

# Wealth Strategies Analysis

Prepared on October 30<sup>th</sup>, 2024  
for EMPLOYEES OF THE TOWN OF BETHEL

**FORTE MASON D'AMICO GROUP**

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WEST HARTFORD, CT

# Balance Sheet

Summary

Description	Total
■ Assets	\$41,513,284
Current Portfolio	\$41,513,284
875-XXX771	\$41,513,284
■ Net Worth	\$41,513,284

‡ Accounts displayed are custodied outside Morgan Stanley or manually added in 3D by the Financial Advisor team.  
For use only in one-on-one presentations.

# Assumptions

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## Summary

### Portfolios

	Value	Tax Status
Current Portfolio	\$41,513,284	Tax Exempt

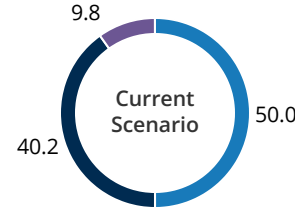
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The portfolios above are constructed using indices as proxies. Indices are unmanaged. It is not possible to invest directly in an index. Asset allocation does not assure a profit or protect against loss. Annual returns are shown gross of cash inflows, cash outflows, taxes and advisory fees. For use only in one-on-one presentations.

# Executive Summary

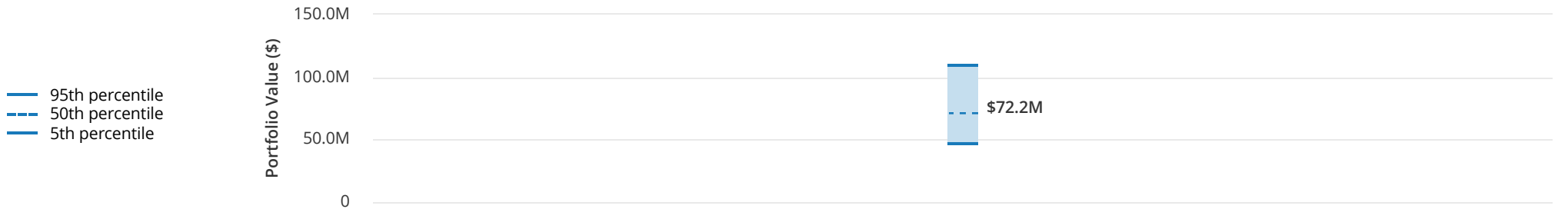
## Asset Allocations (%)

- Equities
- Fixed Income & Preferreds
- Alternatives



Assumptions	Current Scenario	
	Strategic	Secular
Annual Return	6.6 %	6.8 %
Standard Deviation	8.7 %	8.7 %
Sharpe Ratio	0.32	0.43
Annual Yield	3.3 %	2.8 %
Probability of Positive Return	78.1 %	79.0 %

## Performance Results: Year 2033



	Current Scenario
95th Percentile	\$109.1M
50th Percentile	\$72.2M
5th Percentile	\$46.4M

Important: The projections or other information generated by the Wealth Strategies Analysis Tool regarding the likelihood of various investment outcomes are hypothetical in nature, do not reflect actual investment results, and are not guarantees of future results. Results generated by a Monte Carlo analysis will vary with each use and over time because each portfolio simulation is randomly generated. See Appendix for assumptions, asset class inputs, a glossary of terms, a description of the risks and disclosures. For use only in one-on-one presentations.

### Summary

- Equities
- Fixed Income & Preferreds
- Alternatives



Asset class	%	\$
<b>TOTAL</b>	<b>100.0</b>	<b>41,513,284</b>
■ <b>Equities</b>	<b>50.0</b>	<b>20,757,192</b>
<b>US Equities</b>	<b>34.2</b>	<b>14,180,452</b>
US Large Cap Growth	8.1	3,363,085
US Large Cap Value	8.9	3,712,252
US Mid Cap Growth	3.5	1,457,745
US Mid Cap Value	3.6	1,500,310
US Large Cap	4.5	1,869,001
US Small Cap	5.5	2,278,059
<b>International Equities</b>	<b>15.8</b>	<b>6,576,740</b>
International Equities	15.8	6,576,740
■ <b>Fixed Income &amp; Preferreds</b>	<b>40.2</b>	<b>16,670,388</b>
<b>Short Term Fixed Income</b>	<b>20.0</b>	<b>8,321,322</b>
Short Term Fixed Income	20.0	8,321,322
<b>US Fixed Income Taxable</b>	<b>20.1</b>	<b>8,349,066</b>
US Taxable Core	20.1	8,349,066
■ <b>Alternatives</b>	<b>9.8</b>	<b>4,085,704</b>
<b>Real Assets</b>	<b>9.8</b>	<b>4,085,704</b>
REITs	5.0	2,062,516
MLP/Energy Infrastructure	4.9	2,023,188

The portfolios above are constructed using indices as proxies. Indices are unmanaged. It is not possible to invest directly in an index. Asset allocation does not assure a profit or protect against loss. This analysis assumes that the Strategic Assumptions apply for the first 7 years and the Secular Assumptions apply thereafter. Annual returns are shown gross of cash inflows, cash outflows, taxes and advisory fees. Please refer to the Return Assumptions page of the appendix to view an important and relevant disclosure regarding return rates and fees. For use only in one-on-one presentations.

