

## Equity

Prepared for:  
**Model Client**

Prepared by:  
**Jose Sobrado**  
**MG Capital Partners**

**April 16, 2020**



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FOR USE IN A ONE-ON-ONE PRESENTATION WITH ADVISORY CLIENT ONLY

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## Contact Information



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## Investment Solution Overview

Time Horizon:

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Growth Target:

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Beginning Wealth:

**\$175,000**

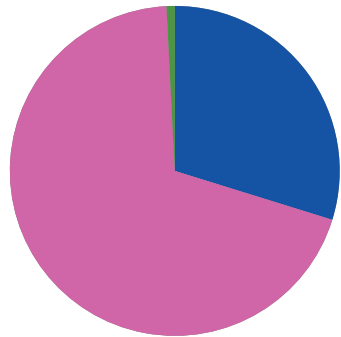
Investment Objective:

**Aggressive Growth**

Risk Assessment Method:

**Existing client (Advisor has documented client's risk tolerance)**

### Target Asset Allocation <sup>1</sup>



<b>Domestic Equity</b>	<b>\$ 52,136</b>	<b>29.8 %</b>
<b>International Equity</b>	<b>121,464</b>	<b>69.4</b>
<b>Fixed Income</b>	<b>1,400</b>	<b>0.8</b>

<b>Total</b>	<b>\$ 175,000</b>	<b>100.0 %</b>
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## Executive Summary

This profile developed for you serves as the foundation for a long-term investment strategy designed to suit your specific needs and goals.

The starting point is the analysis of these needs.

What are your basic investment objectives? What are your personal preferences with respect to risk-taking and potential return on your investments? What is your overall financial situation? How do all of these factors work together to create an overall investment strategy?

The answers to these fundamental questions provide the main building blocks for professionally managing your assets.

After analyzing your requirements and goals, an investment strategy is developed that is tailored to your specific situation.

proposal title:

Equity

Proposal Number : 755973 : 742498

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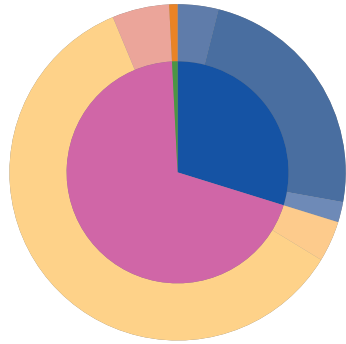
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## Target Asset Allocation <sup>1</sup>

Proposed Allocation



<b>Domestic Equity</b>	<b>\$ 52,136</b>	<b>29.8 %</b>
● Large-Cap Growth	<b>6,860</b>	<b>3.9</b>
● Large-Cap Core	<b>41,846</b>	<b>23.9</b>
● Large-Cap Value	<b>3,430</b>	<b>2.0</b>
<b>International Equity</b>	<b>121,464</b>	<b>69.4</b>
● Int'l Emerging Mkts	<b>6,860</b>	<b>3.9</b>
● Global Equity	<b>105,000</b>	<b>60.0</b>
● Foreign Large Cap Growth	<b>9,604</b>	<b>5.5</b>
<b>Fixed Income</b>	<b>1,400</b>	<b>0.8</b>
● Cash	<b>1,400</b>	<b>0.8</b>
<b>Total</b>	<b>\$ 175,000</b>	<b>100.0</b>

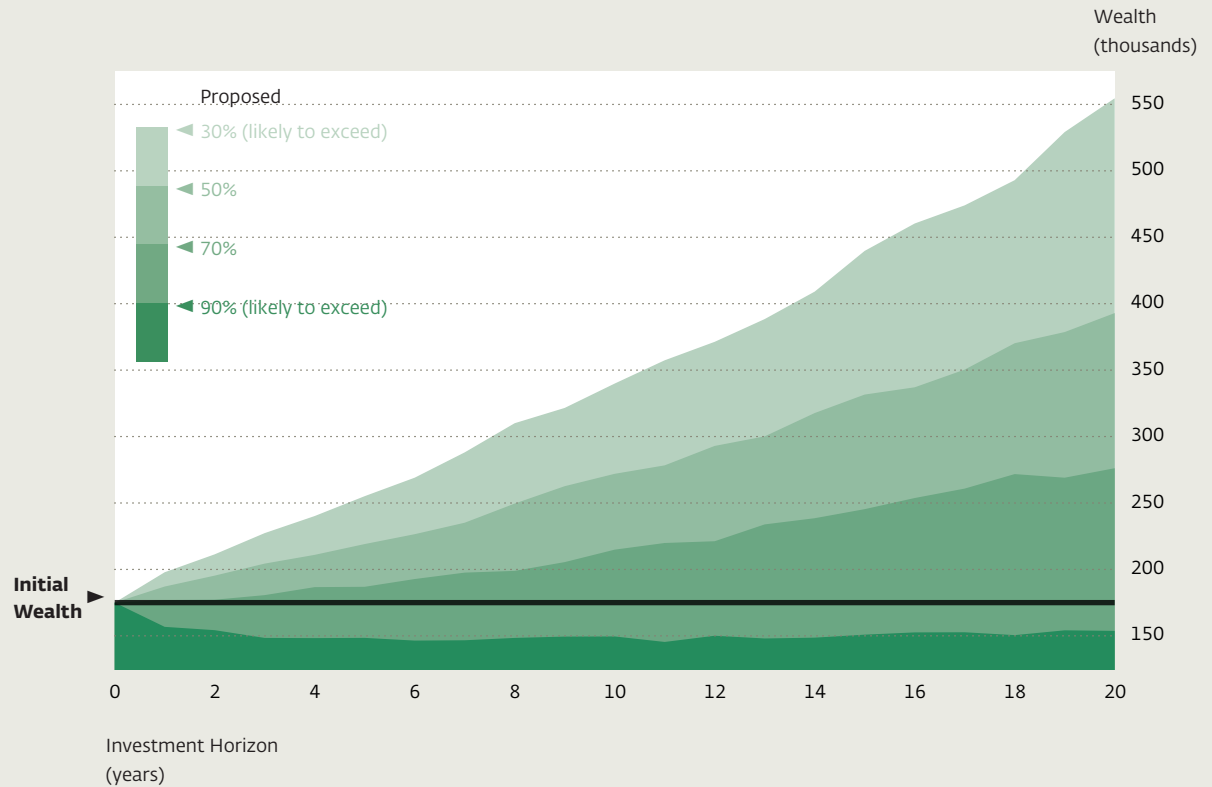
## Asset Allocation <sup>1</sup>

The weighting of the various asset categories in a portfolio can be one of the most important factors in the implementation of any investment strategy.

Spreading risk among asset classes and investment vehicles is a common tactic used to help reduce the overall risk of a portfolio, although a diversified asset allocation does not ensure investment gains or protect against losses.

*The asset mixes are based on historical risk characteristics of the benchmark indices for each separate asset class. The asset classifications are as of the date listed below and are subject to change at any time.*

## Monte Carlo Simulation <sup>2</sup>



		Year 5	Year 10	Year 15	Year 20
<b>Proposed</b>	<b>90</b>	<b>148,479</b>	<b>149,526</b>	<b>150,907</b>	<b>153,726</b>
	<b>70</b>	<b>186,899</b>	<b>214,874</b>	<b>245,352</b>	<b>276,154</b>
	<b>50</b>	<b>219,080</b>	<b>271,951</b>	<b>331,594</b>	<b>392,942</b>
	<b>30</b>	<b>255,136</b>	<b>339,885</b>	<b>439,736</b>	<b>554,584</b>

## Asset Allocation <sup>2</sup>

Monte Carlo simulation is a sophisticated analytical tool to depict a range of future portfolio outcomes to help investors make more informed investment decisions. Monte Carlo simulation charts the probability of meeting specific financial goals in the future and analyzes the probability of outcomes resulting from underlying assumptions regarding certain economic parameters.

The simulations are based on forward-looking capital markets assumptions for estimated returns, standard deviation, and correlations. The various percentiles shown represent the likelihood that the projected investment values will be reached or exceeded over the investment period. For example, if in 525 out of 750 scenarios the target wealth at the target investment period is exceeded, there is a 70% (525/750) simulation success ratio.

Correspondingly, there is a 30% failure rate that the projected investment value will fall somewhere below (perhaps significantly below) the target wealth at the target investment period.

*Past performance is not indicative of future results. The value of an investment will fluctuate over time and may be worth less than its original cost. Since past performance and market conditions may not be repeated in the future, investment goals may not be fulfilled by following the advice that is based on the projections of the Monte Carlo Simulation. Please see additional information on simulations in the Notes section. <sup>2</sup>*

## Investments

	Type	\$	%
<b>Global Equity</b>			
<b>Quantitative Portfolio: Factor-Enhanced Global V + M + Q</b>	SMA	105,000	60.0
Balanced Low Min Model 5: Equity			
<b>Asset Allocated</b>			
<b>BlackRock Equity Target Allocation ETF Portfolio.</b>	FSP	70,000	40.0
Balanced Low Min Model 5: Equity			

## Proposed Investment Solution

Based on the information gathered during the goal-setting phase and a thorough assessment of your needs, the following portfolio has been identified for consideration.

The proposed portfolio consists of both new investments and investments retained from your current portfolio. New holdings represent 100% of the proposed portfolio, and retained investments represent 0%.

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## Hypothetical Portfolio: Past Performance Analysis

The following charts in pages 8 through 11 show the hypothetical value of the combined performance returns ("Model Portfolio Returns") for each investment strategy or product included in this proposal for the time periods indicated. These Model Portfolio Returns do not reflect the actual investment results of any client portfolio, but represent the hypothetical performance of this proposal, which is calculated by weighting the performance of each investment strategy or product included in this proposal at the allocation percentages detailed in this proposal. The allocation percentage of each investment strategy or product included in this proposal is fixed for the time periods indicated for the Model Portfolio Returns.

The performance information for each of the investment strategies or products included in this proposal is located in the "Investment Data Sheets" located towards the end of this proposal.

