

CalPERS Update

League of California Cities

Marcie Frost
CalPERS, Chief Executive Officer

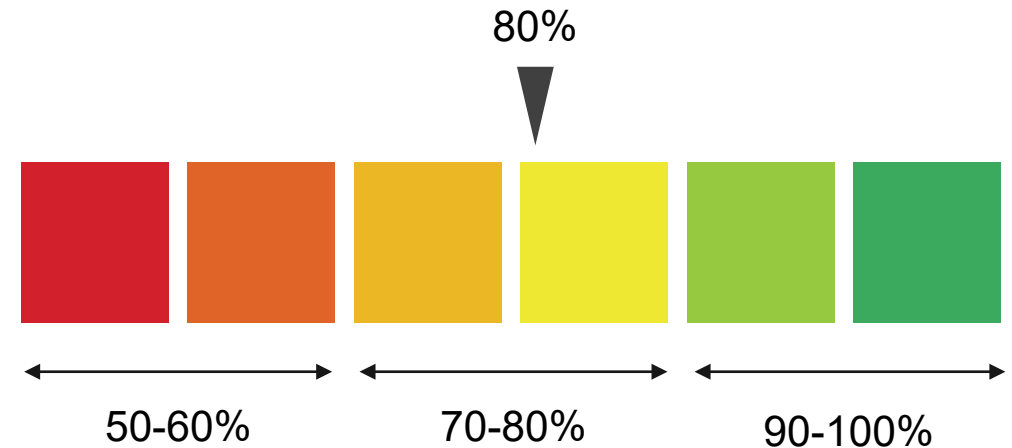
September 22, 2021

Fiscal Year Financial Status *(as of 6/30/21)*

\$469 billion in assets
(from \$389b)

21.3% net return on investments
(from 4.7%)

82% funded status
(from 71%)



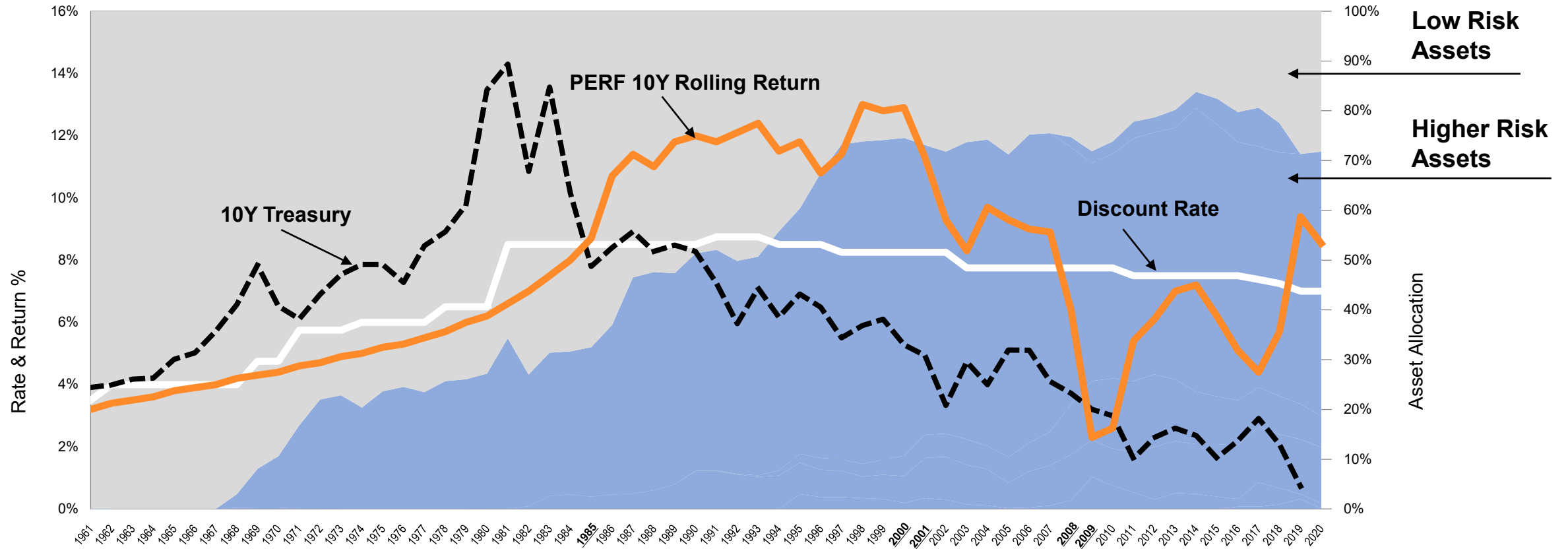
Total Net Investment Returns Over Time

30 year	8.4%
20 year	6.9%
10 year	8.5%
5 year	10.3%
1 year	21.3%

(As of fiscal-year ending 6/30/21)

