

CALSTRS

**CALIFORNIA STATE TEACHERS'
RETIREMENT SYSTEM**

**RISK MITIGATING STRATEGIES
CLASS POLICY**

INVESTMENT BRANCH

APRIL 2017

R. Risk Mitigating Strategies Policy

EXECUTIVE SUMMARY

In accordance with the CalSTRS Investment Policy and Management Plan, the Teachers' Retirement Board has established a Risk Mitigating Strategies class. The objective for the Risk Mitigating Strategies (RMS) class is to invest in strategies that provide further diversification of CalSTRS overall investment portfolio. The goal of the Risk Mitigating Strategies class is to construct a portfolio that will invest in strategies that primarily provide protection against equity market downturns.

The Risk Mitigating Strategies class consists of: (1) long duration U.S. Treasuries, (2) Trend Following, (3) Global Macro, (4) Systematic Risk Premia, and other strategies to be identified in the future. The purpose of the Risk Mitigating Strategies Policy (Policy) is to expand the investment opportunity set beyond the portfolio constituents identified in the current Investment Policy and Management Plan (IPMP).

CalSTRS' Risk Mitigating Strategies assets are to be invested, administered and managed in a prudent manner for the sole benefit of its participants and beneficiaries in accordance with the California Constitution, Teachers' Retirement Law, and other applicable statutes. No investment instrument or activity prohibited by the IPMP shall be authorized for Risk Mitigating Strategies.

The policy ensures that investors, managers, consultants, advisors, or other participants selected by CalSTRS take prudent and careful action while managing the RMS Portfolio (Portfolio). The purchase, management, and sale of all Portfolio products are performed by external and/or internal professionals (managers) who are monitored and evaluated by internal investment officers, a Portfolio consultant, and/or independent fiduciaries.

CalSTRS believes that environmental, social and governance (ESG) issues can affect the performance of our investments. As a result, CalSTRS 21 Risk Factors have been developed as a tool that both internal and external investment managers are expected to use to assess the impact of ESG risk when making an investment on behalf of CalSTRS. CalSTRS ESG Risk Factors can be found in the most current IPMP and may be viewed by accessing www.calstrs.com/investment-policies.

The internal investment officers and independent fiduciaries operate under the direction of the Chief Investment Officer (CIO). Review of the Portfolio falls under the general consultant (Consultant), who reports directly to the Investment Committee. If a specialty asset class consultant is retained, that consultant will report directly to the Investment Committee.

Policies approved by the CalSTRS' Investment Committee cannot be altered without explicit direction from the board.

POLICY

This document outlines the policy for the management of CalSTRS' RMS class. These policies are designed to set the boundaries for oversight and management of the Portfolio, while allowing sufficient flexibility in the management process to manage risk and capture investment opportunities.

Policies for the management of the RMS portfolio (Portfolio) are listed below:

1. The Portfolio's assets are to be invested in a prudent manner for the sole benefit of its participants and beneficiaries, in accordance with applicable portions of the California Teachers' Retirement Law.
2. The Risk Mitigating Strategies class will invest in a number of investment strategies including long duration U.S. Treasuries, Trend following, Global Macro, Systematic Risk Premia, and other types of strategies. The Chief Investment Officer (CIO) with concurrence of the General Consultant approves any allocation to a new strategy. The target allocation and ranges for the Risk Mitigating Strategies sub-strategies are as follows:

Strategy	Target Weight	Lower Limit	Upper Limit
Long duration U.S. Treasury	40%	30%	50%
Trend Following	45%	35%	55%
Global Macro	10%	0%	20%
Systematic Risk Premia	5%	0%	15%
Other Strategies	0%	0%	10%

The table above depicts the targets and ranges for the various portfolio strategies over the long-term. However, in response to changing market conditions or other relevant factors, the actual allocation may vary within the recommended ranges and may tilt defensively or aggressively toward the extreme ends of the ranges. A range has been set for each segment to provide capacity if the portfolio falls out of balance due to specific opportunities to tactically over and/or underweight a segment based on compelling opportunities or fundamental issues.

From time to time, the actual allocations to the portfolio segments may fall outside the recommended ranges. In these instances, adjustments from the actual to the prescribed allocation range shall be implemented over a reasonable time frame with ample consideration given to preserving investment returns to CalSTRS.

3. Each strategy will have its own specific performance metric. The Risk Mitigating Strategies class shall have a blended performance benchmark comprised of the target weightings for each of the strategies utilized in the portfolio multiplied by their respective benchmarks. As the class is implemented, target weights may not be achievable and the benchmark will be dynamic until full implementation of the class as determined by the CIO.

