

Item 1: Cover Page
Part 2A of Form ADV: Firm Brochure
October 2018

Perennial Investment Advisors
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Chief Compliance Officer

This brochure provides information about the qualifications and business practices of Perennial Investment Advisors, LLC. If clients have any questions about the contents of this brochure, please contact us at 310-445-2504. The information in this brochure has not been approved or verified by the United States Securities and Exchange Commission or by any State Securities Authority. Additional information about our firm is also available on the SEC's website at www.adviserinfo.sec.gov by searching CRD #286477.

Please note that the use of the term "registered investment adviser" and description of our firm and/or our associates as "registered" does not imply a certain level of skill or training. Clients are encouraged to review this Brochure and Brochure Supplements for our firm's associates who advise clients for more information on the qualifications of our firm and our employees.

Item 2: Material Changes

Perennial Investment Advisors is required to make clients aware of information that has changed since the last annual update to the Firm Brochure ("Brochure") and that may be important to them. Clients can then determine whether to review the brochure in its entirety or to contact us with questions about the changes.

Since our last annual amendment filed on 01/24/18, we have the following material changes to disclose:

- We are now utilizing SEI as a Turnkey Asset Management Program (TAMP) in our service offerings.
- John Petrick has received a small business loan to acquire a departing advisor's book of business. For more information, please refer to Item 12 of this Brochure.
- We have acquired a local advisor's book of business and as a result have added National Financial Services LLC and Fidelity Brokerage Services LLC (collectively, and together with all affiliates, "Fidelity") as a custodian. For more information, please refer to Item 12 of this Brochure.
- Our advisor Bart Albrigo has a promissory note in place with an advisor for acquisition of a book of business. For more information, please see Item 12.

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Item 4: Advisory Business

Our firm is dedicated to providing individuals and other types of clients with a wide array of investment advisory services. Our firm is a limited liability company formed under the laws of the State of California in 2017. The following individuals own 5% or more of our firm: John Petrick, Christopher Nowakowski, Bradley Harris and Dane Streeter.

Our firm provides asset management and investment consulting services for many different types of clients to help meet their financial goals while remaining sensitive to risk tolerance and time horizons. As a fiduciary, it is our duty to always act in the client's best interest. This is accomplished in part by knowing the client. Our firm has established a service-oriented advisory practice with open lines of communication. Working with clients to understand their investment objectives while educating them about our process, facilitates the kind of working relationship we value.

Types of Advisory Services Offered

Portfolio Management:

As part of our Portfolio Management services, Clients may be provided with standalone asset management or a combination of asset management and financial planning or consulting services. This service is designed to assist clients in meeting their financial goals through the use of a financial plan or consultation. Our firm conducts client meetings to understand their current financial situation, existing resources, financial goals, and tolerance for risk. Based on what is learned, an investment approach is presented to the client that may consist of individual stocks, bonds, Exchange Traded Funds ("ETFs"), options, mutual funds and other public and private securities or investments. Once the appropriate portfolio has been determined, portfolios are continuously and regularly monitored, and if necessary, rebalanced based upon the client's individual needs, stated goals and objectives. Upon client request, our firm provides a summary of observations and recommendations for the planning or consulting aspects of this service.

Financial Planning & Consulting:

Our firm provides a variety of standalone financial planning and consulting services to clients for the management of financial resources based upon an analysis of current situation, goals, and objectives. Financial planning services will typically involve preparing a financial plan or rendering a financial consultation for clients based on the client's financial goals and objectives. This planning or consulting may encompass Investment Planning, Retirement Planning, Estate Planning, Charitable Planning, Education Planning, Corporate and Personal Tax Planning, Cost Segregation Study, Corporate Structure, Real Estate Analysis, Mortgage/Debt Analysis, Insurance Analysis, Lines of Credit Evaluation, or Business and Personal Financial Planning. Written financial plans or financial consultations rendered to clients usually include general recommendations for a course of activity or specific actions to be taken by the clients. Implementation of the recommendations will be at the discretion of the client. Our firm provides clients with a summary of their financial situation, and observations for financial planning engagements. Financial consultations are not typically

accompanied by a written summary of observations and recommendations, as the process is less formal than the planning service. Assuming that all the information and documents requested from the client are provided promptly, plans or consultations are typically completed within 6 months of the client signing a contract with our firm.

Retirement Plan Consulting:

Our firm provides retirement plan consulting services to employer plan sponsors on an ongoing basis. Generally, such consulting services consist of assisting employer plan sponsors in establishing, monitoring and reviewing their company's participant-directed retirement plan. As the needs of the plan sponsor dictate, areas of advising could include: investment options, plan structure and participant education. Retirement Plan Consulting services typically include:

- Establishing an Investment Policy Statement – Our firm will assist in the development of a statement that summarizes the investment goals and objectives along with the broad strategies to be employed to meet the objectives.
- Investment Options – Our firm will work with the Plan Sponsor to evaluate existing investment options and make recommendations for appropriate changes.
- Asset Allocation and Portfolio Construction – Our firm will develop strategic asset allocation models to aid Participants in developing strategies to meet their investment objectives, time horizon, financial situation and tolerance for risk.
- Investment Monitoring – Our firm will monitor the performance of the investments and notify the client in the event of over/underperformance and in times of market volatility.

In providing services for retirement plan consulting, our firm does not provide any advisory services with respect to the following types of assets: employer securities, real estate (excluding real estate funds and publicly traded REITS), participant loans, non-publicly traded securities or assets, other illiquid investments, or brokerage window programs (collectively, “Excluded Assets”). All retirement plan consulting services shall be in compliance with the applicable state laws regulating retirement consulting services. This applies to client accounts that are retirement or other employee benefit plans (“Plan”) governed by the Employee Retirement Income Security Act of 1974, as amended (“ERISA”). If the client accounts are part of a Plan, and our firm accepts appointment to provide services to such accounts, our firm acknowledges its fiduciary standard within the meaning of Section 3(21) or 3(38) of ERISA as designated by the Retirement Plan Consulting Agreement with respect to the provision of services described therein.

Where the plan sponsor elects to offer Plan participants the option of using Employee Advice Solution for discretionary investment management services, our firm will enter into a separate agreement with that participant, describing our services and fees for that service. Our firm requests that the participant provide information that will help us understand their investment objectives. In providing this service, our firm is deemed to be a fiduciary and an investment manager as defined in ERISA Section 3(38).

SEI Programs:

Our firm recommends that certain of our clients allocate investment assets among the various mutual fund asset allocation models, underlying mutual funds, and/or independent investment manager programs offered through SEI Investments Management Corp. (“SEI”). SEI is a global asset management company and sponsor of its own proprietary mutual funds. SEI Private Trust Company, an affiliate of SEI, serves as custodian for each SEI account, and provides each client with reporting services, including consolidated monthly statements, quarterly performance reports, and year-end

tax reports. SEI enables investment advisers such as our firm to offer its clients mutual fund asset allocation models, underlying individual mutual funds, and investment management programs that are not otherwise available to the general public. As part of its overall investment management program, SEI offers quarterly rebalancing of each client's investment assets for the purpose of maintaining the assets in accordance with the client's previously designated percentage (%) asset allocations for the SEI account. Our firm shall not remove clients' account from SEI to another program without the client's consent.

LPL Sponsored Advisory Programs:

When appropriate we have the ability to provide advisory services through certain programs sponsored by LPL Financial, LLC ("LPL"). Below is a brief description of each LPL advisory program available to us. Annualized fees for participation in LPL advisory programs vary up to maximum of 2.00%. For more information regarding the LPL programs, including more information on the advisory services and fees that apply, the types of investments available in the programs and the potential conflicts of interest presented by the programs please see the LPL Form ADV Part 2 or the applicable LPL program's Wrap Fee Program Brochure and the applicable LPL client agreement.

- **Guided Wealth Portfolios Program ("GWP"):**

GWP offers clients the ability to participate in a centrally managed, algorithm-based investment program, which is made available to users and clients through a web-based, interactive account management portal ("Investor Portal"). Investment recommendations to buy and sell open-end mutual funds and exchange-traded funds are generated through proprietary, automated, computer algorithms (collectively, the "Algorithm") of Xulu, Inc., doing business as FutureAdvisor ("FutureAdvisor"), based upon model portfolios constructed by LPL and selected for the account as described below (such model portfolio selected for the account, the "Model Portfolio"). Communications concerning GWP are intended to occur primarily through electronic means (including but not limited to, through email communications or through the Investor Portal), although our firm will be available to discuss investment strategies, objectives or the account in general in person or via telephone.

A preview of the GWP Program (the "Educational Tool") is provided for a period of up to 45 days to help users determine whether they would like to become advisory clients and receive ongoing financial advice from LPL, FutureAdvisor and our firm by enrolling in the advisory service (the "Managed Service"). The Educational Tool and Managed Service are described in more detail in the GWP Program Brochure. Users of the Educational Tool are not considered to be advisory clients of LPL, FutureAdvisor or our firm, do not enter into an advisory agreement with LPL, FutureAdvisor or our firm, do not receive ongoing investment advice or supervisions of their assets, and do not receive any trading services.