Challenges to Achieving Target Returns

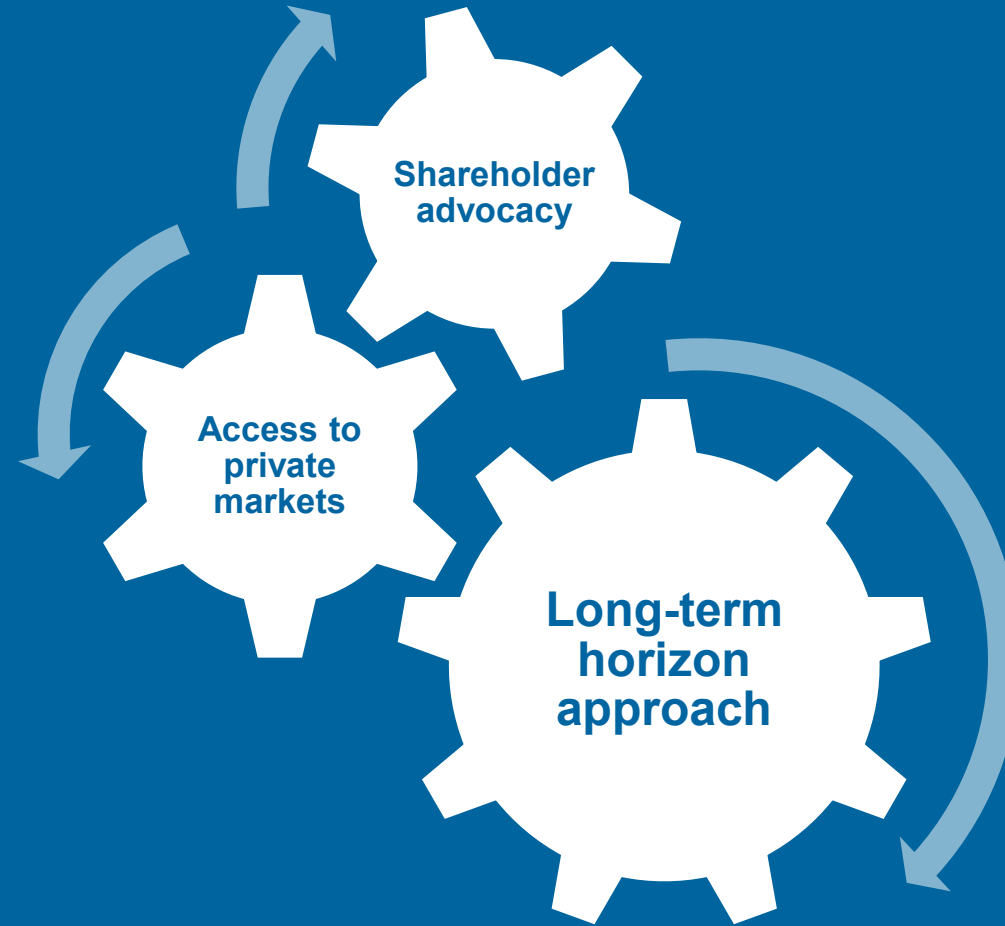
U.S. Treasury Yields Reduced to Near Zero



Capital Market Assumptions: Survey Results

Survey Parameter		2017 ALM	2020 Mid-Cycle ALM Survey Median Value 03/31/20	2021 Second ALM Survey Median Value 03/31/21
10-Year Expectations	Expected Return	6.1%	5.7%	5.3%
	Expected Risk	11.4%	10.5%	11.3%
	Expected Return/Risk	0.54	0.54	0.47
20-Year Expectations	Expected Return	7.0%	6.6%	6.2%
	Expected Risk	11.4%	10.5%	11.3%
	Expected Return/Risk	0.73	0.63	0.55

Strategic Investment Approach



Three Key Risks



Investment
Risk



Sustainability



Employer
Affordability

Purpose of Funding Risk Mitigation Policy

Lowers the discount rate in years of very good investment returns

Lowers investment volatility over time

Provides greater predictability and less volatility in contribution rates for employers

Risk Mitigation Policy Sample Scenarios



If investment returns outperform discount rate by:

+2 pp → 9%

+7 pp → 14%

+10 pp → 17%

+13 pp → 20%

+17 pp → 24%



then resulting discount rate will be:

6.95%

6.90%

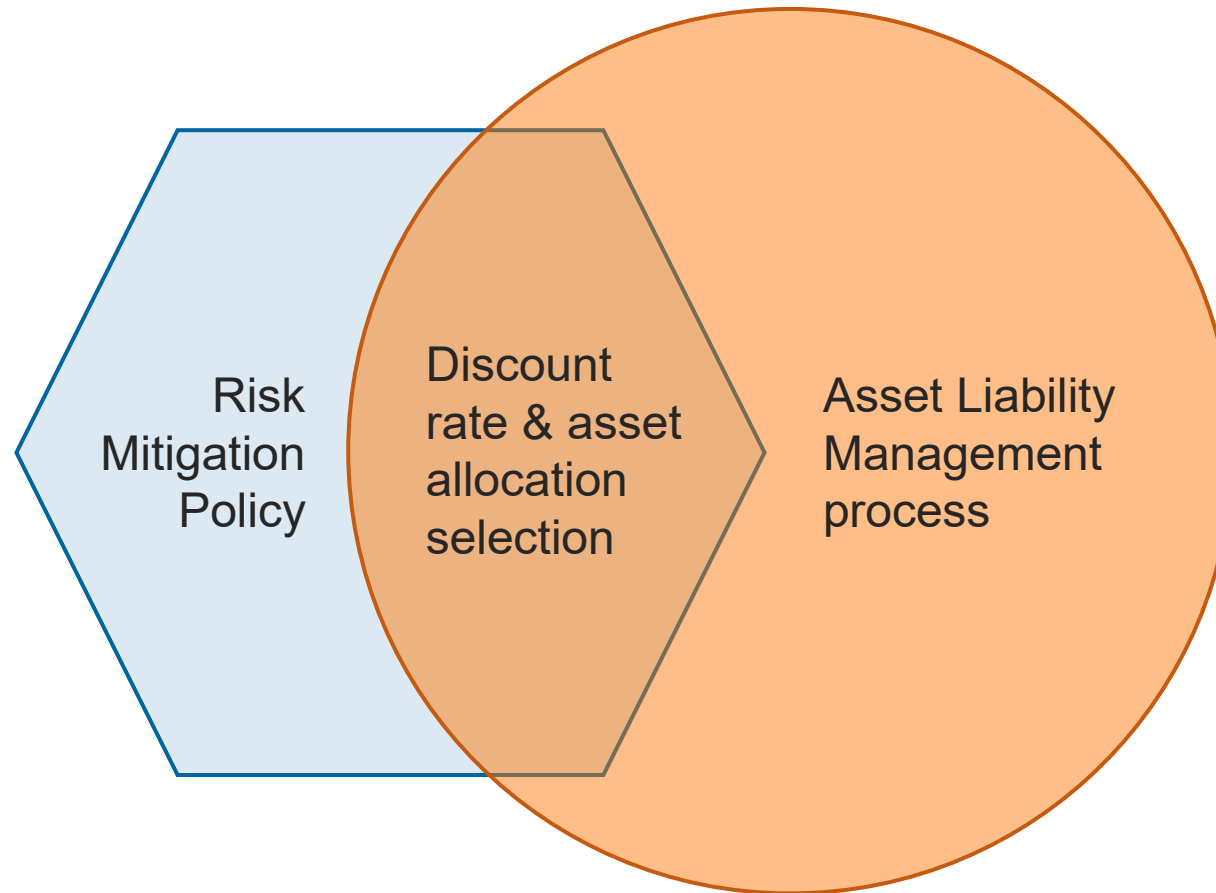
6.85%

6.80%

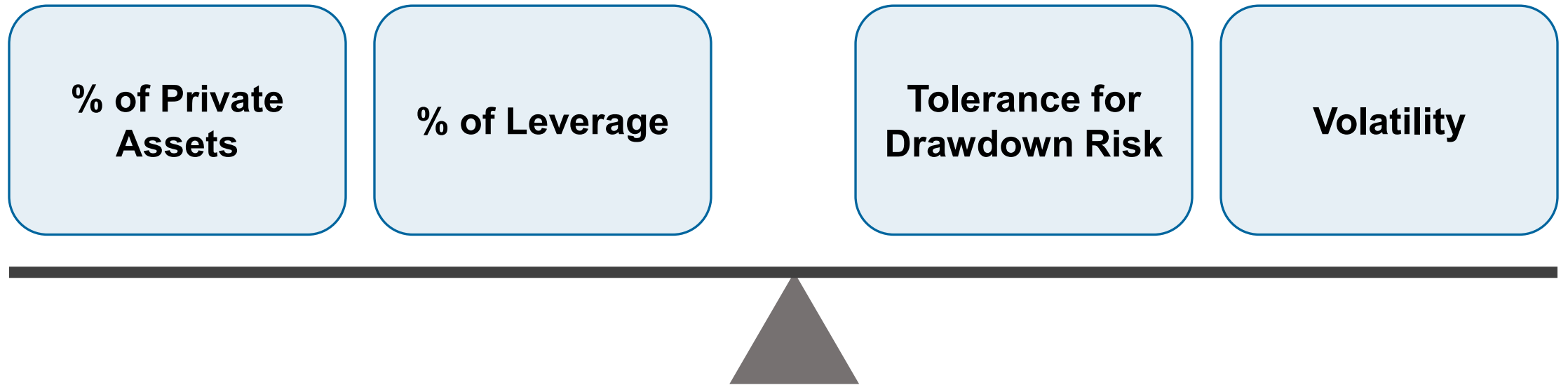
6.75%

From Risk Mitigation Policy triggering

Risk Mitigation Policy and Asset Liability Management (ALM)



Balancing Risk & Reward



Current Portfolio: Status Quo

Necessitated Discount rate: 6.25%, Projected Return: 6.2%

Time Horizon	Projected Return	Drawdown Risk	Volatility
20 Years	6.2%	22.6%	11.2%
Near-term	5.2%	23.6%	10.9%
Long-term	6.6%	22.3%	11.3%

