# Simiso Nzima, Managing Investment Director September 18, 2023



# Contents



**Program Overview** 



Market Environment



Portfolio Performance and Risk Analysis



**Operational Updates and Key Initiatives** 





Role	<ul> <li>Efficiently capture the equity risk premium, with total returns driven by price appreciation and cash yields</li> <li>Cap Weighted Segment provides exposure to economic growth and offers a reliable source of liquidity</li> <li>Factor Weighted Segment provides exposure to economic growth with reduced overall volatility and some diversification of equity risk</li> <li>Overall: provides capital appreciation over the long-term and is a source of liquidity for cashflow needs</li> </ul>
Key Metrics <sup>1</sup>	<ul> <li>Total AUM: \$209B (73% Cap Weighted, 27% Factor Weighted)</li> <li>84% of assets classified as index-oriented, 16% of assets classified as active</li> <li>94% of assets are internally-managed, 6% of assets externally-managed</li> </ul>
Investment Beliefs	<ul> <li>A long investment horizon is a responsibility and an advantage. (IB 2)</li> <li>Long-term value creation requires effective management of three forms of capital: financial, physical, and human. (IB 4)</li> <li>CalPERS will take risk only where we have a strong belief we will be rewarded for it. (IB 7)</li> <li>Costs matter and need to be effectively managed. (IB 8)</li> <li>Strong processes and teamwork and deep resources are needed to achieve CalPERS goals and objectives. (IB 10)</li> </ul>

<sup>1</sup> Key metrics as of June 30, 2023







otal Market Value: \$208.8B
■Cap Weighted   73.4%   \$153.3B
■Factor Weighted   26.6%   \$55.4B

#### Total Fund Allocation (%) as of June 30, 2023

	% of Total Fund Actual	% of Total Fund Target
Public Equity	45.1	42 (+/- 7)
Cap Weighted	33.1	30
Factor Weighted	12.0	12

- Global Public Equity is the principal asset class providing growth exposure in the strategic asset allocation. Its • goal is to provide equity beta exposure plus risk-managed systematic and opportunistic alpha
- Program thoughtfully delivers multiple equity betas with low active risk and an efficient cost structure ٠
- 94% of the total portfolio is invested in cost-efficient, internally-managed strategies •





### **Current Concerns**

- Recession fears are slowly dissipating although they still linger in the background
- Inflation has decelerated significantly compared to a year ago, but remains above the Fed's 2% target
- A handful of mega cap names have been driving equity markets, mostly in the technology sector (related to AI)
- Market segments with high valuations are vulnerable to corrections
- Narrow market leadership may present short-term headwinds for active management relative performance
- <u>Risks we are monitoring</u>: lagged impact of higher interest rates on economic activity, geopolitical uncertainty, elevated valuations in some segments of the markets, global growth, depletion of consumer excess savings

### **Investment Themes**

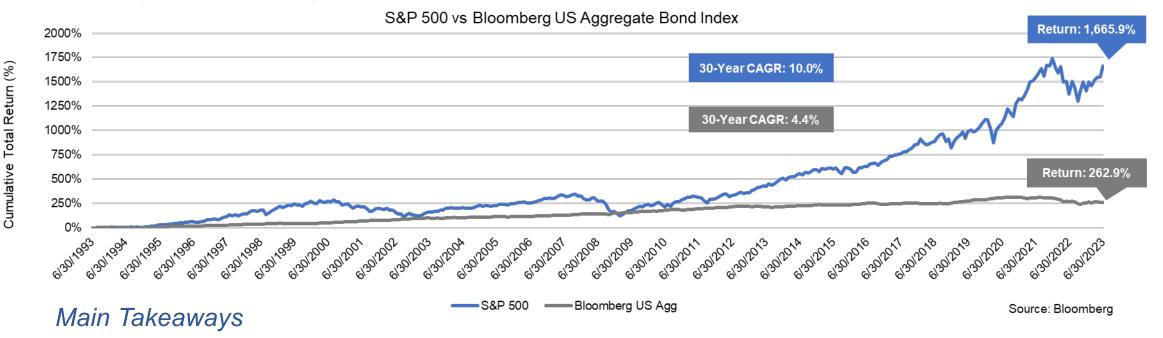
- Long-term investment horizon gives us the ability to withstand short-term market volatility, while prudently
  increasing active risk to seek to add value
- Examine regional market efficiency disparities and prioritize active management in less efficient markets





