

Customer Agreement For Introduced Clearance Accounts

THIS DOCUMENT IS A BINDING CONTRACT AND CONTAINS OBLIGATIONS
THAT CAN BE ENFORCED AGAINST YOU.
PLEASE READ CAREFULLY.

- Complete all sections, sign and return.

Account Number(s)

Account Title

Your brokerage firm ("Brokerage Firm"), acting on your behalf, introduces your account(s) to J.P. Morgan Clearing Corp. ("Clearing Agent"), a subsidiary of J.P. Morgan Securities LLC ("JPMS"), which, in turn, carries your account(s) and clears (i.e., processes) your securities transactions as your Brokerage Firm directs. This agreement ("Agreement") sets forth the terms and conditions on which Clearing Agent and JPMS, their successor firms, present and future direct or indirect subsidiaries, affiliates and assigns will open and maintain account(s) ("Account(s)") in your name.

The parties to this Agreement shall consist of you and Clearing Agent, JPMS and their successor firms, present and future direct or indirect subsidiaries, affiliates and assigns with which you transact business. (Each affiliate, including Clearing Agent and JPMS, is referred to as a "Clearing Agent entity" and all Clearing Agent entities are referred to collectively as the "Clearing Agent Group" or "JP Morgan.") You agree that your Brokerage Firm and its employees are third-party beneficiaries of this Agreement, and that the terms and conditions hereof, including the arbitration provision, shall be applicable to all matters between or among any of you, your Brokerage Firm and its employees and the Clearing Agent Group and its employees. Your signature below confirms that you agree to all terms set forth in this Agreement.

1. NATURE OF SERVICES.

(a) A Clearing Agent entity will execute transactions accepted by it and/or will provide such other clearance, settlement and custody services in connection with carrying your Account(s) at the Clearing Agent Group.

(b) The Clearing Agent Group is acting as a clearing broker-dealer and custodian, and not as (1) an investment adviser under the Investment Advisers Act of 1940, or (2) a "fiduciary" as defined in Section 3(21) of the Employee Retirement Income Security Act of 1974, as amended ("ERISA") or Section 4975 of the Internal Revenue Code of 1986, as amended ("Code"), with respect to your Account(s) under this Agreement. Brokerage activities are regulated under different laws and rules than advisory activities and generally do not give rise to the fiduciary duties that an investment adviser has to its clients. When acting in a brokerage capacity, JP Morgan has a duty to deal fairly with brokerage clients but may face certain conflicts of interest and as such, JP Morgan's interests may differ than yours. Neither the Clearing Agent Group nor its employees are authorized to provide, and shall not provide, legal, tax or accounting advice or services and you will not solicit or rely upon any such advice from them whether in connection with transactions in any of your Accounts or otherwise. You have consulted or will consult with your own technical, legal, regulatory, tax, business, investment, financial and accounting advisors to the extent you deem necessary in determining the investment and trading strategy appropriate for you and the appropriateness of each transaction. You hereby agree and acknowledge that any such advice you may receive is provided by your Brokerage Firm or other source independent of the Clearing Agent Group. For the avoidance of doubt, while your Brokerage Firm may provide you with investment research or market interpretations it has received from the Clearing Agent Group or with access to a Clearing Agent Group web site containing such information, your

Brokerage Firm is solely responsible for your use of any such materials and any investment recommendations made therein.

(c) The Clearing Agent Group shall not be obligated to take any action or render any advice with respect to the voting of proxies related to issues of securities held in your Account(s). Further, there may be instances when you may not be able to exercise voting or other rights of ownership, including, but not limited to, the circumstances described in Section 11 below. The Clearing Agent Group will forward all proxies received by it, including proxy solicitation material and other related material, including interim reports, annual reports and other issuer mailings ("Proxy and Related Material") to you or a third party as you instruct. If you receive Proxy and Related Material regarding investments in your Account(s), you are responsible for providing the Clearing Agent entity with any applicable instructions or directions contemplated by such communications. If you notify the Clearing Agent Group that you have revoked a third party's authority, all Proxy and Related Material will be sent to you on a going forward basis from the date the revocation is effected by the Clearing Agent Group until you notify the Clearing Agent Group to send all Proxy and Related Material to another third party.

(d) You hereby acknowledge receipt of the disclosure statement mailed by the Clearing Agent Group pursuant to Rule 382 of the New York Stock Exchange, Inc. As disclosed in such statement, the Clearing Agent Group is responsible only for certain specific functions related to processing your transactions, carrying your account(s) and extending credit in your margin account(s), if any, your Brokerage Firm is solely and completely responsible for all other functions required of registered securities brokerage firms by Applicable Laws, including, but not limited to, all investment advice and recommendations made to you, including but not limited to the purchase or sale of securities. Your Brokerage Firm is neither an affiliate nor an agent of the Clearing Agent Group.

(e) Your Brokerage Firm is responsible for accepting from you and executing (or arranging for the execution of) orders for your account(s) to buy or sell securities, or to transfer or deliver funds or securities to you or third parties. Accordingly, unless a Clearing Agent entity receives from you prior written notice to the contrary, the Clearing Agent Group may accept and process from your Brokerage Firm, without any inquiry or investigation: (i) orders, which the Clearing Agent Group has agreed to clear, for the purchase or sale of securities and other property in your account(s), on margin or otherwise, or for the delivery of funds to you or third parties, and (ii) any other instructions concerning your account(s) or the property therein (including, without limitation, an instruction to provide your account information to third parties for performance reporting or other purposes). The Clearing Agent Group also has the right, exercisable in its sole discretion, to refuse to accept orders, cancellations or any other instruction for your account(s) and to require you to furnish any additional documentation it deems necessary. You understand and agree that the Clearing Agent Group shall have no responsibility or liability to you for any acts or omissions of your Brokerage Firm, its officers, employees or agents.

1A. INVESTMENT ADVISOR AUTHORIZATIONS.

(a) If you or your Brokerage Firm notifies the Clearing Agent Group that you have granted an investment advisor ("Investment Advisor") trading authorization over your Account(s), you authorize the Clearing Agent Group to follow the trading instructions of that Investment Advisor in every respect concerning the applicable Account(s), including instructions related to purchases, sales or other transactions and instructions with respect to margin. You acknowledge and agree that the Clearing Agent Group may refuse to accept instructions from any Investment Advisor, or any other third party at any time.

(b) You authorize and direct the Clearing Agent Group upon receipt of any Investment Advisor's invoice or such other notice or instruction as applicable regulation shall allow to debit your Accounts in the amount set forth in the invoice (to the extent of available funds), provided, however, that the Clearing Agent Group may in its sole discretion at any time refuse to act on any or all such instructions. The Clearing Agent Group will have no duty to review the accuracy of any invoice. In no event will the Clearing Agent Group be liable for your nonpayment of Investment Advisor fees or other expenses or for any overpayment of an Investment Advisor fee. The fees payable by you to your Investment Advisor shall be determined by agreement solely between you and your Investment Advisor; the Clearing Agent Group shall have no role in the determination or calculation of such fees.

