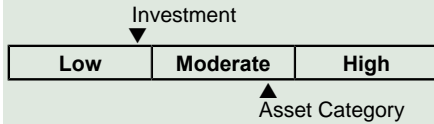


# Touchstone VST Common Stock



## Volatility Meter\*

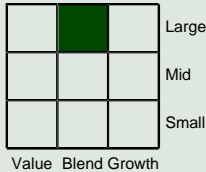
Investment volatility, when shown, is a function of the fund's Morningstar 3-year Risk Rating. On an annual basis, Empower assigns a ranking for the Investment volatility based on the fund's standard deviation. Asset Category volatility is based on the average standard deviation of funds in this asset category. Risk Rating, standard and average deviation provided by Morningstar.



**\*For illustrative purposes only.** The Asset Category volatility measure will always be displayed. If the Investment volatility measure is not displayed, the investment may have fewer than three years of history or the data may not be available.

## Morningstar Style<sup>4</sup>

**Stock**  
Style / Capitalization  
Large Blend



## Fund Issuer

Touchstone

## Investment Adviser

Touchstone Advisors Inc

## Portfolio Managers

Wilhelm / Gogia

## Management Style<sup>3</sup>

Actively Managed

## Asset Category

Large Blend

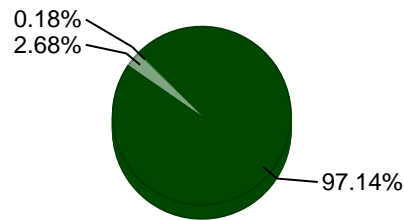
## Investment Objective & Strategy

The investment seeks to provide investors with capital appreciation. The fund invests at least 80% of its assets in large capitalization equity securities. It invests primarily in issuers having a market capitalization, at the time of purchase, above \$5 billion. The fund will generally hold 25 to 45 companies, with residual cash and equivalents expected to represent less than 10% of the fund's net assets. It may invest up to 35% of its assets in securities of foreign issuers through the use of ordinary shares or depositary receipts such as ADRs. The fund may also invest in securities of emerging market countries. It is non-diversified.

## Risk Profile

Large-cap investments may be most appropriate for someone willing to accept some degree of market volatility in return for potential long-term capital growth. Stock investments tend to be more volatile than bond, stable value or money market investments.

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



	% of Assets
U.S. Stock.....	97.14
Non U.S. Stock.....	2.68
Cash.....	0.18

## Geographic Diversification

	% of Assets
United States.....	97.32
Taiwan.....	1.57
United Kingdom.....	0.69
China.....	0.42

## Bond Sector Diversification

	% of Assets
Cash & Equivalents.....	100.00

## Equity Sector Diversification

	% of Assets
Technology.....	33.29
Communication Svc.....	15.83
Financial Svc.....	13.71
Healthcare.....	12.69
Consumer Cyclical.....	9.02
Industrials.....	5.46
Consumer Defensive.....	4.10
Energy.....	2.59
Basic Materials.....	1.93
Real Estate.....	1.40

## Largest Holdings

	% of Assets
Microsoft Corp.....	9.24
Apple Inc.....	7.98
Meta Platforms Inc Class A.....	6.62
Alphabet Inc Class C.....	6.41
Amazon.com Inc.....	6.11
NVIDIA Corp.....	3.81
UnitedHealth Group Inc.....	2.82
Visa Inc Class A.....	2.70
Salesforce Inc.....	2.65
Berkshire Hathaway Inc Class B... ..	2.64

**Percent of Total Net Assets 50.99%**

**Number of Holdings 47**

**Portfolio Turnover (%) 18.00%**

## Risk Statistics (3 Year)<sup>^</sup>

Alpha.....	-0.53
Beta.....	0.96
R-Squared.....	97.80
Sharpe Ratio.....	0.31
Standard Deviation.....	16.91

<sup>^</sup>Risk Statistics are measured using the S&P 500 TR USD benchmark, where applicable.

The rating, risk, and return values are relative to each fund's asset category.

Large Cap

Period Ending: 12/31/2024

Net Expense Ratio

.73%

Gross Expense Ratio

.79%

Total Net Assets (MM)

\$129.164

Inception Date

11/30/2000

Data Effective Date

12/31/2024

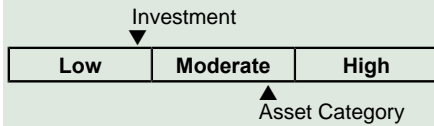
Carefully consider the investment option's objectives, risks, fees and expenses. Contact us for a prospectus and summary prospectus for SEC registered products or disclosure document for unregistered products, if available, containing this information. Read each carefully before investing.

