

Risk Analysis & Portfolio Testing Review

*Prepared for Sample
January 24, 2023*

Financial Advisor

Investment and Insurance Products are:

- **Not Insured by the FDIC or Any Federal Government Agency**
- **Not a Deposit or Other Obligation of, or Guaranteed by, the Bank or Any Bank Affiliate**
- **Subject to Investment Risks, Including Possible Loss of the Principal Amount Invested**



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SECTION I

Introduction

Introduction and Overview

Thank you for taking the time to review this portfolio analysis. This analysis was conducted on the holdings in your account(s) as of the date indicated on the report and based on information you have provided to Wells Fargo Advisors (WFA) about your financial profile, including your investment objectives and risk tolerance. It identifies potential opportunities, based on your specific investment objectives and risk tolerance, to better align your portfolio with Wells Fargo Investment Institute's (WFII) guidance on portfolio construction. The analysis is designed to assist you with your investment planning and is for informational purposes only. Our analysis represents investment advice but does not consider cost basis, tax lots, length of holding or transaction costs.

We encourage you to regularly review your account activity and holdings with your Financial Advisor (FA) to help ensure you are positioned to meet your goals and to consider new fundamental or market developments. Our analysis is specific to this portfolio, as of the date the review was performed and may not reflect our current opinion. The investments presented in this report may not be available in all types of accounts. Please consult with your FA before making any investment decisions.

IMPORTANT: The projections or other information generated by Risk Analysis & Portfolio Testing Review 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 may vary with each use and over time.

Asset Allocation

How your investments are divided among the major asset classes – stocks, bonds, real assets and cash– is called your asset allocation. Investment returns from various asset classes can vary dramatically from year to year and from asset class to asset class. We believe that over the long term, an appropriately diversified portfolio has the potential to optimize the risk and return expectations relative to a portfolio that holds only a small number of asset classes.

Diversifying your investment portfolio across asset classes, while taking into consideration your goals, time horizon and risk tolerance, can be an important tool in managing your portfolio's investment risk. While diversification can help reduce investment risks, it does not guarantee profits nor protect against losses.

About our Risk Analysis and Stress Tests

We utilize WFII's Strategic Asset Allocation Model and the underlying Capital Market Assumptions with respect to the investment objective identified for your account(s). The purpose of the risk analysis and stress testing scenarios is to help identify potential gaps in portfolio construction that may not be revealed by other forms of analyses. Our risk analysis uses statistical methods to evaluate the proportionate risk that an asset class, sector or security represents in the portfolio. The historical performance, stress tests and other metrics shown are based on historical price data and correlations and may not represent actual portfolio performance. Historical values are taken from an event over a specific time period and then use the returns of the risk factors over that period to calculate the single hypothetical stress event. In cases where a security has a limited trading history or historical pricing information is unavailable, we may employ a proxy based on the security's sector or asset class. In some scenarios, the historical performance and security correlations may have changed significantly due to structural changes in the economy and financial markets. There is no guarantee that historical patterns will recur and past performance does not predict future results.

When applicable, all theoretical values of the options contracts currently held in the portfolio are based upon current but not real-time theoretical values calculated using the Black Sholes option pricing model in the stress test. Using these derived option values they are incorporated and represented in the single hypothetical stress event; which is based upon a simulated drawdown of the portfolio.

Introduction and Overview

Markets Move and Our Advice Will Change

You should also consider that WFII's investment strategy guidance can change without notice. A portfolio should be reviewed regularly, as changes occur in economic and market conditions as well as your investment needs. We do not assume any responsibility to update this report when market conditions or our opinions change.

Consult with your Financial Advisor Before You Act

Prior to acting, discuss this analysis with your FA and be aware that asset allocation focused reviews may not take into account your unique financial goals and circumstances.

The omission or exclusion of any internal or external assets in this review could have a significant impact on the resulting asset allocation recommendations. For a more comprehensive view, please consider informing your FA of any other securities or investment products held outside of your Wells Fargo account(s) that are not included in this review.

If you decide to alter your portfolio based on this analysis, you may incur fees, expenses and tax liabilities. Please work with your FA to determine if the changes warrant the potential implementation costs and if the recommendations (individually and in aggregate) are consistent with your investment objective and risk tolerance. Certain investments warrant close attention since some may offer discounts on larger purchases made over time in the same household regardless of where the assets are held. You may incur higher fees if your FA is not aware of these investments and your agreements or obligations.

External Accounts Included in Your Report

As a service, we may have included your assets held at other financial institutions. We assume no responsibility for the accuracy or completeness of the information you provided either to your FA or through any third party aggregation service regarding your assets held at other firms. We may update the pricing of these securities; however, there may be cases when updating prices is not possible. In addition, any transactions, values or changes in your external

accounts will not be reflected unless you provide updated information to your FA. In instances where you use a third party aggregation service, we rely on you to take action when notified by the third party service that updates are needed. The accuracy and completeness of the information you provide may materially affect the analysis contained in this report.

If this report includes assets that you currently hold away from our firm; these assets may not be covered by Securities Investor Protection Corporation (SIPC). Information on assets held away from Wells Fargo Advisors was provided by you or a third party; while we believe this information to be reliable, its accuracy and completeness are not guaranteed. The actual value and/or performance of assets held away from Wells Fargo Advisors may differ from that shown in this report.

If we have included or if you have provided us with information on accounts managed by an affiliate of Wells Fargo Advisors, including fiduciary accounts at Wells Fargo Bank, N.A., you should understand that Wells Fargo Advisors has no authority to manage, direct or influence the accounts.

Why do my funds appear under more than one asset class?

The reason for the appearance of funds under various asset classes is because our review process performs a "look-through" analysis (sometimes referred to as a fund "x-ray"). Many funds often spread their allocations across many asset classes or sometimes market action drives changes such as a mid-cap stock moving into large cap, which can impact the fund allocation. Typically, a fund will invest a majority of its assets in the asset class(es) that the name of the fund references, but the fund may also invest in other asset classes. While the view is more complex, we believe that the look-through data provides a more precise analysis of a portfolio. Suppose a fund represents 4% of the portfolio total value and 5% of the fund is invested in domestic large- cap. The "Fund weight in asset class" column will show the product of the two percentages (0.20% domestic large cap) representing the weight of that specific funds investments in that asset class as a percent of the total portfolio value.

By providing you this report, neither the firm nor your Financial Advisor is acting as a fiduciary for purposes of ERISA or section 4975 of the Code with respect to

Introduction and Overview

any external ERISA-covered employee benefit plan or any external individual retirement account in either the planning, execution or provision of this analysis, unless separately contracted to act as a fiduciary with respect to such an account. Any asset allocation information presented in this report for external 401(k), 403(b), Government 457(b), Defined Benefit Plan, Trustee Defined Profit Sharing Plan or individual retirement accounts is for general asset allocation education and informational.

Confirm the information presented with your statements

This report is not an official record of your account. However, it has been prepared to assist you with your investment planning and is for informational purposes only.

Your Wells Fargo Advisors or Wells Fargo Advisors Financial Network Client Statement is the official record of your account.

Therefore, if there are any discrepancies between this report and your Client Statement, you should rely on the Client Statement and call your FA with any questions. Transactions requiring tax consideration should be reviewed carefully with your accountant or tax advisor. Unless otherwise indicated, market prices/values are the most recent closing prices available at the time of this report, and are subject to change. Prices may not reflect the value at which securities could be sold.

Past performance does not guarantee future results.