# Market Dynamics: Equity Risk Premium

### Over the long-term, the equity risk premium has been rewarded

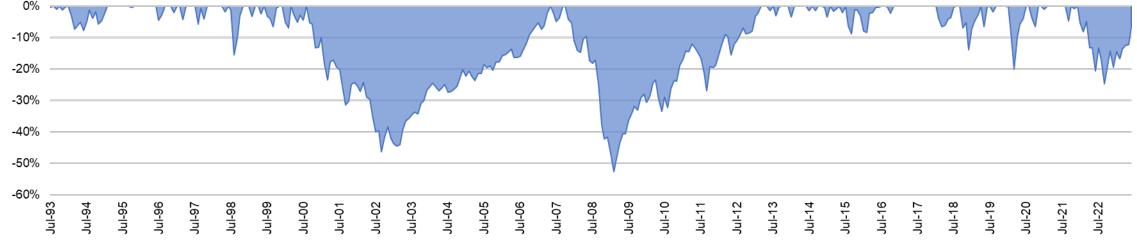


- Over the long-term, equities deliver capital appreciation and have generated positive absolute returns despite periods of intermediate drawdowns
- Long-term investment horizons strengthen ability to prudently increase active risk and add value



# Market Dynamics: Equity Volatility & Drawdowns

Volatility and Drawdowns are regular features of equity markets



### S&P 500 Historical Drawdown

### Main Takeaways

Source: FactSet

- Equity markets undergo periods of heighted volatility and drawdowns
- Despite delivering strong annualized returns of 10% per year over the 30-year period (shown on prior slide), the S&P 500 index suffered significant drawdowns of 20 50% during the period
- · A short-term focus will likely lead to suboptimal decisions and limit ability to add value
- Market volatility presents favorable entry points for long-term investors like CalPERS and richer opportunities for active strategies