Summary

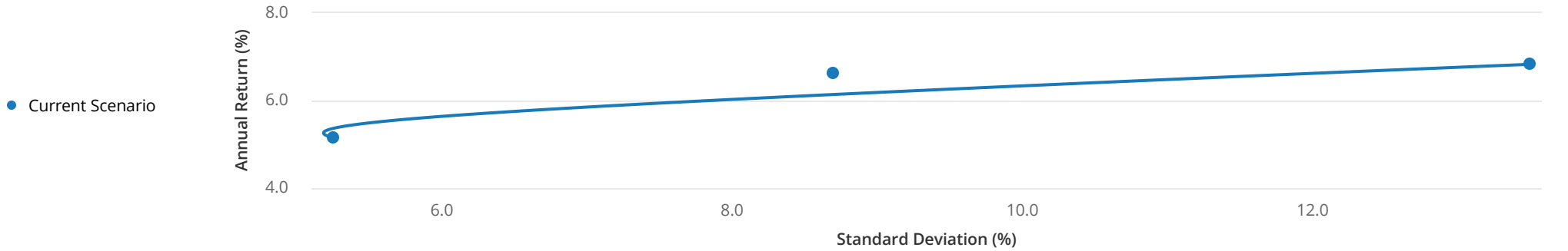
Assumptions	Current Scenario	
	Strategic	Secular
Annual Return	6.6%	6.8%
Standard Deviation	8.7%	8.7%
Sharpe Ratio	0.32	0.43
Annual Yield	3.3%	2.8%
Probability of Positive Return	78.1%	79.0%

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# Efficient Frontier

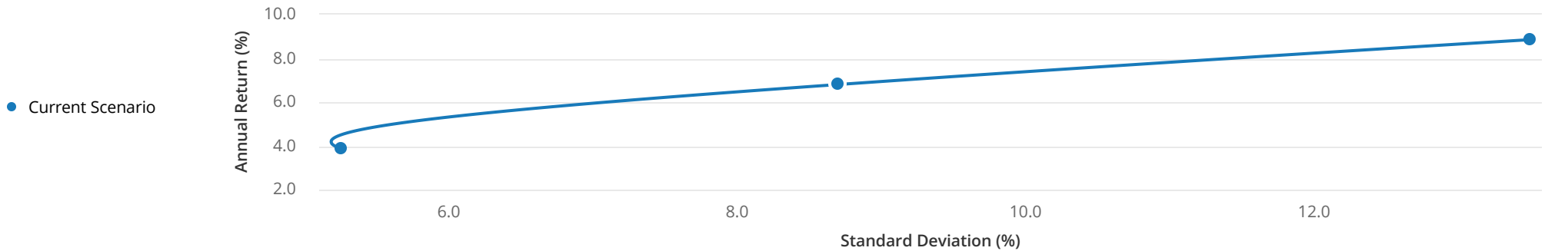
## Summary

### Strategic Assumptions



Current Scenario	
Annual Return	6.6%
Standard Deviation	8.7%
Sharpe Ratio	0.32
Annual Yield	3.3%

### Secular Assumptions

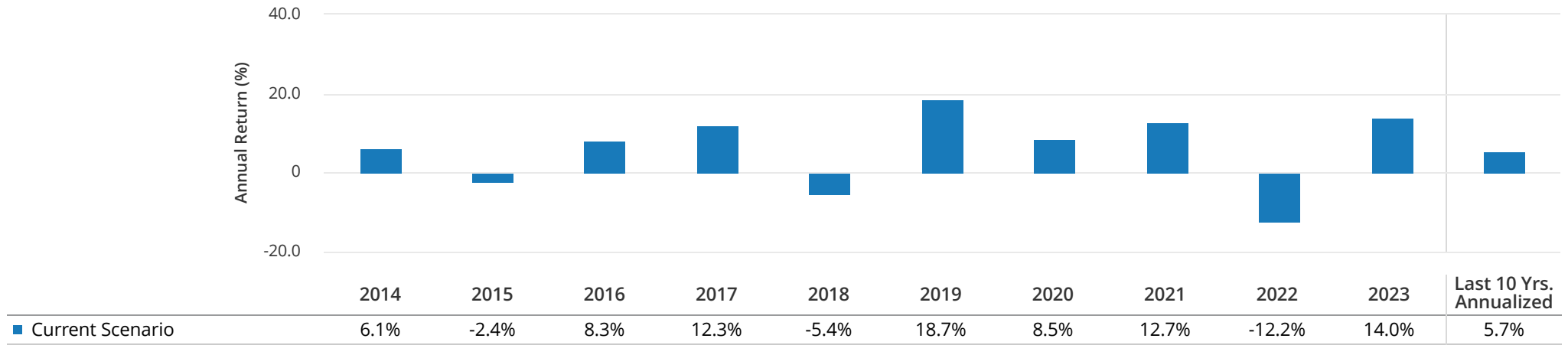


Current Scenario	
Annual Return	6.8%
Standard Deviation	8.7%
Sharpe Ratio	0.43
Annual Yield	2.8%