SECTION II

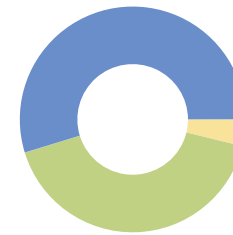
Account Overview and Asset Allocation

Account Overview

Account Name	Tax Status	Market Value (USD)	Portfolio Weight
Sample Acct 1	Tax-Deferred	568,717.79	50.5%
Sample Acct 2	Tax-Deferred	557,107.16	49.5%
TOTAL		1,125,824.95	100.0%

Asset Allocation

- Cash Alternatives
- Fixed Income
- Equities



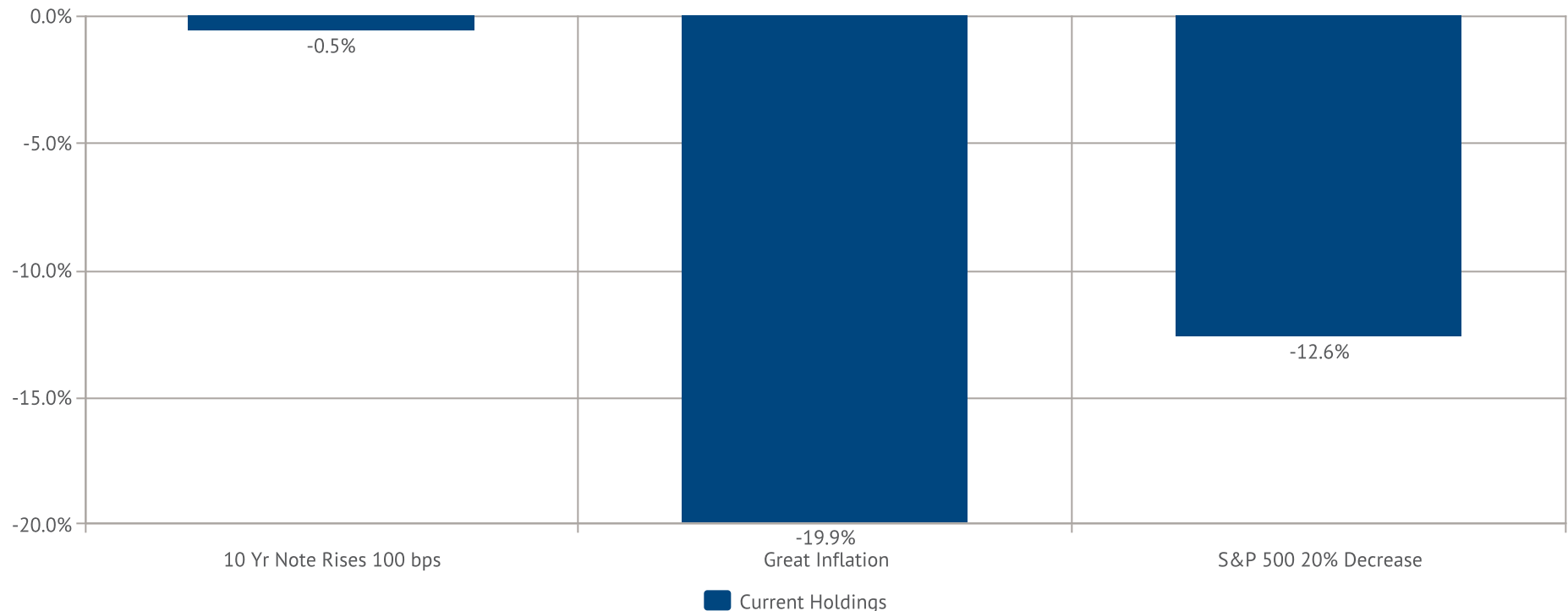
Asset Class	Current Holdings	
	Market Value (\$)	Percent (%)
Cash Alternatives	42,885.95	3.8%
Cash Alternatives	42,885.95	3.8%
Fixed Income	466,751.29	41.5%
U.S. Intermediate Taxable Fixed Income	251,037.91	22.3%
U.S. Long Term Taxable Fixed Income	9,664.75	0.9%
U.S. Short Term Taxable Fixed Income	206,048.63	18.3%
Equities	616,187.71	54.7%
Developed Market Ex-U.S. Equities	34,634.40	3.1%
U.S. Large Cap Equities	473,254.27	42.0%
U.S. Mid Cap Equities	73,973.83	6.6%
U.S. Small Cap Equities	34,325.21	3.0%
Total	1,125,824.95	100.0%

SECTION III

Risk Analytics and Stress Testing

Stress Test Comparison

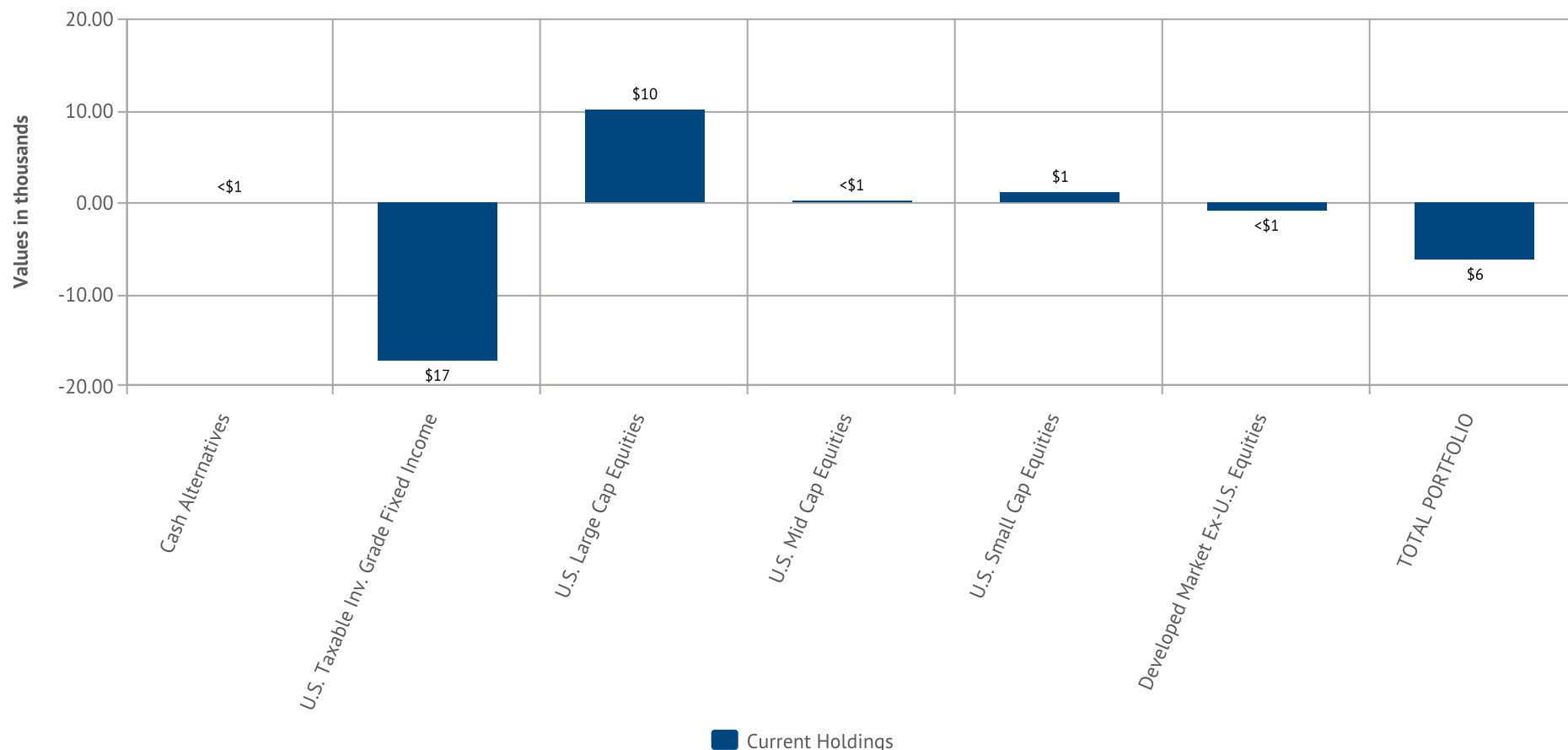
Stress testing is a simulation technique used on investment portfolios to predict the portfolios reaction to different financial situations. Stress testing is a method of determining how a portfolio may fare during a period of financial crisis but may not reflect the actual performance of the portfolio. The chart below compares the difference of your current portfolio's Market Value (\$) before and after a theoretical individual stress event. The parameters used in the stress test are provided on subsequent pages.