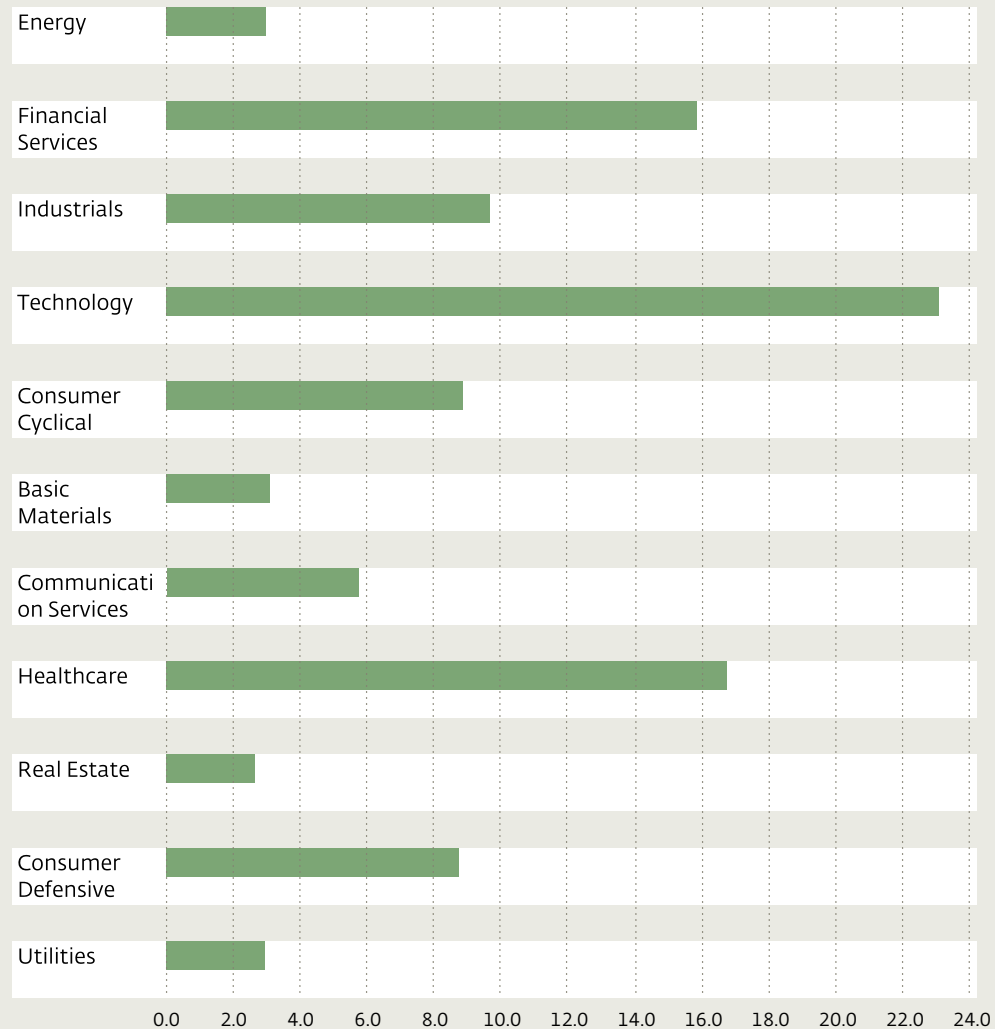
Model results have certain inherent limitations, particularly that such results do not represent actual trading and that they may not reflect the impact that material economic and market factors might have had on the asset manager's decision-making if the asset manager were actually managing clients' money. Performance results for clients invested pursuant to this proposal will vary due to market conditions and other factors, including cash flows, fund allocations, frequency and precision of rebalancing, cash balances, varying custodial fees, and the timing of fee deductions. As a result, actual performance for client accounts may differ materially from, and may be lower than, that of a model portfolio.

The performance results of the underlying investment strategies or products in the Model Portfolio Returns assume the reinvestment of dividends and other earnings. Model Portfolio Returns represent past performance and are not indicative of any specific investment. The model portfolio's current performance may be lower or higher than the performance data quoted as it represents past performance. An investment pursuant to this portfolio is subject to market risk and an investor may experience loss of principal. The information is based on data received from the investment strategy manager and/or other sources, such as reporting service providers, but has not been independently verified.

The Model Portfolio Returns are compared to a selected benchmark, indicated in each chart. The reported benchmarks are not intended as direct comparisons to the performance of the portfolio. Instead, they are intended to represent the performance of certain sectors of the overall securities market (e.g. equities, bonds, etc), so that an investor may compare the effects of material market or economic conditions on the results portrayed (e.g. the Model Portfolio Returns may show a 5% investment appreciation, but those sectors of the overall securities market appreciated 7% over the same time period). Respectively, the volatility and performance of the reported benchmark may be greater than or less than the volatility and performance of the investment portfolio.

## Equity Sector Analysis <sup>3</sup>

Proposed



## Holdings Analysis <sup>3</sup>

This page shows the equity portion broken out by sector.

A sector is a segment of the economy that includes companies providing the same types of products or services. Companies within a sector tend to have fundamentals that are very similar to one another yet differ substantially from companies in other sectors.

The weighting of investments in your portfolio across the sectors can help explain overall portfolio performance as markets move over time.

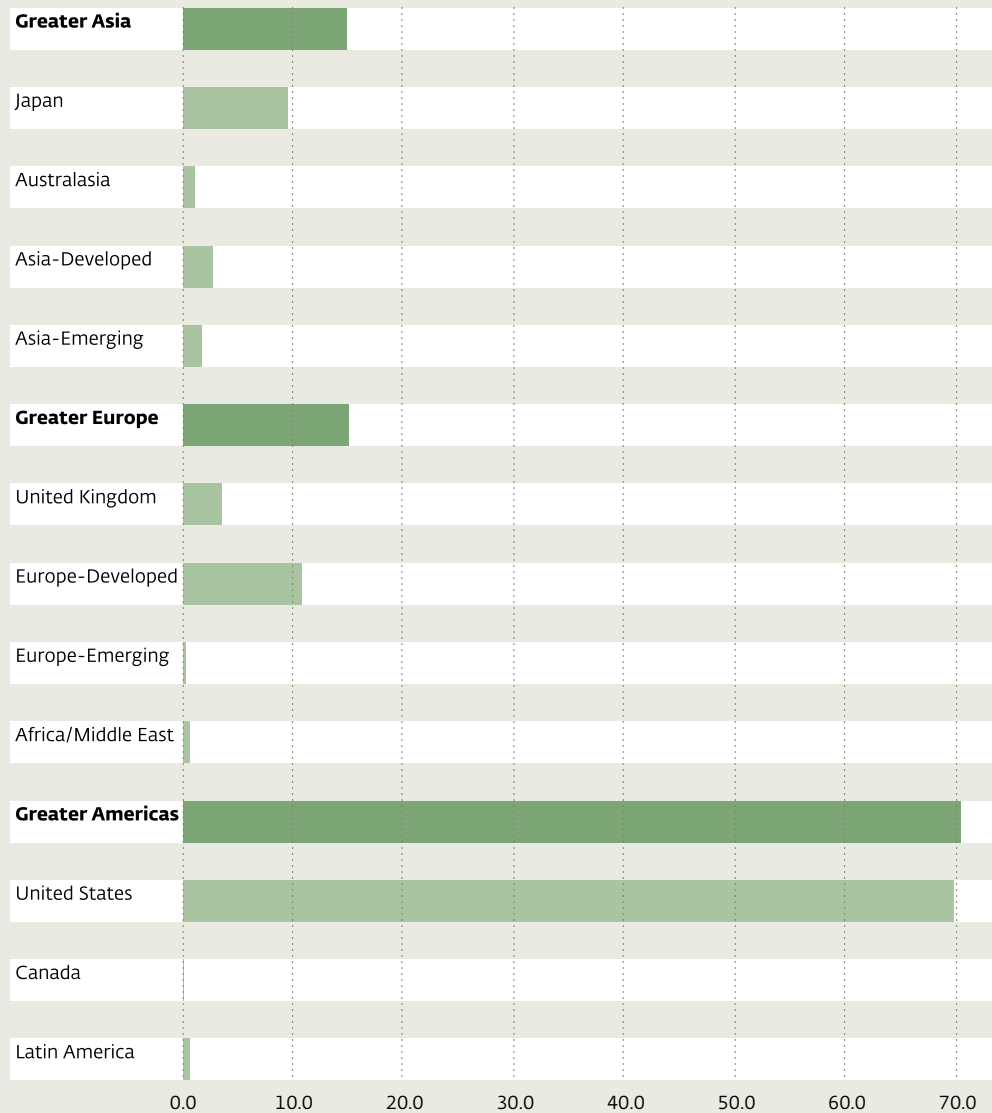
*Certain charts illustrate areas in which the portfolio may invest and may not be representative of current or future holdings. Diversification does not ensure a profit or protect against losses.*

*Holdings analysis is based on the composite holdings of the proposed investment and data received from third party data sources, as of the most recent date provided to Envestnet.*



## Equity Geographic Region Analysis <sup>3</sup>

Proposed



## Holdings Analysis <sup>3</sup>

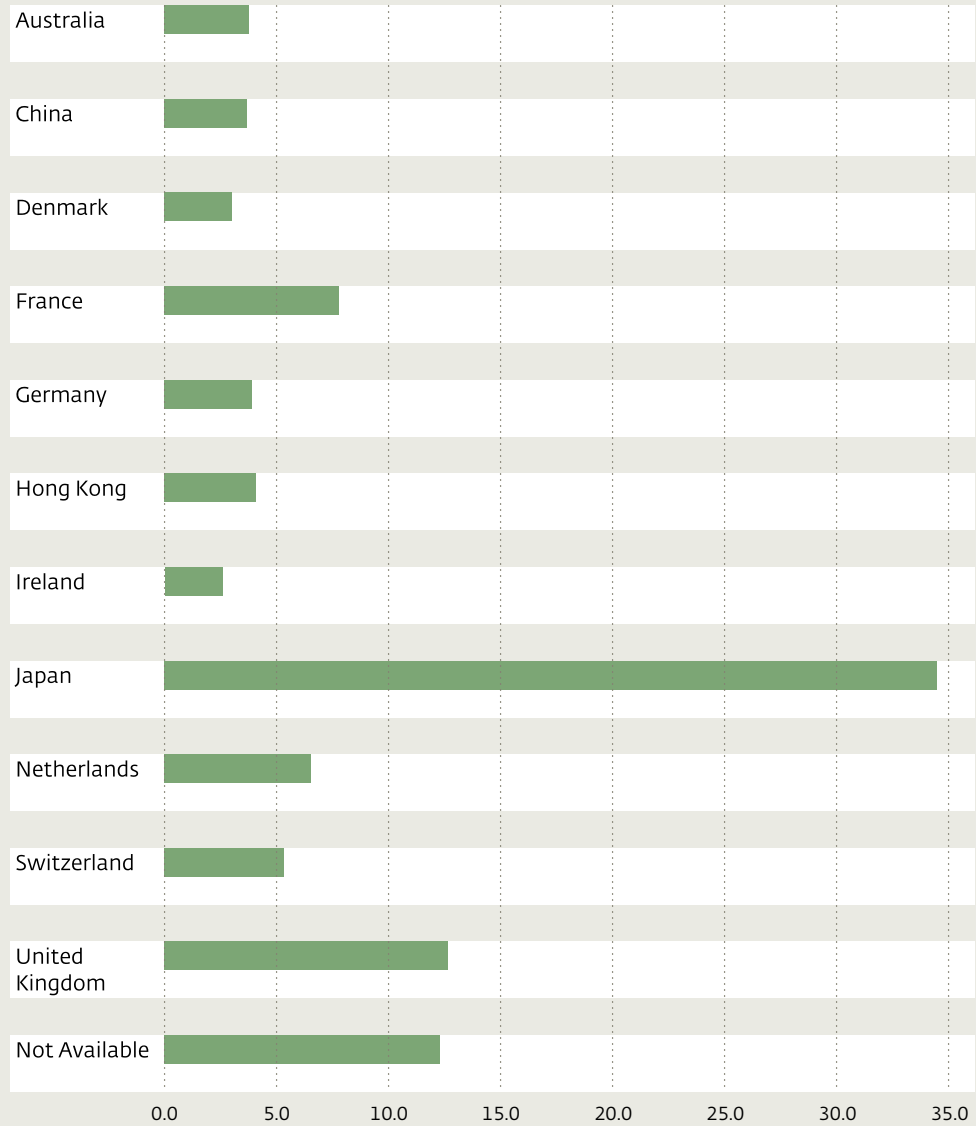
The groups of countries within a world region often have similarities such as political ideologies, natural resources, and economic strengths and weaknesses. Investment in a diverse set of regions can help mitigate risks associated with each individual region. This chart shows the diversification of your proposed portfolio across the world's major geographic regions.