A minimum account value of \$5,000 is required to enroll in the Managed Service.

- **Manager Access Select Program ("MAS"):**

MAS provides clients access to the investment advisory services of professional portfolio management firms for the individual management of client accounts. We will assist client in identifying a third party portfolio manager (Portfolio Manager) from a list of Portfolio Managers made available by LPL. The Portfolio Manager manages client's assets on a discretionary basis. We will provide initial and ongoing assistance regarding the Portfolio

Manager selection process. A minimum account value of \$100,000 is required for Manager Access Select, however, in certain instances, the minimum account size may be lower or higher.

- **Model Wealth Portfolios Program (“MWP”):**

MWP offers clients a professionally managed mutual fund asset allocation program. We will obtain the necessary financial data from the client, assist the client in determining the suitability of the MWP program and assist the client in setting an appropriate investment objective. We initiate the steps necessary to open an MWP account and have discretion to select a model portfolio designed by LPL’s Research Department consistent with the client’s stated investment objective. LPL’s Research Department is responsible for selecting the mutual funds within a model portfolio and for making changes to the mutual funds selected. The client will authorize LPL to act on a discretionary basis to purchase and sell mutual funds, including in certain circumstances exchange traded funds and to liquidate previously purchased securities. The client will also authorize LPL to effect rebalancing for MWP accounts. The MWP program may make available model portfolios designed by strategists other than LPL’s Research Department. If such models are made available, we will have discretion to choose among the available models designed by LPL and outside strategists. A minimum account value of \$25,000 is required for MWP.

- **Optimum Market Portfolios Program (“OMP”):**

OMP offers clients the ability to participate in a professionally managed asset allocation program using Optimum Funds Class I shares. Under OMP, the client will authorize LPL on a discretionary basis to purchase and sell Optimum Funds pursuant to investment objectives chosen by the client. We will assist the client in determining the suitability of OMP for the client and assist the client in setting an appropriate investment objective. Adviser will have discretion to select a mutual fund asset allocation portfolio designed by LPL consistent with the client’s investment objective. LPL will have discretion to purchase and sell Optimum Funds pursuant to the portfolio selected for the client. LPL will also have authority to rebalance the account. A minimum account value of \$10,000 is required for OMP.

- **Personal Wealth Portfolios Program (“PWP”):**

PWP offers clients an asset management account using asset allocation model portfolios designed by LPL. We will have discretion for selecting the asset allocation model portfolio based on client’s investment objective. We will also have discretion for selecting third party money managers (PWP advisors) or mutual funds within each asset class of the model portfolio. LPL will act as the overlay portfolio manager on all PWP accounts and will be authorized to purchase and sell on a discretionary basis mutual funds and equity and fixed income securities. A minimum account value of \$250,000 is required for PWP.

Tailoring of Advisory Services

Our firm offers individualized investment advice to our Portfolio Management clients. General investment advice will be offered to our Financial Planning & Consulting, Retirement Plan Consulting, and LPL Sponsored Advisory Program clients. Each Portfolio Management client has the opportunity to place reasonable restrictions on the types of investments to be held in the portfolio. Restrictions on

investments in certain securities or types of securities may not be possible due to the level of difficulty this would entail in managing the account.

Participation in Wrap Fee Programs

Our firm offers a wrap fee program as further described in Part 2A, Appendix 1 (the “Wrap Fee Program Brochure”). Our firm does not manage wrap fee accounts in a different fashion than non-wrap fee accounts. All accounts are managed on an individualized basis according to the client’s investment objectives, financial goals, risk tolerance, etc.

Regulatory Assets Under Management

As of December 2017, our firm manages \$155,900,000 in discretionary assets.

Item 5: Fees & Compensation

Compensation for Our Advisory Services

Portfolio Management:

LPL:

The maximum annual fee to be charged to the client’s account(s) will not exceed 2.00%. The fee to be assessed to each account will be detailed in the client’s signed advisory agreement, LPL Account Application or LPL Tiered Fee Authorization form. Fees are billed on a pro-rata basis quarterly in advance based on the value of the account(s) on the last day of the previous quarter. Fees are negotiable and will be deducted from the account(s). Please note that fees will be adjusted for deposits and withdrawals made during the quarter. If accounts are opened during the quarter, the pro-rata advisory fees will be deducted during the next regularly scheduled billing cycle. In rare cases, our firm will agree to direct bill clients. As part of this process, Clients understand the following:

- a) LPL as the client’s custodian sends statements at least quarterly, showing all disbursements for each account, including the amount of the advisory fees paid to our firm;
- b) Clients provide authorization permitting LPL to deduct these fees;
- c) LPL calculates the advisory fees for all fee schedules and deducts them from the client’s account.

Fidelity:

The maximum annual fee charged for this service will not exceed 2.00%. Fees to be assessed will be outlined in the advisory agreement to be signed by the Client. Annualized fees are billed on a pro-rata basis in advance based on the value of the account(s) on the last day of the previous quarter. Fees are negotiable and will be deducted from client account(s). Adjustments will be made for deposits and withdrawals during the quarter. In rare cases, our firm will agree to directly invoice. As part of this process, Clients understand the following:

- a) The client's independent custodian sends statements at least quarterly showing the market values for each security included in the Assets and all account disbursements, including the amount of the advisory fees paid to our firm;
- b) Clients will provide authorization permitting our firm to be directly paid by these terms. Our firm will send an invoice directly to the custodian; and
- c) If our firm sends a copy of our invoice to the client, a legend urging the comparison of information provided in our statement with those from the qualified custodian will be included.

Financial Planning & Consulting:

Our firm charges on an hourly or flat fee basis for financial planning and consulting services. The total estimated fee, as well as the ultimate fee charged, is based on the scope and complexity of our engagement with the client. The maximum hourly fee to be charged will not exceed \$350. Flat fees range from \$1,500 to \$10,000. Our firm requires a retainer of 50% of the ultimate financial planning or consulting fee at the time of signing. The remainder of the fee will be directly billed to the client and due within 30 days of a financial plan being delivered or consultation rendered. Our firm will not require a retainer exceeding \$1,200 when services cannot be rendered within 6 months.

Retirement Plan Consulting:

Our Retirement Plan Consulting services are billed based on the percentage of Plan assets under management. The total estimated fee, as well as the ultimate fee charged, is based on the scope and complexity of our engagement with the client. Fees based on a percentage of managed Plan assets will not exceed 1.00%. The fee-paying arrangements for Retirement Plan Consulting service will be determined on a case-by-case basis and will be detailed in the signed consulting agreement. Clients will be invoiced directly for the fees.

Where you elect to offer Plan participants the option of using our Employee Advice Solution for discretionary investment management services, we will enter into a separate agreement with that participant, describing our services and fees for that service. We also ask that the participant provide information that will help us understand their investment objectives. In providing this service, we are deemed to be a fiduciary and an investment manager as defined in ERISA Section 3(38). The initial account fee is due at the beginning of the quarter following the execution of the separate agreement. Subsequent account fee payments are due and will be assessed at the beginning of each quarter for the previous quarter and are based on the value of the assets in client's account as of the close of business on the last business day of the preceding quarter as valued by the plan recordkeeper. Additional deposits and withdrawals may be added or subtracted from the account, as the case may be, which may lead to an adjustment of the account fee. All account fees will be deducted from the account pursuant to the authorization granted in the separate agreement. If, however, client's account assets are invested automatically under the plan in a qualified default investment alternative designated by the plan (a "QDIA"), the calculation of the account fee will exclude such assets, and no account fee shall be due with respect to such assets, until they have been invested in the QDIA for at least 90 consecutive days.

SEI Programs:

Our firm charges an annual advisory fee of up to a maximum of 2.00% based on the value of assets in an SEI program account. The advisory fee is negotiable between our firm and the client. The exact fee and/or fee schedule for each client will be disclosed in the Client Agreement.

LPL Sponsored Advisory Programs:

The account fee charged to the client for each LPL advisory program varies up to a maximum of 3.00%. Account fees are payable quarterly in advance. Fees are negotiable. The actual fee assessed will be disclosed in the program. LPL serves as program sponsor, investment advisor and broker-dealer for the LPL advisory programs. Our firm and LPL share in the account fee and other fees associated with program accounts.

Other Types of Fees & Expenses

Non-Wrap Clients will incur transaction charges for trades executed in their accounts. These transaction fees are separate from our firm's advisory fees and will be disclosed by the chosen custodian. Clients may also pay holdings charges imposed by the chosen custodian for certain investments, charges imposed directly by a mutual fund, index fund, or exchange traded fund, which shall be disclosed in the fund's prospectus (i.e., fund management fees, initial or deferred sales charges, mutual fund sales loads, 12b-1 fees, surrender charges, variable annuity fees, IRA and qualified retirement plan fees, and other fund expenses). Our firm does not receive a portion of these fees.