Stress Event	Current Holdings		S&P 500	WFII Conservative Income	WFII Moderate Growth & Income
	MV Change	Percent Change	Percent Change	Percent Change	Percent Change
10 Yr Note Rises 100 bps	(6,183.92)	-0.5%	1.0%	-3.4%	-1.1%
Great Inflation	(224,179.36)	-19.9%	-32.0%	-8.9%	-18.9%
S&P 500 20% Decrease	(141,581.28)	-12.6%	-20.0%	-5.5%	-12.1%

Stress Test - 10 Yr Note Rises 100 bps

Change in Market Value

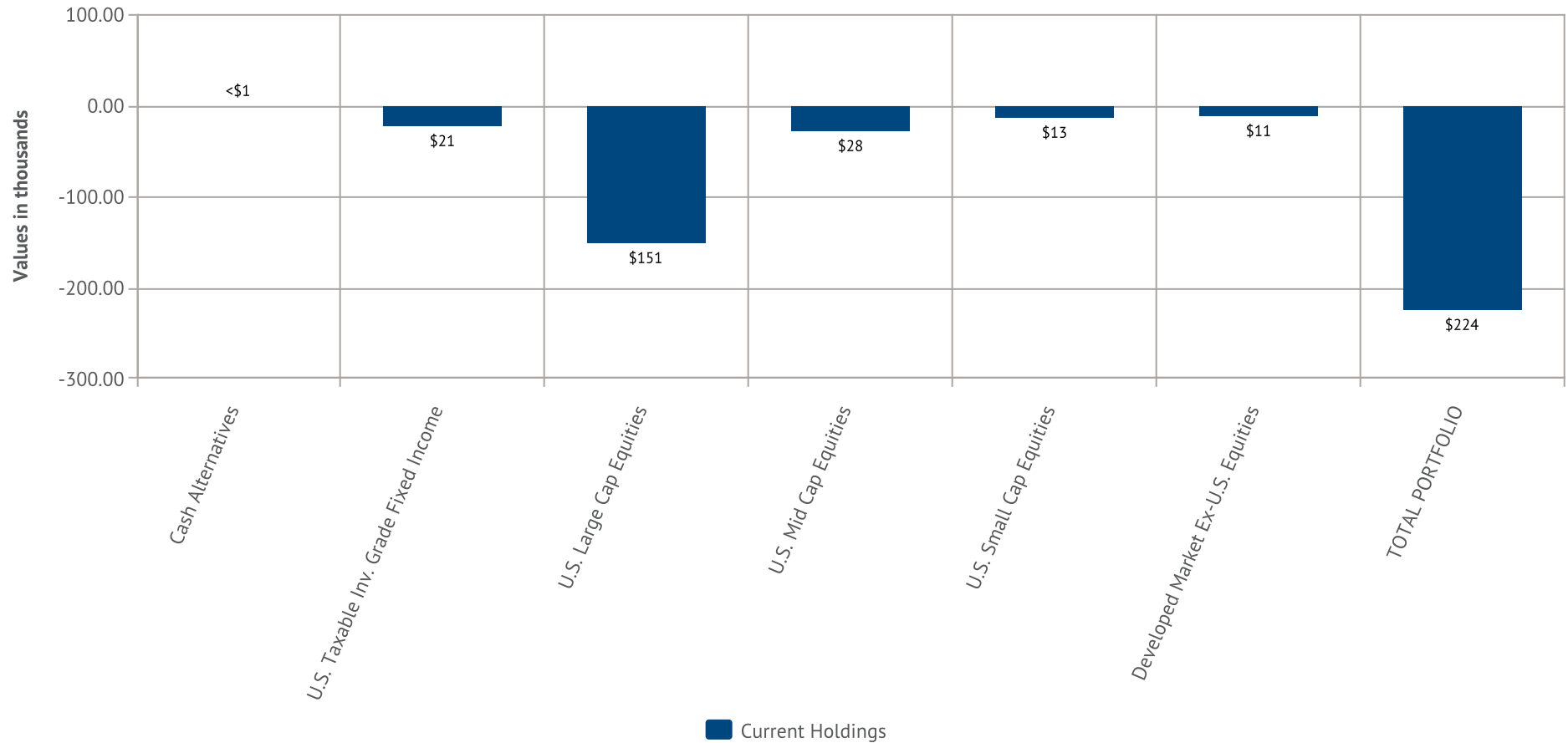


Current Holdings	Best Performers	Current Holdings	Worst Performers
JPMORGAN CHASE & CO	2,796.30	CELGENE CO 3.9% 022028	(1,811.23)
VALERO ENERGY CORP NEW	1,731.13	FFCB 3.875% 092032	(1,581.04)
BANK OF AMERICA CORP	1,729.57	EQUINIX INC	(1,378.48)

Past performance does not indicate future performance. Note: Although they are considered in the stress tests, proxy securities are not listed in Top/Bottom Performers analysis.