(c) The authorizations you have granted in this Section 1A will remain effective and will not be affected by your subsequent disability or incapacity or lapse of time. These authorizations will remain in full force and effect until this Agreement is terminated, you revoke the authorizations and notify the Clearing Agent Group in writing, or if you are an individual or the applicable Account(s) is an Individual Retirement Account, until the Clearing Agent Group receives receipt of notice of your death. If, in the event of your death, the Clearing Agent Group acts in good faith pursuant to this grant of authorization without the actual knowledge of your death, any action so taken, unless otherwise invalid or unenforceable, shall be binding on your successors in interest.

(d) Upon written receipt of revocation of any Investment Advisor's authority or termination of this Agreement, the Clearing Agent Group will not be obligated to follow the instructions of the applicable Investment Advisor. The Clearing Agent Group retains the right to complete any transactions initiated before the termination is effected by the Clearing Agent Group and to retain any assets the Clearing Agent Group deems sufficient to effect such completion; however, the Clearing Agent Group reserves the right to cancel any open orders. You understand that, for any period of time between the revocation of an Investment Advisor's authority and receipt of notice by the Clearing Agent Group about your effective appointment of a new Investment Advisor under this Agreement, your Account(s) may be unmanaged. Unless you indicate otherwise, in the event you terminate this Agreement or otherwise revoke the authority of the Investment Advisor, notwithstanding such termination or revocation, you hereby authorize the Clearing Agent Group upon instructions from the Investment Advisor to debit your account to pay management fees then owing to the Investment Advisor.

(e) You acknowledge that the Clearing Agent Group does not select, endorse, recommend, monitor or make any representations about the performance of any Investment Advisor or the activity in your Account(s). You are solely responsible for investigating, selecting and monitoring the performance of any Investment Advisor.

(f) The Clearing Agent Group does not review, monitor or provide information to you with respect to any Investment Advisor in connection with the services that the Clearing Agent Group provides under this Agreement. You understand that although the Clearing Agent Group may review certain Investment Advisors, collect information, and/or provide information about certain Investment Advisors to you and/or other persons pursuant to certain programs offered by the Clearing Agent Group or pursuant to a separate written agreement, the Clearing Agent Group has no obligation to share any information about an Investment Advisor that it has access to or collects with you in connection with the services it provides under this Agreement.

(g) You agree and acknowledge that (i) your Investment Advisor is solely responsible for providing advice to you, including making or recommending investments to you and (ii) the Clearing Agent Group does not monitor or control whether investments selected by your Investment Advisor are (a) consistent with any investment program or

strategy you may have agreed on with such Investment Advisor or (b) suitable to effect any such program or strategy. Your continued retention of such Investment Advisor constitutes an ongoing representation and warranty from you to the Clearing Agent Group that such Investment Advisor is acting in a manner consistent with any investment program or strategy you or your Investment Advisor may have, (x) that the investments made by such Investment Advisor are suitable for you, (y) the Clearing Agent Group is not responsible for advising you on the suitability or determining the suitability of the investments selected by such Investment Advisor, and (z) the Clearing Agent Group is not responsible for any advice provided to you by your Investment Advisor or for any reports, documents or other materials provided to you by your Investment Advisor. Your Investment Advisor may utilize Electronic Tools and/or Content (as defined below) in providing advice to you. Any recommendation or advice based on Electronic Tools and/or Content is made solely by your Investment Advisor and not by the Clearing Agent Group. The Clearing Agent Group shall not be liable for any usage of or reliance on the Electronic Tools and/or Content including but not limited to misuse, malfunction or disregard of the Electronic Tools and/or Content. You or your Investment Advisor (and not the Clearing Agent Group) shall make determinations as to your authority to engage in a specific transaction.

(h) The Clearing Agent Group may be paid a fee by your Investment Advisor for services the Clearing Agent Group renders to your Investment Advisor related to the Accounts. In addition, your Investment Advisor may have other business relationships with the Clearing Agent Group, and your Investment Advisor may compensate the Clearing Agent Group in connection with services the Clearing Agent Group provides in these relationships. None of these fees are in consideration of any referral of potential clients to your Investment Advisor.

1B. RELEASE.

You agree to release and forever discharge the Clearing Agent Group and its successors and assigns and its and their respective officers, directors, agents and employees (collectively, the "Released Parties") from all responsibilities, liabilities, obligations, claims, damages, losses and expenses of any nature whatsoever incurred or sustained by you and caused by one or more of the Released Parties acting in reliance on any order or instruction from you or your Investment Advisor or any other person acting on your behalf.

2. APPLICABLE LAWS, RULES AND REGULATIONS.

(a) All transactions shall be subject to the applicable laws, rules and regulations of all federal, state and self-regulatory authorities including, but not limited to, the rules and regulations of the Board of Governors of the Federal Reserve System, U.S. Securities and Exchange Commission no-action letters, and the constitution, rules and customs of the exchange or market (and clearing house) where such transactions are executed, including, where appropriate, securities laws in other jurisdictions where transactions for your account may be carried out (collectively, "Applicable Laws").

(b) The Clearing Agent Group is committed to complying with U.S. statutory and regulatory requirements designed to combat money laundering and terrorist financing. The USA PATRIOT Act requires that all financial institutions obtain certain identification documents or other information in order to comply with their customer identification procedures. Until you provide the required information or documents, JP Morgan may not be able to open or maintain an Account or effect any transaction for you.

3. SATISFACTION OF YOUR LIABILITIES; SECURITY INTEREST AND LIEN.

(a) You agree to satisfy each and every obligation or liability you owe to a Clearing Agent entity (such obligations or liabilities, whether fixed, matured, unmatured, liquidated, unliquidated or contingent, "Obligations") when due, including without limitation, to pay any debit balance in any Account and the Costs described in Section 12 and in the event of a sell or redemption order by you, to deliver the applicable security in good deliverable form no later than the deadline set by the Clearing Agent entity, if the applicable security is not credited to an Account at the time such order is placed or settled.

