

# Affiliate Trust Asset Allocation Review: California Employers' Pension Prefunding Trust (CEPPT)

Trust Level Portfolio Management  
Global Equity, Affiliate Investment Program  
June 17th, 2019

## **Overview of Program Characteristics**

## **Strategic Asset Allocation and Recommendation**

# CEPPT - Program Overview: Purpose and Establishment

*Required pension contributions are on track to rise over the next several years.*

As one option to address this challenge, the California Legislature established the California Employers' Pension Prefunding Trust (CEPPT) effective 1/1/2019 to allow state and local public agency employers that provide a defined benefit pension plan to their employees to prefund their required pension contributions and invest those contributions within a trust that is intended to meet the requirements of Section 115 of the Internal Revenue Code.

## The CEPPT will be:

- Exempt from taxation
- For a defined governmental purpose (i.e. prefunding pension contributions)
- Irrevocable for contributions and earnings to the trust
- Open to terminations with a transfer to another Section 115 trust with same purpose
- Same trust type used for CERBT

Trust participants do not need to be CalPERS pension participants.

Contributions are voluntary.

# CEPPT - Program Overview: Benefits and Alternatives

## Potential Employer Benefits

- Budget stabilization, smoothing of pension payments
- Diversified investments with strategic asset allocation
- Established relationship with CalPERS
- CalPERS is a low cost provider

## Potential Employer Alternatives to the CEPPT

- Employer self-managed investments
- Local Agency Investment Fund
- Contribute to the PERF
- Other prefunding trust providers
- Reduce services
- Increase taxes

## CEPPT - Program Overview: Projected Characteristics

Characteristic	Description
Eligible participants	State of CA and CA public agency employers offering a defined benefit plan to their employees
Contributions/ distributions	Voluntary, determined by employer Variable in size and timing
Time horizon	Short to medium-term
Risk tolerance	Low to moderate
Use of funds	Paying pension contributions Transferring to Section 115 trust for same purpose

**Overview of Program Characteristics**

**Strategic Asset Allocation and Recommendations**

# CEPPT - Plan Characteristics and Effect on Asset Allocation

Characteristic	Description	If it is...	...Implication
<b>Contributions / Distributions</b>	Voluntary and variable	Uncertain cash in/out, at uncertain times	Requires liquid & less risky portfolios
<b>Investor Time Horizon</b>	Employers may have differing time horizons	Shorter time horizon	Low risk portfolios
		Medium time horizon	Medium risk portfolios
<b>Investor Risk Tolerance</b>	Employers may have differing risk tolerance	Low tolerance	Low risk portfolios
		Medium tolerance	Medium risk portfolios

# CEPPT - 2019 Capital Market Assumptions and Constraints

2019 Capital Market Assumptions <sup>1</sup>				Correlation				Constraints (%)	
Asset Class	Arithmetic Return	Geometric Return	Volatility (Std. Dev)	Global Equity	Fixed Income	TIPS	REITs	Floor	Cap
Global Equity	8.03%	6.70%	16.90%	1.00	-0.13	0.12	0.78	0%	100%
Fixed Income	3.46%	3.35%	4.75%	-0.13	1.00	0.75	0.15	0%	100%
TIPS <sup>2</sup>	3.17%	3.00%	6.00%	0.12	0.75	1.00	0.30	5%	100%
REITs <sup>3</sup>	7.20%	5.50%	19.00%	0.78	0.15	0.30	1.00	8%	100%
<b>U.S. Inflation Assumption: 2.10%</b>									