Stress Test - Great Inflation

Change in Market Value

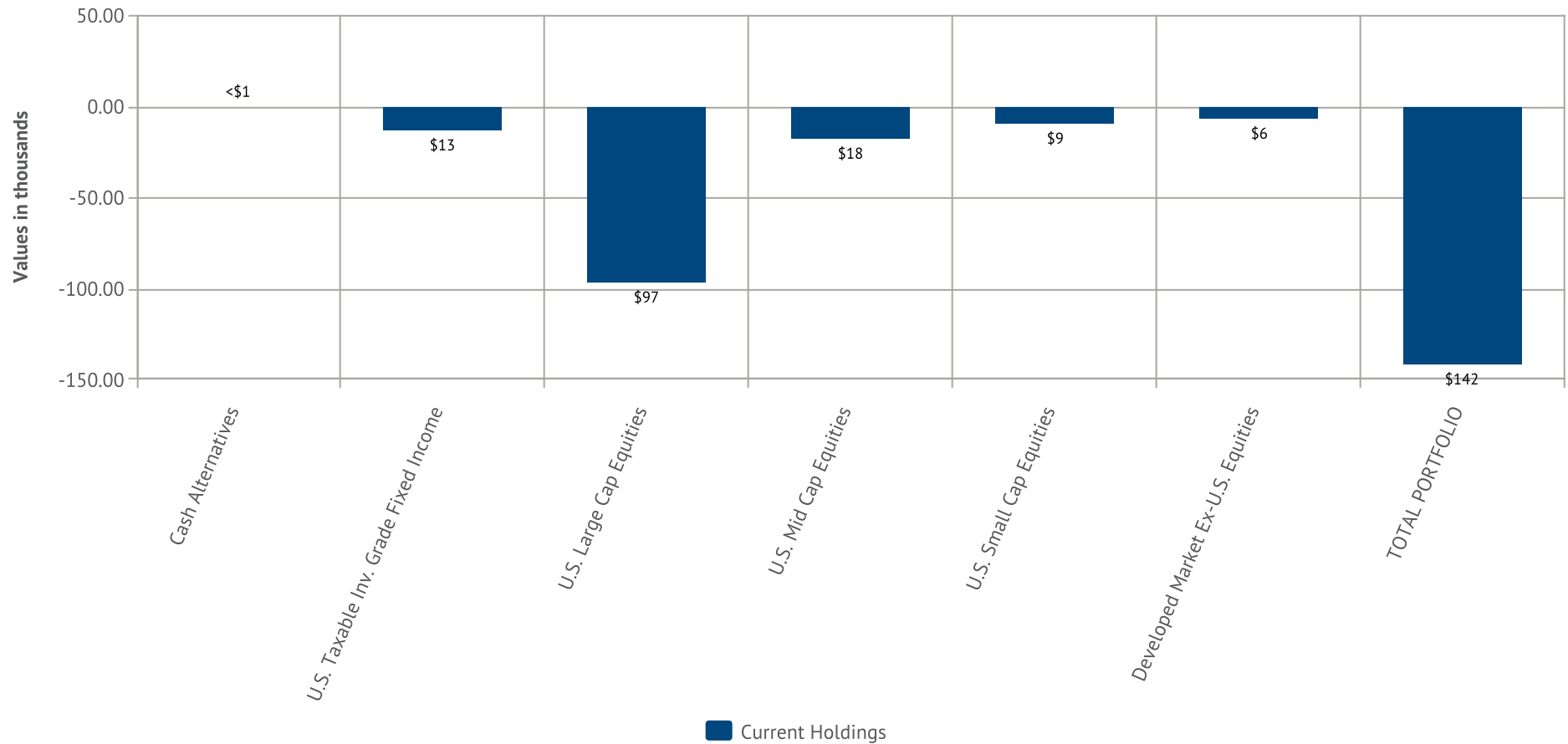


Current Holdings	Best Performers	Current Holdings	Worst Performers
U.S. Dollar		- JPMORGAN CHASE & CO	(7,763.62)
FHLMC MTN 5% 102727	(17.14)	BROADCOM INC	(7,630.29)
C 5.5% 103123	(96.93)	EATON CORP PLC	(6,429.77)

Past performance does not indicate future performance. Note: Although they are considered in the stress tests, proxy securities are not listed in Top/Bottom Performers analysis.

Stress Test - S&P 500 20% Decrease

Change in Market Value



Current Holdings	Best Performers	Current Holdings	Worst Performers
U.S. Dollar		- BROADCOM INC	(4,995.32)
FHLMC MTN 5% 102727	(4.73)	JPMORGAN CHASE & CO	(4,791.03)
CONSOLIDATED 4% 120128	(24.14)	RAYTHEON TECHNOLOGIES	(4,323.84)

Past performance does not indicate future performance. Note: Although they are considered in the stress tests, proxy securities are not listed in Top/Bottom Performers analysis.

Stress Test Description - 10 Yr Note Rises 100 bps

Assumptions		Event Description	
USD Govt 10Y	1.0%	.	10 yr 100 Bps Increase

Stress Test Description - Great Inflation

Assumptions	Event Description
USD Govt 10Y 0.1%	
S&P 500 -32.0%	1960-1969: The 1960s saw major growth in the United States economy along with modest rise in inflation. Inflation rose a little more than 1% per year during this period.
MSCI World -30.2%	1969-1970: Relatively mild recession. The recession lasted 11 months with Gross Domestic Product (GDP) falling 0.6% and inflation rising to as high as 5.9% at the peak. The unemployment rate rose from 3.5% to 6.1%.
Barclays Capital U.S. 1.3%	1971-1974: Nixon halted the exchange of the U.S. Dollars for gold by foreign central banks. This meant most of the world's currencies were now unanchored. At the time, the U.S. had an unemployment rate of 6.1% and an inflation rate of 5.84%. The Nixon administration introduced multiple phases of wage and price controls from 1971 to 1974 to combat unemployment and inflation.
Treasury: U.S. TIPS	October 1973: Arab members of OPEC placed an embargo on the U.S. for its support of Israel in the Yom Kippur War. Oil prices reached as high as \$73 a barrel (in today's dollars) at one point.
	April – Oct 1974: The Nixon economic measures of price and wage regulations were lifted in April 1974. In the following 6 months, Consumer Price Index rose from 48 to 51.1, inflation rose on average by 0.78% per month.
	1977-1982: To combat inflation, the Fed began to raise interest rates in 1977, causing the economy to tip into recession in the 1980s. The U.S. entered a recession that lasted from July 1981 to November 1982, with unemployment peaking at almost 11%. Eventually, the year-over-year inflation ended up dipping under 5% near the end of 1982, with unemployment scaling back as well.

Stress Test Description - S&P 500 20% Decrease

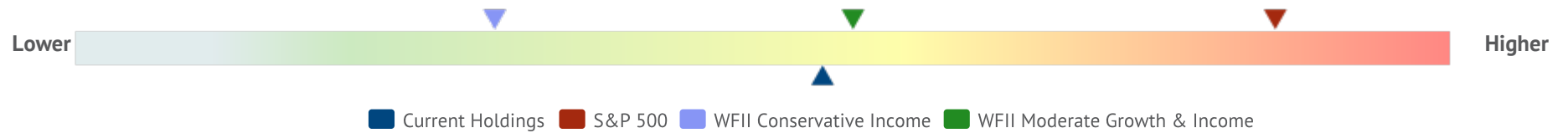
Assumptions		Event Description	
S&P 500	-20.0%	-	The S&P 500 index declined by 20%. The S&P 500 is an American stock market index based on the market capitalizations of 500 large US companies having common stock listed on the NYSE or NASDAQ.

Risk Summary

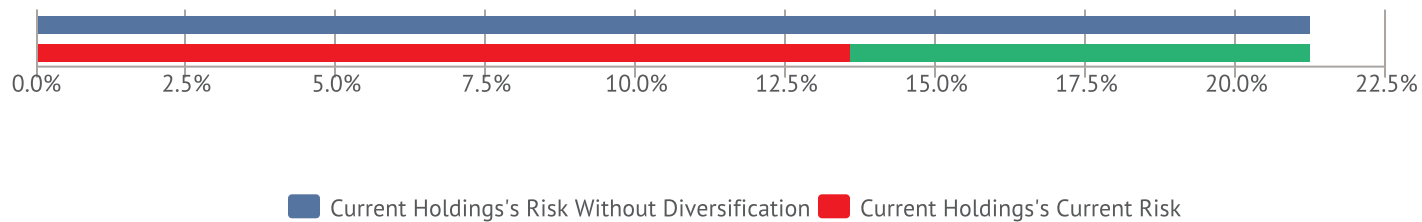
Top Contributors to Risk

Description	Ticker	Market Value (\$)	Portfolio Weight	Std Dev	Risk Impact
Concentrated		-	-	-	-
Total		1,125,824.95	100.0%	13.6%	-

Risk Spectrum



Diversification Benefit



The Diversification Benefit in the **current portfolio (red bar)** shows a **36.1% reduction of risk** (as measured by Standard Deviation) by holding different types of investments. The **blue bar shows the portfolio's potential risk** without diversification.