(b) To secure the payment and performance of your Obligations to each Clearing Agent entity, you hereby grant each Clearing Agent entity a lien on and a valid and first priority, perfected, continuing security interest in the following: (i) all property, including all

investment property, held, carried or controlled by or through any Clearing Agent entity in which you presently have or in which you acquire an interest in the future, including all property in each Account in your name, (ii) any and all rights, claims or causes of action you may now or hereafter have against any Clearing Agent entity and (iii) all proceeds of or distributions on the foregoing (collectively (i) through (iii) are referred to in this Agreement as "Collateral"). Each item of property, including Investment Property, a Security, a general intangible, contract rights, an Instrument and cash, held in or credited to any Securities Account at a Securities Intermediary shall be treated as a Financial Asset. All undefined terms in the preceding sentence shall have the meanings ascribed to them in the New York Uniform Commercial Code ("NYUCC"), as in effect from time to time

(c) Any Collateral held by a Clearing Agent entity is held by such Clearing Agent entity as agent and bailee for itself and all other Clearing Agent entities. Each Clearing Agent entity holding Collateral shall, without your further consent, comply with (i) entitlement orders or instructions from a Clearing Agent entity with respect to the Collateral and (ii) if such Clearing Agent entity holding Collateral is a commodity intermediary, any instructions to such Clearing Agent entity from another Clearing Agent entity to apply any value distributed on account of a commodity contract. Additionally, each Clearing Agent entity holding Collateral has the right, in its sole discretion, not to comply with (i) any entitlement order or instruction from you or a third party with respect to the Collateral and (ii) any instruction from you to apply any value on account of any commodity contract, if a Clearing Agent entity requests that such order or instruction not be complied with in order to maintain security for the payment and performance of your Obligations to it. Further, each Clearing Agent entity is authorized, at any time and without notice to you, to transfer Collateral from any of your Account(s) to any account of an obligor for which you have provided a guarantee within such Clearing Agent entity and/or at any other Clearing Agent entity to collateralize or satisfy any Obligations of such obligor. You agree that the actions of a Clearing Agent entity in not complying with orders or instructions as allowed in this Section 3(c) satisfy any duties the Clearing Agent Group may have under the NYUCC.

(d) You agree that your execution of this Agreement shall constitute notice to each Clearing Agent entity of the security interest you have granted to each other Clearing Agent entity herein, and each Clearing Agent entity holding Collateral is on notice of the security interest granted to each other Clearing Agent entity.

(e) The reasonable costs and expenses of collection of any such indebtedness or debit balance, including but not limited to attorneys' fees and expenses, shall be payable by you to the Clearing Agent Group.

(f) In order to secure the payment and performance of any of your outstanding Obligations to any Clearing Agent entity, the Clearing Agent Group may, to the fullest extent permitted by law, without prior notice to you, use, apply or transfer Collateral as it determines. Unless otherwise agreed in writing, the Clearing Agent Group may register and hold Collateral in its name or the name of its designee.

(g) You appoint the Clearing Agent Group with full power as your true and lawful attorney-in-fact, to the fullest extent permitted by law, for the purpose of perfecting the security interest granted in this Agreement and taking any action and executing any instrument that the Clearing Agent Group deems necessary or advisable to accomplish the purposes of this Agreement.

4. REPRESENTATIONS BY YOU.

You represent and covenant that (a) you have the right to pledge and assign Collateral to the Clearing Agent Group; (b) Collateral is and shall at all times be free and clear of any liens, claims or encumbrances, except in favor of a Clearing Agent entity; and (c) you shall not take any action or fail to take any action with respect to your Account(s) that would result in a non-exempt prohibited transaction under ERISA, the Code or any applicable state, local or non-US law that is similar to the provisions of Section 406 of ERISA or Section 4975 of the Code.

5. DEPOSITS ON TRANSACTIONS.

Your Brokerage Firm and the Clearing Agent Group may require you to deposit cash or other property, acceptable to your Brokerage Firm or the Clearing Agent Group, as the case may be, as Collateral, in your Account(s) in such amounts as your Brokerage Firm or the Clearing Agent Group, as applicable, determines in its or their sole discretion and you agree to comply with any such request by the

deadline set by your Brokerage Firm or the Clearing Agent Group, as applicable.

6. BREACH, BANKRUPTCY OR DEFAULT; REMEDIES.

(a) Each Clearing Agent entity may elect to consider you in default of any or all agreements you may then have with it if: (i) you do not pay any liability or perform any Obligation to any Clearing Agent entity by the time you are obligated to do so; (ii) you otherwise breach, repudiate or default under this Agreement or any other agreement you may have with any Clearing Agent entity; (iii) you commence a proceeding in bankruptcy or insolvency or one is commenced against you; (iv) any guarantor, co-signer or other party (a "Responsible Party") liable for or providing security for your Obligations to any Clearing Agent entity defaults in its obligation to the Clearing Agent Group or commences a proceeding in bankruptcy or insolvency or one is commenced against it; (v) an attachment is made against you or a Responsible Party's Account(s) with any Clearing Agent entity; (vi) a receiver is appointed with respect to you, any of your assets or the assets of a Responsible Party; (vii) if you are a natural person, you die or become incompetent, and if you are an entity, you merge, liquidate or dissolve; or (viii) an event, circumstance or condition occurs that, in the Clearing Agent Group's judgment, materially impairs your creditworthiness, your ability to timely perform your Obligations to the Clearing Agent Group or otherwise causes us to view ourselves as insecure. The occurrence of any of the foregoing is referred to as an "Event of Default".

(b) Upon the election by the Clearing Agent Group to consider you in default, each Clearing Agent entity shall have all of the rights and remedies of a secured party upon default under the NYUCC and other Applicable Laws and may, without notice to you, among other things, (i) in whole or in part, accelerate, cancel, terminate, liquidate or otherwise close out this Agreement in accordance with the terms of this Agreement and (ii) foreclose, collect, sell or otherwise liquidate any Collateral a Clearing Agent entity selects in its sole discretion, in any order and at any time, and apply, in a manner determined by the Clearing Agent Group in its sole discretion, the proceeds to satisfy any of your Obligations to any Clearing Agent entity and (iii) buy any property that may have been sold short and (iv) retain any Collateral and (v) set-off, net, and/or recoup a Clearing Agent entity's obligation to you against any of your Obligations to any Clearing Agent entity, and your Obligations to a Clearing Agent entity shall be deemed performed and discharged to the extent any Clearing Agent entity has effected a valid and unavoidable set-off, netting or recoupment, and you expressly waive any requirement of mutuality to allow one Clearing Agent entity to set off, net or recoup any Obligation owed by you to a Clearing Agent entity against any obligation of a different Clearing Agent entity to you and (vi) calculate any obligation due to you by first deducting any Obligation that you owe to any Clearing Agent entity before determining the final amount of any such obligation and (vii) in each Clearing Agent entity's discretion, convert at your expense any Obligation from one currency into another currency at such rates as the Clearing Agent Group shall determine and (viii) take any other action permitted by law or in equity to protect, preserve or enforce the Clearing Agent Group's rights or to reduce any risk to the Clearing Agent Group's of loss or delay, including entering into hedging transactions for your account and risk.

(c) At any sale of Collateral or other sale or purchase permitted hereunder or otherwise, the Clearing Agent Group may sell or purchase to or from itself or third parties, and you hereby acknowledge and agree that the securities subject to such sale or purchase are instruments traded in a recognized market. You will pay each Clearing Agent entity for any losses and costs incurred by such Clearing Agent entity as a result of any default by you. You waive marshalling of assets and any similar doctrine dealing with the application of Collateral. The Clearing Agent Group's rights and remedies hereunder are cumulative and are in addition to any other rights and remedies available at law or in equity.

