



## MainStay VP CBRE Global Infrastructure Portfolio

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](http://newyorklifeinvestments.com), by calling 800-598-2019 or by sending an e-mail to [MainStayShareholderServices@nylim.com](mailto:MainStayShareholderServices@nylim.com). The Portfolio's Prospectus and Statement of Additional Information, both dated May 1, 2023, as may be amended from time to time, are incorporated by reference into this Summary Prospectus.

### Investment Objective

The Portfolio seeks total return.

### 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	Service Class
<b>Annual Portfolio Operating Expenses</b> (fees paid directly from your investment)		
Management Fees (as an annual percentage of the Portfolio's average daily net assets) <sup>1</sup>	0.85%	0.85%
Distribution and Service (12b-1) Fees	None	0.25%
Other Expenses	0.28%	0.28%
<b>Total Annual Portfolio Operating Expenses</b>	1.13%	1.38%
Waiver / Reimbursement <sup>2</sup>	(0.18)%	(0.18)%
<b>Total Annual Portfolio Operating Expenses After Waivers / Reimbursements<sup>2</sup></b>	0.95%	1.20%

1. The management fee is as follows: 0.85% on assets up to \$3 billion; and 0.84% on assets over \$3 billion.

2. New York Life Investment Management LLC ("New York Life Investments") has contractually agreed to waive fees and/or reimburse expenses so that Total Annual Portfolio Operating Expenses (excluding taxes, interest, litigation, extraordinary expenses, brokerage and other transaction expenses relating to the purchase or sale of portfolio investments, and acquired (underlying) portfolio/fund fees and expenses) of Initial Class shares and Service Class shares do not exceed 0.95% and 1.20%, respectively, of the Portfolio's average daily net assets. This agreement will remain in effect until May 1, 2024, and shall renew automatically for one-year terms unless New York Life Investments provides written notice of termination prior to the start of the next term or upon approval of the Board of Trustees of the Portfolio.

### 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	\$ 97	\$ 341	\$ 605	\$ 1,359
Service Class	\$ 122	\$ 419	\$ 738	\$ 1,642

### 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 54% of the average value of its portfolio.

### Principal Investment Strategies

Under normal circumstances, the Portfolio invests at least 80% of its assets (net assets plus borrowings for investment purposes) in securities issued by infrastructure companies. The Portfolio expects to invest primarily in equity securities of companies located in a number of different countries, including the United States.

Under normal market conditions, the Portfolio will invest more than 25% of the value of its total assets at the time of purchase in the securities of issuers conducting their business activities in the infrastructure group of industries. The Portfolio's Subadvisor, CBRE Investment Management Listed Real Assets LLC, defines an infrastructure company as a company that derives at least 50% of its revenues or profits from, or devotes at least 50% of its assets to, the ownership, management, development, construction, renovation, enhancement, or operation of infrastructure assets or the provision of services to

companies engaged in such activities. Examples of infrastructure assets include transportation assets (such as toll roads, bridges, railroads, airports, and seaports), utility assets (such as electric transmission and distribution lines, gas distribution pipelines, water pipelines and treatment facilities, and sewer facilities), energy assets (such as oil and gas pipelines, storage facilities, and other facilities used for gathering, processing, or transporting hydrocarbon products as well as contracted renewable power assets), and communications assets (such as communications towers, data centers, fiber networks, and satellites).

Under normal circumstances, the Portfolio invests primarily in common stock, but may also invest in other equity securities including preferred stocks, convertible securities, rights or warrants to buy common stocks, and depository receipts with characteristics similar to common stock. The Portfolio may also invest up to 25% of its net assets in master limited partnerships.

The Portfolio may invest in other investment companies, including exchange-traded funds.

Under normal market conditions, the Portfolio will invest a significant amount of its net assets (at least 40%, unless the Subadvisor deems market conditions to be unfavorable, in which case the Portfolio will invest at least 30%) in foreign securities. An issuer of a security is considered to be a U.S. or foreign issuer based on the issuer's "country of risk" (or similar designation) as determined by a third party such as Bloomberg. The Portfolio will normally invest in companies located in at least three countries outside of the United States.

The Portfolio may invest up to 30% of its assets in securities of issuers in emerging markets. The Subadvisor defines emerging market countries as those countries that are included in the MSCI Emerging Markets Index. The Portfolio's investments may be denominated in U.S. dollars, non-U.S. currencies, or multinational currency units. The Portfolio may hedge its currency exposure to securities denominated in non-U.S. currencies. The Portfolio may invest in securities of companies of any market size.

**Investment Process:** The Subadvisor uses a multi-step investment process for constructing the Portfolio's investment portfolio that combines top-down geographic region and infrastructure sector allocation with bottom-up individual stock selection. The Subadvisor first selects infrastructure sectors in certain geographic regions in which to invest, and determines the degree of representation in the portfolio of such sectors and regions, through a systematic evaluation of the regulatory environment and economic outlook, capital market trends, macroeconomic conditions, and the relative value of infrastructure sectors. The Subadvisor then uses an in-house valuation process to identify infrastructure companies whose risk-adjusted returns it believes are compelling relative to their peers. The Subadvisor's in-house valuation process examines several factors, including the company's management and strategy, the stability and growth potential of cash flows and dividends, the location of the company's assets, the regulatory environment in which the company operates; environmental, social and governance ("ESG") considerations; and the company's capital structure.