SECTION IV

Detailed Portfolio Analysis

Risk Analysis Details

Asset Class	Market Value (USD)	Portfolio Weight	Standard Deviation	Risk Impact	VaR(\$)	XLoss (\$)	XGain(\$)
Cash Alternatives	42,885.95	3.8%	-	-	(0.00)	(0.00)	-
Cash Alternatives	42,885.95	3.8%	-	-	(0.00)	(0.00)	-
U.S. Dollar	42,885.95	3.8%	-	-	(0.00)	(0.00)	-
Fixed Income	466,751.29	41.5%	5.5%	10.8%	(2,902.16)	(3,755.50)	3,389.57
U.S. Short Term Taxable Fixed Income	206,048.63	18.3%	3.4%	3.0%	(817.17)	(1,104.02)	978.11
AMERICAN 3.625% 120524	24,430.75	2.2%	2.1%	0.1%	(62.62)	(95.03)	78.00
C 4% 051325	24,500.75	2.2%	2.3%	0.2%	(62.00)	(86.99)	71.58
C 5.5% 103123	6,941.13	0.6%	1.1%	-	(8.43)	(12.43)	8.30
EATON VANC 3.5% 040627	23,555.25	2.1%	5.8%	0.6%	(134.77)	(182.24)	176.54
FHLMC MTN 5% 102727	4,999.00	0.4%	2.0%	-	(13.29)	(17.40)	15.37
JPM 4.5% 091526	24,213.75	2.2%	3.1%	0.3%	(96.07)	(121.06)	105.64
MORGAN S 3.875% 012726	48,579.50	4.3%	4.3%	1.0%	(211.91)	(297.87)	281.91
NTRS 4% 051027	24,716.75	2.2%	4.8%	0.5%	(162.84)	(210.57)	198.53
SIMON PROP 3.5% 090125	24,111.75	2.1%	3.3%	0.3%	(94.50)	(130.90)	121.86
U.S. Intermediate Taxable Fixed Income	251,037.91	22.3%	7.1%	7.7%	(1,972.91)	(2,527.27)	2,295.01
ANTM 4.1% 051532	4,776.65	0.4%	10.2%	0.2%	(53.64)	(68.74)	63.29
BOOKING 4.625% 041330	17,783.82	1.6%	11.2%	1.0%	(160.46)	(222.27)	202.13
CELGENE CO 3.9% 022028	47,284.50	4.2%	5.6%	1.2%	(322.46)	(417.13)	383.80
CONSOLIDATED 4% 120128	24,285.75	2.2%	8.4%	1.0%	(180.63)	(217.87)	220.44
FFCB 3.54% 092932	11,047.20	1.0%	6.6%	0.2%	(96.50)	(114.65)	100.25
FFCB 3.875% 092032	24,402.50	2.2%	9.0%	0.6%	(268.32)	(317.77)	301.88
FFCB 4.09% 050332	16,213.24	1.4%	5.6%	0.2%	(122.85)	(146.45)	122.58
GOLDMAN 4.5% 091530	14,167.80	1.3%	9.8%	0.7%	(140.21)	(187.06)	170.54

Risk Analysis Details

Asset Class	Market Value (USD)	Portfolio Weight	Standard Deviation	Risk Impact	VaR(\$)	XLoss (\$)	XGain(\$)
GOLDMAN S 5.15% 051530	4,938.30	0.4%	9.5%	0.2%	(46.72)	(62.34)	57.94
GOLDMAN SACH 4% 031530	18,520.40	1.6%	9.5%	0.9%	(178.70)	(237.02)	222.61
GS STP VAR% 083029	15,479.20	1.4%	5.3%	0.4%	(93.20)	(125.53)	115.21
LAM RESEARCH 4% 031529	24,198.00	2.1%	7.5%	0.8%	(203.98)	(255.93)	235.08
MASTERCARD 3.5% 022628	18,309.35	1.6%	5.3%	0.4%	(128.14)	(158.91)	160.20
SOUTHWESTE 4.1% 091528	9,631.20	0.9%	8.4%	0.4%	(77.06)	(99.82)	92.07
U.S. Long Term Taxable Fixed Income	9,664.75	0.9%	11.7%	0.4%	(144.06)	(179.35)	159.86
FFCB 3.41% 121934	4,656.40	0.4%	10.7%	0.1%	(59.09)	(70.53)	67.94
FFCB 6.45% 101937 (Proxied to: RMXIX3101503948)	5,008.35	0.4%	13.6%	0.3%	(90.20)	(110.15)	106.59
Equities	616,187.71	54.7%	22.1%	83.2%	(15,269.12)	(21,258.67)	20,557.11
U.S. Large Cap Equities	473,254.27	42.0%	21.3%	62.6%	(11,044.89)	(15,398.95)	14,696.04
ABBOTT LABORATORIES	9,548.05	0.8%	22.7%	0.9%	(253.60)	(358.35)	331.94
ABBVIE INC	8,993.70	0.8%	26.5%	0.9%	(195.53)	(329.16)	260.77
ADVANCED MICRO DEVICES	8,954.40	0.8%	57.4%	2.1%	(552.81)	(772.10)	729.96
ALPHABET INC CL C	7,758.08	0.7%	30.1%	1.2%	(303.17)	(414.12)	423.37
AMAZON COM INC	7,833.28	0.7%	36.1%	1.1%	(408.75)	(567.91)	556.94
AMERICAN TOWER CORP REIT	17,043.00	1.5%	24.6%	1.7%	(538.81)	(690.40)	806.91
APPLE INC	8,554.92	0.8%	33.9%	1.4%	(321.00)	(398.49)	438.84
AUTOZONE INC	9,946.56	0.9%	29.4%	1.1%	(281.79)	(463.42)	382.63
BANK OF AMERICA CORP	10,976.79	1.0%	36.5%	2.1%	(373.19)	(453.00)	546.94
BLOCK INC CL A	9,244.66	0.8%	65.3%	3.1%	(778.39)	(989.82)	1,246.43
BRISTOL MYERS SQUIBB	8,906.00	0.8%	20.6%	0.5%	(163.73)	(254.94)	242.72
BROADCOM INC	21,771.91	1.9%	31.6%	3.8%	(830.29)	(1,037.57)	1,147.59
CENTENE CORP	4,798.26	0.4%	27.5%	0.3%	(160.71)	(239.07)	221.18
CHEVRON CORPORATION	13,242.00	1.2%	39.6%	2.3%	(435.34)	(631.00)	633.69