Wrap clients will not incur transaction costs for trades. More information about this can be found in our separate Wrap Fee Program Brochure.

Termination & Refunds

Either party may terminate the signed advisory agreement at any time. Upon receipt of your notice of termination, our firm or LPL, depending on your custodial arrangement, will process a pro-rate refund of the unearned portion of the advisory fees charged in advance at the beginning of the quarter.

Financial Planning & Consulting clients may terminate their agreement at any time before the delivery of a financial plan by providing written notice. For purposes of calculating refunds, all work performed by us up to the point of termination shall be calculated at the hourly fee currently in effect. Clients will receive a pro-rata refund of unearned fees based on the time and effort expended by our firm.

Either party to a Retirement Plan Consulting Agreement may terminate at any time by providing written notice to the other party. Full refunds will only be made in cases where cancellation occurs within 5 business days of signing an agreement. After 5 business days from initial signing, either party must provide the other party 30 days' written notice to terminate billing. Billing will terminate 30 days after receipt of termination notice. Clients will be charged on a pro-rata basis, which takes into account work completed by our firm on behalf of the client. Clients will incur charges for bona fide advisory services rendered up to the point of termination (determined as 30 days from receipt of said written notice) and such fees will be due and payable.

Commissionable Securities Sales

Representatives of our firm are also associated with LPL as broker-dealer registered representatives ("Dually Registered Persons"). In their capacity, as registered representatives of LPL, certain Dually Registered Persons may earn commissions for the sale of securities or investment products that they recommend for brokerage clients. They do not earn commissions on the sale of securities or

investment products recommended or purchased in advisory accounts through our firm. Clients have the option of purchasing many of the securities and investment products made available through another broker-dealer or investment adviser. When purchasing these securities and investment products away from our firm, however, Clients will not receive the benefit of the advice and other services we provide.

Item 6: Performance-Based Fees & Side-By-Side Management

Our firm does not charge performance-based fees.

Item 7: Types of Clients & Account Requirements

Our firm has the following types of clients:

- Individuals and High Net Worth Individuals;
- Trusts, Estates or Charitable Organizations;
- Pension and Profit Sharing Plans;
- Corporations, Limited Liability Companies and/or Other Business Types.

Our firm does not impose requirements for opening and maintaining accounts or otherwise engaging us.

Item 8: Methods of Analysis, Investment Strategies & Risk of Loss

The following methods of analysis and investment strategies may be utilized in formulating our investment advice and/or managing client assets, provided that such methods and/or strategies are appropriate to the needs of the client and consistent with the client's investment objectives, risk tolerance, and time horizons, among other considerations.

General Risks of Owning Securities

The prices of securities held in client accounts and the income they generate may decline in response to certain events taking place around the world. These include events directly involving the issuers of securities held as underlying assets of mutual funds in a client's account, conditions affecting the general economy, and overall market changes. Other contributing factors include local, regional, or global political, social, or economic instability and governmental or governmental agency responses to economic conditions. Finally, currency, interest rate, and commodity price fluctuations may also affect security prices and income.

The prices of, and the income generated by, most debt securities held by a client's account may be affected by changing interest rates and by changes in the effective maturities and credit ratings of these securities. For example, the prices of debt securities in the client's account generally will decline when interest rates rise and increase when interest rates fall. In addition, falling interest rates may cause an issuer to redeem, "call" or refinance a security before its stated maturity, which may result

in our firm having to reinvest the proceeds in lower yielding securities. Longer maturity debt securities generally have higher rates of interest and may be subject to greater price fluctuations than shorter maturity debt securities. Debt securities are also subject to credit risk, which is the possibility that the credit strength of an issuer will weaken and/or an issuer of a debt security will fail to make timely payments of principal or interest and the security will go into default.

The guarantee of a security backed by the U.S. Treasury or the full faith and credit of the U.S. government only covers the timely payment of interest and principal when held to maturity. This means that the current market values for these securities will fluctuate with changes in interest rates.

Investments in securities issued by entities based outside the United States may be subject to increased levels of the risks described above. Currency fluctuations and controls, different accounting, auditing, financial reporting, disclosure, regulatory and legal standards and practices could also affect investments in securities of foreign issuers. Additional factors may include expropriation, changes in tax policy, greater market volatility, different securities market structures, and higher transaction costs.

Finally, various administrative difficulties, such as delays in clearing and settling portfolio transactions, or in receiving payment of dividends can increase risk. Finally, investments in securities issued by entities domiciled in the United States may also be subject to many of these risks.

Methods of Analysis

Securities analysis methods rely on the assumption that the companies whose securities are purchased and/or sold, the rating agencies that review these securities, and other publicly-available sources of information about these securities, are providing accurate and unbiased data. While our firm is alert to indications that data may be incorrect, there is always a risk that our firm's analysis may be compromised by inaccurate or misleading information.

Charting: In this type of technical analysis, our firm reviews charts of market and security activity in an attempt to identify when the market is moving up or down and to predict when how long the trend may last and when that trend might reverse.

Cyclical Analysis: Statistical analysis of specific events occurring at a sufficient number of relatively predictable intervals that they can be forecasted into the future. Cyclical analysis asserts that cyclical forces drive price movements in the financial markets. Risks include that cycles may invert or disappear and there is no expectation that this type of analysis will pinpoint turning points, instead be used in conjunction with other methods of analysis.

Fundamental Analysis: The analysis of a business's financial statements (usually to analyze the business's assets, liabilities, and earnings), health, and its competitors and markets. When analyzing a stock, futures contract, or currency using fundamental analysis there are two basic approaches one can use: bottom up analysis and top down analysis. The terms are used to distinguish such analysis from other types of investment analysis, such as quantitative and technical. Fundamental analysis is performed on historical and present data, but with the goal of making financial forecasts. There are several possible objectives: (a) to conduct a company stock valuation and predict its probable price evolution; (b) to make a projection on its business performance; (c) to evaluate its management and make internal business decisions; (d) and/or to calculate its credit risk; and (e) to find out the intrinsic value of the share.

When the objective of the analysis is to determine what stock to buy and at what price, there are two basic methodologies investors rely upon: (a) Fundamental analysis maintains that markets may misprice a security in the short run but that the "correct" price will eventually be reached. Profits can be made by purchasing the mispriced security and then waiting for the market to recognize its "mistake" and reprice the security.; and (b) Technical analysis maintains that all information is reflected already in the price of a security. Technical analysts analyze trends and believe that sentiment changes predate and predict trend changes. Investors' emotional responses to price movements lead to recognizable price chart patterns. Technical analysts also analyze historical trends to predict future price movement. Investors can use one or both of these different but complementary methods for stock picking. This presents a potential risk, as the price of a security can move up or down along with the overall market regardless of the economic and financial factors considered in evaluating the stock.

Modern Portfolio Theory ("MPT"): A mathematical framework for assembling a portfolio of assets such that the expected return is maximized for a given level of risk, defined as variance. Its key insight is that an asset's risk and return should not be assessed by itself, but by how it contributes to a portfolio's overall risk and return. MPT assumes that investors are risk averse, meaning that given two portfolios that offer the same expected return, investors will prefer the less risky one. Thus, an investor will take on increased risk only if compensated by higher expected returns. Conversely, an investor who wants higher expected returns must accept more risk. The exact trade-off will be the same for all investors, but different investors will evaluate the trade-off differently based on individual risk aversion characteristics. The implication is that a rational investor will not invest in a portfolio if a second portfolio exists with a more favorable risk-expected return profile – i.e., if for that level of risk an alternative portfolio exists that has better expected returns.

The risk, return, and correlation measures used by MPT are based on expected values, which means that they are mathematical statements about the future (the expected value of returns is explicit in the above equations, and implicit in the definitions of variance and covariance). In practice, investors must substitute predictions based on historical measurements of asset return and volatility for these values in the equations. Very often such expected values fail to take account of new circumstances that did not exist when the historical data were generated. Mathematical risk measurements are also useful only to the degree that they reflect investors' true concerns—there is no point minimizing a variable that nobody cares about in practice. MPT uses the mathematical concept of variance to quantify risk, and this might be justified under the assumption of elliptically distributed returns such as normally distributed returns, but for general return distributions other risk measures (like coherent risk measures) might better reflect investors' true preferences.

Mutual Fund and/or Exchange Traded Fund ("ETF") Analysis: Analysis of the experience and track record of the manager of the mutual fund or ETF in an attempt to determine if that manager has demonstrated an ability to invest over a period of time and in different economic conditions. The underlying assets in a mutual fund or ETF are also reviewed in an attempt to determine if there is significant overlap in the underlying investments held in another fund(s) in the Client's portfolio. The funds or ETFs are monitored in an attempt to determine if they are continuing to follow their stated investment strategy. A risk of mutual fund and/or ETF analysis is that, as in all securities investments, past performance does not guarantee future results. A manager who has been successful may not be able to replicate that success in the future. In addition, as our firm does not control the underlying investments in a fund or ETF, managers of different funds held by the Client may purchase the same security, increasing the risk to the Client if that security were to fall in value. There is also a risk that a manager may deviate from the stated investment mandate or strategy of the fund or ETF, which could make the holding(s) less suitable for the Client's portfolio.

