



MainStay VP Natural Resources Portfolio

Formerly known as MainStay VP Mellon Natural Resources Portfolio

To Statutory Prospectus

To Statement of Additional Information

Before you invest, you may want to review the Portfolio's Prospectus, which contains more information about the Portfolio and its risks. You can find the Portfolio's Prospectus, reports to shareholders and other information about the Portfolio by going online to newyorklifeinvestments.com, by calling 800-598-2019 or by sending an e-mail to MainStayShareholderServices@nylim.com. The Portfolio's Prospectus and Statement of Additional Information, both dated May 1, 2021, as may be amended from time to time, are incorporated by reference into this Summary Prospectus.

Investment Objective

The Portfolio seeks long-term capital appreciation.

Fees and Expenses of the Portfolio

The table below describes the fees and expenses that you may pay if you buy, hold and sell shares of the Portfolio. The table does not include any separate account or policy fees or charges imposed under the variable annuity policies and variable universal life insurance policies for which the Portfolio is an investment option. If they were included, your costs would be higher. Investors should consult the applicable variable annuity policy or variable universal life insurance policy prospectus for more information.

	Initial Class
Annual Portfolio Operating Expenses (fees paid directly from your investment)	
Management Fees (as an annual percentage of the Portfolio's average daily net assets) ¹	0.79%
Distribution and Service (12b-1) Fees	None
Other Expenses	0.07%
Total Annual Portfolio Operating Expenses	0.86%

1. The management fee is as follows: 0.79% on assets up to \$1 billion; and 0.78% on assets over \$1 billion.

Example

The Example is intended to help you compare the cost of investing in the Portfolio with the cost of investing in other mutual funds. The Example does not include any separate account or policy fees or charges imposed under the variable annuity policies and variable universal life insurance policies for which the Portfolio is an investment option. If they were included, your costs would be higher. The Example assumes that you invest \$10,000 in the Portfolio for the time periods indicated whether or not you redeem all of your shares at the end of those periods. The Example also assumes that your investment has a 5% return each year and that the Portfolio's operating expenses remain the same. The Example reflects the contractual fee waiver and/or expense reimbursement arrangement, if applicable, for the current duration of the arrangement only. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Initial Class	\$ 88	\$ 274	\$ 477	\$ 1,061

Portfolio Turnover

The Portfolio pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs. These costs, which are not reflected in annual Portfolio operating expenses or in the Example, affect the Portfolio's performance. During the most recent fiscal year, the Portfolio's portfolio turnover rate was 68% of the average value of its portfolio.

Principal Investment Strategies

The Portfolio normally invests at least 80% of its assets (net assets plus any borrowings for investment purposes) in the stocks of companies in the natural resources and natural resources related sectors. Generally, these are companies principally engaged in owning or developing natural resources, or principally engaged in supplying goods, technology and services relating to natural resources. These companies may include, for example, companies involved in exploring, mining, drilling, refining, processing, transporting, distributing, fabricating, dealing in, or owning natural resources, and companies providing environmental services. Natural resources include, but are not limited to, precious metals (e.g., gold, platinum and silver), ferrous and non-ferrous metals (e.g., iron, aluminum and copper), strategic metals (e.g., uranium and titanium), hydrocarbons (e.g., coal, oil and natural gases) and other sources (including alternative sources) of energy, chemicals, paper and forest products, farming products, real estate, food, textile and tobacco products, and other basic commodities.

The Portfolio will invest at least 25% of its total assets (concentrate its investments) in the securities of "hard assets" companies and instruments that derive their value from hard assets. A hard assets company is a company that derives directly or indirectly, at least 50% of its revenues from exploration,

development, production, distribution or facilitation of processes relating to hard assets, which are (i) precious metals, (ii) base and industrial metals, (iii) energy, or (iv) other commodities.

The Portfolio invests principally in common stocks, but may also invest in preferred stocks, warrants and convertible securities, including those purchased in initial public offerings, and American Depositary Receipts. The Portfolio may invest in securities issued by exchange-traded funds (“ETFs”). The Portfolio may invest in foreign securities (i.e., securities issued by companies organized under the laws of countries other than the U.S.), including emerging markets securities.

The Portfolio may also invest in options, futures and options on futures (including those relating to stocks, indexes, foreign currencies and interest rates) and forward contracts, as a substitute for investing directly in an underlying asset, to increase returns, or as part of a hedging strategy. The Portfolio also may engage in short-selling, typically for hedging purposes, such as to limit exposure to a possible market decline in the value of its portfolio securities.