This analysis assumes that the Strategic Assumptions apply for the first 7 years and Secular Assumptions apply thereafter. Please refer to the Return Assumptions page of the appendix to view an important and relevant disclosure regarding return rates and fees. For use only in one-on-one presentations.

# Historical Performance (Last 10 Years)

Summary

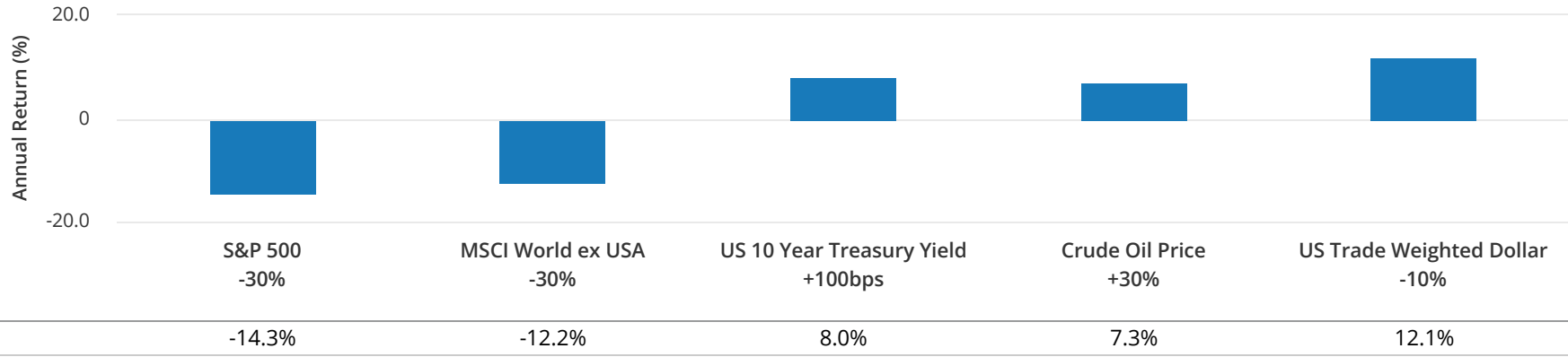


This section reflects the performance of the portfolio on an asset class basis in each of the last 10 years. Historical returns are shown gross of cash inflows, cash outflows, taxes and advisory fees. Past performance is no guarantee of future results. Please refer to the Return Assumptions page of the appendix to view an important and relevant disclosure regarding return rates and fees. For use only in one-on-one presentations.



# Market Scenarios

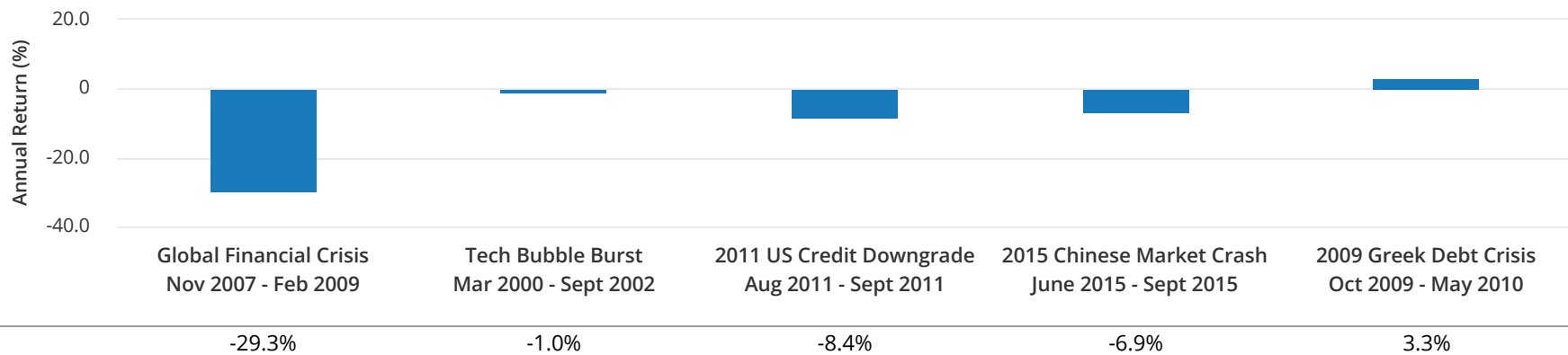
### Summary



Annual returns are shown gross of cash inflows, cash outflows, taxes and advisory fees. The market scenarios are changed independently of one another and tested one at a time. Concurrent market scenarios are not tested in this analysis. For use only in one-on-one presentations. For important information regarding the impact of expenses on performance please refer to the disclosures at the end of this material.