Technical Analysis: A security analysis methodology for forecasting the direction of prices through the study of past market data, primarily price and volume. A fundamental principle of technical analysis is that a market's price reflects all relevant information, so their analysis looks at the history of a security's trading pattern rather than external drivers such as economic, fundamental and news events. Therefore, price action tends to repeat itself due to investors collectively tending toward patterned behavior – hence technical analysis focuses on identifiable trends and conditions. Technical analysts also widely use market indicators of many sorts, some of which are mathematical transformations of price, often including up and down volume, advance/decline data and other inputs. These indicators are used to help assess whether an asset is trending, and if it is, the probability of its direction and of continuation. Technicians also look for relationships between price/volume indices and market indicators. Technical analysis employs models and trading rules based on price and volume transformations, such as the relative strength index, moving averages, regressions, inter-market and intra-market price correlations, business cycles, stock market cycles or, classically, through recognition of chart patterns. Technical analysis is widely used among traders and financial professionals and is very often used by active day traders, market makers and pit traders. The risk associated with this type of analysis is that analysts use subjective judgment to decide which pattern(s) a particular instrument reflects at a given time and what the interpretation of that pattern should be.

Third-Party Money Manager Analysis: The analysis of the experience, investment philosophies, and past performance of independent third-party investment managers in an attempt to determine if that manager has demonstrated an ability to invest over a period of time and in different economic conditions. Analysis is completed by monitoring the manager's underlying holdings, strategies, concentrations and leverage as part of our overall periodic risk assessment. Additionally, as part of the due-diligence process, the manager's compliance and business enterprise risks are surveyed and reviewed. A risk of investing with a third-party manager who has been successful in the past is that they may not be able to replicate that success in the future. In addition, as our firm does not control the underlying investments in a third-party manager's portfolio, there is also a risk that a manager may deviate from the stated investment mandate or strategy of the portfolio, making it a less suitable investment for our clients. Moreover, as our firm does not control the manager's daily business and compliance operations, our firm may be unaware of the lack of internal controls necessary to prevent business, regulatory or reputational deficiencies.

Investment Strategies & Asset Classes

Asset Allocation: The implementation of an investment strategy that attempts to balance risk versus reward by adjusting the percentage of each asset in an investment portfolio according to the investor's risk tolerance, goals and investment time frame. Asset allocation is based on the principle that different assets perform differently in different market and economic conditions. A fundamental justification for asset allocation is the notion that different asset classes offer returns that are not perfectly correlated, hence diversification reduces the overall risk in terms of the variability of returns for a given level of expected return. Although risk is reduced as long as correlations are not perfect, it is typically forecast (wholly or in part) based on statistical relationships (like correlation and variance) that existed over some past period. Expectations for return are often derived in the same way.

An asset class is a group of economic resources sharing similar characteristics, such as riskiness and return. There are many types of assets that may or may not be included in an asset allocation strategy. The "traditional" asset classes are stocks (value, dividend, growth, or sector-specific [or a "blend" of

any two or more of the preceding]; large-cap versus mid-cap, small-cap or micro-cap; domestic, foreign [developed], emerging or frontier markets), bonds (fixed income securities more generally: investment-grade or junk [high-yield]; government or corporate; short-term, intermediate, long-term; domestic, foreign, emerging markets), and cash or cash equivalents. Allocation among these three provides a starting point. Usually included are hybrid instruments such as convertible bonds and preferred stocks, counting as a mixture of bonds and stocks. Other alternative assets that may be considered include: commodities: precious metals, nonferrous metals, agriculture, energy, others.; Commercial or residential real estate (also REITs); Collectibles such as art, coins, or stamps; insurance products (annuity, life settlements, catastrophe bonds, personal life insurance products, etc.); derivatives such as long-short or market neutral strategies, options, collateralized debt, and futures; foreign currency; venture capital; private equity; and/or distressed securities.

There are several types of asset allocation strategies based on investment goals, risk tolerance, time frames and diversification. The most common forms of asset allocation are: strategic, dynamic, tactical, and core-satellite.

- **Strategic Asset Allocation:** The primary goal of a strategic asset allocation is to create an asset mix that seeks to provide the optimal balance between expected risk and return for a long-term investment horizon. Generally speaking, strategic asset allocation strategies are agnostic to economic environments, i.e., they do not change their allocation postures relative to changing market or economic conditions.
- **Dynamic Asset Allocation:** Dynamic asset allocation is similar to strategic asset allocation in that portfolios are built by allocating to an asset mix that seeks to provide the optimal balance between expected risk and return for a long-term investment horizon.^[3] Like strategic allocation strategies, dynamic strategies largely retain exposure to their original asset classes; however, unlike strategic strategies, dynamic asset allocation portfolios will adjust their postures over time relative to changes in the economic environment.
- **Tactical Asset Allocation:** Tactical asset allocation is a strategy in which an investor takes a more active approach that tries to position a portfolio into those assets, sectors, or individual stocks that show the most potential for perceived gains. While an original asset mix is formulated much like strategic and dynamic portfolio, tactical strategies are often traded more actively and are free to move entirely in and out of their core asset classes
- **Core-Satellite Asset Allocation:** Core-Satellite allocation strategies generally contain a 'core' strategic element making up the most significant portion of the portfolio, while applying a dynamic or tactical 'satellite' strategy that makes up a smaller part of the portfolio. In this way, core-satellite allocation strategies are a hybrid of the strategic and dynamic/tactical allocation strategies mentioned above.

Debt Securities (Bonds): Issuers use debt securities to borrow money. Generally, issuers pay investors periodic interest and repay the amount borrowed either periodically during the life of the security and/or at maturity. Alternatively, investors can purchase other debt securities, such as zero coupon bonds, which do not pay current interest, but rather are priced at a discount from their face values and their values accrete over time to face value at maturity. The market prices of debt securities fluctuate depending on such factors as interest rates, credit quality, and maturity. In general, market prices of debt securities decline when interest rates rise and increase when interest rates fall. Bonds with longer rates of maturity tend to have greater interest rate risks.

Certain additional risk factors relating to debt securities include: (a) When interest rates are declining, investors have to reinvest their interest income and any return of principal, whether scheduled or unscheduled, at lower prevailing rates.; (b) Inflation causes tomorrow's dollar to be worth less than today's; in other words, it reduces the purchasing power of a bond investor's future

interest payments and principal, collectively known as “cash flows.” Inflation also leads to higher interest rates, which in turn leads to lower bond prices.; (c) Debt securities may be sensitive to economic changes, political and corporate developments, and interest rate changes. Investors can also expect periods of economic change and uncertainty, which can result in increased volatility of market prices and yields of certain debt securities. For example, prices of these securities can be affected by financial contracts held by the issuer or third parties (such as derivatives) relating to the security or other assets or indices. (d) Debt securities may contain redemption or call provisions entitling their issuers to redeem them at a specified price on a date prior to maturity. If an issuer exercises these provisions in a lower interest rate market, the account would have to replace the security with a lower yielding security, resulting in decreased income to investors. Usually, a bond is called at or close to par value. This subjects investors that paid a premium for their bond risk of lost principal. In reality, prices of callable bonds are unlikely to move much above the call price if lower interest rates make the bond likely to be called.; (e) If the issuer of a debt security defaults on its obligations to pay interest or principal or is the subject of bankruptcy proceedings, the account may incur losses or expenses in seeking recovery of amounts owed to it.; (f) There may be little trading in the secondary market for particular debt securities, which may affect adversely the account's ability to value accurately or dispose of such debt securities. Adverse publicity and investor perceptions, whether or not based on fundamental analysis, may decrease the value and/or liquidity of debt securities.

Our firm attempts to reduce the risks described above through diversification of the client's portfolio and by credit analysis of each issuer, as well as by monitoring broad economic trends and corporate and legislative developments, but there can be no assurance that our firm will be successful in doing so. Credit ratings for debt securities provided by rating agencies reflect an evaluation of the safety of principal and interest payments, not market value risk. The rating of an issuer is a rating agency's view of past and future potential developments related to the issuer and may not necessarily reflect actual outcomes. There can be a lag between the time of developments relating to an issuer and the time a rating is assigned and updated.