Investment Process: Using fundamental research, the Portfolio's Subadvisor, Mellon Investments Corporation, seeks stocks of companies with strong positions in their natural resources sector, sustained achievement records and strong financial condition. There are no prescribed limits on the weightings of securities in any particular natural resources sector or in any individual company, and the Portfolio may invest in companies of any market capitalization.

The Subadvisor typically sells a stock when the reasons for buying it no longer apply or when the company begins to show deteriorating fundamentals or poor relative performance or when a stock is fully valued by the market. The Subadvisor may also sell a stock to secure gains, limit losses or redeploy assets into more promising opportunities.

Principal Risks

You can lose money by investing in the Portfolio. An investment in the Portfolio is not a bank deposit and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other governmental agency. The investments selected by the Subadvisor may underperform the market in which the Portfolio invests or other investments. The Portfolio may receive large purchase or redemption orders which may have adverse effects on performance if the Portfolio were required to sell securities, invest cash or hold a relatively large amount of cash at times when it would not otherwise do so.

The principal risks of investing in the Portfolio are summarized below.

Market Risk: The value of the Portfolio's investments may fluctuate because of changes in the markets in which the Portfolio invests, which could cause the Portfolio to underperform other funds with similar investment objectives and strategies. Such changes may be rapid and unpredictable. From time to time, markets may experience periods of stress for potentially prolonged periods that may result in: (i) increased market volatility; (ii) reduced market liquidity; and (iii) increased redemptions of Portfolio shares. Such conditions may add significantly to the risk of volatility in the net asset value of the Portfolio's shares.

The energy markets have experienced significant volatility, including significant swings in the price of crude oil and natural gas prices, and may experience and have historically experienced relatively high volatility for prolonged periods as a result of factors such as supply, technology, regulation, and market collusion. Such conditions may negatively impact the Portfolio and its shareholders. The Subadvisor may take measures to navigate the conditions of the energy markets, but there is no guarantee that such efforts will be effective or that the Portfolio's performance will correlate with any increase in oil and gas prices.

Portfolio Management Risk: The investment strategies, practices and risk analyses used by the Subadvisor may not produce the desired results. Investments selected using quantitative methods or based on models that analyze information and data (“quantitative tools”) may perform differently from the market as a whole. The quantitative tool used by the Subadvisor, and the investments selected based on the quantitative tool, may not perform as expected. The quantitative tool may contain certain assumptions in construction and implementation that may adversely affect the Portfolio's performance. There may also be technical issues with the construction and implementation of quantitative tools (for example, software or other technology malfunctions, or programming inaccuracies). In addition, the Portfolio's performance will reflect, in part, the Subadvisor's ability to make active qualitative decisions and timely adjust the quantitative tool, including the tool's underlying metrics and data.

Market Capitalization Risk: To the extent the Portfolio invests in securities issued by small-, mid-, or large-cap companies, the Portfolio will be subject to the risks associated with securities issued by companies of the applicable market capitalization. Securities of small-cap and mid-cap companies may be subject to greater price volatility, significantly lower trading volumes, cyclical, static or moderate growth prospects and greater spreads between their bid and ask prices than securities of larger companies. Smaller capitalization companies frequently rely on narrower product lines and niche markets and may be more vulnerable to adverse business or market developments. Securities issued by larger companies may have less growth potential and may not be able to attain the high growth rates of successful smaller companies, especially during strong economic periods. In addition, larger companies may be less capable of responding quickly to competitive challenges and industry changes, including those resulting from improvements in technology, and may suffer sharper price declines as a result of earnings disappointments. There is a risk that the securities issued by companies of a certain market capitalization may underperform the broader market at any given time.

Natural Resources Sector Risk: Investments in the natural resources and related sectors may be affected by numerous factors, including events occurring in nature, inflationary pressures and domestic and international politics. For example, events occurring in nature (such as earthquakes or fires in prime natural resource areas) and political events (such as coups or military confrontations) can affect the overall supply of a natural resource and the value of companies involved in such natural resource. Political risks and other risks to which foreign securities are subject also may affect domestic companies in which the fund invests if they have significant operations or investments in foreign countries. In addition, interest rates, prices of raw materials and other commodities, international economic developments, energy conservation, tax and other government regulations (both domestic and foreign) may affect the supply of and demand for natural resources, which can affect the profitability and value of securities issued by companies in the natural resources sectors.