*Certain charts illustrate areas in which the portfolio may invest and may not be representative of current or future holdings. Diversification does not ensure a profit or protect against losses.*

*Holdings analysis is based on the composite holdings of the proposed investment and data received from third party data sources, as of the most recent date provided to Envestnet.*

### Equity Geographic Country Analysis <sup>3</sup>

Proposed



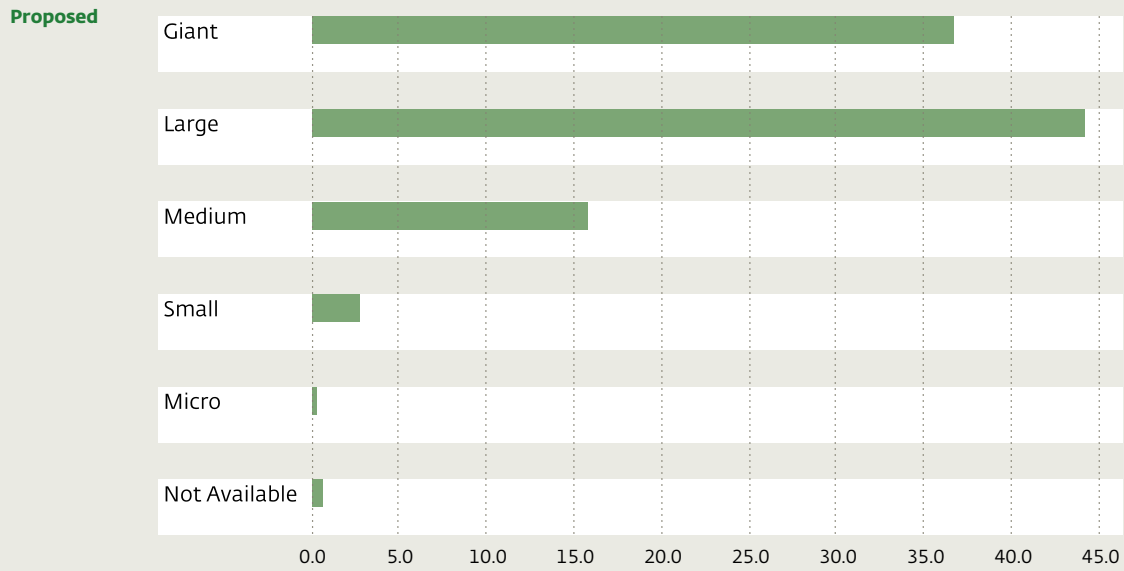
### Holdings Analysis <sup>3</sup>

This chart shows the diversification of your proposed portfolio across various non-U.S. countries of the world. Investment in a diverse set of foreign countries can help mitigate risks associated with various social and political systems across the world.

*Certain charts illustrate areas in which the portfolio may invest and may not be representative of current or future holdings. Diversification does not ensure a profit or protect against losses.*

*Holdings analysis is based on the composite holdings of the proposed investment and data received from third party data sources, as of the most recent date provided to Envestnet.*

## Equity Capitalization Analysis <sup>3</sup>



## Holdings Analysis <sup>3</sup>

The market capitalization of a publicly-traded company is the total value of its outstanding shares. Investment in larger, more established companies tend to be less risky but also offer less growth opportunity than investments made in smaller, younger companies.

This chart shows the diversification of your proposed portfolio across the different market cap tiers.

Tier definitions - Percent of stocks by capitalization within global market zones: <sup>4</sup>

- Giant: Top 40%
- Large: Next 30%
- Medium: Next 20%
- Small: Next 7%
- Micro: Smallest 3%

*Certain charts illustrate areas in which the portfolio may invest and may not be representative of current or future holdings. Diversification does not ensure a profit or protect against losses.*

*Holdings analysis is based on the composite holdings of the proposed investment and data received from third party data sources, as of the most recent date provided to Envestnet.*

## Investment Holdings Performance

	Incp. Date	Latest Qtr	1 Year	3 Year	5 Year	10 Year	ITD
<b>BlackRock Equity Target Allocation ETF Portfolio.</b>	Oct 1, 2014	-20.19	-9.42	2.38	3.84	n/a	4.18 %
Portfolio: Balanced Low Min Model 5: Equity Benchmark: BlackRock Strategic Model Portfolio 100/0	Jan 1, 2018	-20.89	-10.19	2.12	2.59	5.01	2.80
<b>Quantitative Portfolio: Factor-Enhanced Global V + M + Q</b>	Jan 1, 2018	-22.45	-11.41	n/a	n/a	n/a	-4.42
Portfolio: Balanced Low Min Model 5: Equity Benchmark: Quantitative Portfolio: Factor-Enhanced Global V+M+Q	Jan 1, 2018	-21.25	-10.22	2.49	4.00	7.95	-2.89
<b>Total</b>		<b>-21.54%</b>	<b>-10.61</b>	<b>n/a</b>	<b>n/a</b>	<b>n/a</b>	<b>-3.78</b>

The performance quoted represents past performance. Past performance is not indicative of future results. Performance data quoted represents past performance. Investment return and principal value of an investment will fluctuate thus an investor's shares, when redeemed, may be worth more or less than their original cost. <sup>6</sup>

## Holdings Analysis

This chart lists the individual investments in your proposed portfolio and the annualized total returns of those investments.

The figures presented in the charts displayed are as of 03/31/20 and may change at any time.

Total returns do not reflect the fund's sales charge. If sales charges were included, total returns would have been lower. Other fees and expenses applicable to continued investment are described in the fund's prospectus.

Performance is shown gross of fees, except for the internal expenses of any investment products and does not reflect the effect of income taxes on the investment returns. Actual performance results will be reduced by fees including, but not limited to, investment management fees and other costs such as custodial, reporting, evaluation and advisory services.

Performance reflects the reinvestment of dividends, income and capital appreciation. For more information on fees, see the Notes section. <sup>5</sup>

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## Investment Data Sheets

## Quantitative Portfolio: Factor-Enhanced Global V + M + Q

### Product Description

Quantitative Portfolios (QPs) are solutions providing exposures to the primary drivers of return and excess return identified over decades of financial research. These include exposures to the market, as well as to the well-known value, momentum and quality asset pricing factors. The (V + M + Q) suffix in the portfolio name refer to the value, momentum and quality factors being captured in this series.

In general, QPs provide investors with several primary attributes, including: (1) cost-efficient exposure to certain investment factors; (2) the opportunity to capture "tax management alpha";

and (3) the ability to customize the portfolio.

The Factor-Enhanced Series of QPs is constructed using a systematic process that balances enhanced exposures to the asset pricing factors; a desired tracking error to the underlying index; a target investment minimum; liquidity requirements; and a limited number of holdings. Once the specifications are established, the portfolios are built quantitatively using a risk factor model. For the Factor-Enhanced Global: V + M + Q portfolio, the securities meeting the above specifications constitute the portfolio. The portfolio is periodically rebalanced according to the same objective and

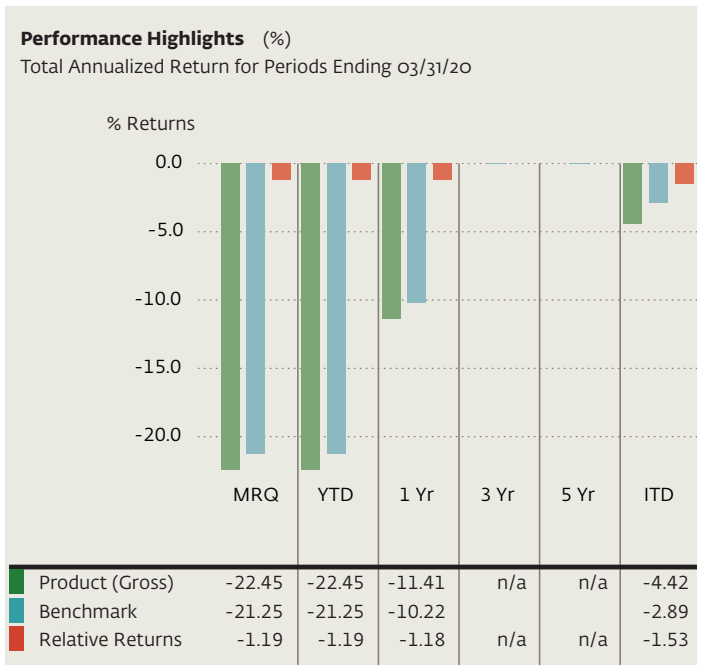
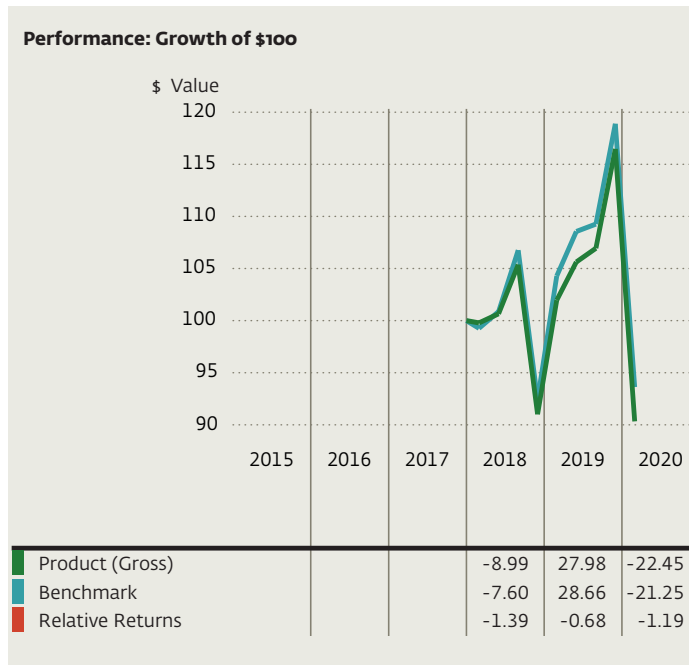
systematic approach.