# Historical Scenarios

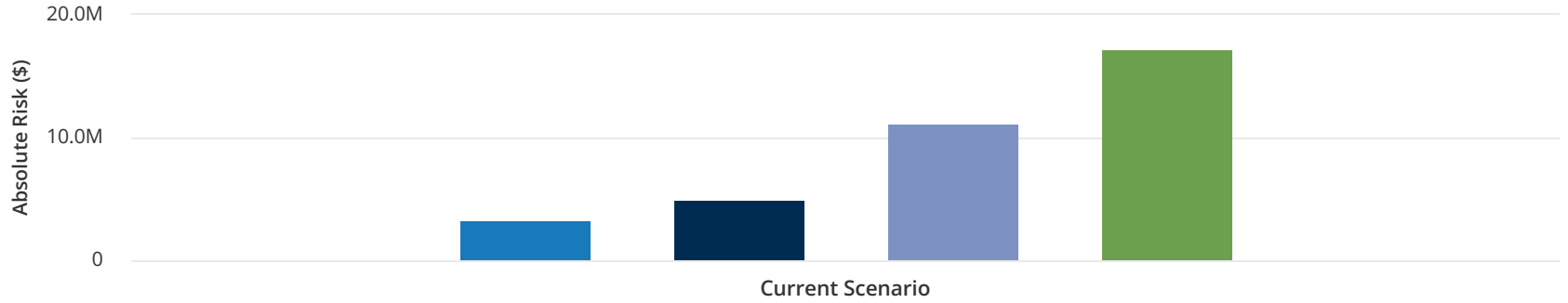
Summary



Annual returns are shown gross of cash inflows, cash outflows, taxes and advisory fees. The historical scenarios are changed independently of one another and tested one at a time. Concurrent historical scenarios are not tested in this analysis. For use only in one-on-one presentations. For important information regarding the impact of expenses on performance please refer to the disclosures at the end of this material.

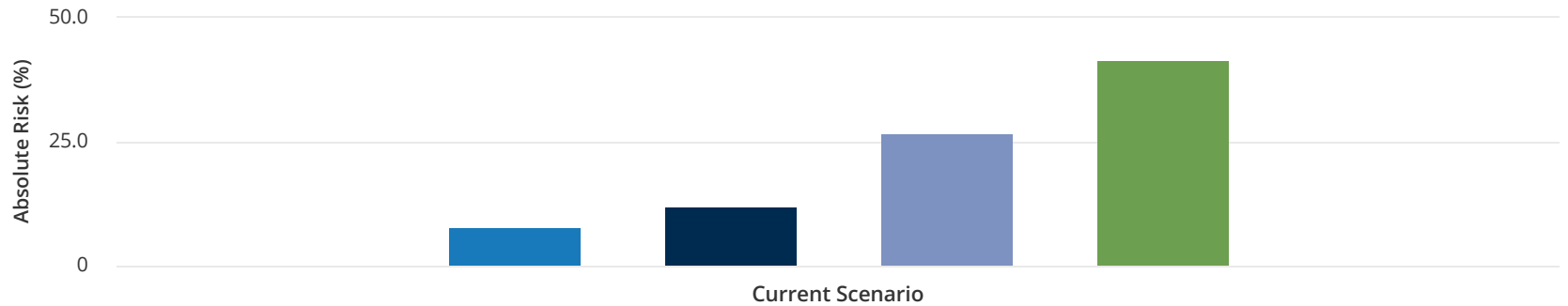
# Portfolio Risk

## Summary



## Dollar Risk

Value at Risk	\$3.3M
Expected Tail Loss	\$5.0M
Worst Trial	\$11.2M
Max Drawdown	\$17.3M



## Percentage Risk

Value at Risk	8.0%
Expected Tail Loss	12.1%
Worst Trial	26.9%
Max Drawdown	41.7%

Portfolio risk is shown gross of cash inflows, cash outflows, taxes and advisory fees. This analysis assumes that the Strategic Assumptions apply for the first 7 years and the Secular Assumptions apply thereafter. For use only in one-on-one presentations. For important information regarding the impact of expenses on performance please refer to the disclosures at the end of this material.