Commodities and Commodity-Linked Derivatives Risk: Exposure to the commodities markets, such as precious metals, industrial metals, gas and other energy products and natural resources, may subject the Portfolio to greater volatility than investments in traditional securities. The commodities markets may fluctuate widely based on a variety of factors including changes in overall market movements, political and economic events and policies, war, acts of terrorism, weather and natural disasters, and changes in interest rates or inflation rates. Because the value of a commodity-linked derivative instrument and

structured note typically are based upon the price movements of physical commodities, the value of these securities will rise or fall in response to changes in the underlying commodities or related index of investment.

Focused Portfolio Risk: Because the Portfolio typically invests in relatively few holdings, a larger percentage of its assets may be invested in a particular issuer or in fewer companies than is typical of other mutual funds. This may increase volatility of the Portfolio's NAVs. The Portfolio will be more susceptible to adverse economic, political, regulatory or market developments affecting a single issuer than a fund that is invested more broadly.

Regulatory Risk: The Portfolio as well as the issuers of the securities and other instruments in which the Portfolio invests are subject to considerable regulation and the risks associated with adverse changes in laws and regulations governing their operations.

Companies in the natural resources and natural resources related sectors are subject to greater governmental regulation than certain other industries. As a result, changes in regulatory policies, including government regulations (both domestic and foreign) or policies of intergovernmental organizations that may affect the supply of and demand for natural resources, may be more likely to adversely affect the value of securities issued by these companies.

Preferred Shares Risk: Preferred shares represent an equity or ownership interest in an issuer that pays dividends at a specified rate and that has precedence over common shares in the payment of dividends. In the event an issuer is liquidated or declares bankruptcy, the claims of owners of bonds take precedence over the claims of those who own preferred and common shares. If interest rates rise, the fixed dividend on preferred shares may be less attractive, causing the price of preferred shares to decline. Preferred shares may have mandatory sinking fund provisions, as well as provisions allowing the shares to be called or redeemed prior to its maturity, which can have a negative impact on the share's price when interest rates decline.

Initial Public Offering Risk: Initial public offering share prices are frequently volatile due to factors such as the absence of a prior public market, unseasoned trading, the small number of shares available for trading and limited information about the issuer. Investments in initial public offering shares may significantly impact Portfolio performance.

Depository Receipts Risk: Investments in depository receipts may entail the special risks of investing in foreign securities, including currency exchange fluctuations, government regulations, and the potential for political and economic instability.

Equity Securities Risk: Investments in common stocks and other equity securities are particularly subject to the risk of changing economic, stock market, industry and company conditions and the risks inherent in the portfolio manager's ability to anticipate such changes that can adversely affect the value of the Portfolio's holdings.

Growth Stock Risk: If growth companies do not increase their earnings at a rate expected by investors, the market price of the stock may decline significantly, even if earnings show an absolute increase. Growth company stocks also typically lack the dividend yield that can cushion stock prices in market downturns.

Value Stock Risk: Value stocks may never reach what the Subadvisor believes is their full value or they may go down in value. In addition, different types of stocks tend to shift in and out of favor depending on market and economic conditions, and therefore the Portfolio's performance may be lower or higher than that of funds that invest in other types of equity securities.

Convertible Securities Risk: Convertible securities are typically subordinate to an issuer's other debt obligations. In part, the total return for a convertible security depends upon the performance of the underlying stock into which it can be converted. Also, issuers of convertible securities are often not as strong financially as those issuing securities with higher credit ratings, are more likely to encounter financial difficulties and typically are more vulnerable to changes in the economy, such as a recession or a sustained period of rising interest rates, which could affect their ability to make interest and principal payments. If an issuer stops making interest and/or principal payments, the Portfolio could lose its entire investment.