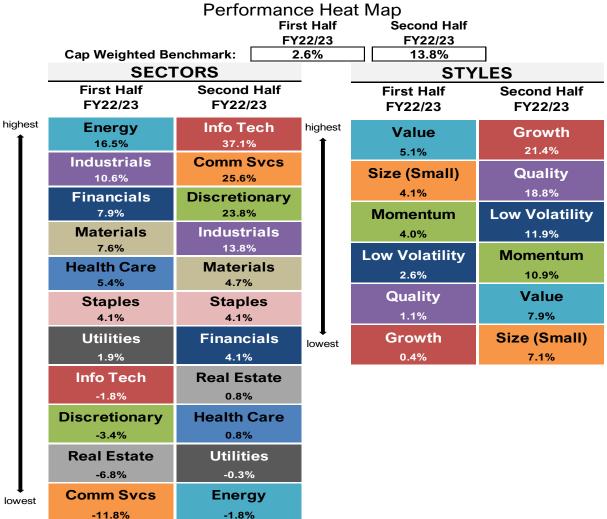


# Market Environment: FY 2022-23 was a tale of two halves

# FY 2022-23 was characterized by sharp reversals and narrow market breadth

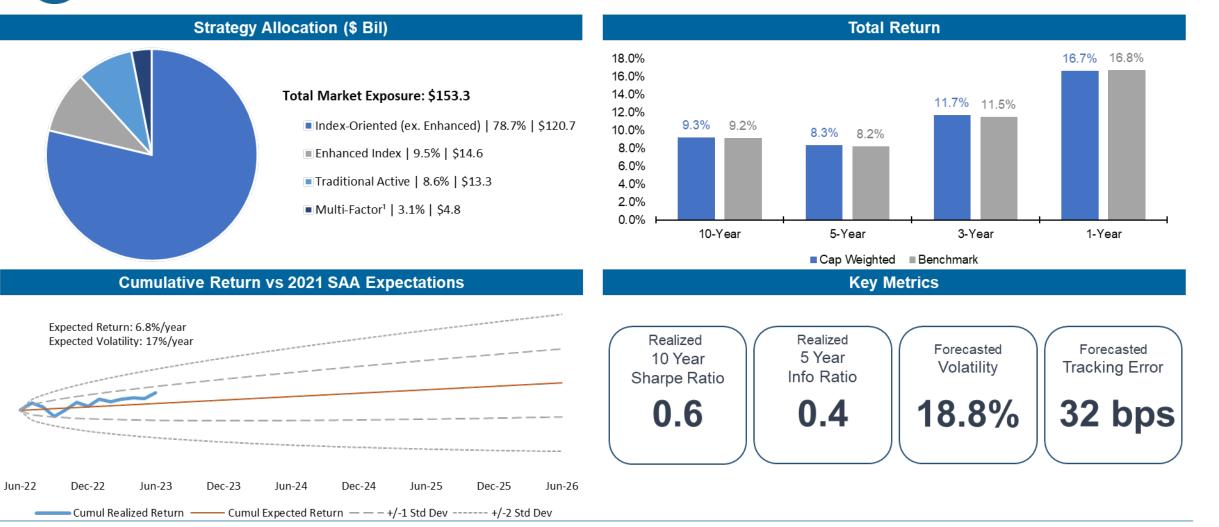
- Many of the themes that worked in the first half of the fiscal year sharply reversed in the second half
- Narrow market leadership during the second half of the fiscal year was driven by a handful of mega cap stocks

	Absolute Returns (%)			Excess Returns (Bps)		
	1st Half FY22/23	2nd Half FY 22/23	FY 22/23	1st Half FY22/23	2nd Half FY 22/23	FY 22/23
Public Equity Cap Weighted	2.68	13.61	16.66	11	(22)	(11)
Index Oriented ex Enhanced	2.61	13.53	16.49	3	3	6
US Enhanced	2.61	16.22	19.26	30	(54)	(20)
Traditional Active	3.87	12.49	16.84	123	(102)	34
Multi Factor	3.74	10.68	14.81	116	(316)	(196)





# Cap Weighted Segment (as of June 30, 2023)



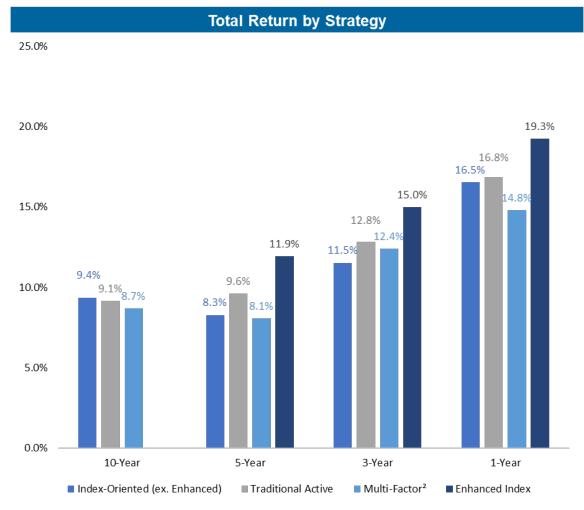


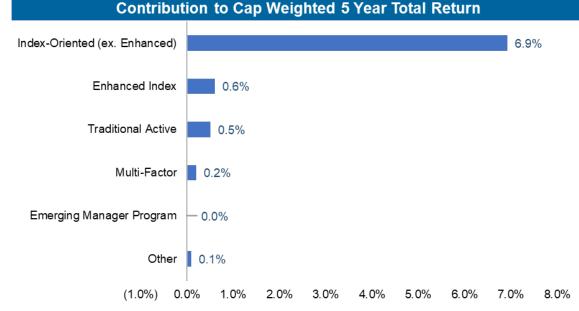
Note: All performance reported net of investment expenses and annualized unless noted otherwise. Public Equity benchmarks are net of taxes. Risk measures are calculated using monthly returns. <sup>1</sup> The Multi-Factor strategy transitioned from Alternative Beta in 2019.