7. CONFIRMATION REPORTS AND ACCOUNT STATEMENTS.

Confirmation reports of transactions shall be conclusive if not objected to in writing by you or your Investment Advisor within the shorter of (i) the applicable settlement cycle of the subject transactions or (ii) three (3) business days after such documents have been transmitted or made available to you or your Investment Advisor by mail or otherwise. Statements of Account(s) shall be conclusive if not objected to in writing by you or your Investment Advisor within ten (10) days after transmission. In all cases, the Clearing Agent Group and your Brokerage Firm reserve the right to challenge your or your

Investment Advisor's objections. In addition, you may from time to time receive portfolio performance reports and other reports from your Investment Advisor. You hereby agree and acknowledge that the official statement of the activity, positions and balances in your Account(s) is set forth in the Account statements and confirmations provided to you by the Clearing Agent Group.

8. MARGIN AND OTHER COLLATERAL REQUIREMENTS.

(a) You hereby acknowledge receipt of JP Morgan Margin Disclosure Statement pursuant to FINRA Rule 2264 and agree that margin transactions are riskier and can involve greater loss than cash transactions. You agree to carefully consider your individual circumstances and market conditions before trading on margin. If the value of your assets declines in value, you may be required to add more assets to your Account(s) and/or your assets could be sold without notice and at a loss to repay your loan.

[Applicable only to margin Account(s)]

(b) You hereby agree (i) to deposit and maintain such margin in your margin Account(s), if any, as the Clearing Agent Group may in its sole discretion require; (ii) to pay on demand any debit balance owing with respect to any of your margin Account(s); (iii) that margin calls may be communicated orally, without subsequent written confirmation; (iv) to deposit promptly and maintain such other Collateral with the Clearing Agent Group as is required by Applicable Laws or any other agreement or your Brokerage Firm or any Clearing Agent entity under this or any other agreement; and (v) that no demands, calls, tenders or notices that the Clearing Agent Group or your Brokerage Firm may have made or given in the past shall obligate the Clearing Agent Group to make or give the same in the future.

9. SERVICE FEES; SPECIAL CHARGES FOR SHORT SALES IN HARD-TO-BORROW SECURITIES; DISCLOSURE OF THIRD-PARTY PAYMENTS TO THE CLEARING AGENT GROUP.

(a) Your Account(s) may be charged brokerage commissions, mark-ups, inactivity fees (if applicable) and other fees for the maintenance of your Account(s); for the execution of your transactions, fails, buy-ins, and currency conversions; and for furnishing other services to you, including but not limited to Electronic Services (as defined in Section 19 below) (collectively, "Service Fees"). All Service Fees shall be determined by your Brokerage Firm. Service Fees may be implemented or increased from time to time.

(b) With respect to any short sale transactions in securities that are or become hard-to-borrow, your Account(s) also may be charged an amount equal to the sum of (i) the costs and expenses incurred by the Clearing Agent entity and (ii) a Service Fee in connection with the establishment and/or maintenance of your short positions in that security (together, "Short Sale Charges"). A security is or becomes hard-to-borrow when increased short selling in that security in the market causes an increase in demand to borrow the security, which in turn causes an increase in the cost and expense to the Clearing Agent entity in establishing and/or maintaining a short position in such security for your Account(s). Short Sale Charges may be disclosed to you at the time a short position is established or may be imposed or increased from time to time in light of changing market conditions and you agree to pay such Short Sale Charges at the Clearing Agent entity's then-prevailing rates.

(c) The Clearing Agent entity receives payments or other remuneration from the advisers, distributors or other affiliates of certain of the mutual funds available through the Clearing Agent Group. Such payments or remuneration are for administrative, technological or other services provided in connection with fund Accounts and are generally calculated based on the amount of assets held in the Accounts. Such payments or other remuneration are in addition to shareholder servicing and distribution fees that the Clearing Agent entity may receive. Funds whose affiliates do not make payments to the Clearing Agent entity or the Clearing Agent Group, including funds that may provide a higher or lower return, may be available to you. Further in certain instances, the Clearing Agent may be paid both by you and certain other third parties who compensate the Clearing Agent based upon what you purchase and the Clearing Agent's profits and compensation may vary by product and over time.

(d) You will be responsible for and pay any applicable value added tax and such other taxes, duties and fees applicable to activities in your Account(s). Amounts owed to the Clearing Agent Group shall not be affected by any taxes, duties or other amounts you may owe to any third party. If you are required by law to make any deduction or withholding from any payment due to the Clearing Agent Group, you

shall pay to the Clearing Agent Group simultaneously with making such payment an additional amount as may be necessary in order for the total amount received by the Clearing Agent Group after all deductions and withholdings to be equal to the amount which the Clearing Agent Group would have received had no deduction or withholding been made. Any and all taxes, including any interest and penalties with respect thereto, which may be levied or assessed under present or future laws upon or in respect to your Account(s), activities or upon or in respect of income thereof shall be paid by you. All Service Fees, charges, expenses, disbursements and taxes as described above may be deducted by the Clearing Agent Group from your Account(s).

10. TRUTH-IN-LENDING DISCLOSURES; DEBIT BALANCES.

You hereby acknowledge receipt of JP Morgan's Truth-in-Lending disclosure statement. Interest will be charged on any debit balances in your Account(s) in accordance with the methods described in such statement or in any amendment or revision thereto which may be provided to you. Any debit balance, which is not paid at the close of an interest period, will be added to the opening balance for the next interest period. The amount lent to you by JP Morgan upon which you are charged interest may include purchases of securities for which payment is made by check for which JP Morgan has not yet received credit.

11. CONSENT TO LOAN, PLEDGE OR USE SECURITIES IN MARGIN ACCOUNTS. [Applicable only to margin Account(s)]

(a) To the greatest extent permitted under Applicable Laws, you hereby authorize the Clearing Agent Group to lend either to itself or to others and to otherwise use, sell or pledge any securities held by the Clearing Agent Group in any of your margin Account(s), to convey therewith all attendant rights of ownership (including voting rights) and to use all such property as Collateral for the Clearing Agent Group's general loans and/or other obligations or with respect to repurchase transactions. Any such property, together with all attendant rights of ownership, may be pledged, repledged, sold, hypothecated, rehypothecated, become subject to a repurchase transaction either separately or in common with other property for any amounts due to the Clearing Agent Group thereon, and for a greater sum than, and for periods longer than, any Obligation that you owe to the Clearing Agent Group, and the Clearing Agent Group shall have no obligation to retain a like amount of similar property in its possession and control. You hereby acknowledge that, as a result of such activities, (i) the Clearing Agent Group may receive and retain certain benefits to which you will not be entitled and (ii) the securities in your margin Account(s) may be used as Collateral by the Clearing Agent Group for loans made to it in excess of your indebtedness to the Clearing Agent Group.