Risk Analysis Details

Asset Class	Market Value (USD)	Portfolio Weight	Standard Deviation	Risk Impact	VaR(\$)	XLoss (\$)	XGain(\$)
CIGNA CORP NEW	4,540.20	0.4%	27.1%	0.4%	(128.83)	(182.18)	161.25
CISCO SYSTEM INC	8,890.88	0.8%	29.6%	1.2%	(226.30)	(408.70)	326.69
CITIGROUP INC NEW	11,354.40	1.0%	44.0%	2.4%	(351.57)	(434.08)	648.58
COMCAST CORP NEW CL A	10,533.42	0.9%	30.2%	1.6%	(335.28)	(524.20)	398.28
CVS HEALTH CORP	8,702.00	0.8%	23.0%	0.7%	(214.97)	(373.42)	295.03
EATON CORP PLC	18,365.40	1.6%	26.8%	2.6%	(548.99)	(742.20)	664.22
ELEVANCE HEALTH INC	4,279.32	0.4%	29.6%	0.5%	(111.22)	(174.80)	149.49
EOG RESOURCES INC	4,079.04	0.4%	57.7%	0.9%	(175.34)	(263.97)	242.88
EQUINIX INC	19,544.26	1.7%	25.5%	1.6%	(643.26)	(864.99)	1,069.22
GENL DYNAMICS CORP COM	8,192.25	0.7%	25.1%	0.8%	(222.88)	(299.97)	271.39
HOME DEPOT INC	8,890.84	0.8%	27.8%	1.2%	(275.35)	(421.59)	360.60
HUMANA INC	4,432.86	0.4%	26.5%	0.4%	(110.41)	(151.89)	177.45
JPMORGAN CHASE & CO	21,656.58	1.9%	31.8%	3.5%	(631.25)	(766.79)	965.20
LOCKHEED MARTIN CORP	17,509.88	1.6%	25.5%	1.3%	(409.53)	(642.44)	739.09
META PLATFORMS INC A	9,101.40	0.8%	47.1%	1.4%	(556.83)	(982.22)	720.49
MICROSOFT CORP	8,997.20	0.8%	24.3%	1.1%	(348.49)	(434.58)	445.63
NEXTERA ENERGY INC	8,866.90	0.8%	26.1%	0.8%	(250.32)	(393.87)	416.08
NVIDIA CORP	11,144.25	1.0%	53.4%	2.5%	(763.63)	(885.26)	968.28
ORACLE CORP	10,621.84	0.9%	29.0%	1.4%	(313.34)	(422.85)	501.71
PROCTER & GAMBLE CO	8,927.36	0.8%	18.9%	0.5%	(186.03)	(302.80)	263.74
PRUDENTIAL FINANCIAL INC	8,989.89	0.8%	36.6%	1.7%	(291.84)	(351.26)	382.50
RAYTHEON TECHNOLOGIES	17,520.66	1.6%	35.2%	2.6%	(472.69)	(640.04)	653.02
REGENERON PHARM INC	9,582.95	0.9%	31.4%	0.1%	(264.29)	(355.53)	556.49
SALESFORCE INC	8,852.13	0.8%	38.0%	1.4%	(416.94)	(541.46)	601.61
STARBUCKS CORP	11,202.45	1.0%	30.5%	1.7%	(433.56)	(527.95)	652.04
TEX INSTRUMENTS INC	9,458.64	0.8%	25.7%	1.3%	(298.99)	(385.17)	413.41

Risk Analysis Details

Asset Class	Market Value (USD)	Portfolio Weight	Standard Deviation	Risk Impact	VaR(\$)	XLoss (\$)	XGain(\$)
TRAVELERS COS INC/ THE	9,111.89	0.8%	25.1%	0.9%	(189.14)	(265.74)	316.77
UNITEDHEALTH GROUP	4,410.00	0.4%	22.6%	0.4%	(114.02)	(138.46)	153.52
VALERO ENERGY CORP NEW	9,311.88	0.8%	55.1%	2.0%	(441.38)	(595.50)	559.94
VISA INC CLASS A	9,798.75	0.9%	28.0%	1.3%	(328.91)	(389.38)	492.14
VMWARE INC CLASS A	9,712.78	0.9%	27.5%	0.9%	(278.90)	(432.56)	593.20
WALMART INC	9,100.36	0.8%	21.8%	0.6%	(203.42)	(406.37)	320.09
U.S. Mid Cap Equities	73,973.83	6.6%	27.3%	12.0%	(2,444.14)	(3,259.56)	3,390.92
COSTAR GROUP INC	9,640.00	0.9%	28.0%	1.0%	(346.00)	(583.14)	703.72
DOLLAR TREE STORES INC	8,312.31	0.7%	33.9%	0.7%	(245.85)	(529.58)	538.29
EVERSOURCE ENERGY	9,009.00	0.8%	21.9%	0.7%	(260.72)	(336.45)	296.07
FIVE BELOW INC	11,864.36	1.1%	42.2%	2.1%	(600.95)	(774.19)	1,005.11
ILLUMINA INC	7,065.45	0.6%	40.0%	1.0%	(351.72)	(563.06)	541.45
T ROWE PRICE GROUP INC	9,095.49	0.8%	36.4%	1.9%	(389.49)	(513.38)	552.24
TRANSDIGM GROUP INC	9,086.42	0.8%	44.9%	2.1%	(307.00)	(449.37)	442.15
WILLIAMS SONOMA INC	9,900.80	0.9%	54.9%	2.5%	(553.65)	(739.21)	768.11
U.S. Small Cap Equities	34,325.21	3.0%	38.5%	6.3%	(1,375.57)	(1,817.55)	2,160.47
BOX INC CL A	10,378.77	0.9%	40.2%	1.4%	(378.20)	(483.36)	620.59
DYCOM INDUSTRIES INC	9,093.40	0.8%	54.4%	1.5%	(306.43)	(599.11)	668.41
EDITAS MEDICINE INC	3,519.00	0.3%	91.0%	0.8%	(299.08)	(388.66)	429.55
LIVENT CORP	6,529.70	0.6%	69.0%	1.7%	(436.25)	(626.39)	762.73
RACKSPACE TECHNOLOGY INC	4,804.34	0.4%	61.1%	1.0%	(406.36)	(602.30)	711.15
Developed Market Ex-U.S. Equities	34,634.40	3.1%	25.7%	5.0%	(1,122.93)	(1,447.89)	1,573.70
ASML HOLDING NV	10,129.45	0.9%	39.3%	2.2%	(559.39)	(637.30)	759.55
CRISPR THERAPEUTICS	6,751.03	0.6%	61.0%	1.3%	(467.01)	(585.57)	655.92
NOVARTIS AG	8,859.84	0.8%	20.6%	0.7%	(178.27)	(232.36)	242.83

Risk Analysis Details

Asset Class	Market Value (USD)	Portfolio Weight	Standard Deviation	Risk Impact	VaR(\$)	XLoss (\$)	XGain(\$)
TOYOTA MTR CORP ADR F	8,894.08	0.8%	22.5%	0.8%	(248.80)	(340.54)	317.45
Total	1,125,824.95	100.0%	13.6%	-	(15,538.99)	(22,805.78)	22,093.89

Risk Analysis By Equity Sector

Sector	Market Value (USD)	Portfolio Weight	Standard Deviation	Risk Impact
Communication Services	27,392.90	4.4%	29.8%	4.5%
Consumer Discretionary	76,844.68	12.5%	24.8%	12.5%
Consumer Staples	18,027.72	2.9%	17.9%	1.3%
Energy	26,632.92	4.3%	45.9%	6.1%
Financials	71,185.04	11.6%	31.6%	14.1%
Health Care	94,388.66	15.3%	18.4%	10.0%
Industrials	89,408.01	14.5%	24.6%	13.9%
Information Technology	151,314.92	24.6%	27.9%	28.3%
Materials	6,529.70	1.1%	69.0%	1.9%
Real Estate	36,587.26	5.9%	23.3%	3.4%
Utilities	17,875.90	2.9%	21.7%	1.6%