Exchange Traded Funds (“ETFs”): An ETF is a type of Investment Company (usually, an open-end fund or unit investment trust) whose primary objective is to achieve the same return as a particular market index. The vast majority of ETFs are designed to track an index, so their performance is close to that of an index mutual fund, but they are not exact duplicates. A tracking error, or the difference between the returns of a fund and the returns of the index, can arise due to differences in composition, management fees, expenses, and handling of dividends. ETFs benefit from continuous pricing; they can be bought and sold on a stock exchange throughout the trading day. Because ETFs trade like stocks, you can place orders just like with individual stocks - such as limit orders, good-until-canceled orders, stop loss orders etc. They can also be sold short. Traditional mutual funds are bought and redeemed based on their net asset values (“NAV”) at the end of the day. ETFs are bought and sold at the market prices on the exchanges, which resemble the underlying NAV but are independent of it. However, arbitrageurs will ensure that ETF prices are kept very close to the NAV of the underlying securities. Although an investor can buy as few as one share of an ETF, most buy in board lots. Anything bought in less than a board lot will increase the cost to the investor. Anyone can buy any ETF no matter where in the world it trades. This provides a benefit over mutual funds, which generally can only be bought in the country in which they are registered.

One of the main features of ETFs are their low annual fees, especially when compared to traditional mutual funds. The passive nature of index investing, reduced marketing, and distribution and accounting expenses all contribute to the lower fees. However, individual investors must pay a brokerage commission to purchase and sell ETF shares; for those investors who trade frequently,

this can significantly increase the cost of investing in ETFs. That said, with the advent of low-cost brokerage fees, small or frequent purchases of ETFs are becoming more cost efficient.

Equity Securities: Equity securities represent an ownership position in a company. Equity securities typically consist of common stocks. The prices of equity securities fluctuate based on, among other things, events specific to their issuers and market, economic and other conditions. For example, prices of these securities can be affected by financial contracts held by the issuer or third parties (such as derivatives) relating to the security or other assets or indices. There may be little trading in the secondary market for particular equity securities, which may adversely affect our firm's ability to value accurately or dispose of such equity securities. Adverse publicity and investor perceptions, whether or not based on fundamental analysis, may decrease the value and/or liquidity of equity securities. Investing in smaller companies may pose additional risks as it is often more difficult to value or dispose of small company stocks, more difficult to obtain information about smaller companies, and the prices of their stocks may be more volatile than stocks of larger, more established companies. Clients should have a long-term perspective and, for example, be able to tolerate potentially sharp declines in value.

Fixed Income: Fixed income is a type of investing or budgeting style for which real return rates or periodic income is received at regular intervals and at reasonably predictable levels. Fixed-income investors are typically retired individuals who rely on their investments to provide a regular, stable income stream. This demographic tends to invest heavily in fixed-income investments because of the reliable returns they offer. Fixed-income investors who live on set amounts of periodically paid income face the risk of inflation eroding their spending power.

Some examples of fixed-income investments include treasuries, money market instruments, corporate bonds, asset-backed securities, municipal bonds and international bonds. The primary risk associated with fixed-income investments is the borrower defaulting on his payment. Other considerations include exchange rate risk for international bonds and interest rate risk for longer-dated securities. The most common type of fixed-income security is a bond. Bonds are issued by federal governments, local municipalities and major corporations. Fixed-income securities are recommended for investors seeking a diverse portfolio; however, the percentage of the portfolio dedicated to fixed income depends on your own personal investment style. There is also an opportunity to diversify the fixed-income component of a portfolio. Riskier fixed-income products, such as junk bonds and longer-dated products, should comprise a lower percentage of your overall portfolio.

The interest payment on fixed-income securities is considered regular income and is determined based on the creditworthiness of the borrower and current market rates. In general, bonds and fixed-income securities with longer-dated maturities pay a higher rate, also referred to as the coupon rate, because they are considered riskier. The longer the security is on the market, the more time it has to lose its value and/or default. At the end of the bond term, or at bond maturity, the borrower returns the amount borrowed, also referred to as the principal or par value.

Individual Stocks: A common stock is a security that represents ownership in a corporation. Holders of common stock exercise control by electing a board of directors and voting on corporate policy. Investing in individual common stocks provides us with more control of what you are invested in and when that investment is made. Having the ability to decide when to buy or sell helps us time the taking of gains or losses. Common stocks, however, bear a greater amount of risk when compared to certificate of deposits, preferred stock and bonds. It is typically more difficult to achieve diversification when investing in individual common stocks. Additionally, common stockholders are

on the bottom of the priority ladder for ownership structure; if a company goes bankrupt, the common stockholders do not receive their money until the creditors and preferred shareholders have received their respective share of the leftover assets.

Long-Term Purchases: Our firm may buy securities for your account and hold them for a relatively long time (more than a year) in anticipation that the security's value will appreciate over a long horizon. The risk of this strategy is that our firm could miss out on potential short-term gains that could have been profitable to your account, or it's possible that the security's value may decline sharply before our firm make a decision to sell.

Margin Transactions: Our firm may purchase stocks, mutual funds, and/or other securities for your portfolio with money borrowed from your brokerage account. This allows you to purchase more stock than you would be able to with your available cash, and allows us to purchase stock without selling other holdings. Margin accounts and transactions are risky and not necessarily appropriate for every client. The potential risks associated with these transactions are (1) You can lose more funds than are deposited into the margin account; (2) the forced sale of securities or other assets in your account; (3) the sale of securities or other assets without contacting you; and (4) you may not be entitled to choose which securities or other assets in your account(s) are liquidated or sold to meet a margin call.

Mutual Funds: A mutual fund is a company that pools money from many investors and invests the money in a variety of differing security types based the objectives of the fund. The portfolio of the fund consists of the combined holdings it owns. Each share represents an investor's proportionate ownership of the fund's holdings and the income those holdings generate. The price that investors pay for mutual fund shares is the fund's per share net asset value ("NAV") plus any shareholder fees that the fund imposes at the time of purchase (such as sales loads). Investors typically cannot ascertain the exact make-up of a fund's portfolio at any given time, nor can they directly influence which securities the fund manager buys and sells or the timing of those trades. With an individual stock, investors can obtain real-time (or close to real-time) pricing information with relative ease by checking financial websites or by calling a broker or your investment adviser. Investors can also monitor how a stock's price changes from hour to hour—or even second to second. By contrast, with a mutual fund, the price at which an investor purchases or redeems shares will typically depend on the fund's NAV, which is calculated daily after market close.

The benefits of investing through mutual funds include: (a) Mutual funds are professionally managed by an investment adviser who researches, selects, and monitors the performance of the securities purchased by the fund; (b) Mutual funds typically have the benefit of diversification, which is an investing strategy that generally sums up as "Don't put all your eggs in one basket." Spreading investments across a wide range of companies and industry sectors can help lower the risk if a company or sector fails. Some investors find it easier to achieve diversification through ownership of mutual funds rather than through ownership of individual stocks or bonds.; (c) Some mutual funds accommodate investors who do not have a lot of money to invest by setting relatively low dollar amounts for initial purchases, subsequent monthly purchases, or both.; and (d) At any time, mutual fund investors can readily redeem their shares at the current NAV, less any fees and charges assessed on redemption.

Mutual funds also have features that some investors might view as disadvantages: (a) Investors must pay sales charges, annual fees, and other expenses regardless of how the fund performs. Depending on the timing of their investment, investors may also have to pay taxes on any capital gains distribution they receive. This includes instances where the fund went on to perform poorly after

purchasing shares.; (b) Investors typically cannot ascertain the exact make-up of a fund's portfolio at any given time, nor can they directly influence which securities the fund manager buys and sells or the timing of those trades.; and (c) With an individual stock, investors can obtain real-time (or close to real-time) pricing information with relative ease by checking financial websites or by calling a broker or your investment adviser. Investors can also monitor how a stock's price changes from hour to hour—or even second to second. By contrast, with a mutual fund, the price at which an investor purchases or redeems shares will typically depend on the fund's NAV, which the fund might not calculate until many hours after the investor placed the order. In general, mutual funds must calculate their NAV at least once every business day, typically after the major U.S. exchanges close.

When investors buy and hold an individual stock or bond, the investor must pay income tax each year on the dividends or interest the investor receives. However, the investor will not have to pay any capital gains tax until the investor actually sells and makes a profit. Mutual funds are different. When an investor buys and holds mutual fund shares, the investor will owe income tax on any ordinary dividends in the year the investor receives or reinvests them. Moreover, in addition to owing taxes on any personal capital gains when the investor sells shares, the investor may have to pay taxes each year on the fund's capital gains. That is because the law requires mutual funds to distribute capital gains to shareholders if they sell securities for a profit, and cannot use losses to offset these gains.

Options: An option is a financial derivative that represents a contract sold by one party (the option writer) to another party (the option holder). The contract offers the buyer the right, but not the obligation, to buy (call) or sell (put) a security or other financial asset at an agreed-upon price (the strike price) during a certain period of time or on a specific date (exercise date). Options are extremely versatile securities. Traders use options to speculate, which is a relatively risky practice, while hedgers use options to reduce the risk of holding an asset. In terms of speculation, option buyers and writers have conflicting views regarding the outlook on the performance of an

Call Option: Call options give the option to buy at certain price, so the buyer would want the stock to go up. Conversely, the option writer needs to provide the underlying shares in the event that the stock's market price exceeds the strike due to the contractual obligation. An option writer who sells a call option believes that the underlying stock's price will drop relative to the option's strike price during the life of the option, as that is how he will reap maximum profit. This is exactly the opposite outlook of the option buyer. The buyer believes that the underlying stock will rise; if this happens, the buyer will be able to acquire the stock for a lower price and then sell it for a profit. However, if the underlying stock does not close above the strike price on the expiration date, the option buyer would lose the premium paid for the call option.