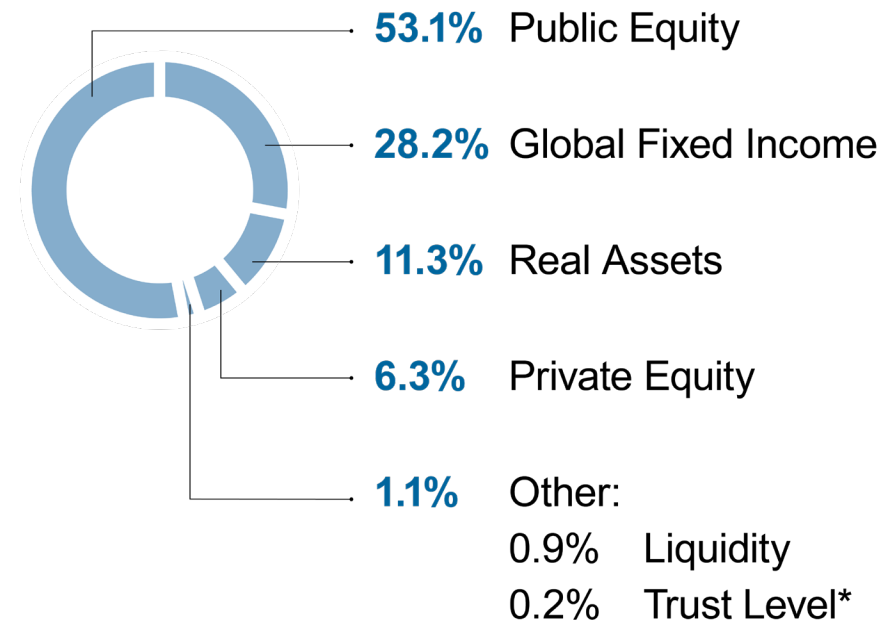
In comparison to other candidate portfolios:

Pros

- No changes, no added complexity
- No policy changes required

Cons

- Lowest return for similar risk levels
- Lower projected returns in near-term horizon
- Lower diversification
- Higher projected contributions



Candidate Portfolio C: higher risk/return, diversified

Discount rate: 6.75%, Projected Return: 6.8%

Time Horizon	Projected Return	Drawdown Risk	Volatility
20 Years	6.8%	22.9%	11.8%
Near-term	6.2%	26.3%	12.6%
Long-term	7.0%	22.0%	11.6%

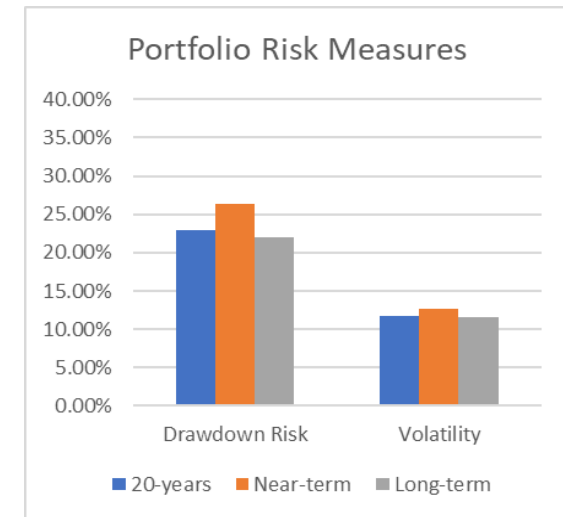
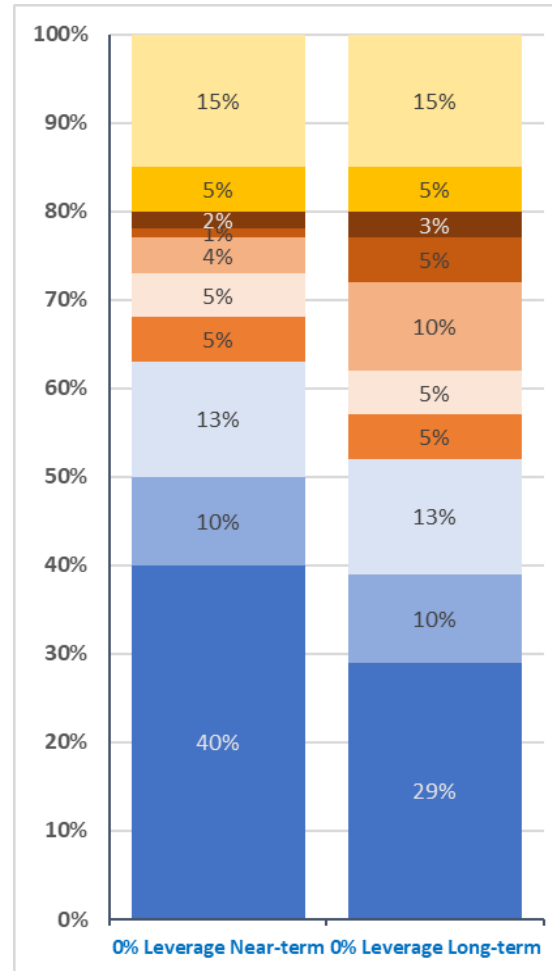
In comparison to other candidate portfolios:

Pros

- Higher returns than current portfolio
- Lower contributions

Cons

- Private asset deployment requires policy changes.
- Potential increased exposure to ESG issues
- Higher contribution and funding risk compared to portfolio A and current portfolio



Candidate Portfolio D: higher risk/return, diversified, 5% leverage

Discount rate: 6.75%, Projected Return: 6.8%

Time Horizon	Projected Return	Drawdown Risk	Volatility
20 Years	6.8%	22.1%	11.6%
Near-term	6.4%	27.2%	13.0%
Long-term	7.0%	20.8%	11.1%