(b) In certain circumstances, such loans or other use may limit, in whole or in part, your ability to receive dividends directly from the issuing company and/or your right to exercise voting and other attendant rights of ownership with respect to the loaned or pledged securities. Such circumstances include, but are not limited to, loans of securities that you own in your margin Account(s) that continue over record dates for voting purposes and ex-dividend dates for dividend distributions. Record dates and ex-dividend dates are declared by the issuing company. If you do not receive dividends directly from the company, you may receive payments-in-lieu of dividends which may cause you to lose the benefit of the preferential tax treatment accorded to dividends.

12. COLLECTION AND OTHER ACCOUNT-RELATED COSTS.

You hereby agree to pay, on demand, all reasonable costs, fees, expenses, liabilities and damages (collectively, "Costs") incurred by the Clearing Agent Group or your Brokerage Firm, as the case may be in connection with (i) enforcing its rights hereunder, (ii) any investigation, litigation or proceeding involving your Account(s) or any property therein, (iii) (A) the use of or access to the Electronic Services (as defined in Section 19 below) by you or any person authorized to act on your behalf or (B) the failure by you or any person authorized to act on your behalf to comply with any terms, conditions or limitations applicable to such Electronic Services, (iv) any breach or failure by you to perform any term or provision of this Agreement, any other agreement between you and any Clearing Agent entity or any agreement governing your use of or access to any Electronic Service, or (v) the Clearing Agent Group acting in reliance upon your instructions or the instructions of your Brokerage Firm or the instructions of any other person authorized to act on your behalf. In each case and whether or not demand has been made therefore,

you hereby authorize the Clearing Agent Group to charge your Account(s) for any and all such Costs.

13. CONTROL OR RESTRICTED SECURITIES.

You hereby agree, prior to placing an order with the Clearing Agent Group, to inform the Clearing Agent Group if the securities are restricted or control securities and subject to: Rule 144, 145 or 701 of the Securities Act of 1933 ("Securities Act"); an effective registration statement; and/or any contractual limitation. You hereby understand and agree that the Clearing Agent Group may not execute any orders regarding restricted or control securities until the Clearing Agent entity has conducted its due diligence surrounding the transaction or if in its sole discretion determines not to execute the order until the securities have cleared legal transfer. You hereby also agree to provide the Clearing Agent Group with any necessary documentation to complete the order, including, but not limited to, any required forms, representation letters, opinions of seller's counsel and transfer documentation. Furthermore, you hereby acknowledge and agree that there may be time delays in connection with the due diligence process, the execution of the order and the processing of the transaction and that the Clearing Agent Group shall not be liable for any losses, direct or indirect, that may have been caused by such delays.

14. IMPARTIAL LOTTERY ALLOCATION.

You agree that, in the event the Clearing Agent Group holds on your behalf bonds or preferred stock in its name, in the name of its designee or in bearer form which are called in part, you will participate in the impartial lottery allocation system for such called securities in accordance with the rules of the New York Stock Exchange, Inc. or any other appropriate self-regulatory organization. When any such call is favorable, no allocation will be made to any Account with respect to which the Clearing Agent Group has actual knowledge that any officer, director or employee of the Clearing Agency Group has any financial interest until all other customers have been satisfied on an impartial lottery basis.

15. FREE CREDIT BALANCES.

(a) You authorize the Clearing Agent Group to invest or "sweep" available credit balances in the Accounts into a money market mutual fund or depository account, subject to (i) selection of a fund or depository account by you (or your Investment Advisor or Brokerage Firm if you have granted your Investment Advisor or Brokerage Firm trading authorization on your Account(s)), (ii) the Clearing Agent Group then applicable policies and procedures, which may be amended from time to time, and (iii) the fund prospectus, if applicable.

(b) If you (or your Investment Advisor or Brokerage Firm, as applicable) do not select a fund or depository account, you hereby authorize the Clearing Agent Group to use any free credit balance in any of your Account(s) in accordance with all Applicable Laws and to pay interest thereon at such rate or rates and under such conditions as are established from time to time by your Brokerage Firm for such Account(s) and for the amounts of cash so used. In accordance with applicable regulations, free credit balances are carried in customers' Accounts pending, and with a view towards, reinvestment. The Clearing Agent Group may determine not to pay interest on free credit balances (i) representing either uncollected funds (i.e., any deposited non-cash items (e.g., checks) for which the Clearing Agent Group has not yet received credit) or funds that are deposited and subsequently withdrawn prior to the expiration of the minimum time period required by the Clearing Agent Group, or (ii) where prohibited by Applicable Law.

16. RESTRICTIONS ON ACCOUNTS.

The Clearing Agent Group or your Brokerage Firm, in its or their sole discretion, may refuse to accept any order for execution, clearance or settlement and may restrict or prohibit trading of securities or other property in any of your Account(s) and you shall nevertheless remain liable for all of your Obligations to the Clearing Agent Group and your Brokerage Firm under this Agreement or otherwise.

17. CREDIT REPORTS AND OTHER INFORMATION.

You authorize the Clearing Agent Group and your Brokerage Firm, in its or their sole discretion, to make or obtain (i) reports concerning your credit standing and business conduct and (ii) such other reports as are otherwise required to enable the Clearing Agent Group and your Brokerage Firm to comply with Applicable Laws. You may make a written request for a description of the nature and scope of the reports made or obtained by the Clearing Agent Group and the same will be provided to you within a reasonable period of time unless

otherwise prohibited by Applicable Laws. You further agree to provide the Clearing Agent Group and/or your Brokerage Firm, on request, such additional information or certifications as may be required by the Clearing Agent Group or Applicable Laws.

18. SHORT AND LONG SALES.

In placing any sell order for a short Account, you will designate the order as such and hereby authorize the Clearing Agent Group or your Brokerage Firm, as the case may be, to mark the order as being "short" or "short exempt." In placing any sell order for a long Account, you will designate the order as such and hereby authorize the Clearing Agent Group or your Brokerage Firm to mark the order as being "long." The designation by you of a sell order as being for a long Account shall constitute a representation by you that you own the security with respect to which the sell order has been placed, that such security may be sold without restriction in the open market and that, if the Clearing Agent Group does not have the security in its possession at the time you place the sell order, you shall deliver the security by settlement date in good deliverable form and if you fail to deliver as such, you shall be liable to the Clearing Agent Group or your Brokerage Firm, as the case may be, for any losses and expenses it or they may incur or sustain as a result of your failure to make delivery on a timely basis.