Investnet|PMC's Quantitative Research Group (QRG) carefully monitors the exposures and characteristics of the portfolio to ensure conformance with the investment mandate. Since QPs are quantitatively constructed to enhance overall exposures to the asset pricing factors, active stock selection based on qualitative analysis is not part of the process.

The hypothetical performance displayed for the Factor-Enhanced portfolios is the performance data of the strategy generated by applying the

Continued on Page 16

Quantitative Portfolio: Factor-Enhanced Global V + M + Q charts display hypothetical performance data of a back-tested return. Backtested performance represents hypothetical performance based upon the retroactive application of a strategy over a select market period, and is derived from the application of a model that was developed with <sup>1</sup>



Risk-Return Statistics <sup>2</sup>	Product		Bench
	3 Yr	5 Yr	5 Yr
Std. Deviation (%)	n/a	n/a	15.44
Sharpe Ratio	n/a	n/a	0.19
Alpha (%)	n/a	n/a	--
Information Ratio	n/a	n/a	--
Up Capture (%)	n/a	n/a	--
Down Capture (%)	n/a	n/a	--
Total Return (%)	Product		Bench
Best Qtr(01/19-03/19)	12.04		12.86
Worst Qtr(01/20-03/20)	-22.45		-21.25
Best Year (2019)	27.98		28.66
Worst Year (2018)	-8.99		-7.60

Risk Statistics <sup>2</sup>		
	3 Yr	5 Yr
Active Return (%)	n/a	n/a
Batting Average (%)	n/a	n/a
Beta	n/a	n/a
Tracking Error	n/a	n/a
R Squared	n/a	n/a

### Quick Facts ( as of Mar 31, 2020)

Style Classification :	Global Equity
Benchmark :	Blend <sup>3</sup>
Product AUM(MM) :	n/a
Portfolio Inception :	n/a
Current # Holdings :	250
Avg. Annual Turnover :	100%

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## Quantitative Portfolio: Factor-Enhanced Global V + M + Q

*The performance quoted represents past performance. Past performance is not indicative of future results. Performance and performance related statistics presented are as of Mar 31, 2020.* <sup>4</sup>

*The value of an investment and the return on invested capital will fluctuate over time and, when sold or redeemed, may be worth less than its original cost.*

*Performance is shown gross of fees, except for the internal expenses of any investment products and does not reflect the effect of income taxes on the investment returns. Actual performance results will be reduced by fees including, but not limited to, investment management fees and other costs such as custodial, reporting, evaluation and advisory services. Performance reflects the reinvestment of dividends, income and capital appreciation. For more information on fees, see the Notes section.* <sup>5</sup>

*Benchmark indices reflect the reinvestment of dividends and income and not deductions for fees, expenses or taxes. Indices are unmanaged and not available for direct investment.* <sup>6</sup>

*Performance shown is the model portfolio's historical performance as compared to a relevant benchmark. Model results have certain inherent limitations, particularly that such results do not represent actual trading and that they may not reflect the impact that material economic and market factors might have had on the asset manager's decision-making if the asset manager were actually managing clients' money.* <sup>7</sup>

## Quantitative Portfolio: Factor-Enhanced Global V + M + Q, Continued

### Continued from Page 14

systematic portfolio construction methodology historically. Because the portfolios are objectively and quantitatively constructed and rebalanced at pre-specified intervals, and do not incorporate subjective decisions based on then-prevailing conditions, the results are a presentation of the potential performance of the strategy.

### Firm Overview

Envestnet | Portfolio Management Consultants (PMC) is the portfolio consulting group of Envestnet Asset Management, Inc. and is the manager of a set of discretionary investment products.

Portfolio Characteristics <sup>8</sup>		Equity Sector Distribution			World Regions <sup>8</sup>	
( Actual investor holdings will vary )		0.0 %	20.0	40.0		Portfolio %
Average Market Cap (MM)	136,817	Energy	3.1		<b>Greater Asia</b>	<b>15.03</b>
Median Market Cap (MM)	23,486	Fin. Services	17.2		Japan	12.34
Adjusted Price/Earnings Ratio	19.06	Industrials	9.9		Australasia	0.87
Price/Book Ratio	10.91	Technology	23.4		Asia-Developed	1.83
Return On Equity (1yr)	n/a	Cons. Cyclical	8.8		Asia-Emerging	0.00
EPS Growth-Past 5 yrs	13.37%	Bas...	3.3		<b>Greater Europe</b>	<b>15.98</b>
Debt to Total Capital	n/a	Comm. Svcs.	3.9		United Kingdom	3.50
Current Yield (%)	2.46 <sup>9</sup>	Healthcare	16.2		Europe-Developed	12.08
		Real Estate	2.3		Europe-Emerging	0.00
		Cons. Defense	8.9		Africa/Middle East	0.39
		Utilities	2.9		<b>Greater Americas</b>	<b>68.99</b>
					United States	68.77
					Canada	0.00
					Latin America	0.22

Top Ten Holdings	
Security	%
Apple Inc	4.82
Mastercard Inc A	1.54
Visa Inc Class A	1.48
Danaher Corp	1.32
Jack Henry & Associates Inc	1.30
Abbott Laboratories	1.30
Intel Corp	1.28
Verizon Communications Inc	1.22
UnitedHealth Group Inc	1.18
Cisco Systems Inc	1.17

The data presented is based on a snapshot of the holdings in the portfolio as of Apr 15, 2020 and may change at any time. Other data is calculated based on the reported holdings and data received from third party data sources, as of the most recent date provided to Envestnet. The information is believed to be accurate, however Envestnet cannot guarantee the accuracy, completeness, or timeliness of the data as it has not been independently verified. Specific securities identified and described do not represent all of the securities purchased, sold or recommended for advisory clients, and may not reflect any restriction a client may have placed on a portfolio. The portfolio holdings may vary depending on strategy employed by the investment manager. Holdings information should not be considered a recommendation to buy or sell a particular security. It should not be assumed that any investments in securities identified and described were or will be profitable, and diversification does not ensure a profit or protect against loss.



## Quantitative Portfolio: Factor-Enhanced Global V + M + Q, Continued

The hypothetical return displayed for the Factor-Enhanced Quantitative Portfolio uses the performance data of a back-tested return. Back-tested performance represents hypothetical performance based upon the retroactive application of a strategy over a select market period, and is derived from the application of a model that was developed with the benefit of hindsight, in that the performance is being presented after the fact and the allocations and investment strategies could be constructed to provide the best performance possible. The back-tested returns do not represent actual trading and may not include all material economic and market factors that may have impacted the decision making process at the time the strategy was developed, and does not reflect decision making had actual client assets been invested. The actual performance of an actively managed account will not mirror the back-tested returns, in part due to timing of implementation, and may materially differ. The returns shown are for illustrative purposes only and are not indicative of future returns for this investment. The back-tested returns should not be relied on for investment decision making and back-tested returns should only be presented to sophisticated clients. These returns should not be considered as indicative of the skills of Envestnet. Investments in the proposed strategy involve risk including the loss of principal. The management of the portfolio may be materially different than the model used to present the hypothetical back-tested performance. These differences include different cash flows, expenses, performance calculation methods, size and composition strategy constraints, and other factors. Certain of the assumptions used to calculate the performance presented have been made for modeling purposes and are unlikely to be realized. No representation or warranty is made as to the reasonableness of the assumptions made or that all assumptions used in achieving the hypothetical returns have been stated or fully considered. Changes in the assumptions and changes in the current composition of the portfolio may have a material impact on the hypothetical returns presented. Back-tested returns are calculated by obtaining the weighted monthly returns of the strategy component holdings from the prior month-end to the current month-end. These weighted returns are then added to the prior month's return history and annualized. The performance results of the underlying holdings in the model portfolio assume the reinvestment of dividends and other earnings. The holdings comprising the strategies and the allocations to those holdings have changed over time and may change in the future. Actual investment advisory fees of Envestnet Asset Management, Inc. are described in Part 2A or, Part 2A - Appendix 1 of Form ADV, as applicable.

<sup>1</sup> Quantitative Portfolio: Factor-Enhanced Global V + M + Q charts display hypothetical performance data of a back-tested return. Backtested performance represents hypothetical performance based upon the retroactive application of a strategy over a select market period, and is derived from the application of a model that was developed with the benefit of hindsight. The backtested returns do not represent actual trading and may not include all material economic and market factors that may have impacted the decision making process at the time the strategy was developed, and does not reflect decision making had actual client assets been invested.