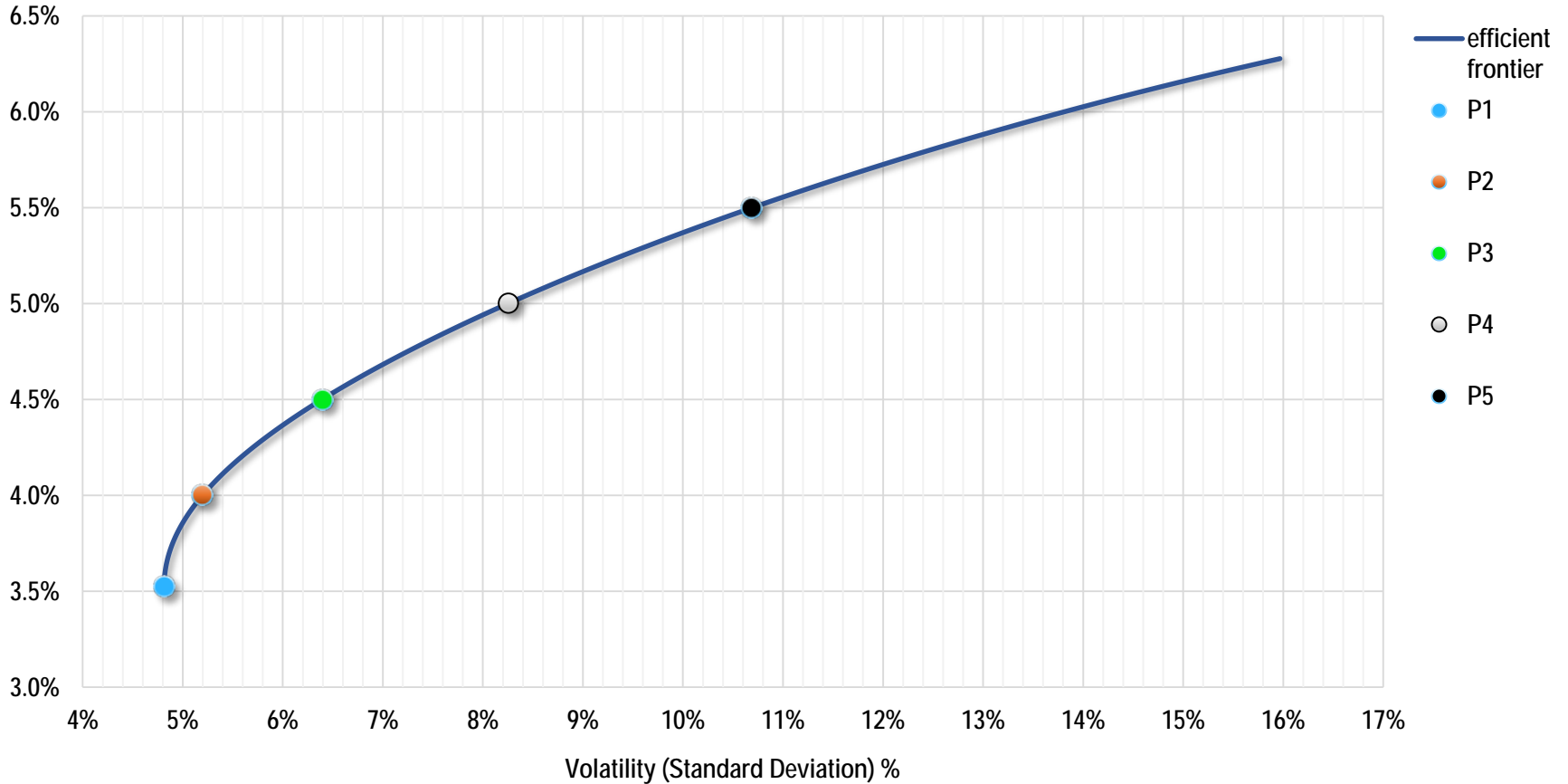


1. Assumptions of 1-10 year forecasted expected returns.
2. Treasury Inflation-Protected Securities (TIPS)
3. Real Estate Investment Trusts (REITs); REITs expected returns are estimated using a Dividend Discount Model.



# CEPPT - Efficient Frontier

Returns %



Note: Portfolios shown on the efficient frontier are net of fees of 25 basis points.

# CEPPT - Candidate and Recommended Portfolios

Asset Class Component		Asset Allocation of Candidate Portfolios				
		P1	P2	P3	P4	P5
Components	Global Equity	3%	14%	26%	40%	56%
	Fixed Income	84%	73%	61%	47%	31%
	TIPS	5%	5%	5%	5%	5%
	REITs	8%	8%	8%	8%	8%
Statistics	Expected Volatility (Standard Deviation)	4.8%	5.2%	6.4%	8.2%	10.7%
	Expected Compound Return (1-10 Years) <sup>1</sup>	3.5%	4.0%	4.5%	5.0%	5.5%
	Expected Tail Risk - Monte Carlo VaR <sup>2</sup>	4.0%	5.3%	7.7%	11.0%	15.3%
Strategy	Recommendation for Plans		CEPPT Strategy 2		CEPPT Strategy 1	



1. Expected Compound Returns shown are net of fees of 25 basis points.  
 2. Expected Tail Risk - Value at Risk (VaR) calculates the maximum loss expected (or worst case scenario), over a 1 year period given a 95% level of confidence.