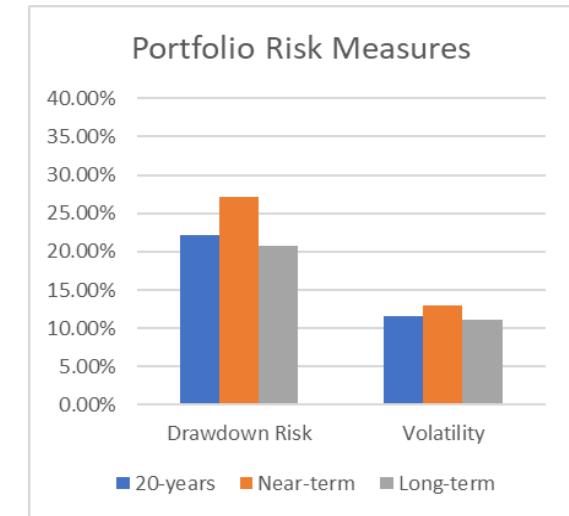
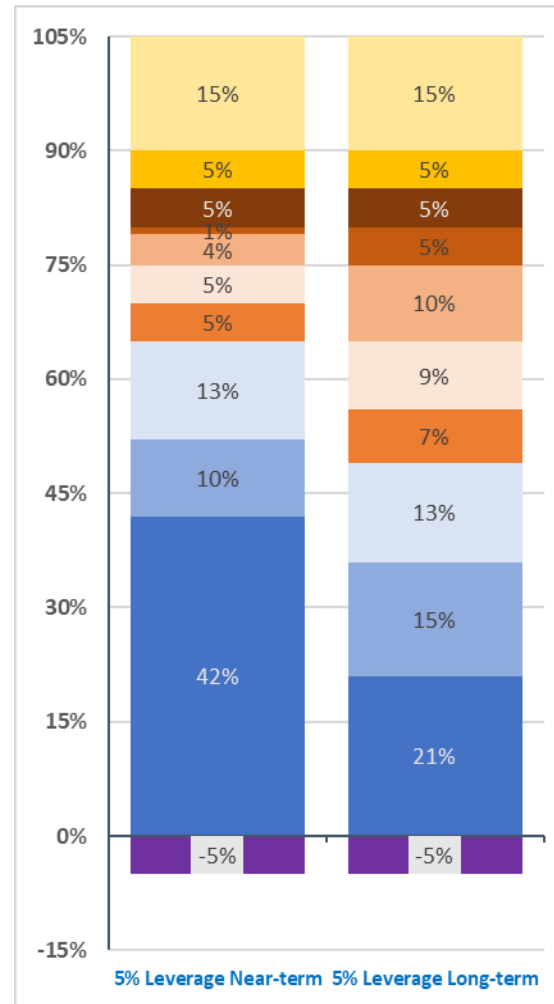
In comparison to other candidate portfolios:

Pros

- Higher returns than current portfolio
- In the long-term, more diversification than unlevered
- Lower contributions

Cons

- More complexity with leverage
- Private asset deployment requires policy changes
- Potential increased exposure to ESG issues
- Higher contribution and funding risk compared to portfolio A and current portfolio



Candidate Portfolio E: highest risk/return, diversified, 5% leverage

Discount rate: 7.0%, Projected Return: 7.0%

Time Horizon	Projected Return	Drawdown Risk	Volatility
20 Years	7.0%	24.5%	12.5%
Near-term	6.4%	28.2%	13.4%
Long-term	7.2%	23.6%	12.2%

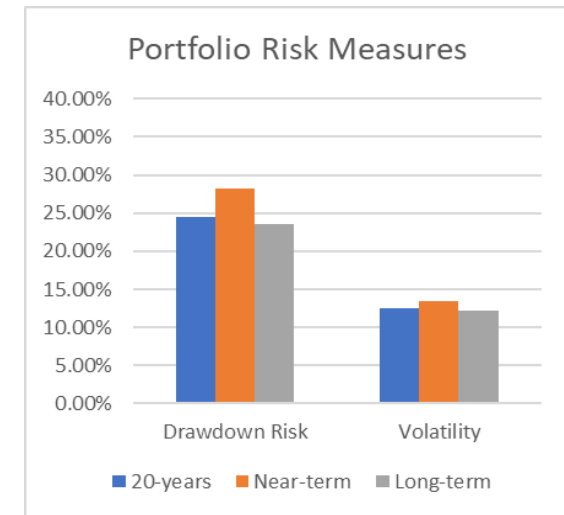
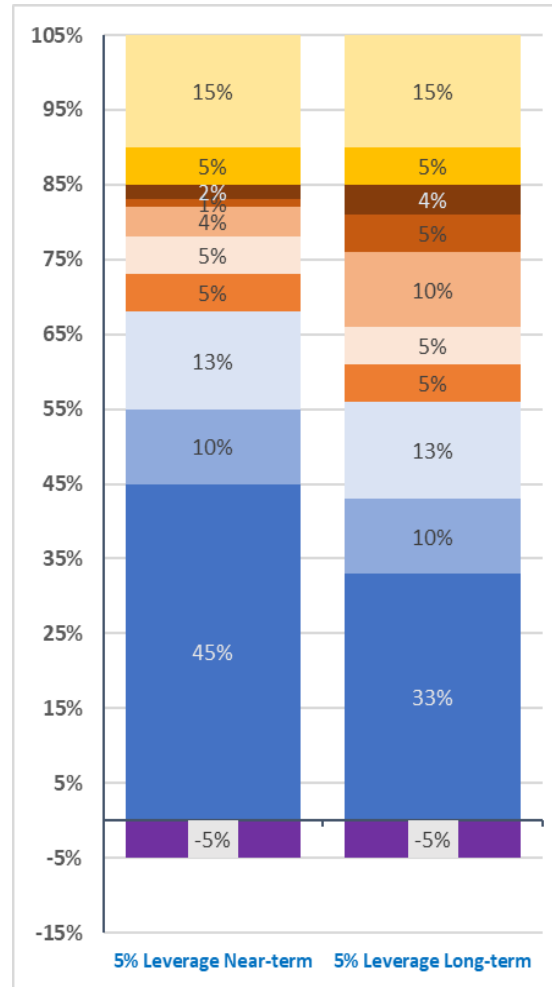
In comparison to other candidate portfolios:

Pros

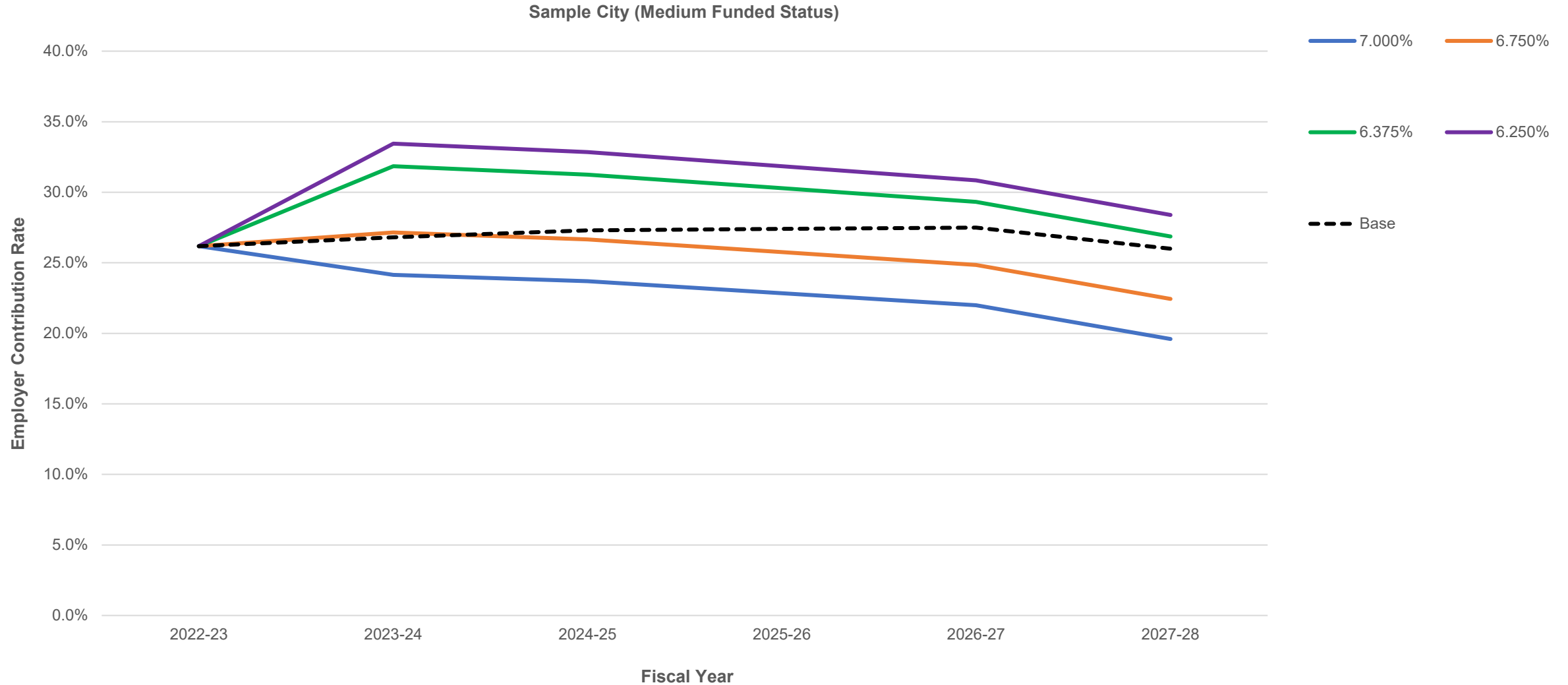
- Highest projected return at 7.0%
- Highest discount rate
- Lowest projected contributions