19. ON-LINE AND ELECTRONIC SYSTEMS.

(a) The Clearing Agent Group or your Brokerage Firm may from time to time directly or indirectly make available to you or your agents or provide or arrange access for you or your agents to various electronic systems and services and non-broker/dealer services (collectively, "Electronic Services"), including, without limitation: (i) any device, software, network or system used by you for the purpose of entering, facilitating or routing orders or trading ("Trading System"); (ii) any software, system, electronic functionality or service, including, without limitation, interactive devices, internet capability, functionality, site or service, hardware, device or communications facility ("Electronic Tools"); (iii) any research reports or materials, market data (including any valuations of securities or other investments), news, documents and other information, reports, analytics, calculators, data or content whether provided through Electronic Tools or otherwise ("Content"); (iv) any electronic access to view your holdings, values and transactions along with statements, confirmations, report or information relating to an Account or activity therein; and/or (v) any products or services not directly related to the Clearing Agent Group's or your Brokerage Firm's business as a broker-dealer, including but not limited to the ability to participate in the Clearing Agent Group's or your Brokerage Firm's purchasing programs. All or any part of the Electronic Services may be developed, licensed and/or provided by third-party licensors, vendors, subcontractors or other third-party sources (collectively "Sources"). The Clearing Agent Group, your Brokerage Firm and/or any Source, at any time, with or without notice, may monitor, modify any aspect of, limit or terminate your use or access to any or all of the Electronic Services.

(b) In addition to the provisions herein, Electronic Services will also be subject to the terms of the Access Agreement, the JP Morgan Online Services Agreement and/or such other agreements that govern the use of Clearing Agent Group electronic information systems and/or a separate user agreement that governs its use and the rights and responsibilities of the Clearing Agent Group and you with respect to particular Electronic Services. In the event of a conflict between this Agreement and the Access Agreement, the JP Morgan Online Services Agreement and/or such other agreements that govern the use of Electronic Services, this Agreement will control.

(c) The Clearing Agent Group, your Brokerage Firm and/or the Source(s) may provide you or your agents (each of the foregoing an "Authorized User") with identifiers and/or security devices or prescribe security procedures relating to use or access to some or all of the Electronic Services, which may include, but may not be limited to, any digital certificate(s), unique identifiers, user name(s) and/or password(s) under separate cover which may be required to access or use the Electronic Services (collectively, "User Code(s)"). You agree that (i) you will not, nor will you permit any other person to, remove, modify, exchange, disable, penetrate or otherwise defeat any such security procedures; (ii) you shall restrict access to the User Codes and to the Electronic Services to those persons who are duly authorized to have such access on your behalf; (iii) you shall notify the Clearing Agent Group and your Brokerage Firm or other applicable Source immediately in writing in the event that (A) the authority of any

Authorized User has been or is about to be terminated (in which case you will promptly return to the Clearing Agent Group or your Brokerage Firm, as applicable, any security device previously issued to such Authorized User); (B) any such User Code is lost, stolen or, the confidentiality of any such User Code issued to any Authorized User has been compromised in any way; or (C) you learn about a possible or actual unauthorized access to and/or use of the Electronic Services; (iv) you are responsible for all acts or omissions that occur under any User Code provided to an Authorized User; and (v) you are responsible for ensuring that all information contained in any request for a User Code is complete and correct.

(d) You will be responsible for all orders, instructions and transactions that are identified by any of the Electronic Services as coming from an Authorized User, and all consequences thereof, whether entered by authorized or unauthorized personnel or by any other person. Furthermore, you agree that any agreement, consent or assent communicated from such access to the Electronic Services under a User Code issued to one of the Authorized Users will be deemed to be duly signed in writing of yours sufficient to bind you thereto.

(e) The Clearing Agent Group may from time to time provide you or your agents with access to Electronic Tools and/or Content. The Clearing Agent Group obtains such Electronic Tools and/or Content from Sources the Clearing Agent Group believes to be reliable. The accuracy, completeness, timeliness or correct sequencing of the Electronic Tools and/or Content, however, cannot be guaranteed by either the Clearing Agent Group or any Source. You acknowledge and agree that neither the Clearing Agent Group nor the Sources will be liable for the accuracy, availability or usage of such Electronic Tools and/or Content and that neither the Clearing Agent Group nor the Sources will have any duty to verify, correct, complete or update any Electronic Tools and/or Content.

(f) Each Clearing Agent entity and its control persons, successors and assigns, officers, directors, employees and agents (collectively, "Clearing Agent persons") and the Sources hereby expressly disclaim any and all warranties, guaranties, conditions, covenants and representations relating to any Electronic Service, including, but not limited to, any relating to merchantability, quality, accuracy, fitness for a particular purpose, title, non-infringement, timeliness, currency, absence of viruses or damaging or disabling code, and any warranties or representation (i) that any Electronic Service or access to any portion of it will be uninterrupted or error-free, or (ii) that any defects in such Electronic Services will be correctable or corrected. Notwithstanding anything herein to the contrary, no Clearing Agent person or Source will be liable for any loss, cost, claim or damage (including, but not limited to, direct, indirect or consequential damages or lost profits) arising out of or otherwise relating to any Electronic Services or the use or access to or unavailability of any of the same.

(g) Notwithstanding any tools or support the Clearing Agent Group and your Brokerage Firm provides to you, you have sole responsibility for, and will ensure, your compliance with any and all Applicable Laws that may apply to (i) your use of any of the Electronic Services, and (ii) any transaction executed through, or order or instruction communicated using, any of the Electronic Services or otherwise.

20. LEGALLY BINDING.

You hereby agree that the terms of this Agreement shall be binding upon you and your estate, heirs, executors, administrators, personal representatives, successors and assigns. You further agree that all purchases, sales and other transactions shall be for your Account(s) in accordance with your oral or written instructions given to your Brokerage Firm or the oral or written instruction of your Investment Advisor or Brokerage Firm if you have granted your investment Advisor or Brokerage Firm trading authorization on your account(s). You hereby waive any and all defenses that any instruction with respect to any of your Accounts was not in writing as may be required by the Statute of Frauds or any similar Applicable Laws.

21. AMENDMENT; TERMINATION.

(a) You agree that the Clearing Agent Group may modify the terms of this Agreement at any time upon prior written notice to you. By continuing to accept services from the Clearing Agent Group thereafter, you will have indicated your acceptance of any such modification. If you do not accept such modification, you must notify the Clearing Agent Group in writing; your Account(s) may then be terminated by the Clearing Agent Group, after which you will remain liable to the Clearing Agent Group for all outstanding Obligations. Otherwise, this Agreement may not be modified absent a written

instrument signed by an authorized representative of the Clearing Agent Group.

(b) You may close any of your Account(s) at any time by giving instructions to your Brokerage Firm or if you are unable to reach your Brokerage Firm, then by providing the Clearing Agent Group with written notice, provided that the Clearing Agent Group receives all securities and/or other property for which your Account(s) are short and you have satisfied all of your outstanding Obligations which you owe to any Clearing Agent entity for any reason whatsoever.

(c) The Clearing Agent Group reserves the right to terminate this Agreement or your Account(s) at any time for any reason. The provisions of this Agreement shall survive termination of this Agreement and/or closure of your Account(s) insofar as they relate to Obligations, actions or failures to take action relating to, arising in or with respect to the period prior to termination of this Agreement or closure of your Account(s).