Derivatives Risk: Derivatives are investments whose value depends on (or is derived from) the value of an underlying instrument, such as a security, asset, reference rate or index. Derivative strategies may expose the Portfolio to greater risk than if it had invested directly in the underlying instrument and often involve leverage, which may exaggerate a loss, potentially causing the Portfolio to lose more money than it originally invested and would have lost had it invested directly in the underlying instrument. Derivatives may be difficult to sell, unwind and/or value. Derivatives may also be subject to counterparty risk, which is the risk that the counterparty (the party on the other side of the transaction) on a derivative transaction will be unable or unwilling to honor its contractual obligations to the Portfolio. Futures may be more volatile than direct investments in the instrument underlying the contract, and may not correlate perfectly to the underlying instrument. Futures and other derivatives also may involve a small initial investment relative to the risk assumed, which could result in losses greater than if they had not been used. Due to fluctuations in the price of the underlying instrument, the Portfolio may not be able to profitably exercise an option and may lose its entire investment in an option. To the extent that the Portfolio writes or sells an option, if the decline in the value of the underlying instrument is significantly below the exercise price in the case of a written put option or increase above the exercise price in the case of a written call option, the Portfolio could experience a substantial loss. Forward commitments entail the risk that the instrument may be worth less when it is issued or received than the price the Portfolio agreed to pay when it made the commitment. The use of foreign currency forwards may result in currency exchange losses due to fluctuations in currency exchange rates or an imperfect correlation between portfolio holdings denominated in a particular currency and the forward contracts entered into by the Portfolio. Derivatives may also increase the expenses of the Portfolio.

Foreign Securities Risk: Investments in foreign (non-U.S.) securities may be riskier than investments in U.S. securities. Foreign regulatory regimes and securities markets can have less stringent investor protections and disclosure standards and less liquid trading markets than U.S. regulatory regimes and securities markets, and can experience political, social and economic developments that may affect the value of the Portfolio's investments in foreign securities. Foreign securities may also subject the Portfolio's investments to changes in currency rates. Changes in the value of foreign currencies may make the return on an investment increase or decrease, unrelated to the quality or performance of the investment itself.

Emerging Markets Risk: The risks related to investing in foreign securities are generally greater with respect to securities of companies that conduct their business activities in emerging markets or whose securities are traded principally in emerging markets. The risks of investing in emerging markets are elevated under current conditions and include: (i) smaller trading volumes for such securities and limited access to investments in the event of market closures (including due to local holidays), which result in a lack of liquidity and in greater price volatility; (ii) less government regulation, which could lead to

market manipulation, and less extensive, transparent and frequent accounting, auditing, recordkeeping, financial reporting and other requirements, which limit the quality and availability of financial information; (iii) the absence of developed legal systems, including structures governing private or foreign investment or allowing for judicial redress (such as limits on rights and remedies available to the Portfolio) for investment losses and injury to private property; (iv) loss resulting from problems in share registration and custody; (v) sensitivity to adverse political or social events affecting the region where an emerging market is located; (vi) particular sensitivity to economic and political disruptions, including adverse effects stemming from recessions, depressions or other economic crises, or reliance on international or other forms of aid, including trade, taxation and development policies; and (vii) the nationalization of foreign deposits or assets.

Short Selling and Short Exposure Risk: To the extent the Portfolio obtains short exposure through the use of derivatives, the Portfolio would be subject to leverage risk, counterparty risk and other risks associated with the use of derivatives. If a security sold short increases in price, the Portfolio may have to cover its short position at a higher price than the short sale price, resulting in a loss, which could be theoretically unlimited. By contrast, a loss on a long position arises from decreases in the value of the security and is limited by the fact that a security's value cannot go below zero. The Portfolio may have substantial short positions and must borrow those securities to make delivery to the buyer. The Portfolio may not be able to borrow a security that it needs to deliver or it may not be able to close out a short position at an acceptable price and may have to sell related long positions before it had intended to do so. Thus, the Portfolio may not be able to successfully implement its short sale strategy due to limited availability of desired securities or for other reasons. The Portfolio also may be required to pay a premium and other transaction costs, which would increase the cost of the security sold short. The amount of any gain will be decreased, and the amount of any loss increased, by the amount of the premium, dividends, interest or expenses the Portfolio may be required to pay in connection with the short sale.

Until the Portfolio replaces a borrowed security, it is required to maintain a segregated account of cash or liquid assets with the Portfolio's broker or custodian to cover the Portfolio's short position. Generally, securities held in a segregated account cannot be sold unless they are replaced with other liquid assets. The Portfolio's ability to access the pledged collateral may also be impaired in the event the broker fails to comply with the terms of the contract. In such instances the Portfolio may not be able to substitute or sell the pledged collateral. Additionally, the Portfolio must maintain sufficient liquid assets (less any additional collateral held by or pledged to the broker), marked-to-market daily, to cover the short sale obligation. This may limit the Portfolio's investment flexibility, as well as its ability to meet redemption requests or other current obligations.