Put Option: Put options give the option to sell at a certain price, so the buyer would want the stock to go down. The opposite is true for put option writers. For example, a put option buyer is bearish on the underlying stock and believes its market price will fall below the specified strike price on or before a specified date. On the other hand, an option writer who shorts a put option believes the underlying stock's price will increase about a specified price on or before the expiration date. If the underlying stock's price closes above the specified strike price on the expiration date, the put option writer's maximum profit is achieved. Conversely, a put option holder would only benefit from a fall in the underlying stock's price below the strike price. If the underlying stock's price falls below the strike price, the put option writer is obligated to purchase shares of the underlying stock at the strike price.

The potential risks associated with these transactions are that (1) all options expire. The closer the option gets to expiration, the quicker the premium in the option deteriorates; and (2) Prices can move

very quickly. Depending on factors such as time until expiration and the relationship of the stock price to the option's strike price, small movements in a stock can translate into big movements in the underlying options.

Short Sales: A short sale is a transaction in which an investor sells borrowed securities in anticipation of a price decline and is required to return an equal number of shares at some point in the future. These transactions have a number of risks that make it highly unsuitable for the novice investor. This strategy has a slanted payoff ratio in that the maximum gain (which would occur if the shorted stock was to plunge to zero) is limited, but the maximum loss is theoretically infinite (since stocks can in theory go up infinitely in price). The following risks should be considered: (1) In addition to trading commissions, other costs with short selling include that of borrowing the security to short it, as well as interest payable on the margin account that holds the shorted security. (2) The short seller is responsible for making dividend payments on the shorted stock to the entity from whom the stock has been borrowed. (3) Stocks with very high short interest may occasionally surge in price. This usually happens when there is a positive development in the stock, which forces short sellers to buy the shares back to close their short positions. Heavily shorted stocks are also susceptible to "buy-ins," which occur when a broker closes out short positions in a difficult-to-borrow stock whose lenders are demanding it back. (4) Regulators may impose bans on short sales in a specific sector or even in the broad market to avoid panic and unwarranted selling pressure. Such actions can cause a spike in stock prices, forcing the short seller to cover short positions at huge losses. (5) Unlike the "buy-and-hold" investor who can afford to wait for an investment to work out, the short seller does not have the luxury of time because of the many costs and risks associated with short selling. Timing is everything when it comes to shorting. (5) Short selling should only be undertaken by experienced traders who have the discipline to cut a losing short position, rather than add to it hoping that it will eventually work out.

Short-Term Purchases: When utilizing this strategy, our firm may also purchase securities with the idea of selling them within a relatively short time (typically a year or less). Our firm do this in an attempt to take advantage of conditions that our firm believe will soon result in a price swing in the securities our firm purchase. The potential risk associated with this investment strategy is associated with the currency or exchange rate. Currency or exchange rate risk is a form of risk that arises from the change in price of one currency against another. The constant fluctuations in the foreign currency in which an investment is denominated vis-à-vis one's home currency may add risk to the value of a security. Currency risk is greater for shorter term investments, which do not have time to level off like longer term foreign investments.

Trading: Our firm purchase securities with the idea of selling them very quickly (typically within 30 days or less). Our firm do this in an attempt to take advantage of our predictions of brief price swings. Trading involves risk that may not be suitable for every investor, and may involve a high volume of trading activity. Each trade generates a commission and the total daily commission on such a high volume of trading can be considerable. Active trading accounts should be considered speculative in nature with the objective being to generate short-term profits. This activity may result in the loss of more than 100% of an investment.

Risk of Loss

Investing in securities involves risk of loss that clients should be prepared to bear. While the stock market may increase and the account(s) could enjoy a gain, it is also possible that the stock market may decrease and the account(s) could suffer a loss. It is important that clients understand the risks

associated with investing in the stock market, are appropriately diversified in investments, and ask any questions.

Capital Risk: Capital risk is one of the most basic, fundamental risks of investing; it is the risk that you may lose 100% of your money. All investments carry some form of risk and the loss of capital is generally a risk for any investment instrument.

Company Risk: When investing in stock positions, there is always a certain level of company or industry specific risk that is inherent in each investment. This is also referred to as unsystematic risk and can be reduced through appropriate diversification. There is the risk that the company will perform poorly or have its value reduced based on factors specific to the company or its industry. For example, if a company's employees go on strike or the company receives unfavorable media attention for its actions, the value of the company may be reduced.

Credit Risk: Credit risk can be a factor in situations where an investment's performance relies on a borrower's repayment of borrowed funds. With credit risk, an investor can experience a loss or unfavorable performance if a borrower does not repay the borrowed funds as expected or required. Investment holdings that involve forms of indebtedness (i.e. borrowed funds) are subject to credit risk.

Currency Risk: Fluctuations in the value of the currency in which your investment is denominated may affect the value of your investment and thus, your investment may be worth more or less in the future. All currency is subject to swings in valuation and thus, regardless of the currency denomination of any particular investment you own, currency risk is a realistic risk measure. That said, currency risk is generally a much larger factor for investment instruments denominated in currencies other than the most widely used currencies (U.S. dollar, British pound, German mark, Euro, Japanese yen, French franc, etc.).

Economic Risk: The prevailing economic environment is important to the health of all businesses. Some companies, however, are more sensitive to changes in the domestic or global economy than others. These types of companies are often referred to as cyclical businesses. Countries in which a large portion of businesses are in cyclical industries are thus also very economically sensitive and carry a higher amount of economic risk. If an investment is issued by a party located in a country that experiences wide swings from an economic standpoint or in situations where certain elements of an investment instrument are hinged on dealings in such countries, the investment instrument will generally be subject to a higher level of economic risk.

Equity (Stock) Market Risk: Common stocks are susceptible to general stock market fluctuations and to volatile increases and decreases in value as market confidence in and perceptions of their issuers change. If you held common stock, or common stock equivalents, of any given issuer, you would generally be exposed to greater risk than if you held preferred stocks and debt obligations of the issuer.

ETF & Mutual Fund Risk: When investing in an ETF or mutual fund, you will bear additional expenses based on your pro rata share of the ETF's or mutual fund's operating expenses, including the potential duplication of management fees. The risk of owning an ETF or mutual fund generally reflects the risks of owning the underlying securities the ETF or mutual fund holds. Clients will also incur brokerage costs when purchasing ETFs.

Financial Risk: Financial risk is represented by internal disruptions within an investment or the issuer of an investment that can lead to unfavorable performance of the investment. Examples of financial risk can be found in cases like Enron or many of the dot com companies that were caught up in a period of extraordinary market valuations that were not based on solid financial footings of the companies.

Fixed Income Securities Risk: Typically, the values of fixed-income securities change inversely with prevailing interest rates. Therefore, a fundamental risk of fixed-income securities is interest rate risk, which is the risk that their value will generally decline as prevailing interest rates rise, which may cause your account value to likewise decrease, and vice versa. How specific fixed income securities may react to changes in interest rates will depend on the specific characteristics of each security. Fixed-income securities are also subject to credit risk, prepayment risk, valuation risk, and liquidity risk. Credit risk is the chance that a bond issuer will fail to pay interest and principal in a timely manner, or that negative perceptions of the issuer's ability to make such payments will cause the price of a bond to decline.

Inflation Risk: Inflation risk involves the concern that in the future, your investment or proceeds from your investment will not be worth what they are today. Throughout time, the prices of resources and end-user products generally increase and thus, the same general goods and products today will likely be more expensive in the future. The longer an investment is held, the greater the chance that the proceeds from that investment will be worth less in the future than what they are today. Said another way, a dollar tomorrow will likely get you less than what it can today.

Interest Rate Risk: Certain investments involve the payment of a fixed or variable rate of interest to the investment holder. Once an investor has acquired or has acquired the rights to an investment that pays a particular rate (fixed or variable) of interest, changes in overall interest rates in the market will affect the value of the interest-paying investment(s) they hold. In general, changes in prevailing interest rates in the market will have an inverse relationship to the value of existing, interest paying investments. In other words, as interest rates move up, the value of an instrument paying a particular rate (fixed or variable) of interest will go down. The reverse is generally true as well.

Legal/Regulatory Risk: Certain investments or the issuers of investments may be affected by changes in state or federal laws or in the prevailing regulatory framework under which the investment instrument or its issuer is regulated. Changes in the regulatory environment or tax laws can affect the performance of certain investments or issuers of those investments and thus, can have a negative impact on the overall performance of such investments.

Liquidity Risk: Certain assets may not be readily converted into cash or may have a very limited market in which they trade. Thus, you may experience the risk that your investment or assets within your investment may not be able to be liquidated quickly, thus, extending the period of time by which you may receive the proceeds from your investment. Liquidity risk can also result in unfavorable pricing when exiting (i.e. not being able to quickly get out of an investment before the price drops significantly) a particular investment and therefore, can have a negative impact on investment returns.