(d) On termination of this Agreement or closure of your Account(s), it will be your responsibility to issue instructions in writing with regard to the assets held in your Account(s). Unless and until the Clearing Agent Group receives such instructions, it will be under no obligation to take any action with regard to your assets. You agree that you will be responsible for any transaction costs associated with your instructions, including commissions and related costs.

22. GOVERNING LAW.

THIS AGREEMENT AND ANY CLAIM, CONTROVERSY OR DISPUTE ARISING UNDER OR RELATED TO THIS AGREEMENT, THE RELATIONSHIP OF THE PARTIES, AND/OR THE INTERPRETATION AND ENFORCEMENT OF THE RIGHTS AND DUTIES OF THE PARTIES WILL BE GOVERNED BY THE LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO ANY CONFLICTS OF LAW PRINCIPLES.

23. ARBITRATION; CONSENT TO JURISDICTION; SERVICE OF PROCESS.

(a) 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.**
- **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.

• **BY SIGNING THIS AGREEMENT YOU AND THE CLEARING AGENT GROUP AGREE, THAT CONTROVERSIES ARISING UNDER OR RELATING TO ANY ACTIVITY OR THIS AGREEMENT BETWEEN YOU AND THE CLEARING AGENT GROUP, ITS PREDECESSORS, AND ANY OF THEIR RESPECTIVE SUCCESSORS, ASSIGNS, AND ANY OF THEIR, DIRECTORS, EMPLOYEES, AND ANY OTHER CONTROL PERSONS AND ANY OF THEIR AGENTS, WHETHER ARISING PRIOR TO, ON OR SUBSEQUENT TO THE DATE HEREOF, SHALL BE DETERMINED BY ARBITRATION AND IN ACCORDANCE WITH THE RULES OF THE FINANCIAL INDUSTRY REGULATORY AUTHORITY, INC. ("FINRA") BEFORE AN ARBITRATION PANEL APPOINTED BY FINRA IN ACCORDANCE WITH ITS RULES AND SUCH HEARING OR HEARINGS SHALL BE CONDUCTED IN A LOCALE SELECTED BY FINRA. THE AWARD OF THE ARBITRATORS, OR OF THE MAJORITY OF THEM, SHALL BE FINAL, AND JUDGMENT UPON THE AWARD RENDERED MAY BE ENTERED IN ANY COURT, STATE OR FEDERAL, HAVING JURISDICTION.**

(b) Notwithstanding the provisions of subparagraph (a) above, either party may, at any time prior to the initial arbitration hearing pertaining to such dispute or controversy, seek by application to the U.S. District Court for the Southern District of New York or the Supreme Court of the State of New York for the County of New York any such temporary or provisional relief or remedy ("Provisional Remedy") provided for by the laws of the U.S. or the laws of the State of New York as would be available in an action based upon such dispute or controversy in the absence of an agreement to arbitrate. The parties acknowledge and agree that it is their intention to have any such application for a Provisional Remedy decided by the Court to which it is made and that such application shall not be referred to or settled by arbitration. No such application to either said Court for a Provisional Remedy, nor any act or conduct by either party in furtherance of or in opposition to such application, shall constitute a relinquishment or waiver of any right to have the underlying dispute or controversy with respect to which such application is made settled by arbitration in accordance with subparagraph (a) above.

(c) With respect to any application for a Provisional Remedy and any application for judgment on an arbitration award, each party irrevocably (i) submits to the jurisdiction of the U.S. District Court for the Southern District of New York or the Supreme Court of the State of New York for the County of New York, (ii) waives any objection which it may have at any time to the laying of venue of any proceedings brought in any such court, waives any claim that such proceedings have been brought in an inconvenient forum and further waives the right to object, with respect to such proceedings, that such court does not have any jurisdiction over such party, and (iii) consents to service of process by certified mail, return receipt requested, to the address provided for herein.

(d) You hereby agree to receive service of process in connection with any legal matters or actions or proceedings based upon, arising out of or relating in any way to this Agreement by confirmed, return-receipt requested mail and that delivery shall be presumed if such service is mailed to the address maintained by the Clearing Agent Group in its records and the requested receipt is returned.

24. SEVERABILITY.

If and to the extent any term or provision herein is or should become invalid or unenforceable, then (i) the remaining terms and provisions hereof shall be unimpaired and remain in full force and effect and (ii) the invalid or unenforceable provision or term shall be replaced by a term or provision that is valid and enforceable and that comes closest to expressing the intention of such invalid or unenforceable term or provision.

25. EXTRAORDINARY EVENTS.

The Clearing Agent Group shall not be liable for losses caused directly or indirectly by suspension of trading, wars, civil disturbances, terrorism, strikes, natural calamities, labor or material shortages, government restrictions, acts or omissions of exchanges, specialists, markets, clearance organizations or information providers, delays in mails, delays or inaccuracies in the transmission of orders or

information, governmental, exchange or self-regulatory organization laws, rules or actions, or any other causes beyond the Clearing Agent Group's control that may prevent or delay the performance of the Clearing Agent Group's obligations.

26. HEADINGS.

The headings of the provisions hereof are for ease of reference only and shall not affect the interpretation or application of this Agreement or in any way modify or qualify any of the rights or obligations provided for hereunder.

27. TELEPHONE AND ELECTRONIC COMMUNICATIONS.

You hereby authorize the Clearing Agent Group to monitor and/or record any or all telephone and/or electronic communications between you and the Clearing Agent Group or any of the Clearing Agent Group's employees or agents. You agree that such recordings may be used in connection with a dispute between the parties. You acknowledge that the Clearing Agent Group may determine not to make or keep such recordings and that such determination shall not in any way affect any party's rights.

28. OTHER AGREEMENTS; ADDITIONAL RIGHTS; ENTIRE AGREEMENT.

The rights and remedies granted herein to each party are in addition to any other rights and remedies which arise under other agreements you may have with any Clearing Agent entity. The provisions of this Agreement shall supersede any inconsistent provisions of any other agreement entered into between you and any Clearing Agent entity concerning the subject matter hereof, unless such other agreement expressly states that the terms thereof shall supersede this Agreement. Except as set forth above, this Agreement represents the entire agreement and understanding between you and the Clearing Agent Group concerning the subject matter hereof.

29. CAPACITY TO CONTRACT; AFFILIATIONS.

(a) If you are a natural person, you represent that you are of legal age to enter into contracts in the state of your domicile and that, unless you have notified the Clearing Agent Group to the contrary, neither you nor any member of your immediate family is: (i) an employee or member of any exchange, (ii) an employee or member of FINRA, (iii) an employee of any corporation or firm engaged in the business of dealing, as broker or principal, in securities, options or futures or (iv) an employee of any bank, trust company or insurance company. Persons signing on behalf of others should indicate the titles or capacities in which they are signing.