# Touchstone VST Common Stock



## Volatility Meter\*

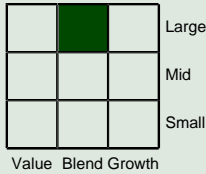
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## Morningstar Style<sup>4</sup>

**Stock**  
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## Fund Issuer

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## Management Style<sup>3</sup>

Actively Managed

## Asset Category

Large Blend

For more information about this investment option please go to [www.TouchstoneInvestments.com](http://www.TouchstoneInvestments.com).

Large Cap

Period Ending: 12/31/2024

Net Expense Ratio	Gross Expense Ratio	Total Net Assets (MM)	Inception Date	Data Effective Date
.73%	.79%	\$129.164	11/30/2000	12/31/2024

Carefully consider the investment option's objectives, risks, fees and expenses. Contact us for a prospectus and summary prospectus for SEC registered products or disclosure document for unregistered products, if available, containing this information. Read each carefully before investing.

# Glossary & Investment Option Disclosures

<b>3-Year Risk Rating</b>	An annualized measure of a fund's downside volatility over a three-year period. Morningstar Risk Rating is derived directly from Morningstar Risk, which is an assessment of the variations in a fund's monthly returns, with an emphasis on downside variations, in comparison to similar funds. In each Morningstar Category, the top 10% of investments earn a High rating, the next 22.5% Above Average, the middle 35% Average, the next 22.5% Below Average, and the bottom 10% Low. Investments with less than three years of performance history are not rated.
<b>Alpha</b>	Alpha is a measure of the difference between a portfolio's actual returns and its expected performance, given its level of risk as measured by beta. A positive Alpha figure indicates the portfolio has performed better than its beta would predict. In contrast, a negative Alpha indicates the portfolio has underperformed, given the expectations established by beta.
<b>Beta</b>	Beta is a measure of a portfolio's sensitivity to market movements. The beta of the market is 1.00 by definition. Morningstar calculates beta by comparing a portfolio's excess return over T-bills to the benchmark's excess return over T-bills, so a beta of 1.10 shows that the portfolio has performed 10% better than its benchmark in up markets and 10% worse in down markets, assuming all other factors remain constant. Conversely, a beta of 0.85 indicates that the portfolio's excess return is expected to perform 15% worse than the benchmark's excess return during up markets and 15% better during down markets.
<b>Equity Style Box</b>	The Morningstar U.S. Equity Style Box™ is a grid that provides a graphical representation of the investment style of stocks and portfolios. It classifies securities according to market capitalization (the vertical axis) and 10 growth and value factors (the horizontal axis) and allows us to provide analysis on a 3-by-3 Style Box - as well as providing the traditional style box assignment, which is the basis for the Morningstar Category. Two of the style categories, value and growth, are common to both stocks and portfolios. However, for stocks, the central column of the style box represents the core style (those stocks for which neither value nor growth characteristics dominate); for portfolios, it represents the blend style (a mixture of growth and value stocks or mostly core stocks). Furthermore, the core style for stocks is wider than the blend style for portfolios. In general, a growth-oriented fund will hold the stocks of companies that the portfolio manager believes will increase earnings faster than the rest of the market. A value-oriented fund contains mostly stocks the manager thinks are currently undervalued in price and will eventually see their worth recognized by the market. A blend fund might be a mix of growth stocks and value stocks, or it may contain stocks that exhibit both characteristics.
<b>Portfolio Turnover</b>	Portfolio turnover is a measure of the portfolio manager's trading activity which is computed by taking the lesser of purchases or sales (excluding all securities with maturities of less than one year) and dividing by average monthly net assets. A turnover ratio of 100% or more does not necessarily suggest that all securities in the portfolio have been traded. In practical terms, the resulting percentage loosely represents the percentage of the portfolio's holdings that have changed over the past year.
<b>R<sup>2</sup> R-squared</b>	R <sup>2</sup> , also known as the Coefficient of Determination, reflects the percentage of a portfolio's movement that can be explained by the movement of its primary benchmark over the past three years. An R-squared of 100 indicates that all movement of a fund can be explained by the movement of the index.
<b>Sharpe Ratio</b>	A risk-adjusted measure developed by Nobel Laureate William Sharpe. It is calculated by using standard deviation and excess return to determine reward per unit of risk. The higher the Sharpe Ratio, the better the fund's historical risk-adjusted performance. The Sharpe ratio is calculated for the past 36-month period by dividing a fund's annualized excess returns by the standard deviation of a fund's annualized excess returns. Since this ratio uses standard deviation as its risk measure, it is most appropriately applied when analyzing a fund that is an investor's sole holding. The Sharpe Ratio can be used to compare two funds directly on how much risk a fund had to bear to earn excess return over the risk-free rate.
<b>Standard Deviation</b>	Standard deviation is a statistical measurement of dispersion about an average, which, for a mutual fund, depicts how widely the returns varied over the past three years. Investors use the standard deviation of historical performance to try to predict the range of returns that are most likely for a given fund. When a fund has a high standard deviation, the predicted range of performance is wide, implying greater volatility. Standard deviation is most appropriate for measuring risk if it is for a fund that is an investor's only holding. The figure can not be combined for more than one fund because the standard deviation for a portfolio of multiple funds is a function of not only the individual standard deviations, but also of the degree of correlation among the funds' returns. If a fund's returns follow a normal distribution, then approximately 68 percent of the time they will fall within one standard deviation of the mean return for the fund, and 95 percent of the time within two standard deviations. Morningstar computes standard deviation using the trailing monthly total returns for the appropriate time period. All of the monthly standard deviations are then annualized.