SECTION V

Glossary and Disclosures

Glossary

Standard Deviation	Standard deviation is a measure of a security's volatility, or variability in expected return. As such, it is a measure of risk since risk can be defined as the uncertainty of the expected return. Higher numbers indicate higher historical volatility. Standard deviation is most often used as a measure of risk relative to other securities or indexes. Standard Deviation does not measure all aspects of investment risks.
Risk Impact	Risk Impact shows how much risk a given holding is contributing to a specific portfolio. Risk Impact is useful because it can reveal that a relatively small position can represent a disproportionate percentage of the total portfolio risk. The Risk Impact of a security is a function of its weight within the portfolio, its individual volatility and its correlation to the other portfolio holdings.
Value at Risk (VaR)	Value at Risk is a measure of the risk of investments that estimates how much a set of investments might lose, given normal market conditions, in a given time period.
XLoss	Expected Loss (xLoss) calculates the average loss a set of investments might experience once the Value at Risk has been exceeded.
XGain	Expected Gain (xGain) calculates the average gain a set of investments might experience once the Value at Risk has been exceeded.
Risk Grade	The RiskGrade statistic is a measure of volatility that is designed to help investors better understand their market risk. RiskGrade is roughly standard deviation multiplied by five. RiskGrades are calibrated for easier interpretation than standard deviation. A RiskGrade of 100 is scaled to reflect 20% annualized standard deviation.
Diversification Benefit	A method of determining how much risk is diversified away by holding securities that aren't perfectly correlated with one another. The measurement compares the portfolio's actual standard deviation to that of the weighted average standard deviation and computes how much risk is being diversified away.
Predictive Stress Testing	Predictive Stress testing is a measure of how sensitive a portfolio is to changes in one or more "risk factors". These could be indexes, interest rates, exchange rates, etc. The returns of the portfolio are regressed against those of the various risk factors. Because the sensitivity and thus the stress impact is dependent on when the regression is calculated, changing the same stress factors by the same amounts at a different time (for example, 6 months later) will yield different stress results since correlations and, thus, betas, will change over time.
Beta	Beta represents a portfolio's sensitivity to movements of its associated benchmark, which, by definition, has beta equal to one. A beta greater than one means that the changes in the portfolio's returns (positive or negative) have been greater than those of the benchmark. A beta less than one means that the changes in the portfolio's returns have been less than those of the benchmark.
Maturity Buckets	Short (Less than 3 years); Intermediate (3 to 10 years); Long (Greater than 10 years)
Accrued Interest	Accrued interest is the interest on a bond or loan that has accumulated since the principal investment, or since the previous coupon payment if there has been one already. For a financial instrument such as a bond, interest is calculated and paid in set intervals (for instance annually or semi-annually)."

Benchmark Definitions

MSCI Emerging Markets Index	The MSCI Emerging Markets Index is a free float-adjusted market capitalization index that is designed to measure equity market performance of emerging markets. The Index consists of the following 23 emerging market country indices: Argentina, Brazil, Chile, China, Colombia, Czech Republic, Egypt, Hungary, India, Indonesia, Israel, Korea, Malaysia, Mexico, Morocco, Peru, Philippines, Poland, Russia, South Africa, Taiwan, Thailand, and Turkey. Source: MSCI. MSCI makes no express or implied warranties or representations and shall have no liability whatsoever with respect to any MSCI data contained herein. The MSCI data may not be further redistributed or used as a basis for other indices or any securities or financial products.
Bloomberg U.S. Treasury Bills (1-3M) Index	Bloomberg 1-3 Month Treasury-Bill Index includes all publicly issued zero-coupon US Treasury Bills that have a remaining maturity of less than 3 months and more than 1 month, are rated investment grade, and have \$250 million or more of outstanding face value. In addition, the securities must be denominated in US dollars and must be fixed rate and non convertible. An investment cannot be made directly in an index.
Bloomberg Municipal Index	Represents municipal bonds with a minimum credit rating of at least Baa, an outstanding par value of at least \$3 million and a remaining maturity of at least one year.
Bloomberg Municipal 3 Yr 2-4 Index	A rules-based, market-value weighted index engineered for the long-term tax-exempt bond market. This index is the 3 year (2-4) component of the Municipal Bond Index.
Bloomberg Municipal 7 Yr 6-8 Index	A rules-based, market-value weighted index engineered for the long-term tax-exempt bond market. This index is the 7 year (6-8) component of the Municipal Bond Index.
Bloomberg US Aggregate 10+ Yr Index	A rules-based, market-value weighted index engineered for the long-term tax-exempt bond market. This index is the 10 year (8-12) component of the Municipal Bond Index.
Bloomberg U.S. Corporate High Yield Unhedged in USD	The Bloomberg US Corporate High Yield Bond Index measures the USD-denominated, high yield, fixed-rate corporate bond market. Securities are classified as high yield if the middle rating of Moody's, Fitch and S&P is Ba1/BB+/BB+ or below. Bonds from issuers with an emerging markets country of risk, based on Bloomberg's EM country definition, are excluded.
MSCI EAFE® Index (Europe, Australasia, Far East)	The Morgan Stanley Capital International Europe, Australasia and Far East ("MSCI EAFE") Stock Index is an unmanaged group of securities widely regarded by investors to be representations of the stock markets of Europe, Australasia and the Far East. Source: MSCI. MSCI makes no express or implied warranties or representations and shall have no liability whatsoever with respect to any MSCI data contained herein. The MSCI data may not be further redistributed or used as a basis for other indices or any securities or financial products.
Russell 1000® Growth Index	The Russell 1000® Growth Index measures the performance of those Russell 1000® companies with higher price-to-book ratios and higher forecasted growth values.
Russell 1000® Value Index	The Russell 1000® Value Index measures the performance of those Russell 1000® companies with lower price-to-book ratios and lower forecasted growth values.

Benchmark Definitions

Russell 2000 Index	Measures the performance of the small-cap segment of the U.S. equity universe. The Russell 2000 Index is a subset of the Russell 3000® Index representing approximately 8 percent of the total market capitalization of that index. It includes approximately 2,000 of the smallest securities based on a combination of their market cap and current index membership.
Russell Midcap Index	Measures the performance of the mid-cap segment of the U.S. equity universe. The Russell Midcap Index is a subset of the Russell 1000 Index. It includes approximately 800 of the smallest securities based on a combination of their market cap and current index membership. The Russell Midcap Index represents approximately 27 percent of the total market capitalization of the Russell 1000 companies.
S&P 500 Index	The S&P 500 Index consists of 500 stocks chosen for market size, liquidity, and industry group representation. It is a market value weighted index with each stock's weight in the Index proportionate to its market value.
Bloomberg Commodity Index	A broadly diversified index that allows investors to track commodity futures through a single, simple measure. The index is composed of futures contracts on physical commodities and is designed to minimize concentration in any one commodity or sector. It currently has 22 commodity futures in seven sectors. No one commodity can compose less than 2% or more than 15% of the index and no sector can represent more than 33% of the index.
Bloomberg US Aggregate Bond Index	Bloomberg US Aggregate Bond Index is a broad-based measure of the Investment grade, US dollar-denominated, fixed-rate taxable bond market.

Disclaimers

The portfolio analysis does not consider tax lots or tax advantaged selling when making asset allocation recommendations. Consult your tax advisor to understand tax implications of the recommendations.

There are times when current pricing data are not available for certain securities. In the event this happens, the market value shown on this report will reflect the most recently available data.

Different investments offer different levels of potential return and market risk. All investing involves risk including the possible loss of principal. There is no assurance any investment strategy will be successful. An investment in a mutual fund or exchange-traded fund will fluctuate and shares, when sold, may be worth more or less than their original cost. Exchange-Traded Funds are subject to risks similar to those of stocks and may yield investment results that, before expenses, generally correspond to the price and yield of a particular index. There is no assurance that the price and yield performance of the index can be fully matched.

Each fund, portfolio or security is subject to its own specific risks which are detailed in the prospectus, offering document or other information material. You should always consult the prospectus, offering document or other information material for a more complete description of the risks, expenses, and fees associated with a particular investment product. Your investment may be subject to some of the following risks:

Asset Class Risks:

Alternative Strategies: Funds that invest using alternative strategies are more complex investment vehicles which generally have higher costs and substantial risks. They tend to be more volatile than other types of funds and present an increased risk of investment loss. Relative to broad, long-only traditional asset class funds, alternative funds may employ more complex strategies, investments, and portfolio structures. In doing so, some of these strategies may expose investors to additional risks, including but not limited to the following: short selling, leverage risk, counterparty risk, liquidity risk, commodity price volatility risk, and/or managed futures roll yield risk.