(b) If the undersigned is signing on behalf of others, the undersigned hereby represents that the person(s) or entity(ies) on whose behalf it is signing is/are authorized to enter into this Agreement and that the undersigned is duly authorized to sign this Agreement and make the representations herein in the name and on behalf of such other person(s) or entity(ies). Subject to the preceding sentence, you represent that only the undersigned has any interest in the Account(s) established pursuant to this Agreement.

30. WAIVER, ASSIGNMENT, NOTICES AND LIMITATION OF LIABILITY.

(a) Neither the Clearing Agent Group's failure to insist at any time upon strict compliance with the terms of this Agreement nor any continued course of such conduct on its part shall constitute or be considered a waiver by the Clearing Agent Group of any of its rights or privileges hereunder. Any assignment of your rights and obligations hereunder or your interest in any property held by or through the Clearing Agent Group without obtaining the prior written consent of an authorized representative of the Clearing Agent Group shall be null and void. Each Clearing Agent entity reserves the right to assign any of its rights or obligations hereunder to any other Clearing Agent entity without prior notice to you. Notices and other communications (including, without limitation, margin calls) delivered, faxed, sent by electronic mail, sent by express delivery service or mailed to the address provided by you shall, until the Clearing Agent Group has received notice in writing of a different address, be deemed to have been personally delivered to you whether actually received or not. Notices and other communications may also be provided to you verbally. Such notices and other communications left for you on your answering machine, or otherwise, shall be deemed to have been delivered to you whether actually received or not. Notices and other communications from you to the Clearing Agent Group shall be in writing. You hereby authorize the Clearing Agent Group to accept facsimile copies of this or any other document or instruction as if it were the original and to accept signatures on facsimiles as if they

were originals.

The Clearing Agent Group may rely on the certifications, representations, warranties, agreements and acknowledgments contained in this Agreement until the close of business on the second business day after the Clearing Agent Group receives written notice of the modification or revocation thereof at its offices at the following address(es), as applicable:

J.P. Morgan Clearing Corp.
 Attn: Chief Legal Officer
 Client Services NY1-H051
 Three Metrotech Center
 Brooklyn, New York 11245-0001

or any other address that has been provided by the Clearing Agent Group specifically for such purpose; provided, that the Clearing Agent Group may rely on such certifications, representations, warranties, agreements and acknowledgments, with respect to any transaction

REQUEST FOR TAXPAYER ID NUMBER AND CERTIFICATION 073

Certification of Taxpayer ID Number of the first name, or minor's name for custodial accounts, appearing in Account Title on page 1 or, if different, specify below:

Name (as shown on your income tax return) _____

Business name/ disregarded entity name, if different from above _____

Check appropriate box for federal tax classification (required):

Individual/Sole Proprietor C Corporation S Corporation

Partnership Trust/ estate

Limited liability company. Enter the tax classification:

(C=C corporation, S=S corporation, P=partnership): _____

Other, specify: _____ Exempt Payee

Address:

(Number, street, and apt. or suite no.) _____

(City, state, and zip code) _____

PART 1: TAXPAYER IDENTIFICATION NUMBER ("TIN")

Enter your TIN in the appropriate box. For individuals, this is your social security number. For other entities, it is your employer identification number. **If you are a foreign person, please do not complete this form;** instead, please submit a Form W-8 (BEN, IMY, ECI or EXP) with this Agreement.

Social Security # - -

Employer ID # (For Entities) -

Part 2: CERTIFICATION

UNDER PENALTIES OF PERJURY, I CERTIFY THAT:

1. THE NUMBER SHOWN ABOVE IS MY CORRECT TAXPAYER IDENTIFICATION NUMBER; AND
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. CITIZEN OR OTHER U.S. PERSON (AS DEFINED IN THE INSTRUCTIONS ON IRS FORM W-9).

Certification Instructions: You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return.

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entered into prior to the effectiveness of such modification or revocation.

(b) To the extent permitted by Applicable Laws, you agree that no Clearing Agent entity shall have any liability for any consequential, indirect, incidental, or any similar damages, and you irrevocably and unconditionally waive any right you may have to claim or recover any such damages (even if you have informed the Clearing Agent Group of the possibility or likelihood of such damages).

31. PRIVACY.

You hereby acknowledge receipt of JP Morgan's Privacy Policy. In accordance with and as set forth in the Privacy Policy, the Clearing Agent Group will use the information you provide to, among other things, open and service your Account(s), communicate with you and your Investment Advisor, if any, when necessary and provide you with information about additional products and services. In addition, JP Morgan may disclose information about you and your Account(s) to certain other third parties including, without limitation, Investment Advisors or third parties providing, among other things, trade order, portfolio management, billing or performance reporting systems.

SEC DISCLOSURE TO ISSUERS 085

IT IS JP MORGAN'S POLICY TO PROTECT THE CONFIDENTIALITY OF CUSTOMER INFORMATION. HOWEVER, THE LAW REQUIRES JP MORGAN, UPON AN ISSUER'S REQUEST, TO PROVIDE THE NAMES, ADDRESSES AND SECURITIES POSITIONS OF CUSTOMERS WHO ARE BENEFICIAL OWNERS OF THE ISSUER'S COMMON STOCK AND WHO HAVE NOT OBJECTED TO DISCLOSURE OF SUCH INFORMATION. BY INITIALING THIS SECTION, YOU DO NOT WANT INFORMATION ABOUT YOU OR YOUR SECURITIES HOLDINGS DISCLOSED TO ANY ISSUERS.

Account Holder/ Trustee/Custodian _____ Add'l Account Holder/Co-Trustee _____

BY SIGNING THIS AGREEMENT, YOU ACKNOWLEDGE THAT:

1. YOU HAVE RECEIVED A COPY OF AND HAVE READ THIS AGREEMENT AND AGREE TO ITS TERMS AND CONDITIONS;
2. SECURITIES IN YOUR MARGIN ACCOUNT(S) AND ANY SECURITIES FOR WHICH YOU HAVE NOT FULLY PAID, TOGETHER WITH ALL ATTENDANT OWNERSHIP RIGHTS, MAY BE USED BY THE CLEARING AGENT GROUP OR SOLD OR PLEDGED TO THE CLEARING AGENT GROUP OR TO OTHERS;
3. THIS AGREEMENT CONTAINS A PRE-DISPUTE ARBITRATION CLAUSE AT SECTION 23, PAGE 6, OF THIS AGREEMENT; AND
4. THE IRS DOES NOT REQUIRE YOUR CONSENT TO ANY PROVISION OF THIS DOCUMENT OTHER THAN THE CERTIFICATIONS REQUIRED TO AVOID BACKUP WITHHOLDING.

Dated _____, 20____
 Insert Date (**Date is required**)

X

 Signature of person providing and certifying TIN

(Typed or Printed Name) (Title, if applicable)

X

 Signature

(Typed or Printed Name) (Title, if applicable)