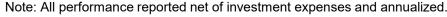
CalPERS

### Portfolio Performance | Cap Weighted Total Return by Strategy (as of June 30,2023)





	Average Allocation	Return	Contribution to Return
Cap Weighted		8.3%	8.3%
Index-Oriented (ex. Enhanced)	80.1%	8.3%	6.9%
Enhanced Index	5.0%	11.9%	0.6%
Traditional Active	8.2%	9.6%	0.5%
Multi-Factor <sup>2</sup>	4.6%	8.1%	0.2%
Emerging Manager Program	0.9%		
Other <sup>1</sup>	1.3%		0.1%

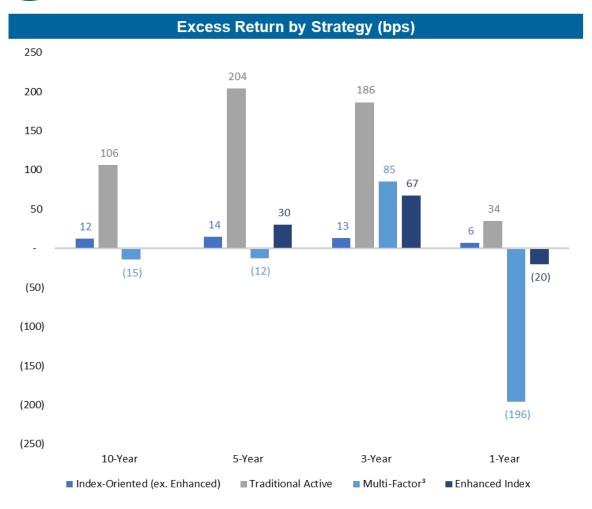


<sup>1</sup> Other includes impact from allocations to defunded strategies.

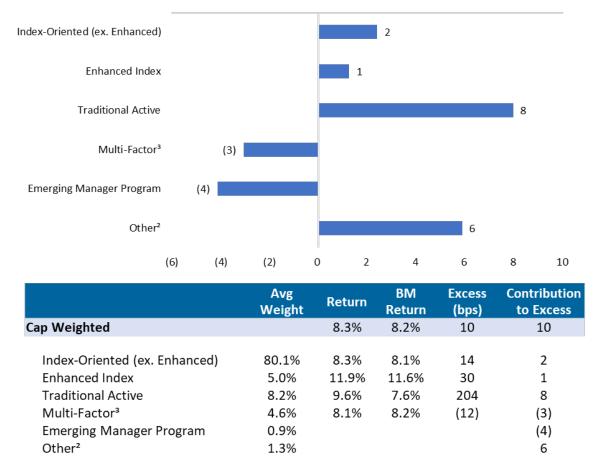
<sup>2</sup> The Multi-Factor strategy transitioned from Alternative Beta in 2019.



Portfolio Performance | Cap Weighted Excess Return by Strategy (as of June 30, 2023)



#### Contribution to Cap Weighted 5Y Excess Return<sup>1</sup> (bps)



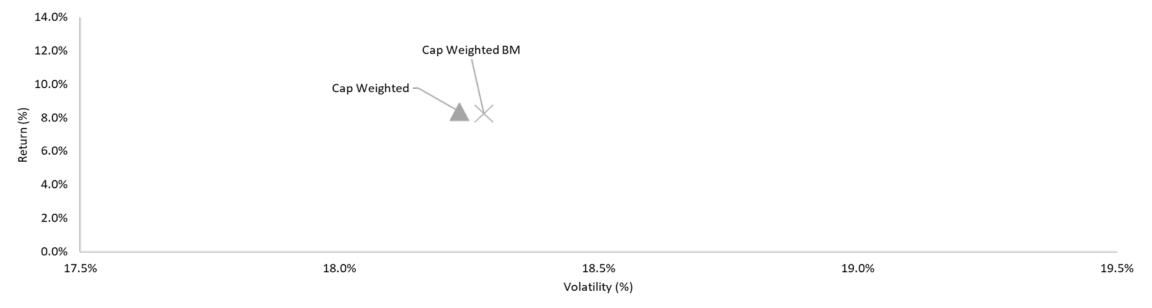
Note: All performance reported net of investment expenses and annualized. Public Equity benchmarks are net of taxes.