## Contribution to Risk and Return

## Summary

	Current Scenario		
	Asset Allocation	Return Contribution	Risk Contribution
■ <b>Equities</b>	<b>50.0%</b>	<b>62.8%</b>	<b>84.7%</b>
<b>US Equities</b>	<b>34.2%</b>	<b>48.0%</b>	<b>57.9%</b>
US Large Cap Growth	8.1%	11.4%	13.4%
US Large Cap Value	8.9%	11.1%	13.6%
US Mid Cap Growth	3.5%	5.8%	7.1%
US Mid Cap Value	3.6%	5.7%	6.2%
US Large Cap	4.5%	5.8%	6.9%
US Small Cap	5.5%	8.2%	10.8%
<b>International Equities</b>	<b>15.8%</b>	<b>14.8%</b>	<b>26.8%</b>
International Equities	15.8%	14.8%	26.8%
■ <b>Fixed Income &amp; Preferreds</b>	<b>40.2%</b>	<b>19.9%</b>	<b>0.2%</b>
<b>Short Term Fixed Income</b>	<b>20.0%</b>	<b>8.3%</b>	<b>-0.3%</b>
Short Term Fixed Income	20.0%	8.3%	-0.3%
<b>US Fixed Income Taxable</b>	<b>20.1%</b>	<b>11.6%</b>	<b>0.5%</b>
US Taxable Core	20.1%	11.6%	0.5%
■ <b>Alternatives</b>	<b>9.8%</b>	<b>17.3%</b>	<b>15.1%</b>
<b>Real Assets</b>	<b>9.8%</b>	<b>17.3%</b>	<b>15.1%</b>
REITs	5.0%	6.5%	8.0%
MLP/Energy Infrastructure	4.9%	10.8%	7.2%

Past performance is no guarantee of future results. For use only in one-on-one presentations.

# Return Assumptions

	Strategic Assumptions				Secular Assumptions			
	Annual Return	Standard Deviation	Sharpe Ratio	Yield	Annual Return	Standard Deviation	Sharpe Ratio	Yield
<b>Equities</b>	<b>6.8%</b>	<b>13.5%</b>	<b>0.22</b>	<b>2.0%</b>	<b>8.9%</b>	<b>13.5%</b>	<b>0.43</b>	<b>2.0%</b>
<b>US Equities</b>	<b>6.1%</b>	<b>14.9%</b>	<b>0.15</b>	<b>2.0%</b>	<b>9.4%</b>	<b>14.9%</b>	<b>0.43</b>	<b>2.0%</b>
US Large Cap Growth	6.0%	16.2%	0.13	1.2%	9.7%	16.2%	0.41	1.2%
US Large Cap Value	8.0%	14.4%	0.29	2.7%	9.2%	14.4%	0.42	2.7%
US Mid Cap Growth	7.5%	17.9%	0.20	1.3%	9.9%	17.9%	0.38	1.3%
US Mid Cap Value	8.8%	15.8%	0.31	2.2%	9.7%	15.8%	0.42	2.2%
US Large Cap	5.9%	14.5%	0.14	2.0%	9.3%	14.5%	0.43	2.0%
US Small Cap	8.9%	19.0%	0.26	1.5%	9.3%	19.0%	0.33	1.5%
<b>International Equities</b>	<b>7.7%</b>	<b>15.4%</b>	<b>0.25</b>	<b>2.1%</b>	<b>8.4%</b>	<b>15.4%</b>	<b>0.34</b>	<b>2.1%</b>
International Equities	7.7%	15.4%	0.25	2.1%	8.4%	15.4%	0.34	2.1%
<b>Fixed Income &amp; Preferreds</b>	<b>5.2%</b>	<b>5.3%</b>	<b>0.24</b>	<b>5.2%</b>	<b>3.9%</b>	<b>5.3%</b>	<b>0.15</b>	<b>3.9%</b>
<b>Short Term Fixed Income</b>	<b>5.0%</b>	<b>2.2%</b>	<b>0.50</b>	<b>5.0%</b>	<b>3.4%</b>	<b>2.2%</b>	<b>0.16</b>	<b>3.4%</b>
Short Term Fixed Income	5.0%	2.2%	0.50	5.0%	3.4%	2.2%	0.16	3.4%
<b>US Fixed Income Taxable</b>	<b>5.2%</b>	<b>5.3%</b>	<b>0.24</b>	<b>5.2%</b>	<b>3.9%</b>	<b>5.3%</b>	<b>0.15</b>	<b>3.9%</b>
US Taxable Core	5.2%	5.3%	0.24	5.2%	3.9%	5.3%	0.15	3.9%
<b>Alternatives</b>	<b>6.6%</b>	<b>8.0%</b>	<b>0.35</b>	<b>0.0%</b>	<b>6.4%</b>	<b>8.0%</b>	<b>0.42</b>	<b>0.0%</b>
<b>Real Assets</b>	<b>7.2%</b>	<b>12.3%</b>	<b>0.27</b>	<b>2.3%</b>	<b>6.6%</b>	<b>12.3%</b>	<b>0.29</b>	<b>2.3%</b>
REITs	6.7%	16.1%	0.18	2.8%	7.2%	16.1%	0.25	2.8%
MLP/Energy Infrastructure	10.3%	17.4%	0.37	4.1%	9.0%	17.4%	0.34	4.1%

The Strategic Assumptions represent a time horizon of 7 years while the Secular Assumptions represent a time horizon of 20+ years. In the Linear Growth and Monte Carlo analyses the Strategic Assumptions apply for the first 7 years and the Secular Assumptions for each year thereafter. These assumptions are used for modeling purposes only. They are not guarantees of future returns.