Manager Risk: There is always the possibility that poor security selection will cause your investments to underperform relative to benchmarks or other funds with a similar investment objective.

Market Risk: The value of your portfolio may decrease if the value of an individual company or multiple companies in the portfolio decreases or if our belief about a company's intrinsic worth is incorrect. Further, regardless of how well individual companies perform, the value of your portfolio could also decrease if there are deteriorating economic or market conditions. It is important to understand that the value of your investment may fall, sometimes sharply, in response to changes in the market, and you could lose money. Investment risks include price risk as may be observed by a drop in a security's price due to company specific events (e.g. earnings disappointment or downgrade in the rating of a bond) or general market risk (e.g. such as a "bear" market when stock values fall in general). For fixed-income securities, a period of rising interest rates could erode the value of a bond since bond values generally fall as bond yields go up. Past performance is not a guarantee of future returns.

Operational Risk: Operational risk can be experienced when an issuer of an investment product is unable to carry out the business it has planned to execute. Operational risk can be experienced as a result of human failure, operational inefficiencies, system failures, or the failure of other processes critical to the business operations of the issuer or counter party to the investment.

Options Risk: Options on securities may be subject to greater fluctuations in value than an investment in the underlying securities. Purchasing and writing put and call options are highly specialized activities and entail greater than ordinary investment risks.

Past Performance: Charting and technical analysis are often used interchangeably. Technical analysis generally attempts to forecast an investment's future potential by analyzing its past performance and other related statistics. In particular, technical analysis often times involves an evaluation of historical pricing and volume of a particular security for the purpose of forecasting where future price and volume figures may go. As with any investment analysis method, technical analysis runs the risk of not knowing the future and thus, investors should realize that even the most diligent and thorough technical analysis cannot predict or guarantee the future performance of any particular investment instrument or issuer thereof.

Description of Material, Significant or Unusual Risks

Our firm generally invests client cash balances in money market funds, FDIC Insured Certificates of Deposit, high-grade commercial paper and/or government backed debt instruments. Ultimately, our firm tries to achieve the highest return on client cash balances through relatively low-risk conservative investments. In most cases, at least a partial cash balance will be maintained in a money market account so that our firm may debit advisory fees for our services related to our Portfolio Management services, as applicable.

Item 9: Disciplinary Information

There are no legal or disciplinary events that are material to the evaluation of our advisory business or the integrity of our management.

Item 10: Other Financial Industry Activities & Affiliations

Representatives of our firm are Dually Registered Persons. LPL is a broker-dealer that is independently owned and operated and is not affiliated with our firm. Please refer to Item 12 for a discussion of the benefits our firm may receive from LPL and the conflicts of interest associated with receipt of such benefits.

Representatives of our firm are also insurance agents. Some, in their individual capacities may be registered with Perennial Financial & Insurance Services, LLC (License 0G76359) ("PFIS"). PFIS is owned by Christopher Nowakowski, John Petrick and Dane Streeter. As such, the owners and insurance agents may offer products and receive normal and customary commissions as a result of these transactions. A conflict of interest may arise as these commissionable securities sales may create an incentive to recommend products based on the compensation earned. Clients are under no obligation to utilize the offered services.

Furthermore, John Petrick may indirectly benefit from PIA recommending its client invest in funds distributed by M Fund Distributors and Quasar Distributors, through the relationship of Mr. Petrick's spouse as an internal sales consultant beginning October 1st, 2017. To mitigate this potential conflict of interest, PIA and its advisors, as fiduciaries, will act in the client's best interest. For more information, clients are encouraged to speak to their advisor or to Mr. Petrick, Senior Managing Director.

Please see Item 4 above for more information about the selection of LPL Sponsored Advisory Programs. The compensation paid to our firm for the use of LPL Sponsored Advisory Programs may vary, and thus, creates a conflict of interest in recommending a Program that shares a larger portion of the advisory fees over another Program. Prior to referring clients to an LPL Sponsored Advisory Programs, our firm will ensure that Programs are licensed or notice filed with the respective authorities. A potential conflict of interest in utilizing the LPL Sponsored Advisory Programs may be an incentive to us in selecting a particular Program over another in the form of fees or services. In order to minimize this conflict, our firm will make our recommendations/selections in the best interest of our clients.

Item 11: Code of Ethics, Participation or Interest in Client Transactions & Personal Trading

As a fiduciary, it is an investment adviser's responsibility to provide fair and full disclosure of all material facts and to act solely in the best interest of each of our clients at all times. Our fiduciary duty is the underlying principle for our firm's Code of Ethics, which includes procedures for personal securities transaction and insider trading. Our firm requires all representatives to conduct business with the highest level of ethical standards and to comply with all federal and state securities laws at all times. Upon employment with our firm, and at least annually thereafter, all representatives of our firm will

acknowledge receipt, understanding and compliance with our firm's Code of Ethics. Our firm and representatives must conduct business in an honest, ethical, and fair manner and avoid all circumstances that might negatively affect or appear to affect our duty of complete loyalty to all clients. This disclosure is provided to give all clients a summary of our Code of Ethics. If a client or a potential client wishes to review our Code of Ethics in its entirety, a copy will be provided promptly upon request.

Our firm recognizes that the personal investment transactions of our representatives demands the application of a Code of Ethics with high standards and requires that all such transactions be carried out in a way that does not endanger the interest of any client. At the same time, our firm also believes that if investment goals are similar for clients and for our representatives, it is logical, and even desirable, that there be common ownership of some securities.

In order to prevent conflicts of interest, our firm has established procedures for transactions effected by our representatives for their personal accounts¹. In order to monitor compliance with our personal trading policy, our firm has pre-clearance requirements and a quarterly securities transaction reporting system for all of our representatives.

Neither our firm nor a related person recommends, buys or sells for client accounts, securities in which our firm or a related person has a material financial interest without prior disclosure to the client.

Related persons of our firm may buy or sell securities and other investments that are also recommended to clients. In order to minimize this conflict of interest, our related persons will place client interests ahead of their own interests and adhere to our firm's Code of Ethics, a copy of which is available upon request.

Likewise, related persons of our firm buy or sell securities for themselves at or about the same time they buy or sell the same securities for client accounts. In order to minimize this conflict of interest, our related persons will place client interests ahead of their own interests and adhere to our firm's Code of Ethics, a copy of which is available upon request. Further, our related persons will refrain from buying or selling the same securities prior to buying or selling for our clients in the same day unless included in a block trade.

Item 12: Brokerage Practices

Selecting a Brokerage Firm

Our firm does not maintain custody of client assets. Client assets must be maintained by a qualified custodian. Our firm seeks to recommend a custodian who will hold client assets and execute transactions on terms that are overall most advantageous when compared to other available providers and their services. The factors considered, among others, are these:

- Timeliness of execution

¹ For purposes of the policy, our associate's personal account generally includes any account (a) in the name of our associate, his/her spouse, his/her minor children or other dependents residing in the same household, (b) for which our associate is a trustee or executor, or (c) which our associate controls, including our client accounts which our associate controls and/or a member of his/her household has a direct or indirect beneficial interest in.

- Timeliness and accuracy of trade confirmations
- Research services provided
- Ability to provide investment ideas
- Execution facilitation services provided
- Record keeping services provided
- Custody services provided
- Frequency and correction of trading errors
- Ability to access a variety of market venues
- Expertise as it relates to specific securities
- Financial condition
- Business reputation
- Quality of services

With this in consideration, our firm recommends that Clients establish accounts with LPL Financial (“LPL”), member FINRA/SIPC, to maintain custody of clients’ assets and to effect trades for their accounts. LPL provides brokerage and custodial services to independent investment advisory firms, including our firm. For accounts custodied at LPL, LPL is generally compensated by clients through commissions, trails, or other transaction-based fees for trades that are executed through LPL or that settle into LPL accounts. For IRA accounts, LPL generally charges account maintenance fees. In addition, LPL also charges clients miscellaneous fees and charges, such as account transfer fees.

While LPL does not participate in, or influence the formulation of, the investment advice our firm provides, certain supervised persons of our firm are Dually Registered Persons. Dually Registered Persons are restricted by certain Financial Industry Regulatory Authority (“FINRA”) rules and policies from maintaining accounts at another custodian or executing transactions in such accounts through any broker-dealer or custodian that is not approved by LPL. As a result, the use of other trading platforms must be approved by our firm and LPL.

Clients should also be aware that for accounts where LPL serves as the custodian, our firm is limited to offering services and investment vehicles that are approved by LPL, and may be prohibited from offering services and investment vehicles that may be available through other broker-dealers and custodians, some of which may be more suitable for a client’s portfolio than the services and investment vehicles offered through LPL. Clients should understand that not all investment advisers require that Clients custody their accounts and trade through specific broker-dealers.