Cons

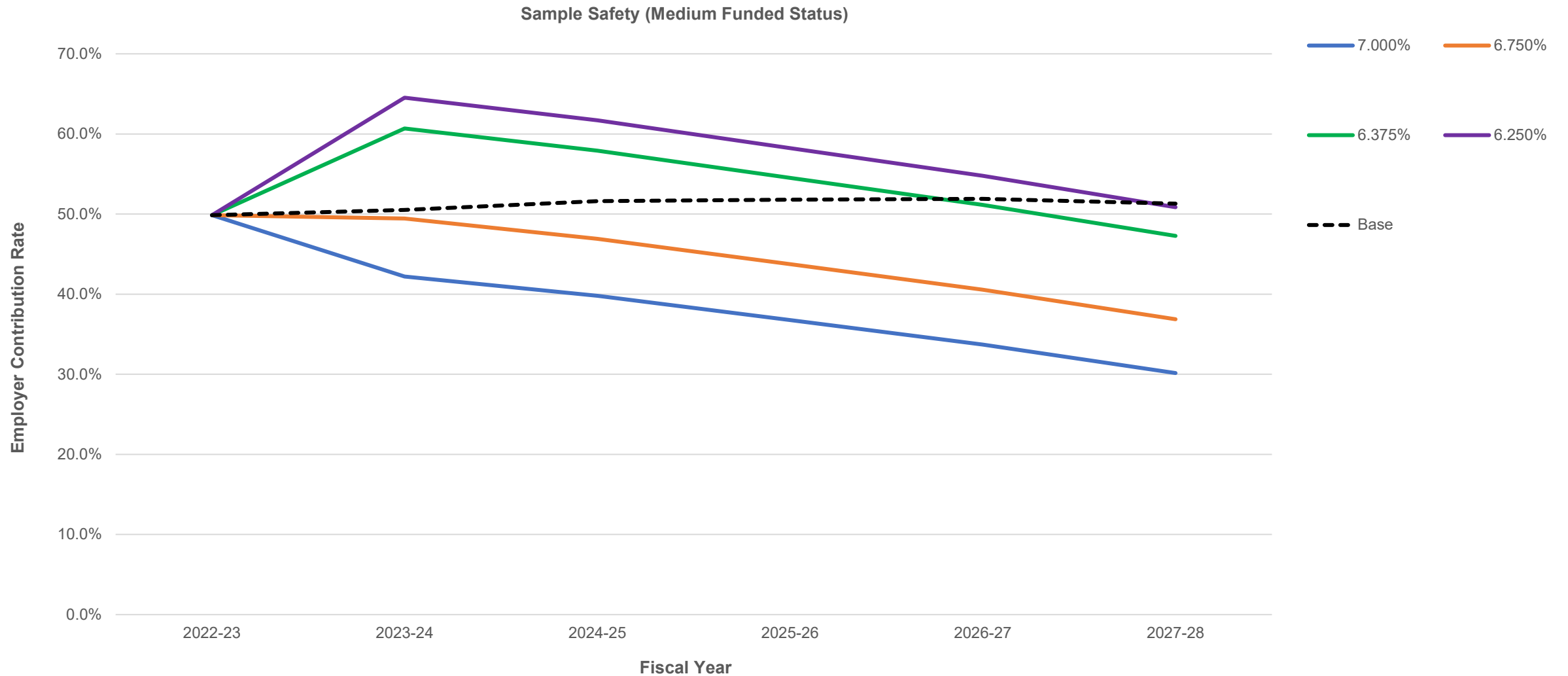
- 7.0% return target not feasible without 5% leverage
- Private asset deployment requires policy changes
- Potential increased exposure to ESG issues
- Higher portfolio, contribution and funding risk compared to portfolio A and current portfolio



Impact on Employer Contribution Rates: Sample City

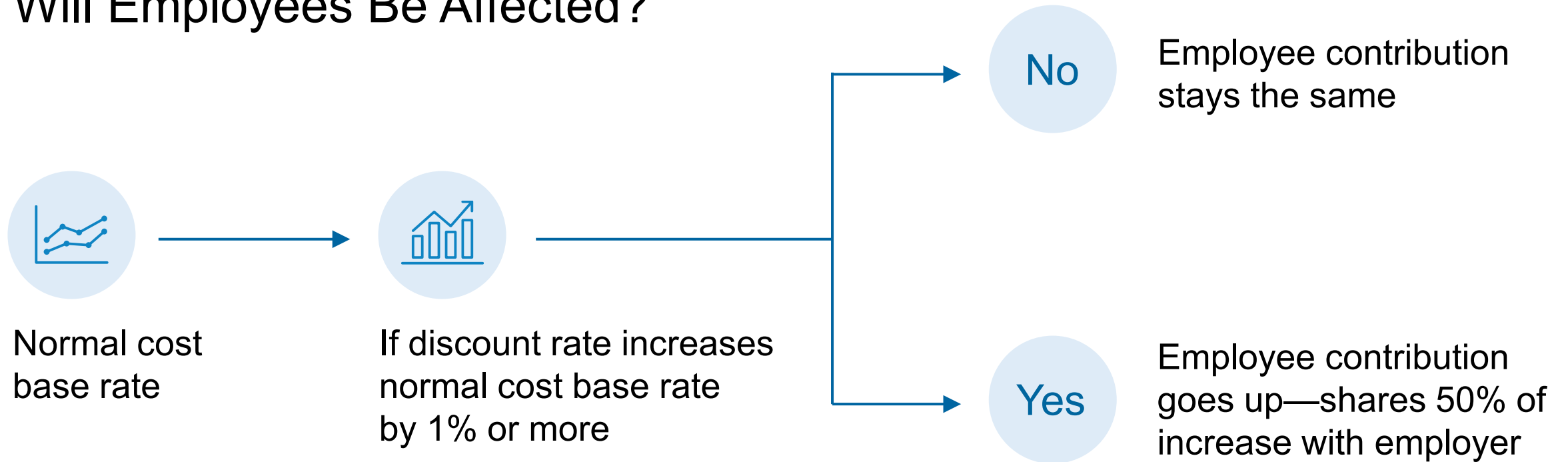


Impact on Employer Contribution Rates: Sample Safety Plan



Potential Impact to PEPRA Contribution Rates

Will Employees Be Affected?