Strategy	Benchmark
Long-duration U.S. Treasury	Barclays U.S. Treasury 20+ Year Total Return Index
Trend Following	SG Trend Index
Global Macro	HFRI Macro: Discretionary Thematic Index
Systematic Risk Premia	Eurekahedge Multi-Factor Risk Premia Index

4. The Portfolio will not hold any securities prohibited by the Investment Resolution.
5. To achieve the stated performance objective, the Portfolio will invest in a diversified portfolio of strategies. Staff will select appropriate investment strategies with structural aspects that provide improved diversification and potential for protection in down markets.
6. CalSTRS may enter into discretionary separate account relationships with investment funds/managers, subject to pre-approved investment guidelines. The CIO must approve any deviations from the approved guidelines. For this reason, investments shall be structured to facilitate alignment of interests between managers and CalSTRS, manager accountability, investment monitoring and liquidity.
7. The assets under management (AUM) in the Risk Mitigating Strategies class shall target over the long-term 9 percent of the CalSTRS' total fund market value.
8. All investment products will be carefully evaluated to determine the expected benefits to the RMS class. All investment products will be approved by investment staff and a consultant (e.g., general or specialized independent consultant, if required). All investments are subject to appropriate due diligence as defined in the CalSTRS' Risk Mitigating Strategies class guidelines.
9. CalSTRS' investment personnel have authority to manage the RMS class. If prudent, CalSTRS may elect to manage a strategy internally. Any internally managed strategy will be approved by the Chief Investment Office and General Consultant. The delegated non-cumulative daily limits for approval of commitment, internal management trading and/or cash transfers to a strategy are designated below:

Investment Officer I	0.0025% of Total Fund
Investment Officer II	0.01% of Total Fund
Investment Officer III	0.05% of Total Fund
Associate Portfolio Manager	0.10% of Total Fund
Portfolio Manager	0.15% of Total Fund
Director of Innovation & Risk	0.25% of Total Fund
Deputy Chief Investment Officer	0.50% of Total Fund
Chief Investment Officer	0.50% of Total Fund

10. CalSTRS may employ leverage in the Portfolio in order to enhance investment returns. Such leverage may exist at the portfolio, manager or investment level. Because leverage increases the volatility of the Portfolio, careful consideration will be given to the impact of leverage on investment and portfolio risk. In addition, limitations on the amount of leverage at the individual asset or investment entity level will be negotiated or arranged wherever possible.
11. Investments in the RMS class should have clearly articulated and viable exit strategies through which assets can be disposed of or liquidated upon termination of the investment manager.
12. The CIO and/or Deputy CIO shall monitor the implementation of the RMS class in compliance with investment policies. A report to the CalSTRS' Board shall be made annually or as otherwise requested.

*Policy for Risk Mitigating Strategies Class First Reading and Adoption February 3, 2016
Revised to define APM trading limits on April 5, 2017*

GLOSSARY

BENCHMARK – A standard against which the performance of a security, mutual fund or investment manager can be measured. Generally, broad market and market-segment stock and bond indexes are used for this purpose.

DISCRETION – The level of authority given to an investment manager over the investment and management of a client’s capital once that capital is allocated to the investment manager.

DIVERSIFICATION – Investing in a wide range of securities/or asset classes in order to reduce financial risk.

DUE DILIGENCE – The process of investigating, evaluating and analyzing a potential investment’s characteristics, investment philosophy and terms and conditions.

ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG) – Topics such as climate change, energy use, political contributions, labor and human rights.

INDEX – A defined representative collection of securities used to measure the change in value of the securities market on a monthly basis.

INVESTMENT GUIDELINES – This is a document that establishes the parameters through which the investment manager will invest CalSTRS’ assets. These guidelines specify valid securities for the portfolio, the return expected from the manager, how the manager will be evaluated and the period over which the manager will be evaluated.

INVESTMENT MANAGER – A company that, by contractual agreement, provides infrastructure investment opportunities and/or property asset management services.

INVESTMENT OFFICER – Any one of the in-house investment professionals in the CalSTRS Investment unit.

INVESTMENT POLICY AND MANAGEMENT PLAN – This document outlines CalSTRS’ general and financial objectives including specific investment strategy. This document is the result of studies that include the assets and liabilities for the System.

LEVERAGE – The use of borrowed funds to increase purchasing power and, ideally, to increase the profitability of an investment.

LIQUIDITY – Refers to availability of a stock or bond to be traded. An issue that is readily available is considered to be liquid, an issue that does not trade very often is deemed illiquid.

PERFORMANCE BENCHMARK – Refers to each individual external manager’s designated benchmark (e.g., Russell 1000) and their performance target (e.g., Russell 1000 + 1½ percent).

PORTFOLIO – A collection of stocks, bonds, or money market securities owned by an investor and segmented by a predefined method.

SEPARATE ACCOUNT – An investment fund managed for one or two investors rather than many with a specialized mandate.

UNITED STATES TREASURY SECURITIES – Debt issues of the U.S. Government, such as Treasury bills, notes and bonds.

VOLATILITY -The relative rate at which the price of a security moves up and down, found by calculating the annualized standard deviation of daily change in price.