By investing the proceeds received from selling securities short, the Portfolio could be deemed to be employing a form of leverage, which creates special risks. The use of leverage may increase the Portfolio's exposure to long positions and make any change in the Portfolio's net asset value greater than it would be without the use of leverage. This could result in increased volatility of returns. There is no guarantee that the Portfolio will leverage its portfolio, or if it does, that the Portfolio's leveraging strategy will be successful or that it will produce a higher return on an investment.

Hard Assets Risk: The Portfolio may be subject to greater risks and market fluctuations than a fund whose portfolio has exposure to a broader range of industries. The Portfolio may be susceptible to financial, economic, political, or market events, as well as government regulation, impacting the hard assets industries (such as the energy and metals industries). Securities of issuers in the precious metals and other hard assets industries are at times volatile and there may be sharp fluctuations in prices, even during periods of rising prices.

Concentration Risk: Because the Portfolio concentrates its investments in the securities of "hard assets" companies and instruments that derive their value from hard assets, the Portfolio may be subject to greater risks and market fluctuations than a fund whose portfolio has exposure to a broader range of industries. The Portfolio is particularly susceptible to financial, economic, political, or market events, as well as government regulation, impacting these companies and instruments, such as volatility in the prices of energy and metals resources. The Portfolio is subject to the risk that: (1) its performance will be closely tied to the performance of those particular companies and instruments; (2) its performance will be adversely impacted when such companies and instruments experience a downturn; and (3) it will perform poorly during a slump in demand for securities of such companies or for such instruments.

Liquidity and Valuation Risk: The Portfolio's investments may be illiquid at the time of purchase or liquid at the time of purchase and subsequently become illiquid due to, among other things, events relating to the issuer of the securities, market events, operational issues, economic conditions, investor perceptions or lack of market participants. The lack of an active trading market may make it difficult to sell or obtain an accurate price for a security. If market conditions or issuer specific developments make it difficult to value securities, the Portfolio may value these securities using more subjective methods, such as fair value pricing. In such cases, the value determined for a security could be different than the value realized upon such security's sale. As a result, an investor could pay more than the market value when buying shares or receive less than the market value when selling shares. This could affect the proceeds of any redemption or the number of shares an investor receives upon purchase.

The Portfolio is subject to the risk that it could not meet redemption requests within the allowable time period without significant dilution of remaining investors' interests in the Portfolio. To meet redemption requests or to raise cash to pursue other investment opportunities, the Portfolio may be forced to sell securities at an unfavorable time and/or under unfavorable conditions, which may adversely affect the Portfolio.

Exchange-Traded Fund Risk: The risks of owning an ETF generally reflect the risks of owning the securities in which the ETF invests or is designed to track, although lack of liquidity in an ETF could result in it being more volatile than its underlying portfolio securities. Disruptions in the markets for the securities underlying ETFs purchased or sold by the Portfolio could result in losses on the Portfolio's investment in ETFs. ETFs also have management fees and transaction costs that may make them more expensive than owning the underlying securities directly.

Rights and Warrants Risk: Rights and warrants may provide a greater potential for profit or loss than an equivalent investment in the underlying securities. Prices of these investments do not necessarily move in tandem with the prices of the underlying securities, and warrants are speculative investments. If a right or warrant is not exercised by the date of its expiration, the Portfolio will lose its entire investment in such right or warrant.

Past Performance

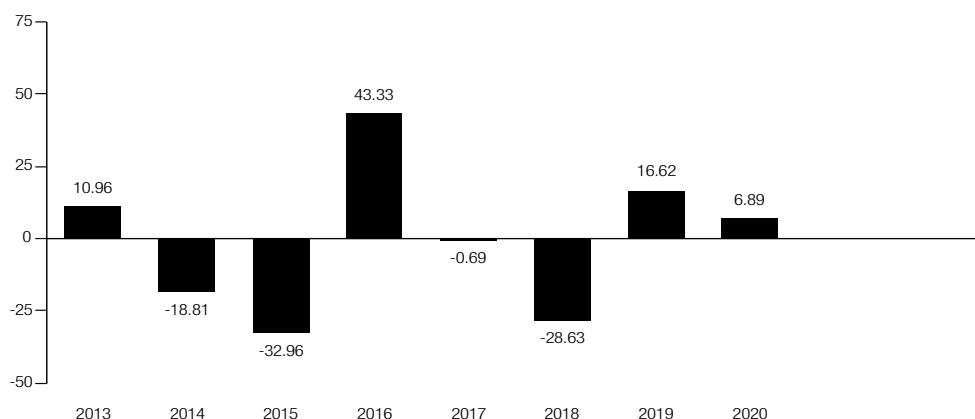
The following bar chart and table indicate some of the risks of investing in the Portfolio. The bar chart shows you how the Portfolio's calendar year performance has varied over time. The average annual total returns table shows how the Portfolio's average annual total returns compare to those of a broad-based securities market index. Separate variable annuity and variable universal life insurance account and policy fees and charges are not reflected in