<sup>1</sup> Strategy contribution to excess excludes the impact of income from securities lending, which is reflected in "Other."

<sup>2</sup> Other includes impact from allocations to defunded strategies, income from securities lending, and allocation management.

<sup>3</sup> The Multi-Factor strategy transitioned from Alternative Beta in 2019.

# 5 Year Cap Weighted Risk-Return (as of June 30, 2023)





	Return	Volatility	Sharp Ratio	Tracking Error (bps)	Information Ratio
Cap Weighted	8.3%	18.2%	0.37	25	0.40
Index-Oriented (ex. Enhanced)	8.3%	18.1%	0.37	10	1.43
Enhanced Index	11.9%	19.3%	0.54	69	0.43
Traditional Active	9.6%	17.8%	0.45	249	0.82
Multi-Factor <sup>1</sup>	8.1%	17.6%	0.37	186	(0.07)



Note: All performance reported net of investment expenses and annualized. Public Equity benchmarks are net of taxes. Risk measures are calculated using monthly returns. <sup>1</sup> The Multi-Factor strategy transitioned from Alternative Beta in 2019.



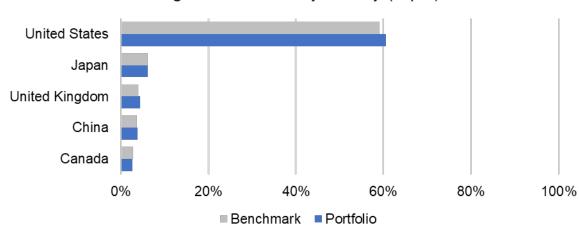
# Cap Weighted Risk Summary (as of June 30,2023)

Segment Risk Statistics (Forecasted)		
Forecasted Volatility	18.8%	
Benchmark Volatility	18.9%	
Tracking Error	0.32%	
Portfolio Beta (to Bmk)	1.0	

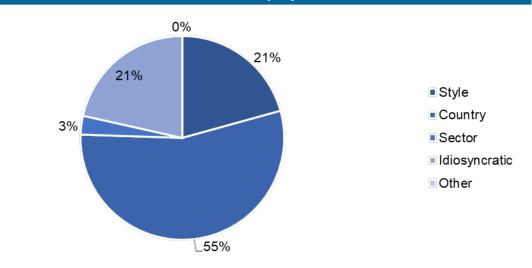
Risk Decomposition (Forecasted)					
	Portfolio Risk Contribution	% Risk	Active Risk Contribution	% Risk	
Total Segment Risk	18.8%	100.0%	0.32%	100.0%	
Equity	17.7%	94.5%	0.29%	90.1%	
Foreign Exchange	1.0%	5.6%	0.03%	9.5%	
Rates	0.0%	0.0%	0.00%	0.2%	
Spreads	0.0%	0.0%	0.00%	0.0%	

#### Segment Allocation by Country (Top 5)

Segment Allocation by Country (Top 5)