LPL makes available to our firm various products and services designed to assist our firm in managing and administering client accounts. Many of these products and services may be used to service all or a substantial number of accounts, including accounts not held with LPL. These include software and other technology that provide access to client account data (such as trade confirmation and account statements); facilitate trade execution (and aggregation and allocation of trade orders for multiple client accounts); provide research, pricing information and other market data; facilitate payment of our firm’s fees from its clients’ accounts; and assist with back-office functions; recordkeeping and client reporting.

The products and services described above are provided to our firm as part of its overall relationship with LPL. While as a fiduciary, our firm endeavors to act in its clients’ best interests, the receipt of these benefits creates a conflict of interest because our firm’s requirement that Clients custody their assets at LPL is based in part on the benefit to our firm of the availability of the foregoing products and services and not solely on the nature, cost or quality of custody or brokerage services provided

by LPL. Our firm's receipt of some of these benefits may be based on the amount of advisory assets custodied on the LPL platform.

In connection with Perennial Financial Services' acquisition of a departing advisor's book of business and Mr. Petrick's association as a registered representative of LPL, Mr. Petrick has received a small business loan. The loan was provided on 5/31/18 in the amount of \$150,000 and will be paid over a five year period. The first loan payment will not be due until January 2019 and will not negatively impact the firm's financial condition. For more information, please see Mr. Petrick's Brochure Supplement.

Additionally, Bart Albrigo has a promissory note in place with an advisor for an acquisition of a book of business. The promissory note was provided on 10/2/18 in the amount of \$380,000 and will be paid over a six year period. The note will have no effect on the firm's financial condition. For more information, please see Mr. Albrigo's Brochure Supplement.

Our firm also has an arrangement with National Financial Services LLC and Fidelity Brokerage Services LLC (collectively, and together with all affiliates, "Fidelity") through which Fidelity provides our firm with "institutional platform services." Our firm is independently operated and owned and is not affiliated with Fidelity. The institutional platform services include, among others, brokerage, custody, and other related services. Fidelity's institutional platform services that assist us in managing and administering clients' accounts include software and other technology that (i) provide access to client account data (such as trade confirmations and account statements); (ii) facilitate trade execution and allocate aggregated trade orders for multiple client accounts; (iii) provide research, pricing and other market data; (iv) facilitate payment of fees from its clients' accounts; and (v) assist with back-office functions, recordkeeping and client reporting.

Client Brokerage Commissions

Neither LPL nor Fidelity make client brokerage commissions generated by client transactions available for our firm's use. Our firm does not direct client transactions to a particular broker-dealer in return for soft dollar benefits.

Brokerage for Client Referrals

Our firm does not receive brokerage for client referrals.

Directed Brokerage

Neither our firm nor any of our firm's representatives have discretionary authority in making the determination of the brokers-dealers and/or custodians with whom orders for the purchase or sale of securities are placed for execution, and the commission rates at which such securities transactions are effected. Our firm routinely recommends that clients direct us to execute through a specified broker-dealer. Our firm recommends the use of LPL or Fidelity. Each client will be required to establish their account(s) with LPL or Fidelity if not already done. Please note that not all advisers have this requirement.

Special Considerations for ERISA Clients

A retirement or ERISA plan client may direct all or part of portfolio transactions for its account through a specific broker or dealer in order to obtain goods or services on behalf of the plan. Such direction is permitted provided that the goods and services provided are reasonable expenses of the plan incurred in the ordinary course of its business for which it otherwise would be obligated and empowered to pay. ERISA prohibits directed brokerage arrangements when the goods or services purchased are not for the exclusive benefit of the plan. Consequently, our firm will request that plan sponsors who direct plan brokerage provide us with a letter documenting that this arrangement will be for the exclusive benefit of the plan.

Aggregation of Purchase or Sale

Our firm provides investment management services for various clients. There are occasions on which portfolio transactions may be executed as part of concurrent authorizations to purchase or sell the same security for numerous accounts served by our firm, which involve accounts with similar investment objectives. Although such concurrent authorizations potentially could be either advantageous or disadvantageous to any one or more particular accounts, they are affected only when our firm believes that to do so will be in the best interest of the effected accounts. When such concurrent authorizations occur, the objective is to allocate the executions in a manner which is deemed equitable to the accounts involved. In any given situation, our firm attempts to allocate trade executions in the most equitable manner possible, taking into consideration client objectives, current asset allocation and availability of funds using price averaging, proration and consistently non-arbitrary methods of allocation.

Item 13: Review of Accounts or Financial Plans

Our management personnel or financial advisors review accounts on at least an annual basis for our Portfolio Management and LPL Sponsored Advisory Program clients. The nature of these reviews is to learn whether client accounts are in line with their investment objectives, appropriately positioned based on market conditions, and investment policies, if applicable. Our firm does not provide written reports to clients, unless asked to do so. Verbal reports to clients take place on at least an annual basis when our Portfolio Management and LPL Sponsored Advisory Program clients are contacted. Our firm may review client accounts more frequently than described above. Among the factors which may trigger an off-cycle review are major market or economic events, the client's life events, requests by the client, etc.

Financial Planning clients do not receive reviews of their written plans unless they take action to schedule a financial consultation with us. Our firm does not provide ongoing services to financial planning clients, but are willing to meet with such clients upon their request to discuss updates to their plans, changes in their circumstances, etc. Financial Planning clients do not receive written or verbal updated reports regarding their financial plans unless they separately engage our firm for a post-financial plan meeting or update to their initial written financial plan.

Retirement Plan Consulting clients receive reviews of their retirement plans for the duration of the service. Our firm also provides ongoing services where clients are met with upon their request to discuss updates to their plans, changes in their circumstances, etc. Retirement Plan Consulting clients do not receive written or verbal updated reports regarding their plans unless they choose to engage our firm for ongoing services.

Item 14: Client Referrals & Other Compensation

LPL Financial, LLC

Our firm may receive from LPL or a mutual fund company, without cost and/or at a discount non-soft-dollar support services and/or products, to assist us to better monitor and service client accounts maintained at such institutions. Included within the support services our firm may receive investment-related research, pricing information and market data, software and other technology that provide access to client account data, compliance and/or practice management-related publications, discounted or gratis consulting services, discounted and/or gratis attendance at conferences, meetings, and other educational and/or social events, marketing support, computer hardware and/or software and/or other products used by us to assist us in our investment advisory business operations. Our clients do not pay more for investment transactions effected and/or assets maintained at LPL as result of this arrangement. There is no commitment made by us to LPL or any other institution as a result of the above arrangement.

Fidelity

Except for the arrangements outlined in Item 12 of Form ADV Part 2A, our firm has no additional arrangements to disclose.

Referral Fees

Our firm pays referral fees (non-commission based) to independent solicitors (non-registered representatives) for the referral of their clients to our firm in accordance with Rule 206 (4)-3 of the Investment Advisers Act of 1940. Such referral fee represents a share of our investment advisory fee charged to our clients. This arrangement will not result in higher costs to the referred client. In this regard, our firm maintains Solicitors Agreements in compliance with Rule 206 (4)-3 of the Investment Advisers Act of 1940 and applicable state and federal laws. All clients referred by Solicitors to our firm will be given full written disclosure describing the terms and fee arrangements between our firm and Solicitor(s). In cases where state law requires licensure of solicitors, our firm ensures that no solicitation fees are paid unless the solicitor is registered as an investment adviser representative of our firm. If our firm is paying solicitation fees to another registered investment adviser, the licensure of individuals is the other firm's responsibility.

Item 15: Custody

Our firm does not have custody of client funds or securities. All of our clients receive account statements directly from their qualified custodians at least quarterly upon opening of an account. If our firm decides to also send account statements to clients, such notice and account statements include a legend that recommends that the client compare the account statements received from the qualified custodian with those received from our firm. Clients are encouraged to raise any questions with us about the custody, safety or security of their assets and our custodial recommendations.

Item 16: Investment Discretion

Clients have the option of providing our firm with investment discretion on their behalf, pursuant to an executed investment advisory client agreement. By granting investment discretion, our firm is authorized to execute securities transactions, determine which securities are bought and sold, and the total amount to be bought and sold. Limitations may be imposed by the client in the form of specific constraints on any of these areas of discretion with our firm's written acknowledgement.

Item 17: Voting Client Securities

Our firm does not accept the proxy authority to vote client securities. Clients will receive proxies or other solicitations directly from their custodian or a transfer agent. In the event that proxies are sent to our firm, our firm will forward them to the appropriate client and ask the party who sent them to mail them directly to the client in the future. Clients may call, write or email us to discuss questions they may have about particular proxy votes or other solicitations.

Item 18: Financial Information

Our firm is not required to provide financial information in this Brochure because:

- Our firm does not require the prepayment of more than \$1,200 in fees when services cannot be rendered within 6 months.
- Our firm does not have a financial condition or commitment that impairs our ability to meet contractual and fiduciary obligations to clients.

Our firm has never been the subject of a bankruptcy proceeding.