The assumed return rates in the Wealth Strategies Analysis are not reflective of any specific investment, do not include any fees or expenses that may be incurred by investing in specific products, nor all costs that you will incur when you implement your investment strategy. The return assumptions and hypothetical illustrations herein may be impacted after applying such costs, which may include investment advisory program fees up to a maximum of 2.0%, sub-manager fees, brokerage commissions, sales load or other expenses, which will depend on whether you choose a brokerage or an advisory relationship. The actual returns of a specific investment may be more or less than the asset class return assumptions used in the Wealth Strategies Analysis. It is not possible to invest directly in an index. The index performance shown does not reflect the impact of any taxes, transaction costs, management fees or other expenses that may be associated with certain investments. Indices are unmanaged. The Capital Market Assumptions applied in this analysis were defined by the firm's Global Investment Committee and were published in the "Inputs for GIC Asset Allocation: Annual Update of GIC Capital Market Assumptions" on March 27th, 2024. For use only in one-on-one presentations.

# Correlation Assumptions

	US Equities	International Equities	Short Term Fixed Income	US Fixed Income Taxable	Real Assets
US Equities	1.00	0.59	0.15	0.24	0.67
International Equities		1.00	0.11	0.17	0.53
Short Term Fixed Income			1.00	0.84	0.16
US Fixed Income Taxable				1.00	0.21
Real Assets					1.00

The strategic and secular assumptions have the same correlations.

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# Fee Assumptions

## Current Scenario

	Current Portfolio
<b>■ Equities</b>	<b>0.69%</b>
<b>US Equities</b>	<b>0.69%</b>
US Large Cap Growth	0.69%
US Large Cap Value	0.69%
US Mid Cap Growth	0.69%
US Mid Cap Value	0.69%
US Large Cap	0.69%
US Small Cap	0.69%
<b>International Equities</b>	<b>0.69%</b>
International Equities	0.69%
<b>■ Fixed Income &amp; Preferreds</b>	<b>0.69%</b>
<b>Short Term Fixed Income</b>	<b>0.69%</b>
Short Term Fixed Income	0.69%
<b>US Fixed Income Taxable</b>	<b>0.69%</b>
US Taxable Core	0.69%
<b>■ Alternatives</b>	<b>0.69%</b>
<b>Real Assets</b>	<b>0.69%</b>
REITs	0.69%
MLP/Energy Infrastructure	0.69%

The assumed return rates in the Wealth Strategies Analysis are not reflective of any specific investment, do not include any fees or expenses that may be incurred by investing in specific products, nor all costs that you will incur when you implement your investment strategy. The return assumptions and hypothetical illustrations herein may be impacted after applying such costs, which may include investment advisory program fees up to a maximum of 2.0%, sub-manager fees, brokerage commissions, sales load or other expenses, which will depend on whether you choose a brokerage or an advisory relationship. The actual returns of a specific investment may be more or less than the asset class return assumptions used in the Wealth Strategies Analysis. If included in this analysis, annual fees are hypothetical in nature and do not reflect any specific expenses or fees that might actually be incurred in your portfolio. We include them here to reflect that expenses and fees may impact portfolio Indices are unmanaged. The Capital Market Assumptions applied in this analysis were defined by the firm's Global Investment Committee and were published in the "Inputs for GIC Asset Allocation: Annual Update of GIC Capital Market Assumptions" on March 27th, 2024. For use only in one-on-one presentations.

## Asset Class Assumptions

	Benchmark	Data History
<b>Equities</b>	<b>MSCI All-Country World (USD, Net)</b>	<b>1979 - 2023</b>
<b>US Equities</b>	<b>Russell 3000</b>	<b>1979 - 2023</b>
US Large Cap Growth	Russell 1000 Growth	1979 - 2023
US Large Cap Value	Russell 1000 Value	1979 - 2023
US Mid Cap Growth	Russell Midcap Growth	1979 - 2023
US Mid Cap Value	Russell Midcap Value	1979 - 2023
US Large Cap	S&P 500	1979 - 2023
US Small Cap	Russell 2000	1979 - 2023
<b>International Equities</b>	<b>MSCI World ex-US (USD, Net)</b>	<b>1971 - 2023</b>
International Equities	MSCI World ex-US (USD, Net)	1971 - 2023
<b>Fixed Income &amp; Preferreds</b>	<b>Bloomberg US Aggregate</b>	<b>1970 - 2023</b>
<b>Short Term Fixed Income</b>	<b>Bloomberg US One- to Three-Year Government/Credit</b>	<b>1970 - 2023</b>
Short Term Fixed Income	Bloomberg US One- to Three-Year Government/Credit	1990 - 2023
<b>US Fixed Income Taxable</b>	<b>Bloomberg US Aggregate</b>	<b>1970 - 2023</b>
US Taxable Core	Bloomberg US Aggregate	1970 - 2023
<b>Alternatives</b>	<b>HFRI Fund-Weighted Composite</b>	<b>1970 - 2023</b>
<b>Real Assets</b>	<b>Equal-Weighted Blend: Bloomberg Commodity; Alerian Midstream Energy Select; FTSE EPRA/NAREIT Global (USD)</b>	<b>1970 - 2023</b>
REITs	FTSE EPRA/NAREIT Global (USD)	1985 - 2023
MLP/Energy Infrastructure	Alerian Midstream Energy Select	1990 - 2023