## CEPPT - Recommended Benchmarks

<b>Asset Class</b>	<b>Benchmark</b>
<b>Global Equity</b>	MSCI ACWI IMI (Net)
<b>Fixed Income</b>	Bloomberg Barclays U.S. Aggregate Bond Index
<b>TIPS</b>	Bloomberg Barclays U.S. TIPS Index, Series L
<b>REITs</b>	FTSE EPRA/NAREIT Developed Liquid (Net)
<b>Liquidity</b>	91-day Treasury Bill (asset class utilized for operating cash)

## CEPPT - Recommended Asset Class Ranges

Asset Class	Range
Global Equity	+/- 5%
Fixed Income	+/- 5%
TIPS	+/- 3%
REITs	+/- 5%
Liquidity	+ 2%

### Objectives:

- Provide flexibility for changing market conditions between portfolio rebalances
- Reduce rebalancing frequency and costs
- Facilitate contribution & distribution activity

# CEPPT – Recommendation & Next Steps

## Recommendation

- Approve Portfolio P2 for CEPPT Strategy 2 (more conservative)
- Approve Portfolio P4 for CEPPT Strategy 1 (less conservative)
- Approve Recommended Benchmarks and Ranges
- Approve Investment Policy

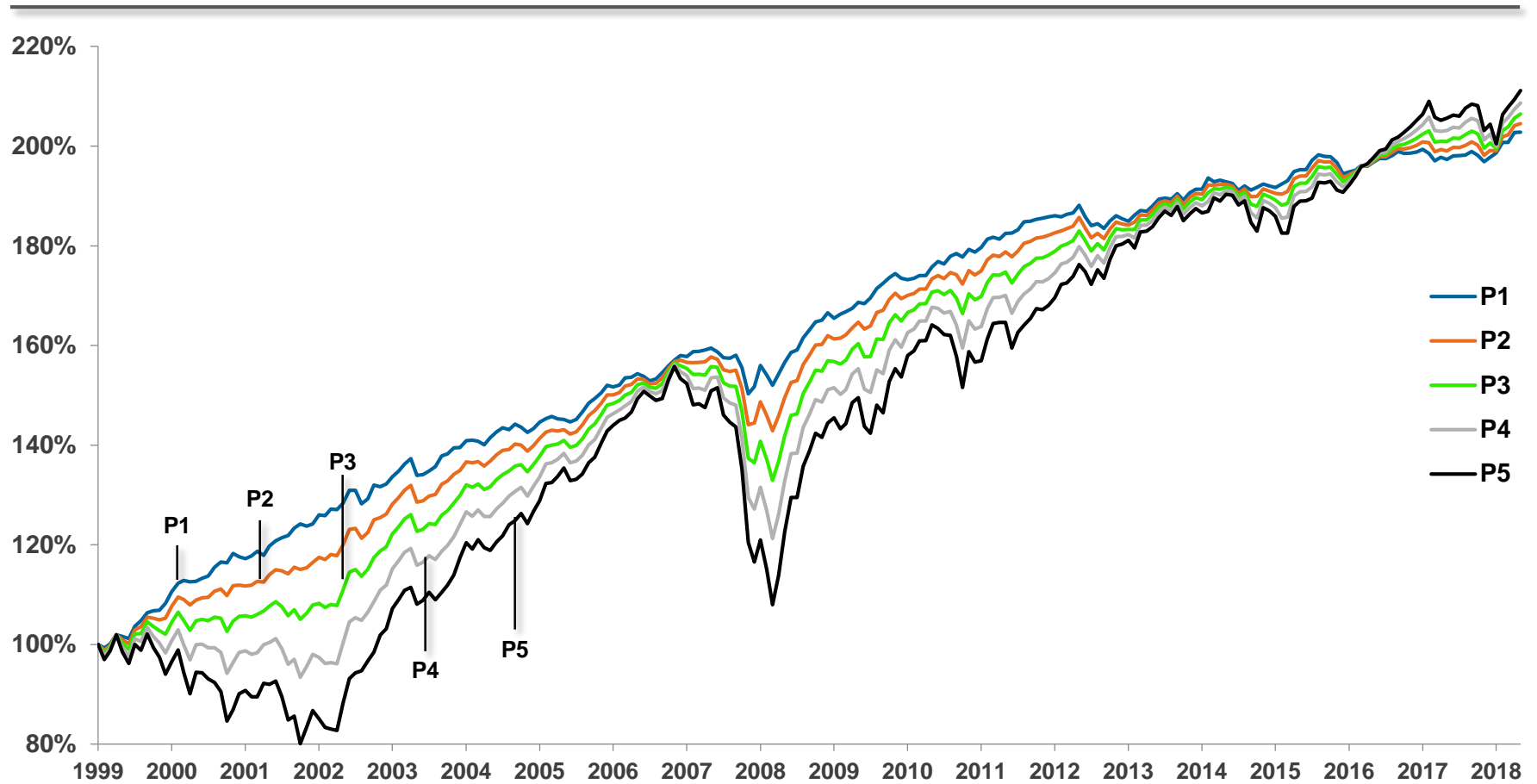
## Next Steps

- Complete setup work for the CEPPT
- Open CEPPT by 7/1/19
- Update Board in future Program reviews

# Appendix

# Cumulative Returns Through Various Economic Conditions

Cumulative Return %



# Cumulative Returns (Drawdown) Under Historic Market Distress

Cumulative Return %