Investing involves risk, including possible loss of principal.

This fund is offered through a variable annuity issued by Great-West Life & Annuity Insurance Company, Corporate Headquarters: Greenwood Village, CO, or in New York, Great-West Life & Annuity Insurance Company of New York, Home Office: New York, NY. The principal underwriter is GWFS Equities, Inc., Member FINRA/SIPC, and wholly owned subsidiary of Great-West Life & Annuity Insurance Company. Variable annuities are sold by prospectus only.

The investment return and principal value of a variable annuity will fluctuate so that an investor's units, when redeemed, may be worth more or less than their original cost. Before purchasing an annuity, you should carefully consider its investment options' objectives, and all the risks, charges and expenses associated with the annuity and its investment options. Variable annuities are suitable for long-term goals, such as retirement, and under current federal tax law any withdrawals of earnings prior to age 59½ may be subject to income tax and a 10% federal tax penalty.

The gross and net expense ratio, if shown, reflect the most current data available at the time of production, which may differ from the data effective date. The net expense ratio shown, if lower than the gross expense, reflects fee waivers or reimbursements that may expire as stated in the fund's prospectus, when applicable.

Funds may impose redemption fees and/or transfer restrictions if assets are held for less than the published holding period.

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All Glossary terms are sourced from Morningstar, Inc., except "Fixed" and/or "Stable Value" when shown.

Holdings and composition of holdings are subject to change.

This material describes an underlying investment option for variable insurance product. The Inception Date listed is the underlying fund's inception date, and may predate the offering of the applicable separate account. The Data Effective Date is the date for which the most current data is available. The Period Ending Date is the effective date for which the fund fact sheet is being produced.

All information is the most current as it is provided by the data source. Where data obtained from Morningstar, ©2024 Morningstar, Inc. All Rights Reserved. The data: (1) is proprietary to Morningstar and/or its content providers; (2) may not be copied or distributed; and (3) is not warranted to be accurate, complete or timely. Neither Morningstar nor its content providers are responsible for any damages or losses arising from any use of this information. Past performance is no guarantee of future results.

The responsibility for the content contained in the website(s) provided (if shown) is entirely that of the website owner. Endorsement is neither declared nor implied. Fee and performance information on the website(s) listed may differ for funds offered through an individual or group variable annuity.

A benchmark index, if shown, is not actively managed, does not have a defined investment objective, and does not incur fees or expenses. Performance of a fund will generally be less than its benchmark index. You cannot invest directly in a benchmark index.

Great-West Financial® refers to products and services provided by Great-West Life & Annuity Insurance Company (GWL&A), Corporate Headquarters: Greenwood Village, CO; Great-West Life & Annuity Insurance Company of New York (GWL&A of NY), Home Office: New York, New York; and their subsidiaries and affiliates.