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# Methodology

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Morgan Stanley Wealth Management, in conjunction with your Financial Advisor as well as other resources across Morgan Stanley, has prepared this presentation. The presentation was designed to illustrate the risk and return characteristics of various portfolios when taking into account cash considerations. Each analysis is unique and although no individual analysis can completely describe the risk and return characteristics of a portfolio, the combination of these analyses can assist clients in arriving at an appropriate wealth strategy.

**Expected Returns, Standard Deviations and Correlations:** Return assumptions are established by the Morgan Stanley Global Investment Committee. The Global Investment Committee utilizes an equilibrium approach to generate expected returns, standard deviations and correlations for each asset class. We believe that by analyzing current and historical economic conditions and market trends, and then making projections of future economic growth, inflation, real yields for each country, we can estimate the equilibrium performance for an asset class. The equilibrium return is simply the central tendency around which market returns tend to fluctuate over a very long period of time. It is possible that actual returns will vary considerably from this equilibrium, even for a number of years, but we believe that market returns will eventually return to their equilibrium trend.

**Monte Carlo Analysis:** Monte Carlo simulation is an analytical technique which uses several iterations of hypothetical events. Statistics on the distribution of results can help infer which simulated variables are more likely. When simulating hypothetical asset class performance, we utilize Morgan Stanley's expected returns, standard deviations and correlations for each asset class. Small changes in these assumptions may have a sizable impact on the results. As such, the analysis is provided only for general guidance about asset allocation. There can be no assurances that the Monte Carlo-simulated results will be achieved or sustained. Your actual results will surely vary. For example, our simulations don't account for fees or transaction costs, which may be charged when you invest in an actual portfolio of securities. However, the goal of the Monte Carlo analysis is not 100% accurate forecasting, but rather to allow investors to make better, more informed decisions.

**Asset Allocations:** Unless otherwise stated, this analysis assumes that asset allocations remain constants and achieve the return and standard deviation assumptions over the period in which they are invested.

Important: The projections or other information generated by the Wealth Strategies Analysis Tool regarding the likelihood of various investment outcomes are hypothetical in nature, do not reflect actual investment results, and are not guarantees of futures results. Results generated by a Monte Carlo analysis will vary with each use and over time because each portfolio simulation is randomly generated. For use only in one-on-one presentations.

# Glossary

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**Annual Return:** The arithmetic average return that is expected to be achieved in a given year.

**Expected Performance:** Performance assuming that portfolios achieve their annual return assumption each year in which they are invested.

**Expected Tail Loss:** The average expected 1-year portfolio loss, at a 95% confidence level, if an extraordinarily bad event does occur.

**Sharpe Ratio:** This calculation measures a ratio of return above the risk free rate to volatility.

**Standard Deviation:** A statistical measure of the degree to which an individual value in a probability distribution tends to vary from the mean of the distribution.

**Value at Risk:** The maximum expected 1-year portfolio loss, at a 95% confidence level, if an extraordinarily bad event does not occur.

**Worst Trial:** This is defined as the worst hypothetical performance of the portfolio in a given year. While it's always possible, albeit with an infinitely small chance, that a portfolio could lose all its money in a year, this is the most the portfolio lost in all the iterations of the first year of the Monte Carlo simulation.

**Max Drawdown:** Similar to the worst trial, this is the worst hypothetical performance of the portfolio, but not limited to a single year - it's a potential total loss over the course of the plan.

# Risk of Different Investments

Different security types and asset classes carry different risks of investment.

**Small/Mid Caps U.S. Equity:** Investing in smaller companies involves greater risks not associated with investing in more established companies, such as business risk, significant stock price fluctuations and illiquidity.

**International/Emerging Markets:** International investing entails greater risk, as well as greater potential rewards compared to U.S. investing. These risks include potential and economic uncertainties of foreign countries as well as the risk of currency fluctuations. These risks are magnified in countries with emerging markets, since these countries may have relatively unstable governments and less established markets and economics.

**Fixed Income:** Fixed Income Securities are subject to interest rate risk, credit risk, prepayment risk, market risk, and reinvestment risk. Fixed Income Securities, if held to maturity, may provide a fixed rate of return and a fixed principal value. Fixed Income Securities prices fluctuate and when redeemed, may be worth more or less than their original cost.