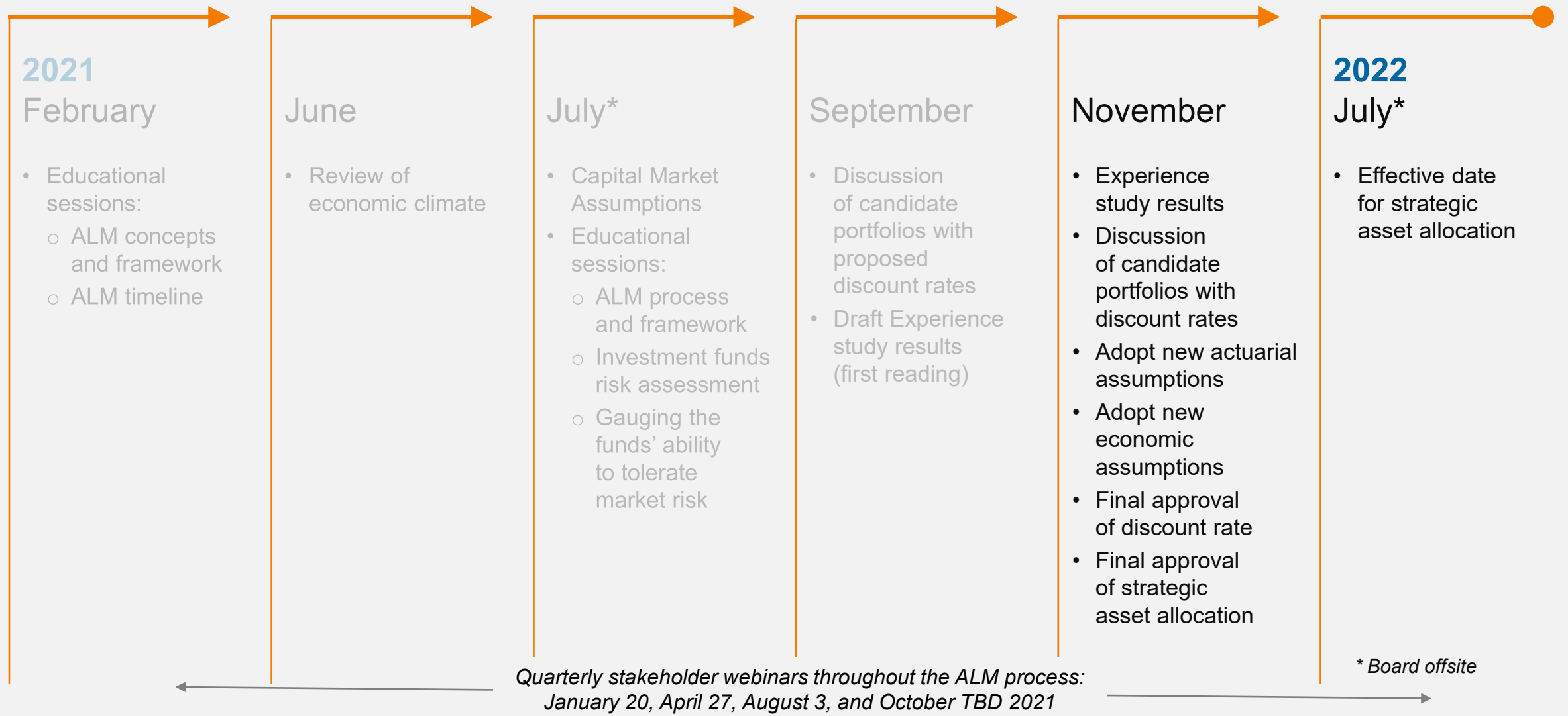


Potential PEPRA Rate Increases

Keys to Remember

- All employees hired after Dec. 31, 2012
- Employees pay 50% of the Normal Cost, with 1% increase threshold
- New MOUs cannot lower 50% cost-share, but can increase it
- Further communication coming when ALM completed
- Contact CalPERS for your plans' specifics

Opportunities for Stakeholder Engagement



November Board Preview

- CIO Search
- Health care plan design
- COVID and CalPERS operations
- Diversity, equity, and inclusion framework
- Upcoming public agency election – April 2022
- Educational Forum Online – October 19-20 – free registration now open

Our Commitment to You



Ongoing
communication



Listening to
employers



Partnerships



Here for you

Q&A

CalPERS_Stakeholder_Relations@calpers.ca.gov



We Serve  CA