The Subadvisor includes ESG considerations as one of the factors in its analysis to assess a company's exposure to, and ability to manage, ESG-related risk. ESG factors are assessed based on internal research and information from an independent global provider of ESG and corporate governance research. The Subadvisor's approach and implementation of all factors – including ESG – is applied consistently across all investments and industries and does not change based on the size of the company or potential position size. As ESG considerations are one of several factors in the Subadvisor's analysis, the Subadvisor generally will not forgo potential investments strictly based on evaluation of ESG factors.

The Subadvisor may sell securities for a variety of reasons, such as to secure gains, limit losses, or redeploy assets into opportunities believed to be more promising, among others.

## 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:** Changes in markets may cause the value of investments to fluctuate, 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 as a result of various market and economic factors for potentially prolonged periods that may result in: (i) increased market volatility; (ii) reduced market liquidity; and (iii) increased redemptions of shares. Such conditions may add significantly to the risk of volatility in the net asset value of the Portfolio's shares.

**Portfolio Management Risk:** The investment strategies, practices and risk analyses used by the Subadvisor may not produce the desired results or expected returns. The Subadvisor may give consideration to certain ESG criteria when evaluating an investment opportunity. The application of ESG criteria may result in the Portfolio (i) having exposure to certain securities or industry sectors that are significantly different than the composition of the Portfolio's benchmark; and (ii) performing differently than other funds and strategies in its peer group that do not take into account ESG criteria or the Portfolio's benchmark.

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.

**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 ability to anticipate such changes that can adversely affect the value of portfolio holdings.

**Infrastructure Investment Risk:** The Portfolio's investments in infrastructure-related securities expose the Portfolio to potential adverse economic, regulatory, political, legal and other changes affecting such investments. Issuers of securities in infrastructure-related businesses are subject to a variety of factors that may adversely affect their business or operations, including high interest costs in connection with capital construction programs, high leverage, costs associated with environmental or other regulations and the effects of economic slowdowns. Rising interest rates could lead to higher financing costs and reduced earnings for infrastructure companies/issuers.

**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.

**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.

**Preferred Stock Risk:** Preferred stock is subject to many of the risks associated with debt securities, including interest rate risk. In addition, preferred stocks may not pay dividends, an issuer may suspend payment of dividends on preferred stock at any time, and in certain situations an issuer may call or redeem its preferred stock or convert it to common stock. To the extent that the Portfolio invests a substantial portion of its assets in convertible preferred stocks, declining common stock values may also cause the value of the Portfolio's investments to decline.

**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.

**Master Limited Partnership ("MLP") Risk:** MLPs carry many of the risks inherent in investing in a partnership. State law governing partnerships is often less restrictive than state law governing corporations. Accordingly, there may be fewer protections afforded investors in a MLP. Limited partners may also have more limited control and limited rights to vote on matters affecting the MLP.

**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 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. Economic sanctions may be, and have been, imposed against certain countries, organizations, companies, entities and/or individuals. Economic sanctions and other similar governmental actions or developments could, among other things, effectively restrict or eliminate the Portfolio's ability to purchase or sell certain foreign securities or groups of foreign securities, and thus may make the Portfolio's investments in such securities less liquid or more difficult to value. Such sanctions may also cause a decline in the value of securities issued by the sanctioned country or companies located in or economically tied to the sanctioned country. In addition, as a result of economic sanctions and other similar governmental actions or developments, the Portfolio may be forced to sell or otherwise dispose of foreign investments at inopportune times or prices. The Portfolio may seek to hedge against its exposure to changes in the value of foreign currency, but there is no guarantee that such hedging techniques will be successful in reducing any related foreign currency valuation risk. These risks may be greater with respect to securities of companies that conduct their business activities in emerging markets or whose securities are traded principally in emerging markets.

**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) 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 wars, sanctions, trade restrictions, 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.

**Investments in Other Investment Companies Risk:** The Portfolio's investment in another investment company may subject the Portfolio indirectly to the risks of that investment company. The Portfolio also will bear its share of the underlying investment company's fees and expenses, which are in addition to the Portfolio's own fees and expenses.

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

**Market Capitalization Risk:** Investments in securities issued by small-, mid-, or large-cap companies 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.

**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's performance. These risks are heightened for fixed-income instruments when interest rates are low or rapidly increasing.

**Concentration Risk:** Because the Portfolio concentrates its investments in the securities of issuers conducting their business activities in the infrastructure group of industries, 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 the infrastructure group of industries, including high interest costs in connection with capital construction programs, high leverage, costs associated with environmental or other regulations and the effects of economic slowdowns. The Portfolio is subject to the risk that: (i) its performance will be closely tied to the performance of those particular industries; (ii) its performance will be adversely impacted when such industries experience a downturn; and (iii) it will perform poorly during a slump in demand for securities of companies in such industries.