**High Yield Bonds:** High Yield Fixed Income Investments, also known as junk bonds, are considered speculative, involve greater risk of default and tend to be more volatile than investment grade fixed income securities.

**Hedge Funds:** Hedge funds are appropriate only for long-term, qualified investors. They are generally illiquid, not tax efficient, and have higher fees than many traditional investments. They may also be highly leveraged and engage in speculative investment techniques which can magnify the potential for investment loss or gain.

**REITS:** REITs investing risks are similar to these associated with direct investments in real estate; lack of liquidity, limited diversification, and sensitivity to economic factors such as interest rate charges and market recessions.

**Private Equity:** Private equity interests may be highly illiquid, involve a high degree of risk and be subject to transfer restrictions.

**TIPS:** Because the return of TIPS is linked to inflation, TIPS may significantly underperform vs. fixed return treasuries in times of low inflation.

**Managed Futures:** Managed futures investments are speculative, involve a high degree of risk, use significant leverage, are generally illiquid, have substantial charges, subject investors to conflicts of interest, and are appropriate only for the risk capital portion of an investor's portfolio. Before investing in any partnership and in order to make an informed decision, investors should read the applicable prospectus and/or offering documents carefully for additional information, including charges, expenses and risks. Investors should read the prospectus and/or offering documents carefully for additional information, including charges, expenses and risks. Managed futures investments do not replace equities or bonds but rather may act as a complement in a well diversified portfolio.

**Commodities:** Investing in commodities entails significant risks. Commodity prices may be affected by a variety of factors at any time, including but not limited to, changes in supply and demand relationships, (ii) governmental programs and policies, (iii) national and international political and economic events, war and terrorist events, (iv) changes in interest and exchange rates, (v) trading activities in commodities and related contracts, (vi) pestilence, technological change and weather, and (vii) the price volatility of a commodity. In addition, the commodities markets are subject to temporary distortions or other disruptions due to various factors, including lack of liquidity, participation of speculators and government intervention.

**MLPs:** Investment in MLPs entails different risks, including tax risks, than is the case for other types of investments. Currently, most MLPs operate in the energy, natural resources or real estate sectors. Investments in MLP interests are subject to the risks generally applicable to companies in these sectors (including commodity pricing risk, supply and demand risk, depletion risk and exploration risk).

**Alternative Investments:** Any allocation containing alternative investments should note that they are highly illiquid and are only appropriate for investors willing to put capital at risk for an indefinite period of time. Alternative investments often engage in leverage and other speculative investment practices, may involve complex tax structures, typically have higher fees, and generally are not subject to the same regulatory requirements as traditional asset classes.

## Historical Scenario Definitions

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**Global Financial Crisis (11/2007 - 02/2009):** The U.S. subprime mortgage crisis was a set of events and conditions that led to a financial crisis and subsequent recession that began in 2008. It was characterized by a rise in subprime mortgage delinquencies and foreclosures, and the resulting decline of securities backed by said mortgages. While elements of the crisis first became more visible during 2007, several major financial institutions collapsed in September 2008, with significant disruption in the flow of credit to businesses and consumers and the onset of a severe global recession.

**Tech Bubble Burst (03/2000 - 09/2002):** The dot-com bubble was a historic speculative bubble covering roughly 1997-2000 (with a climax on March 10, 2000, with the NASDAQ peaking at 5,408.60 in intraday trading before closing at 5,048.62) during which stock markets in industrialized nations saw their equity value rise rapidly from growth in the Internet sector and related fields.

**2011 US Credit Downgrade (08/2011 - 09/2011):** The 2011 US Credit Rating Downgrade by Standard and Poor was the first time in history the United States was downgraded. S&P cited mounting budget deficits and the lack of planning done to address the government's debt dynamics as the catalyst for the downgrade.

**2015 Chinese Market Crash (06/2015 - 09/2015):** Between June 2014 and June 2015, China's Shanghai Composite index rose by 150 percent. A large portion of this acceleration in stock prices was due to retail investors' ability to invest on margin. Given this sensitivity to asset prices, when investors were met with margin calls in June of 2015, many were forced to sell. This wave of selling snowballed, leading to a ~30% decrease in the value of A-shares on the Shanghai Stock Exchange.

**2009 Greek Debt Crisis (10/2009 - 05/2010):** In 2009, the Greek government revealed it had underreported its budget deficit. As a result, borrowing costs skyrocketed and the country's credit rating was downgraded, leading to a loss of confidence in the Greek economy. The economic crisis in Greece exposed problems with the institutional architecture of the Eurozone and led to increased uncertainty throughout financial markets.

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This Wealth Strategies Analysis Tool may contain historical asset class return data and statistically generated data from 1990-2017 which are not used to forecast potential return but rather to identify relative patterns of behavior among asset classes which when put in different combinations assume various levels of risk.

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CRC 5770785 09/2023