Commodities: Investing in commodities is not suitable for all investors. Exposure to the commodities markets may subject an investment to greater share price volatility than an investment in traditional equity or debt securities. Investments in commodities may be affected by changes in overall market movements, commodity index volatility, changes in interest rates or factors affecting a particular industry or commodity. Products that invest in commodities may employ more complex strategies which may expose investors to additional risks.

Currency: Investments in currencies involve certain risks, including credit risk, interest rate fluctuations, fluctuations in currency exchange rates, derivative investment risk and the effect of political and economic conditions. The use of currency transactions to seek to achieve gains in the portfolio could result in significant losses to the portfolio which exceeds the amount invested in the currency instruments.

Equity: Equity investments are subject to market risk which means that their value may fluctuate in response to general economic and market conditions, the prospects of individual companies, and industry sectors.

Disclaimers

Fixed Income: Investments in fixed-income securities are subject to credit and interest rate risks. Bond prices fluctuate inversely to changes in interest rates. Therefore, a general rise in interest rates can result in the decline in the bond's price. Credit risk is the risk that an issuer will default on payments of interest and principal. This risk is higher when investing in high yield bonds, also known as junk bonds, which have lower ratings and are subject to greater volatility. All fixed income investments may be worth less than their original cost upon redemption or maturity. Income from municipal securities is generally free from federal taxes and state taxes for residents of the issuing state. While the interest income is tax-free, capital gains, if any, will be subject to taxes.

Income for some investors may be subject to the federal Alternative Minimum Tax(AMT).

Foreign: Investing in foreign securities presents certain risks not associated with domestic investments, such as currency fluctuation, political and economic instability, and different accounting standards. This may result in greater share price volatility. These risks are heightened in emerging markets.

Gold: Investing in gold, silver or other precious metals involves special risk considerations such as severe price fluctuations and adverse economic and regulatory developments affecting the sector or industry.

MLP/Energy: A fund that concentrates its investment in energy related MLPs is subject to the risks of investing in MLPs and the energy sector. Investments in securities of MLPs are subject to numerous significant risks such as volatility associated with the use of leverage; volatility of the commodities markets; market risks; supply and demand; natural and man-made catastrophes; competition; liquidity; market price discount from NAV and other material risks. A downturn in the energy sector of the economy, adverse political, legislative or regulatory developments or other events could have a larger impact on a portfolio that concentrates in the sector.

Preferred Securities: Preferred securities are generally subordinated to bonds or other debt instruments in an issuer's capital structure, subjecting them to a greater risk of non-payment than more senior securities. In addition, the issue may be callable which may negatively impact the return of the security. Preferred dividends are not guaranteed and are subject to deferral or elimination.

Real Estate: Real Estate investments have special risks, including possible illiquidity of the underlying properties, credit risk, interest rate fluctuations, and the impact of varied economic conditions.

Sector-Specific: Investments that are concentrated in a specific sector, industry or companies may be subject to a higher degree of market risk than investments that are more diversified.

Small-Mid-Cap: The prices of small and mid-company stocks are generally more volatile than large company stocks. They often involve higher risks because smaller companies may lack the management expertise, financial resources, product diversification and competitive strengths to endure adverse economic conditions.

Other Investment Companies: Mutual funds and exchange-traded funds are sold by prospectus. Please consider the investment objectives, risks, charges and expenses carefully before investing. The prospectus, which contains this and other information, can be obtained by calling your financial advisor for any mutual fund or the ETF

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sponsor for any ETF. Read the prospectus carefully before you invest.

Closed-End Funds (CEFs): Closed-End Funds (CEFs) are actively managed and can employ a number of investment strategies in pursuit of the fund's objectives. Some strategies may increase the overall risk of the fund and there is no assurance that any investment strategy will be successful or that the fund will achieve its intended objective. A CEF has both a market price and net asset value (NAV), and these two values and their respective performances may differ. Changes in investor demand for a particular fund may cause the fund to trade at a price that is greater (lower) than its NAV, creating a share price premium (discount) to its NAV. CEFs are subject to different risks, volatility, fees and expenses. Many CEFs can leverage their assets to enhance yields. Leverage is a speculative technique that exposes a portfolio to increased risk of loss, may cause fluctuations in the market value of the fund's portfolio which could have a disproportionately large effect on the fund's NAV or cause the NAV of the fund generally to decline faster than it would otherwise. The use of leverage and other risk factors are more fully described in each closed-end fund's prospectus under the heading "Risks."

Non-Registered Exchange-Traded Products: Certain Exchange-Traded Products (ETPs) that invest in commodities are not registered as investment companies under the Investment Company Act of 1940, and are not subject to the same regulatory requirements as mutual funds, closed-end funds, or ETFs that are registered. These products can be structured as Grantor Trusts, Limited Partnerships, or exchange-traded notes. Commodity ETPs attempt to track the price of a single commodity, such as gold or oil, or a basket of commodities by holding the actual commodity in storage, or by purchasing futures contracts. The performance of an ETP that tracks a futures index may not necessarily correspond to the spot price performance (Spot price: the price of goods, currencies, or securities that are offered for immediate delivery and payment.). In fact, when there are significant differences between the spot price and the futures price, the performance of the ETP may be very dissimilar to the spot price performance. Commodity ETPs may use different instruments to gain their exposure such as money market funds, currency forward contracts, futures, etc., and are subject to the same risks as the underlying instruments. Futures are speculative. The use of futures contracts exposes the fund to additional risks and could produce disproportionate gains or losses and may increase volatility and costs which could hurt the fund's performance.

Derivatives: Derivatives can give rise to a form of leverage. The use of leverage creates special risks including potential interest rate risks and the likelihood of greater volatility of net asset value and market price of, and distributions on, common shares. The use of derivatives may not be successful, resulting in losses to the Fund, and the cost of such strategies may reduce the Fund's returns. Investing in derivatives carries the risk of the underlying instrument as well as the derivative itself.

Non-Diversification: Non-diversified funds generally may invest a larger percentage of their assets in the securities of a smaller number of issuers. As a result, the funds may be more susceptible to the risks associated with these particular companies, or to a single economic, political or regulatory occurrence affecting these companies.

Option Strategies: Some funds employ option strategies in pursuit of the Fund's investment objective. The Fund's investments in option strategies may result in loss. Purchasing and writing options are highly specialized activities and entail greater than ordinary investment risks. The successful use of options depends in part on the ability of the Investment Adviser to manage future price fluctuations and the degree of correlation between the options and securities markets. No assurance can be given that the Investment Adviser's judgments will be correct.

Short Sales: Short sales by a Fund theoretically involve unlimited loss potential since the market price of securities sold short may continuously increase. Short selling

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involves leverage. Leverage may increase the risk of loss, cause fluctuations in the market value of the Fund's portfolio to have disproportionately large effects or cause the NAV of the Fund generally to decline faster than it would have otherwise. WFA/WFII uses research opinions provided from various correspondent research providers, as well as WFA/WFII's own research opinions when determining asset allocation recommendations for your account. WFA/WFII routinely maintains different investment opinions on these securities than those maintained by our correspondent providers. In some instances, WFA/WFII may also maintain multiple, differing opinions for the same security such as where WFA/WFII believes a company/issuer's business prospects and security price may vary over different time horizons, or where it believes investment in the security may be more appropriate for clients with certain investment objectives and/or risk tolerances. You should consult with your Financial Advisor to determine whether each asset allocation recommendation is suitable for your particular financial goals and objectives.

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