the bar chart and table. If they were, returns would be less than those shown. The Portfolio has selected the S&P Global Natural Resources Index as its primary benchmark. The S&P Global Natural Resources Index includes 90 of the largest publicly-traded companies in natural resources and commodities businesses that meet specific investability requirements, offering investors diversified and investable equity exposure to agribusiness, energy, and metals & mining.

Past performance is not necessarily an indication of how the Portfolio will perform in the future. The Portfolio replaced its subadvisor, changed its investment objective and modified its principal investment strategies as of November 30, 2018. The past performance in the bar chart and table prior to that date reflects the Portfolio's prior subadvisor, investment objective and principal investment strategies.

Annual Returns, Initial Class Shares

(by calendar year 2013-2020)



Best Quarter

Q2/2020	26.84%
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Worst Quarter

Q1/2020	-36.17%
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Average Annual Total Returns (for the periods ended December 31, 2020)

	Inception	1 Year	5 Years	Since Inception
Initial Class	2/17/2012	6.89%	4.84%	-4.02%
S&P Global Natural Resources Index (reflects no deductions for fees, expenses, or taxes)		0.68%	10.85%	1.40%

Management

New York Life Investment Management LLC serves as the Portfolio's Manager. Mellon Investments Corporation serves as the Subadvisor. The individual listed below is primarily responsible for the day-to-day portfolio management of the Portfolio.

Subadvisor	Portfolio Managers	Portfolio Service Date
Mellon Investments Corporation	Albert Chu, CFA, Director, Senior Research Analyst	Since 2020
	David S. Intoppa, Director, Senior Research Analyst	Since 2020
	Brock Campbell, CFA, Director, Head of Equity Research	Since 2020

How to Purchase and Sell Shares

Shares of the Portfolio are currently offered to certain separate accounts to fund variable annuity policies and variable universal life insurance policies issued by New York Life Insurance and Annuity Corporation ("NYLIAC") and may also be offered to fund variable annuity policies and variable universal life insurance policies issued by other insurance companies. Shares of the Portfolio are also offered as underlying investments of the MainStay VP Asset Allocation Portfolios ("Asset Allocation Portfolios") and other variable insurance funds.

Individual investors do not transact directly with the Portfolio to purchase and redeem shares. Rather, investors select underlying investment options offered by the applicable policy. Please refer to the prospectus for the variable annuity policy or variable universal life insurance policy that offers the Portfolio as an underlying investment option for information on the allocation of premium payments and on transfers among the investment divisions of the separate account.

Tax Information

Because the Portfolio's shareholders are the separate accounts of NYLIAC or other insurance companies through which you purchased your variable annuity policy or variable universal life insurance policy and the Asset Allocation Portfolios and other variable insurance funds, no discussion is included here as to the federal income tax consequences at the shareholder level. For information concerning the federal income tax consequences to variable annuity and variable universal life insurance policy owners, consult the prospectus relating to the appropriate policy.

Compensation to Broker/Dealers and Other Financial Intermediaries

The Portfolio and/or its related companies may pay NYLIAC or other participating insurance companies, broker/dealers, or other financial intermediaries for the sale of Portfolio shares and related services. These payments may create a conflict of interest by influencing the broker/dealer or other financial

intermediary or your sales person to recommend the Portfolio over another investment and/or a policy that offers this Portfolio over another investment. Ask your individual salesperson or visit your broker/dealer's or other financial intermediary firm's website for more information. For additional information about these payments, please see the section entitled "The Fund and its Management" in the Prospectus.

"New York Life Investments" is both a service mark, and the common trade name, of certain investment advisors affiliated with New York Life Insurance Company.

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