## Past Performance

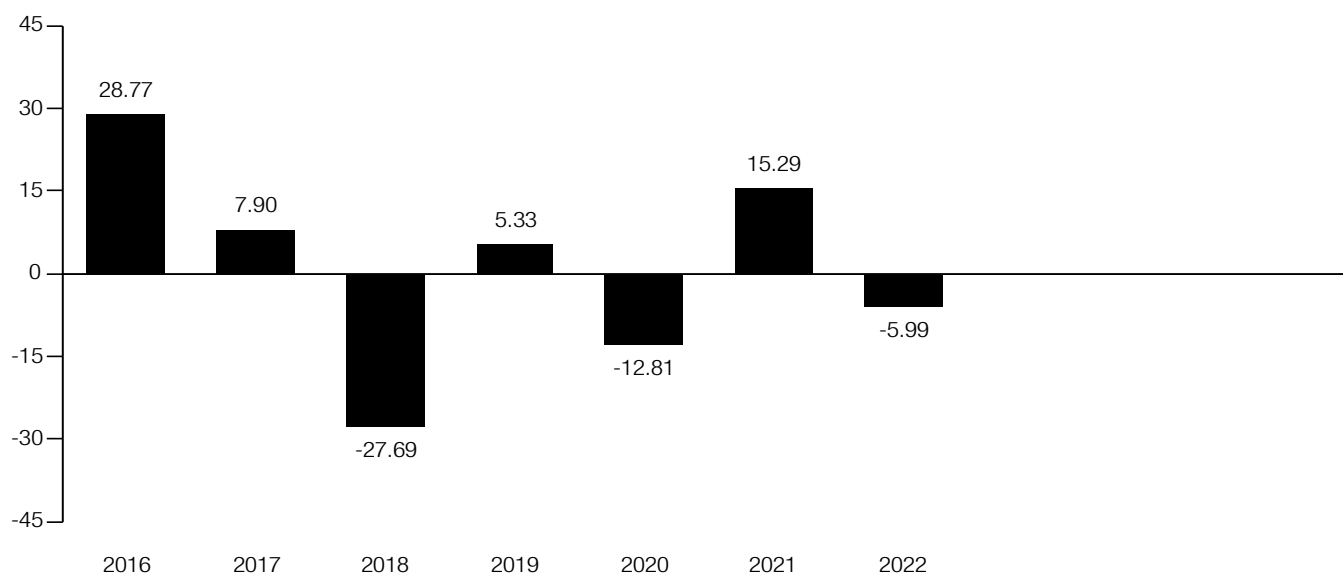
The following bar chart and table provide some indication of the risks of investing in the Portfolio by showing changes in the Portfolio's performance from year to year and by showing how the Portfolio's average annual returns compare with those of a broad-based securities market index over time. Separate 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 FTSE Global Core Infrastructure 50/50 Index (Net) as its primary benchmark.

Index returns reflect no deductions for fees, expenses or taxes, except for foreign withholding taxes where applicable.

Performance data for the classes varies based on differences in their fee and expense structures. Past performance is not necessarily an indication of how the Portfolio will perform in the future. Effective February 28, 2020, the Portfolio replaced its subadvisor and modified its principal investment strategies. The past performance in the bar chart and table prior to that date reflects the Portfolio's prior subadvisor and principal investment strategies.

## Annual Returns, Initial Class Shares

(by calendar year 2016-2022)



### Best Quarter

2019, Q1	16.99%
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### Worst Quarter

2020, Q1	-28.97%
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## Average Annual Total Returns (for the periods ended December 31, 2022)

	Inception	1 Year	5 Years	Since Inception
Initial Class	5/1/2015	-5.99%	-6.36%	-3.44%
Service Class	5/1/2015	-6.22%	-6.60%	-3.68%
FTSE Global Core Infrastructure 50/50 Index (Net) <sup>1</sup>		-4.87%	4.72%	5.38%

1. The FTSE Global Core Infrastructure 50/50 Index (Net) is a market-capitalization-weighted index of worldwide infrastructure and infrastructure-related securities. Constituent weights are adjusted semi-annually according to three broad industry sectors: 50% utilities, 30% transportation, and a 20% mix of other sectors.

## Management

New York Life Investment Management LLC serves as the Manager. CBRE Investment Management Listed Real Assets LLC serves as the Subadvisor. The individuals listed below are jointly and primarily responsible for day-to-day portfolio management.

Subadvisor	Portfolio Managers	Service Date
CBRE Investment Management Listed Real Assets LLC	Jeremy Anagnos, CFA and CIO Infrastructure Division	Since 2020
	Joseph P. Smith, President, CFA and CIO Listed Real Assets	Since 2021
	Daniel Foley, CFA, Portfolio Manager	Since 2020
	Hinds Howard, Portfolio Manager	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.