<sup>2</sup> **Alpha** - A measure of a stock's risk-adjusted performance, considering the risk due to the specific stock, rather than the overall market. Alpha can be thought of as how the stock performed if the market has had no gain or loss. A large alpha indicates that the stock or mutual fund has performed better than would be predicted given its beta (volatility). **Beta** - A measure of a manager's performance relative to the market (benchmark index). A manager with a beta coefficient of 1.00 has experienced up and down movements of roughly the same magnitude as the market. Higher betas are associated with higher risk levels, while lower betas are associated with lower risk levels. **Capture Ratio** - Up(Down) Capture Ratio is a measure of managers' performance in up(down) markets relative to the market itself. An up market is one in which the market's quarterly return is greater than or equal to zero. The higher the manager's up-market capture ratio, the better the manager capitalized on a rising market. For example, a value of 1.10 suggests that the manager captured 110% of the market gain (performed ten percent better than the market) when the market was up. A down-market capture ratio of 0.90 suggests that the manager captured only 90% of the market loss when the market was down. **R-squared** - A measure of how much of a portfolio's performance can be explained by the returns from the overall market (or a benchmark index). If a portfolio's total return precisely matched that of the overall market or benchmark, its R-squared would be 100.00. If a portfolio's return bore no relationship to the market's returns, its R-squared would be 0. **Sharpe Ratio** - A measure of risk-adjusted return. To calculate a Sharpe ratio, an asset's excess returns (its return in excess of the return generated by risk-free assets such as Treasury bills) is divided by the asset's standard deviation. **Standard Deviation** - A gauge used to measure risk, or volatility. It is a number indicating the variability of a set of numerical values about their arithmetic average. For example, a \$1 million portfolio with a quarterly standard deviation of 5% will fluctuate \$50,000 (5% of \$1 million) or less per quarter two-thirds of the time. The lower the manager's standard deviation, the more stable the portfolio's performance. High standard deviation suggests a portfolio with more fluctuation and volatility.

<sup>3</sup> Blend represents a benchmark composed of 69% Russell 1000 TR, 31% BNYM Dev Mkt Classic ADR Ind

<sup>4</sup> Note: **Performance Inception** Jan 1, 2018

Performance returns & statistics are calculated using quarterly returns data as of date noted and is the most recent data made available by the asset manager. Unless otherwise noted, portfolio performance returns are provided by a third-party data provider or the asset manager directly.

<sup>5</sup> Actual fees will vary depending on, among other things, the applicable fee schedule, the time period, investment performance and account size. For example, if \$100,000 were invested and experienced a 10% annual return compounded monthly for 10 years, its ending value, without giving effect to the deduction of advisory fees, would be \$270,704 with annualized compounded return of 10.47%. If an advisory fee of 0.95% of the average market value of the account were deducted monthly for the 10-year period, the annualized compounded return would be 9.43% and the ending dollar value would be \$246,355. For a description of all fees, costs and expenses, please refer to your financial advisor's Disclosure Brochure. Past performance is not indicative of future results.

<sup>6</sup> Reported benchmarks are not intended as direct comparisons to the performance of the portfolio. Instead, they are intended to represent the performance of certain sectors of the overall securities market (e.g. equities, bonds, etc.). Respectively, the volatility and performance of the reported benchmark may be greater than or less than the volatility and performance of the investment portfolio.

<sup>7</sup> Model Strategy returns are calculated by obtaining the weighted monthly returns of the strategy component holdings from the prior month-end to the current month-end. These weighted returns are then added to the prior month's return history and annualized. Performance is calculated based upon the historical asset allocations at the beginning of each month during the periods shown, which may differ from the current allocation. The holdings comprising the strategies and the allocations to those holdings have changed over time and may change in the future. The historical model performance has not been adjusted to reflect current fund allocations. The performance results of the underlying holdings in the model portfolio assume the reinvestment of dividends and other earnings. Model returns represent past performance and are not indicative of any specific investment. The model portfolio's current performance may be lower or higher than the performance data quoted as it represents past performance. An investment pursuant to this model portfolio is subject to market risk and an investor may experience loss of principal. The information is based on data received from the investment strategy manager and/or other sources, such as reporting service providers, but has not been independently verified.

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## Quantitative Portfolio: Factor-Enhanced Global V + M + Q, Continued

<sup>9</sup> Yield is an indication of the current estimated dividends and interest vs. the current market value of the holdings. The yield represents the current amount of income that is being generated from the portfolio without liquidating the principal or capital gains on the portfolio. However, the yield will fluctuate daily and current or past performance is not a guarantee of future results

*For Use in a One-On-One Presentation to Advisory Client Only*

## BlackRock Equity Target Allocation ETF Portfolio.

### Product Description

BlackRock Target Allocation Managed Portfolios enable advisors to build asset class allocations in a flexible and cost-effective way. BlackRock's strategies can help clients pursue their investing goals, while managing overall risk. The Equity Model targets a 100% allocation to equity, based on the investment team's conviction on which asset classes are expected to deliver the best risk-adjusted return. Targeted exposures are tactically reallocated 4-5 times per year to capture market opportunities.

### Firm Overview

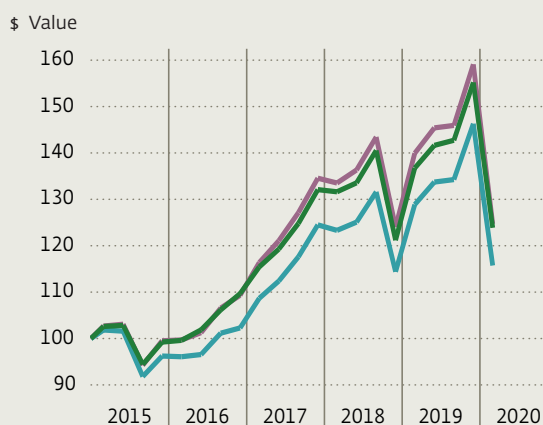
BlackRock Investment Management, LLC

("BlackRock") provides diversified investment management to institutional clients, intermediary and individual investors through various investment vehicles. Investment management services primarily consist of the management of equity, fixed income, multi-asset class, alternative investment and cash management products. BlackRock offers its investment products in a variety of vehicles, including openend and closed-end mutual funds, iShares® exchange traded funds ("ETFs"), collective investment trusts and separate accounts. In addition, BlackRock provides market risk management, financial markets advisory and enterprise investment system services to a broad

base of clients. Financial markets advisory services include valuation services relating to illiquid securities, dispositions and workout assignments (including long-term portfolio liquidation assignments), risk management and strategic planning and execution. BlackRock's breadth of capabilities enables outcome-based solutions tailored to individual client objectives.

The benchmark was changed due to an error in the original benchmark assignment. All performance and analytics shown have been recalculated retroactively with the corrected benchmark.

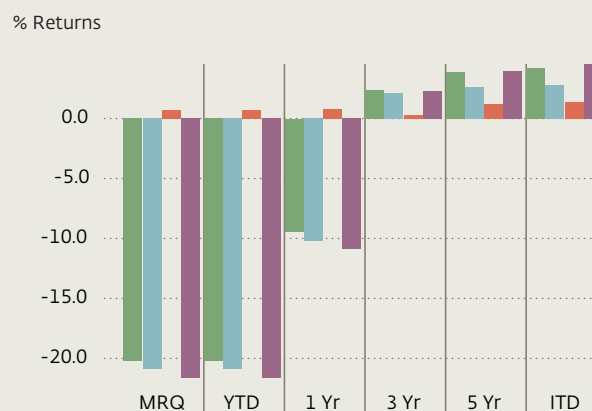
### Performance: Growth of \$100



	2015	2016	2017	2018	2019	2020
Product (Gross)	-0.77	10.52	20.44	-8.26	28.07	-20.19
Benchmark <sup>1</sup>	-3.78	6.30	21.71	-8.11	27.87	-20.89
Relative Returns	3.01	4.22	-1.28	-0.15	0.19	0.70
Risk Benchmark	-0.49	9.85	23.09	-7.83	28.27	-21.61

### Performance Highlights (%)

Total Annualized Return for Periods Ending 03/31/20



	MRQ	YTD	1 Yr	3 Yr	5 Yr	ITD
Product (Gross)	-20.19	-20.19	-9.42	2.38	3.84	4.18
Benchmark <sup>1</sup>	-20.89	-20.89	-10.19	2.12	2.59	2.80
Relative Returns	0.70	0.70	0.78	0.26	1.25	1.38
Risk Benchmark	-21.61	-21.61	-10.88	2.33	3.96	4.56

### Risk-Return Statistics <sup>2</sup>

	Product	Bench
	3 Yr	5 Yr
Std. Deviation (%)	18.44	15.36
Sharpe Ratio	0.03	0.10
Alpha (%)	0.25	--
Information Ratio	0.34	--
Up Capture (%)	1.00	--
Down Capture (%)	0.99	--

	Product	Bench
Total Return (%)		
Best Qtr(01/19-03/19)	12.84	12.64
Worst Qtr(01/20-03/20)	-20.19	-20.89
Best Year (2019)	28.07	27.87
Worst Year (2018)	-8.26	-8.11

### Risk Statistics <sup>2</sup>

	3 Yr	5 Yr
Active Return (%)	0.26	1.25
Batting Average (%)	50.00	60.00
Beta	0.99	0.97
Tracking Error	0.76	1.58
R Squared	99.84	98.97

### Quick Facts (as of Mar 31, 2020)

Style Classification :	Asset Allocated
Benchmark :	Blend <sup>1</sup>
Risk Benchmark <sup>3</sup> :	Blend <sup>4</sup>
Risk Rating :	Aggressive Growth
Risk Score :	93 (out of 100)
Product AUM(MM) :	\$861
Portfolio Inception :	September 2014
Current # Holdings :	9
Avg. Annual Turnover :	42%
Website :	www.blackrock.com

Benchmark has changed, refer to footnotes for historical changes. <sup>1</sup>

The performance quoted represents past performance. Past performance is not indicative of future results. Performance and performance related statistics presented are as of Mar 31, 2020. <sup>5</sup>

The value of an investment and the return on invested capital will fluctuate over time and, when sold or redeemed, may be worth less than its original cost.

Performance is shown gross of fees, except for the internal expenses of any investment products and does not reflect the effect of income taxes on the investment returns. Actual performance results will be reduced by fees including, but not limited to, investment management fees and other costs such as custodial, reporting, evaluation and advisory services. Performance reflects the reinvestment of dividends, income and capital appreciation. For more information on fees, see the Notes section. <sup>6</sup>

Benchmark indices reflect the reinvestment of dividends and income and not deductions for fees, expenses or taxes. Indices are unmanaged and not available for direct investment. <sup>7</sup>

The information is based on data received from the investment strategy manager and/or other sources, such as reporting service providers, but has not been independently verified. All performance results are composite returns as of the date noted showing total returns that are calculated assuming reinvestment of dividends, income and capital appreciation.