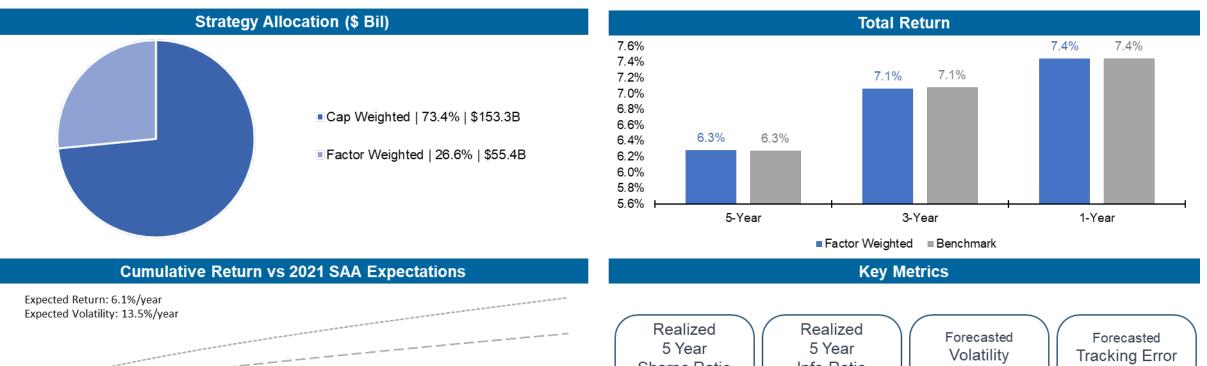
#### Active Risk from Equity Factor







# Factor Weighted Segment (as of June 30, 2023)



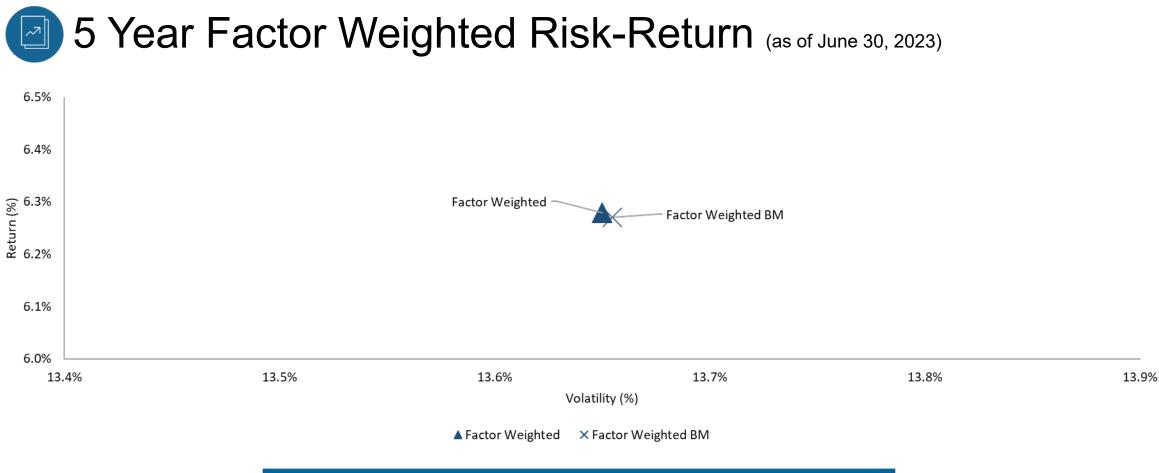
Jun-22 Dec-22 Jun-23 Dec-23 Jun-24 Dec-24 Jun-25 Dec-25 Jun-26 Cumul Realized Return — Cumul Expected Return — — +/-1 Std Dev ------ +/-2 Std Dev





Note: All performance reported net of investment expenses and annualized unless noted otherwise. Public Equity benchmarks are net of taxes. Risk measures are calculated using monthly returns.

**Global Public Equity Annual Program Review** 



	Return	Volatility	Sharp Ratio	Tracking Error (bps)	Information Ratio
Factor Weighted	6.3%	13.7%	0.35	10	0.08



Note: All performance reported net of investment expenses and annualized unless noted otherwise. Public Equity benchmarks are net of taxes. Risk measures are calculated using monthly returns.



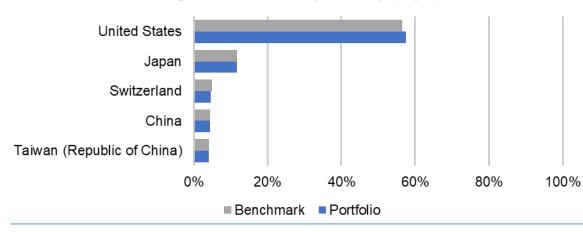
# Factor Weighted Risk Summary (as of June 30, 2023)

Segment Risk Statistics (Fo	orecasted)	
Forecasted Volatility	14.1%	
Benchmark Volatility	14.2%	
Tracking Error	0.04%	
Portfolio Beta (to Bmk)	1.0	

