries of this arbitration agreement.

The parties agree that this arbitration agreement will apply even if the application to open the Account is denied and will survive the closure of your Account and/or the termination of services rendered under this Agreement.

Such arbitration will be conducted by, and according to the securities arbitration rules and regulations then in effect of, the Financial Industry Regulatory Authority (FINRA) or any national securities exchange that provides a forum for the arbitration of disputes, provided that Schwab is a member of such national securities exchange at the time the arbitration is initiated. Any party may initiate arbitration by filing a written claim with FINRA or such eligible national securities exchange. If arbitration before FINRA or an eligible national securities exchange is unavailable or impossible for any reason, then such arbitration will be conducted by, and according to the rules and regulations then in effect of, the American Arbitration Association (AAA). If arbitration before the AAA is unavailable or impossible for any reason, the parties agree to have a court of competent jurisdiction appoint three (3) arbitrators to resolve any and all disputes or controversies between or among the parties. Each party shall bear its own initial arbitration costs, which are determined by the rules and regulations of the arbitration forum. In the event of financial hardship, the arbitration forum may waive certain costs in accordance with such rules. At the conclusion of the hearing, the arbitrators will decide how to assess the costs of the arbitration among the parties.

Any award the arbitrator makes shall be final and binding, and judgment on it may be entered in any court having jurisdiction. This arbitration agreement shall be enforced and interpreted exclusively in accordance with applicable federal laws of the United States, including the Federal Arbitration Act. Any costs, fees or taxes involved in enforcing the award shall be fully assessed against and paid by the party resisting enforcement of said award.

For FINRA arbitrations, FINRA will appoint a single public arbitrator in customer cases decided by one arbitrator. In customer cases decided by three arbitrators, investors have the option of choosing an arbitration panel with two public arbitrators and one non-public arbitrator (Majority-Public Panel Rule) or a panel of all public arbitrators (Optional All-Public Panel Rule). If the customer declines to elect a panel selection method in writing by the applicable deadline, the Majority-Public Panel Rule for selecting arbitrators will apply.

All notices from one party to the other involving arbitration shall be considered to have been fully given when so served, mailed by first-class,

certified or registered mail, or otherwise given by other commercially accepted medium of written notification.

In addition to the above provisions, if a party to this Agreement is or becomes a non-U.S. resident at the time of any controversy subject to this arbitration agreement, such party acknowledges and agrees to the following additional provisions:

- (1) The rules of the organization administering the arbitration specifically provide for the formal designation of the place at which the arbitration is to be held.
- (2) Entering into this Agreement constitutes consent to submit to the personal jurisdiction of the courts of the state of California, U.S.A., to interpret or enforce any or all of these arbitration provisions. Judgment on any arbitration award may be entered in any court having jurisdiction, or application may be made to such court for judicial acceptance of the award and an order of enforcement, as the case may be.
- (3) The exclusive language to be used by the parties and the arbitrators in the arbitration proceedings shall be English. Any party wishing an interpreter shall make all arrangements directly with the interpreter and shall assume all costs of the service.
- (4) If a party is a foreign government or state, state-owned or state-operated enterprise or other instrumentality of a foreign government or state, such party waives all rights of sovereign immunity and neither the Federal Act of State doctrine nor the doctrine of sovereign immunity shall apply insofar as any enforcement in courts located in the U.S.A. is concerned.

Impartial Lottery for Securities Subject to Partial Call or Partial Redemption. If Schwab holds securities for you in street name, in Schwab's name, or in bearer form that are subject to partial call or partial redemption, then in the case of a partial call or partial redemption, Schwab will use an impartial lottery system to select the securities to be called or redeemed from among accounts holding those securities. For a description of Schwab's lottery system, please visit www.schwab.com/PartialCalls. If you would like a printed description of Schwab's lottery system mailed to you, please contact a Schwab representative at 1-888-393-7272.

Notice to Canadian Residents. Schwab is not registered as a broker-dealer in Canada; we are relying upon an exemption from the broker-dealer registration requirement to act as a broker-dealer. Therefore, Schwab and its agents are not subject to the full regulatory requirements otherwise applicable under Canadian securities legislation.