## BlackRock Equity Target Allocation ETF Portfolio., Continued

Portfolio Characteristics <sup>8</sup>		Asset Allocation	
( Actual investor holdings will vary )			
Average Market Cap (MM)	47,306		
Median Market Cap (MM)	48,154		
Adjusted Price/Earnings Ratio	18.50		
Price/Book Ratio	2.40		
Return On Equity (1yr)	21.72		
EPS Growth-Past 5 yrs	n/a		
Debt to Total Capital	39.55		
Current Yield (%)	2.03 <sup>9</sup>		
Weight. Avg Gross Expense Ratio <sup>10</sup>	0.18%		
Weight. Avg Net Expense Ratio <sup>11</sup>	0.18%		

Equity Sector Distribution		Holdings	
	0.0 % 20.0 40.0	Security	%
Energy	2.7	iShares Core S&P 500	24.50
Fin. Services	13.6	iShares ESG MSCI USA ETF	24.50
Industrials	9.2	iShares MSCI EAFE Growth ETF	13.72
Technology	22.4	iShares ESG MSCI EM ETF	9.80
Cons. Cyclical	8.9	iShares Core S&P Total US Stock Mkt ETF	6.86
Bas...	2.8	iShares Global Tech ETF	4.90
Comm. Svcs.	8.5	iShares US Medical Devices	4.90
Healthcare	17.5	iShares Edge MSCI USA Value Factor ETF	4.90
Real Estate	3.1	iShares Edge MSCI Min Vol USA	3.92
Cons. Defense	8.4		
Utilities	2.9		

The data presented is based on a snapshot of the holdings in the portfolio as of Apr 15, 2020 and may change at any time. Other data is calculated based on the reported holdings and data received from third party data sources, as of the most recent date provided to Envestnet. The information is believed to be accurate, however Envestnet cannot guarantee the accuracy, completeness, or timeliness of the data as it has not been independently verified. Specific securities identified and described do not represent all of the securities purchased, sold or recommended for advisory clients, and may not reflect any restriction a client may have placed on a portfolio. The portfolio holdings may vary depending on strategy employed by the investment manager. Holdings information should not be considered a recommendation to buy or sell a particular security. It should not be assumed that any investments in securities identified and described were or will be profitable, and diversification does not ensure a profit or protect against loss.

<sup>1</sup> Blend represents a benchmark composed of 90% MSCI All Countries World Index PR (USD), 10% MSCI US Broad Market Total Return (Inception to 12/13/2016), 70% MSCI All Countries World Index PR (USD), 30% MSCI US Broad Market Total Return (12/14/2016 - 11/27/2017), 70% MSCI ACWI Net In(USD), 30% MSCI USA NET USD (11/28/2017 to date)

<sup>2</sup> **Alpha** - A measure of a stock's risk-adjusted performance, considering the risk due to the specific stock, rather than the overall market. Alpha can be thought of as how the stock performed if the market has had no gain or loss. A large alpha indicates that the stock or mutual fund has performed better than would be predicted given its beta (volatility). **Beta** - A measure of a manager's performance relative to the market (benchmark index). A manager with a beta coefficient of 1.00 has experienced up and down movements of roughly the same magnitude as the market. Higher betas are associated with higher risk levels, while lower betas are associated with lower risk levels. **Capture Ratio** - Up(Down) Capture Ratio is a measure of managers' performance in up(down) markets relative to the market itself. An up market is one in which the market's quarterly return is greater than or equal to zero. The higher the manager's up-market capture ratio, the better the manager capitalized on a rising market. For example, a value of 1.10 suggests that the manager captured 110% of the market gain (performed ten percent better than the market) when the market was up. A down-market capture ratio of 0.90 suggests that the manager captured only 90% of the market loss when the market was down. **R-squared** - A measure of how much of a portfolio's performance can be explained by the returns from the overall market (or a benchmark index). If a portfolio's total return precisely matched that of the overall market or benchmark, its R-squared would be 100.00. If a portfolio's return bore no relationship to the market's returns, its R-squared would be 0. **Sharpe Ratio** - A measure of risk-adjusted return. To calculate a Sharpe ratio, an asset's excess returns (its return in excess of the return generated by risk-free assets such as Treasury bills) is divided by the asset's standard deviation. **Standard Deviation** - A gauge used to measure risk, or volatility. It is a number indicating the variability of a set of numerical values about their arithmetic average. For example, a \$1 million portfolio with a quarterly standard deviation of 5% will fluctuate \$50,000 (5% of \$1 million) or less per quarter two-thirds of the time. The lower the manager's standard deviation, the more stable the portfolio's performance. High standard deviation suggests a portfolio with more fluctuation and volatility.

<sup>3</sup> The secondary risk benchmark is shown for informational purposes only. It is based on the overall risk score of the product only.

<sup>4</sup> 65% Russell 1000 TR, 25% MSCI EAFE GR, 6% Russell 2000 TR, 4% MSCI EM TRG USD

## BlackRock Equity Target Allocation ETF Portfolio., Continued

<sup>5</sup> Note: **Performance Inception** Oct 1, 2014

Performance returns & statistics are calculated using quarterly returns data as of date noted and is the most recent data made available by the asset manager. Unless otherwise noted, portfolio performance returns are provided by a third-party data provider or the asset manager directly.

<sup>6</sup> Actual fees will vary depending on, among other things, the applicable fee schedule, the time period, investment performance and account size. For example, if \$100,000 were invested and experienced a 10% annual return compounded monthly for 10 years, its ending value, without giving effect to the deduction of advisory fees, would be \$270,704 with annualized compounded return of 10.47%. If an advisory fee of 0.95% of the average market value of the account were deducted monthly for the 10-year period, the annualized compounded return would be 9.43% and the ending dollar value would be \$246,355. For a description of all fees, costs and expenses, please refer to your financial advisor's Disclosure Brochure. Past performance is not indicative of future results.

<sup>7</sup> Reported benchmarks are not intended as direct comparisons to the performance of the portfolio. Instead, they are intended to represent the performance of certain sectors of the overall securities market (e.g. equities, bonds, etc.). Respectively, the volatility and performance of the reported benchmark may be greater than or less than the volatility and performance of the investment portfolio.

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<sup>9</sup> Yield is an indication of the current estimated dividends and interest vs. the current market value of the holdings. The yield represents the current amount of income that is being generated from the portfolio without liquidating the principal or capital gains on the portfolio. However, the yield will fluctuate daily and current or past performance is not a guarantee of future results

<sup>10</sup> The weighted average of the gross expense ratios of the funds and/or ETFs used in the portfolio.

<sup>11</sup> The weighted average of the net expense ratios of the funds and/or ETFs used in the portfolio. The fund net expense ratios reflect fee waivers by the underlying fund management companies, which may not be permanent.

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## Notes

**1 Asset Style Description:** Asset style generally describes a specific group of assets or investments. All investments contain risk and there is no assurance the money you invest will appreciate over time and may be worth less than the original cost. Diversification does not guarantee a profit or guarantee protection against losses.

**All Cap:** A stock mutual fund that invests in equity securities without regard to whether a company is characterized as having a small, medium or large market capitalization. The securities of small and medium companies may be more volatile and less liquid than the securities of larger companies. While larger companies tend to be less volatile than small or mid cap companies, an investment in large cap companies can still lose money.

**Alternative:** An investment that is not one of the three traditional asset types (stocks, bonds and cash) and generally has low correlations to stocks and bonds. Alternative investments include hedge funds, managed futures, market neutral/ long-short funds and derivatives contracts. The term "alternative investment" is a broad term that can describe an investment product other than traditional stocks, bonds, mutual funds, etc. Alternative Investments may have complex terms and features that are not easily understood and are not suitable for all investors. Risks that may be associated with liquid alternative investments include: (1) Leverage - Leverage may enhance a fund's returns in up markets but exacerbate returns in a bad market. Some firms with leverage inherent in their portfolios may experience "margin call" types of actions in the event of liquidity dry-ups or if certain counterparties cannot provide the leverage needed. (2) Shorting - Certain securities may be difficult to sell short at the price that the manager would wish to execute a trade. A short position may have the possibility of an infinite loss if a security continues to go up in price and the manager does not cover. (3) Security valuation - Certain securities held in alternative mutual funds, such as derivatives or thinly traded stocks, bonds or swaps may not have a market in which the money manager may need to trade it quickly in case of fund redemptions. High Bid/Ask spreads or the lack of another buyer/seller to take the opposite position of a thinly traded security could cause inaccurate estimates in underlying security valuation by the administrator. (4) Nightly reconciliation - The use of thinly traded securities, shorting and leverage may make it difficult for some alternative funds, based on their investment strategy, to provide accurate nightly NAVs for the mutual fund.

**Alternative Fixed Income:** A strategy that seeks to exploit inefficiencies in the fixed income markets. Strategies can include long/short credit, long/short duration, long/short interest rates and other uncorrelated fixed income strategies (credit strips, non-traditional bonds). Portfolios will tend to have fixed income market betas in the range of -0.2 to 0.5 compared to the BarCap Aggregate Bond Index. Fixed Income Investments are subject to interest rate risk which is the risk that debt securities in a fund's portfolio will decline in value because of increases in market interest rates.

**Asset Allocated:** A portfolio allocation and management method aimed at balancing risk and return. Such portfolios are generally divided roughly equally between equities and fixed-income securities. The securities of small and medium companies may be more volatile and less liquid than the securities of larger companies. While larger companies tend to be less volatile than small or mid cap companies, an investor can still lose money when investing in stocks with large cap companies. Fixed Income Investments are subject to interest rate risk which is the risk that debt securities in a fund's portfolio will decline in value because of increases in market interest rates.

**Balanced:** A portfolio allocation and management method aimed at balancing risk and return. Such portfolios are generally divided roughly equally between equities and fixed-income securities. The securities of small and medium companies may be more volatile and less liquid than the securities of larger companies. While larger companies tend to be less volatile than small or mid cap companies, an investor can still lose money when investing in stocks with large cap companies. Fixed Income Investments are subject to interest rate risk which is the risk that debt securities in a fund's portfolio will decline in value because of increases in market interest rates.

**Bank Loan:** Bank loans, also referred to as floating rate loans, are secured debt obligations with an interest rate that moves up and down with a specific market rate. Unlike most corporate debt, bank loans are secured by specific physical assets owned by the company. In the event of a default, loan holders are paid first which severely limits (but does not eliminate) the risk of permanent loss of capital. Despite this security, bank loans are primarily non-investment grade (rated BB or lower). The interest rate paid by the issuer is variable and moves in conjunction with a specific market rate ("base" rate), most commonly the 90-day LIBOR rate. The interest rate is noted as a "spread", i.e. LIBOR +400, and typically resets to the new market rate every 90 days. Since 2009, the majority of loans also have a "floor" provision which dictates the "base" rate is greater of the "floor" or the market rate. Most common in the U.S. market is a 1.0% "floor", meaning the minimum interest rate paid in the previous example would be 5.0%.