U.S. Treasury securities, where listed, are guaranteed as to the timely payment of principal and interest if held to maturity. The fund itself is neither issued nor guaranteed by the U.S. government.

<sup>1</sup> The allocations shown here are subject to change. The fund allocations are based on an investment strategy based on risk and return.

<sup>3</sup> A fund that is Actively Managed uses a management approach for the investment strategy that relies on analytic research, judgment and experience for investment decisions. The Passive management investment approach seeks to replicate the returns of an index, where a fund manager makes as few

# Glossary & Investment Option Disclosures

portfolio decisions as possible, in order to minimize transaction costs, including capital gains. Many passively managed funds mimic the performance of an externally specified index. A benchmark index is not actively managed, does not have a defined investment objective, and does not incur fees or expenses. Therefore, performance of a fund will generally be less than its benchmark index. You cannot invest directly in a benchmark index.

<sup>4</sup> The Morningstar Style Box™ reveals a fund's investment strategy. For equity funds the vertical axis shows the market capitalization of the stocks owned and the horizontal axis shows investment style (value, blend or growth). A darkened square in the style box indicates the weighted average style of the portfolio.

For fixed-income funds, the vertical axis shows the credit quality of the bonds owned and the horizontal axis shows interest rate sensitivity as measured by a bond's effective duration. Morningstar seeks credit rating information from fund companies on a periodic basis (e.g. quarterly). In compiling credit rating information, Morningstar instructs fund companies to only use ratings that have been assigned by a Nationally Recognized Statistical Rating Organization (NRSRO). If two NRSROs have rated a security, fund companies are to report the lowest rating; if three or more NRSROs have rated the same security differently, fund companies are to report the rating that is in the middle. For example, if NRSRO X rates a security AA-, NRSRO Y rates the same security an A and NRSRO Z rates it a BBB+, the fund company should use the credit rating of 'A' in its reporting to Morningstar. PLEASE NOTE: Morningstar, Inc. is not itself an NRSRO nor does it issue a credit rating on the fund. An NRSRO rating on a fixed-income security can change from time-to-time.

For credit quality, Morningstar combines the credit rating information provided by the fund companies with an average default rate calculation to come up with a weighted-average credit quality. The weighted-average credit quality is currently a letter that roughly corresponds to the scale used by a leading NRSRO. Bond funds are assigned a stylebox placement of "low", "medium", or "high" based on their average credit quality. Funds with a low credit quality are those whose weighted-average credit quality determined to be less than "BBB-"; medium are those less than "AA-", but greater or equal to "BBB-"; and high are those with a weighted-average credit quality of "AA-" or higher. When classifying a bond portfolio, Morningstar first maps the NRSRO credit ratings of the underlying holdings to their respective default rates (as determined by Morningstar's analysis of actual historical default rates). Morningstar then averages these default rates to determine the average default rate for the entire bond fund. Finally, Morningstar maps this average default rate to its corresponding credit rating along a convex curve.

For interest-rate sensitivity, Morningstar obtains from fund companies the average effective duration. Generally, Morningstar classifies a fixed-income fund's interest rate sensitivity based on the effective duration of the Morningstar Core Bond Index (MCBI), which is currently three years. The classification of Limited will be assigned to those funds whose average effective duration is between 25% to 75% of MCBI's average effective duration; funds whose average effective duration is between 75% to 125% of the MCBI will be classified as Moderate; and those that are at 125% or greater of the average effective duration of the MCBI will be classified as Extensive.

For municipal bond funds, Morningstar also obtains from fund companies the average effective duration. In these cases static breakpoints are utilized. These breakpoints are as follows: (i) Limited: 4.5 years or less; (ii) Moderate: more than 4.5 years but less than 7 years; and (iii) Extensive: more than 7 years. In addition, for non-US taxable and non-US domiciled fixed income funds static duration breakpoints are used: (i) Limited: less than or equal to 3.5 years; (ii) Moderate: greater than 3.5 and less than equal to 6 years; (iii) Extensive: greater than 6 years.

Interest-rate sensitivity for non-U.S. domiciled funds (excluding funds in convertible categories) may be measured with modified duration when effective duration is not available.

**Unless otherwise noted, investments are not deposits, insured by the FDIC or any federal government agency, or bank guaranteed and may lose value.**

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