**Bear Market:** A strategy that seeks to exploit a view of securities or markets that are overvalued by having a relative high net short beta to equity market betas or implement a tactical view to potentially profit from a declining equity market. Portfolios will tend to have equity market betas in the range of -0.4 to -1.5 to the S&P 500. Some managers invest the proceeds from their short positions in low-risk assets, while others dedicate a portion to long stock positions in order to hedge against broad market rallies. In the event of a broad market rally, these funds will lose money on their short positions but should experience a gain on their long positions.

**Cash:** Cash can be cash in the bank, certificates of deposit, currency, money market holdings, fixed-income securities that mature in less than 12 months, commercial paper and repurchase agreements. While investing in cash or cash equivalents is generally considered to be a safe investment, it is still subject to inflation risk; the risk that inflation will outpace the performance on your investment as inflation shrinks the purchasing power of your cash investment.

**Commodity:** A generic term for any item or product that can be traded by investors on a market. More specifically, it refers to natural materials and their derived products such as metals, agricultural products and energy products. Investing in commodities or equity securities of commodity-related companies may have greater volatility than investments in traditional securities. The commodities market may fluctuate widely and the value of the investment can experience periods of significant movements up and down.

**Emerging Markets Bond:** This asset class represents bonds that are issued by foreign entities in emerging markets. Emerging market bonds may be issued by foreign governments or corporations and may be denominated in US dollars or foreign currency. In general, the bond market is less volatile than the equity markets, but not without risk. Emerging market bond portfolios are subject to interest rate risk and the inherent repayment risk related to the underlying credit worthiness of the various issuers. Investing overseas also involves additional risks, including the foreign exchange risk, which can increase the overall volatility of the portfolio, political and economic instability, and, in some cases, illiquid markets or limited geographical focus. Investors should be aware that bond prices and interest rates have an inverse relationship, when interest rates rise bond prices fall and vice versa.

**Equity Arbitrage:** A strategy that seeks to benefit from differences in pricing differences between related securities. Example of this include merger arbitrage, pairs trading, sector arbitrage, capital structure arbitrage. Portfolios will tend to have equity market betas in the range of 0.2 to 0.5 compared to the S&P 500. There is no guarantee that a benefit will be realized on the spread in pricing and the investment can lose money.

**Equity Market Neutral:** Seeks to construct a portfolio of long and short equities market by balancing out net long and net short equity exposure across the portfolio so that the net equity market exposure is around 0%. Some managers implement this by singling out stock picking ability and targeting zero equity beta. Techniques used include statistical arbitrage, quantitative trading strategies and relative value trades as well as fundamental analysis. In attempting to reduce systematic risk, these funds put the emphasis on issue selection, with profits dependent on their ability to sell short and buy long the correct securities. Managers in this space can use economic leverage via derivative contracts.

**Event Driven:** A strategy that purchases securities throughout the capital structure in order to benefit from certain events that will impact the price of a security. Examples include merger arbitrage, sector arbitrage, capital structure arbitrage, spin-offs, re-structuring, debt exchanges, management changes, etc. Managers in this space can invest in securities throughout the capital structure in order to express an investment thesis and can use derivatives in order to obtain economic leverage.



## Notes

**Foreign Large Cap Core:** This asset class represents stocks that are domiciled outside of the US with market capitalization in the top 70% of each economically integrated market around the world. A core portfolio invests in a combination of growth and value stocks. While these portfolios can invest in US domiciled stocks, they typically make up less than 20% of the portfolio.

**Foreign Large Cap Growth:** This asset class represents stocks that are domiciled outside of the US with market capitalization in the top 70% of each economically integrated market around the world. The growth style is defined as stocks that are fast growing with higher valuations than other large international stocks. While these portfolios can invest in US domiciled stocks, they typically make up less than 20% of the portfolio.

**Foreign Large Cap Value:** This asset class represents stocks that are domiciled outside of the US with market capitalization in the top 70% of each economically integrated market around the world. The value style is defined as stocks that are trading at low valuations compared to their industry and peers. While these portfolios can invest in US domiciled stocks, they typically make up less than 20% of the portfolio.

**Foreign Small Mid Cap Core:** Foreign Small Mid Core portfolios generally invest in the stock of companies which are domiciled outside of the US and are small from a market capitalization standpoint. These portfolios generally invest in stocks that land in the bottom 30% of the capitalization range of each economically integrated market (Asia ex-Japan, Europe). The core style will have a combination of traits of both growth and value styles. While these portfolios can invest in US domiciled stocks, they typically make up less than 20% of the portfolio.

**Foreign Small Mid Cap Growth:** Foreign Small Mid Growth portfolios generally invest in the stock of companies which are domiciled outside of the US and are small from a market capitalization standpoint. These portfolios generally invest in stocks that land in the bottom 30% of the capitalization range of each economically integrated market (Asia ex-Japan, Europe). The growth style is generally defined as stocks which are experiencing higher growth (based on earnings, sales, cash flow, etc.) and are generally trading at higher valuations due to that higher growth. While these portfolios can invest in US domiciled stocks, they typically make up less than 20% of the portfolio.

**Foreign Small Mid Cap Value:** Foreign Small Mid Value portfolios generally invest in the stock of companies which are domiciled outside of the US and are small from a market capitalization standpoint. These portfolios generally invest in stocks that land in the bottom 30% of the capitalization range of each economically integrated market (Asia ex-Japan, Europe). The value style is generally defined as stocks which are trading at low valuations. While these portfolios can invest in US domiciled stocks, they typically make up less than 20% of the portfolio.

**Global Equity:** This asset class represents investments in companies that operate in any market in the world. Investing overseas involves special risks, including the volatility of currency exchange rates and, in some cases, limited geographic focus, political and economic instability, and relatively illiquid markets.

**Global Macro:** Macro managers invest in a broad range of securities and indices including, but not limited to, equities, fixed income, rates, currencies, commodities, credit, etc. and can use derivatives and economic leverage to express these views. The majority of macro strategies have a top down view and are trying to determine if broad asset classes are under or overvalued. Managers can use both discretionary as well as systematic techniques to find opportunities.

**Hedged Equity:** Strategy that seeks to reduce overall equity portfolio volatility by hedging and varying net equity market exposure by going long and short individual equities, equity ETFs and derivative products. Money managers will tend to have equity market betas in the range of 0.4–0.8 compared to the S&P 500. Strategies include long/short equity or using options to hedge equity market risk. Some funds that fall into this category will shift their exposure to long and short positions depending on their macro outlook or the opportunities they uncover through bottom-up research. By hedging downside risk, upside potential may be limited.

**High Yield:** A collective investment strategy that invests in bonds with low credit ratings. Because of the risky nature of high yield bonds, high-yield funds have greater volatility than the average bond fund and have a greater risk of default. Fixed Income Investments are subject to interest rate risk which is the risk that debt securities in a fund's portfolio will decline in value because of increases in market interest rates.

**Inflation-Protected Bond:** A special type of Treasury note or bond that offers protection from inflation. Like other Treasuries, an inflation-indexed security pays interest every six months and pays the principal when the security matures. The difference is that the coupon payments and underlying principal are automatically increased to compensate for inflation as measured by the consumer price index (CPI). Inflation Protected bonds are still subject to interest rate risk which is the risk that debt securities in a fund's portfolio will decline in value because of increases in market interest rates. Income distributions may fluctuate considerably more than a typical bond fund when the CPI fluctuates.

**International Developed Markets:** This asset class invests in companies located in foreign countries with developed economies and market such as Japan, Western Europe and Australia. Funds that invest in international securities involve special additional risks. These risks include, but are not limited to, currency risk, political risk, and risk associated with varying accounting standards.

**International Emerging Markets:** This asset class represents companies that operate in industrializing or emerging regions of the world. Funds that invest in international securities involve special additional risks. These risks include, but are not limited to, currency risk, political risk, and risk associated with varying accounting standards. Investing in emerging markets may accentuate these risks.

**Intermediate Bond:** This asset class represents fixed income securities with typical average maturity of 4 to 10 years. In general, the bond market is volatile and such funds are subject to interest rate risk and the inherent credit risk related to the underlying credit worthiness of the various issuers. Investors should be aware that bond prices and interest rates have an inverse relationship, when interest rates rise bond prices fall and vice versa.

**Intermediate Muni:** This asset class represents municipal bond securities with typical average maturity of 5 to 12 years. See "Fixed Income Sectors" for more information on Municipal Bonds. In general, the bond market is volatile and such funds are subject to interest rate risk and the inherent credit risk related to the underlying credit worthiness of the various issuers. Investors should be aware that bond prices and interest rates have an inverse relationship, when interest rates rise bond prices fall and vice versa.

**International Bond:** Bonds that are issued in a country by a non-domestic entity. International bonds include Eurobonds, foreign bonds and global bonds. In general, the bond market is volatile and such funds are subject to interest rate risk and the inherent credit risk related to the underlying credit worthiness of the various issuers. Investors should be aware that bond prices and interest rates have an inverse relationship, when interest rates rise bond prices fall and vice versa. Investing overseas involves special risks, including the volatility of currency exchange rates and, in some cases, limited geographic focus, political and economic instability, and relatively illiquid markets.

**Inverse:** These funds seek to generate returns equal to an inverse fixed multiple of short-term returns of an associated index. The compounding of short-term returns results in performance that does not correspond to those of investing in the index with external leverage. Many of these portfolios seek to generate a multiple typically negative 1 to negative 3 times the daily or weekly return of the reference index. Some strategies employ derivatives to obtain this exposure.

**Large-Cap Core:** This asset class represents companies with market capitalizations above approximately \$10 billion that may demonstrate above average consistency in earnings growth and reasonable market valuations. The market capitalization of large cap companies may change over time and is not authoritatively defined. While larger companies tend to be less volatile than small or mid cap companies, an investor can still lose money when investing in the stocks of large cap companies.

**Large-Cap Growth:** This asset class represents companies with market capitalizations above approximately \$10 billion that may exhibit above average growth potential, often demonstrated by accelerating revenue and earnings growth. While larger companies tend to be less volatile than small or mid cap companies, an investor can still lose money when

## Notes

investing in the stocks of large cap companies.

**Large-Cap Value:** This asset class represents companies with market capitalizations above approximately \$10 billion that often exhibit relatively low P/E ratios or are undervalued by other objective measures, such as price-to-book ratios. The market capitalization of large cap companies may change over time and is not authoritatively defined. While larger companies tend to be less volatile than small or mid cap companies, an investor can still lose money when investing in the stocks of large cap companies.

**Leveraged:** Leveraged portfolios seek to achieve overall exposure to the market consistently larger than the sum of fund assets. This exposure may be 1 to 3 times a reference index. This is achieved through borrowed cash invested in securities that can provide income or capital appreciation in excess of the borrowing costs. Some strategies employ derivatives to obtain this exposure.

**Long Bond:** This asset class represents fixed income securities with typical average maturity greater than 10 years. In general, the bond market is volatile and such funds are subject to interest rate risk and the inherent credit risk related to the underlying credit worthiness of the various issuers. Investors should be aware that bond prices and interest rates have an inverse relationship, when interest rates rise bond prices fall and vice versa.

**Long Muni:** This asset class represents municipal bond securities with typical average maturity greater than 12 years. See "Fixed Income Sectors" for more information on Municipal Bonds. In general, the bond market is volatile and such funds are subject to interest rate risk and the inherent credit risk related to the underlying credit worthiness of the various issuers. Investors should be aware that bond prices and interest rates have an inverse relationship, when interest rates rise bond prices fall and vice versa.

**Long/Short Credit:** Long-short portfolios hold sizable stakes in both long and short positions in bonds and related derivatives. Some funds that fall into this category will shift their exposure to long and short positions depending on their macro outlook or the opportunities they uncover through bottoms up research. Funds in this institutional category use individual short positions rather than derivatives to obtain short exposure.

**Managed Futures:** Portfolio investments made directly into derivatives contracts such as futures, forwards and options. Many managers will position investment in trend following or momentum based trading strategies. Managed futures generally manage their clients assets using a proprietary trading system or discretionary method that may involve going long or short in futures contracts in areas such as metals, grains, equity indexes, soft commodities, as well as foreign currency and U.S government bond futures. Managed Futures portfolios can have both volatile and uncorrelated returns to equity and fixed income markets but have positive correlation to volatility in general (i.e. the VIX). Portfolios will tend to have market betas in the range of -0.3 to 0.3 to both fixed income and equity market indexes.

**Market Neutral:** Seeks to construct a portfolio of long and short equities market by balancing out net long and net short equity exposure across the portfolio. Some managers implement this by singling out stock picking ability and targeting zero equity beta. Portfolios will tend to have equity market betas in the -0.2 to 0.2 range. Techniques used include statistical arbitrage, quantitative trading strategies and relative value trades. In attempting to reduce systematic risk, these funds put the emphasis on issue selection, with profits dependent on their ability to sell short and buy long the correct securities.

**Mid-Cap Core:** This asset class represents companies with market capitalizations typically between \$2 to \$10 billion that may demonstrate above average consistency in earnings growth and reasonable market valuations. The market capitalization of mid cap companies may change over time and is not authoritatively defined. The securities of these companies may be more volatile and less liquid than the securities of larger companies.

**Mid-Cap Growth:** This asset class represents companies with market capitalizations typically between \$2 to \$10 billion that often exhibit above average growth potential, often demonstrated by accelerating revenue and earnings growth. The market capitalization of mid cap companies may change over time and is not authoritatively defined. The securities of these companies may be more volatile and less liquid than the securities of larger companies.

**Mid-Cap Value:** This asset class represents companies with market capitalizations typically between \$2 to \$10 billion that often exhibit relatively low P/E ratios or are undervalued by other objective measures, such as price-to-book ratios. The market capitalization of mid cap companies may change over time and is not authoritatively defined. The securities of these companies may be more volatile and less liquid than the securities of larger companies.

**Multi-Strategy Alternative:** A strategy whereby a money manager is diversifying across multiple alternative investment strategies within a portfolio to seek different sources of returns. Portfolios will tend to have equity market betas in the range of 0.3 to 0.7 compared to the S&P 500. An investor's exposure to different tactics may change slightly over time in response to market movements. Funds in this category include both funds with static allocations to alternative strategies and funds tactically allocating among alternative strategies and asset classes.

**Other:** This asset class includes securities without enough security data provided from our vendors to classify them such as warrants, bonds without CUSIPs or UITs missing a Morningstar category for example.

**REITs:** A security that sells like a stock on the major exchanges and invests in real estate directly, either through properties or mortgages or in companies that are involved in the real estate industry, either directly or indirectly. The investment can fluctuate over short or even long periods and over a long period of time like the stock market and can be effected by additional risks such as interest rate risks, REITs share price may decline because of adverse developments affecting the real estate market including changes in interest rates or general economic and market conditions. Additional risks associated with investment in securities of companies in the real estate industry can include declines in the value of real estate, local economic conditions, increases in property taxes, changes in zoning laws, casualty or property damage, or changes to the rental market.

**Short Bond:** This asset class represents fixed income securities with typical average maturity of less than 4 years. In general, the bond market is volatile and such funds are subject to interest rate risk and the inherent credit risk related to the underlying credit worthiness of the various issuers. Investors should be aware that bond prices and interest rates have an inverse relationship, when interest rates rise bond prices fall and vice versa.

**Short Muni:** This asset class represents municipal bond securities with typical average maturity less than 5 years. See "Fixed Income Sectors" for more information on Municipal Bonds. In general, the bond market is volatile and such funds are subject to interest rate risk and the inherent credit risk related to the underlying credit worthiness of the various issuers. Investors should be aware that bond prices and interest rates have an inverse relationship, when interest rates rise bond prices fall and vice versa.

**Small-Cap Core:** This asset class represents companies with market capitalizations typically of up to \$2 billion that may demonstrate above average consistency in earnings growth and reasonable market valuations. The market capitalization of small cap companies may change over time and is not authoritatively defined. Funds that invest in stocks of small companies involve additional risks, including relatively low trading volumes, a greater degree of change in earnings, and greater short-term volatility. Smaller companies typically have a higher risk of failure, and are not as well established as larger blue-chip companies.

**Small-Cap Growth:** This asset class represents companies with market capitalizations typically of up to \$2 billion that may exhibit above average growth potential, often demonstrated by accelerating revenue and earnings growth. The market capitalization of small cap companies may change over time and is not authoritatively defined. Funds that invest in stocks of small companies involve additional risks, including relatively low trading volumes, a greater degree of change in earnings, and greater short-term volatility. Smaller companies typically have a higher risk of failure, and are not as well established as larger blue-chip companies.

**Small-Cap Value:** This asset class represents companies with market capitalizations typically of up to \$2 billion that often exhibit relatively low P/E ratios or are undervalued by other objective measures, such as price-to-book ratios. The market capitalization of small cap companies may change over time and is not authoritatively defined. Funds that



## Notes

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**Fixed Income Sectors:** The fixed-income securities in an investment's portfolio are mapped into one of 14 sectors, which in turn roll up to five super sectors. These sectors help investors and investment professionals compare and understand the sector exposure of each investment. This data is especially useful for comparing two investments that may be in the same category.

**2 Monte Carlo Disclosure:** The graphs use Monte Carlo simulation to help you evaluate various products and strategies for your clients. Monte Carlo simulation is a statistical technique that uses random returns to show the probability of meeting specified financial goals at certain times in the future. This is accomplished by generating thousands of possible future returns based on the expected returns, standard deviations and allocations in the table in the Monte Carlo section and the asset class correlations embedded in capital market forecasts used by your financial institution. The goal is to provide a more realistic assessment of possible cash flow outcomes under different circumstances. These simulations run results 750 times to generate 750 unique possible futures. Each scenario has a unique sequence, size, and volatility to its returns. However, every scenario has the same mean expected return, deviation and correlation matrix. The result is a log-normal distribution of 750 hypothetical scenarios that show the cash flows that the products and strategies might yield. The scenarios generated from the Monte Carlos simulation represent a spectrum of possible results. The simulated projections have certain inherent limitations since they do not reflect the impact that material economic and market factors might have. Since the activity in your simulation has not actually occurred, the results of the simulation may under- or over-compensate for the impact, if any, of certain market factors and may underestimate the impact of market extreme and the related risk of loss. It is important to remember that this process is based on assumptions that may not reflect the behavior of actual events. For example, Monte Carlo Simulation may not fully account for certain rare and extreme market catastrophes which fall outside normal expectations. A different set of assumptions would create a different probability distribution. Expert opinion regarding expected returns, volatility and market trends vary widely. The simulations are not representative of the performance of any client account. **All of the graphs and other information are hypothetical in nature, do not reflect actual investment results, and are not guarantees of future results.** Actual investment returns, standard deviation, inflation, interest rates and the cash flows generated by the products and strategies will vary from the projections shown, perhaps significantly. The graphs are not meant to project the performance of the products and strategies or the cash flows that they will generate. The graphs presented represent only four of the many possible outcomes. Results may vary with each outcome and over time. In addition, other products and investment strategies not considered may have characteristics similar or superior to those analyzed in the graphs. The simulations are presented in inflation-adjusted dollars and are based on the specific characteristics of the current and proposed portfolio. This result from Monte Carlo simulation are nominal and have an assumed inflation rate of 2.1%.

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4 To score stock sizes, Morningstar uses a flexible system that is not adversely affected by overall movements in the market. World equity markets are divided into seven style zones: United States, Latin America, Canada, Europe, Japan, Asia ex-Japan, and Australia/New Zealand. The stocks in each style zone are divided into size groups. Giant-cap stocks are defined as those that account for the top 40% of the capitalization of each style zone; large-cap stocks represent the next 30%; mid-cap stocks represent the next 20%; small-cap stocks represent the next 7% and micro-cap stocks represent the smallest 3%. For value-growth scoring, giant-cap stocks are included with the large-cap group for that style zone, and micro-caps are scored against the small-cap group for that style zone.

5 Actual fees will vary depending on, among other things, the applicable fee schedule, the time period, investment performance and account size. For example, if \$100,000 were invested and experienced a 10% annual return compounded monthly for 10 years, its ending value, without giving effect to the deduction of advisory fees, would be \$270,704 with annualized compounded return of 10.47%. If an advisory fee of 0.95% of the average market value of the account were deducted monthly for the 10-year period, the annualized compounded return would be 9.43% and the ending dollar value would be \$246,355. For a description of all fees, costs and expenses, please refer to your financial advisor's Disclosure Brochure. Past performance is not indicative of future results.

6 Total returns are historical and include change in share value and reinvestment of dividends and capital gains, if any. Cumulative total returns are reported as of the period indicated. Life of fund figures are reported as of the commencement date to the period indicated. The information is based on data received from reporting service providers, but has not been independently verified.