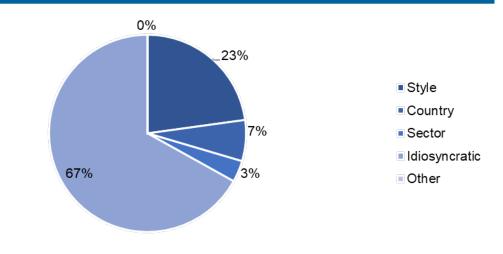
Risk Decomposition (Forecasted)					
	Portfolio Risk Contribution	% Risk	Active Risk Contribution	% Risk	
Total Segment Risk	14.1%	100.0%	0.04%	100.0%	
Equity	13.6%	96.3%	0.04%	101.4%	
Foreign Exchange	0.5%	3.7%	0.00%	-1.4%	
Rates	0.0%	0.0%	0.00%	0.0%	
Spreads	0.0%	0.0%	0.00%	0.0%	

#### Segment Allocation by Country (Top 5)

Segment Allocation by Country (Top 5)













What Worked



- Efficiently implemented Strategic Asset Allocation (SAA) targets, deployed additional capital to active strategies, and reweighted the multi-factor strategies in a risk-controlled manner
- Delivered strong absolute (total) returns for the 1-, 3-, 5-, and 10-year horizons
- Delivered strong relative returns (positive excess returns) for the 3-, 5-, and 10-year horizons

### Areas for Refinement



- Continue to refine the strategy search process to improve the opportunistic deployment of capital
- Collaborate with TFPM in the assessment of the continued utility of the factor weighted segment as part of the Mid-Cycle Strategic Asset Allocation review





- Deploy capital to further diversify active equity strategies and efficiently capture the equity risk premium
- Continue to refine the strategy search process to improve the opportunistic deployment of capital
- Collaborate with Sustainable Investments to develop INVO's Net Zero by 2050 Strategy
- Collaborate across Capital Markets teams to implement Strategic Alliance work
- Participate in the evaluation and selection of analytical systems aimed to improve Capital Markets' and Total Fund's base capabilities



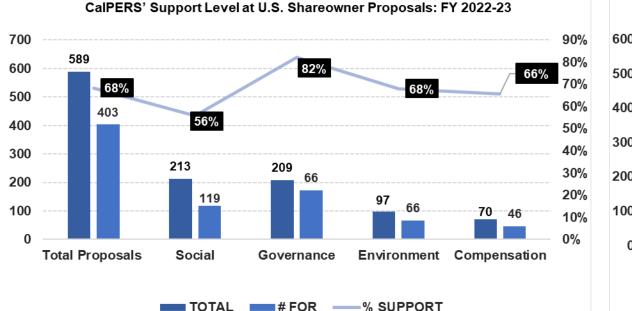


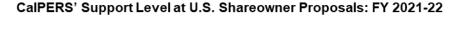
### Integration of Governance and Sustainability

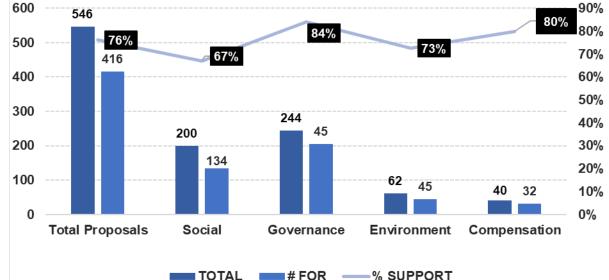
Proxy Voting	<ul> <li>Votes all public company proxies in a manner consistent with CalPERS' Governance &amp; Sustainability Principles and CalPERS Investment Beliefs</li> </ul>
Engagement	<ul> <li>Actively engages portfolio companies on compensation, corporate board diversity, climate change, human capital management, other governance and sustainability considerations to promote long-term value creation</li> </ul>
Partnerships	<ul> <li>Use external and internal partnerships to actively engage global asset owners and managers, companies, data providers, regulators, and standards-setting bodies</li> </ul>
Research	<ul> <li>Continuous research, development, and integration of best practices, proxy voting enhancements, and evolution of Governance &amp; Sustainability Principles</li> </ul>



### Governance & Sustainability | Proxy Voting & Corporate Engagement





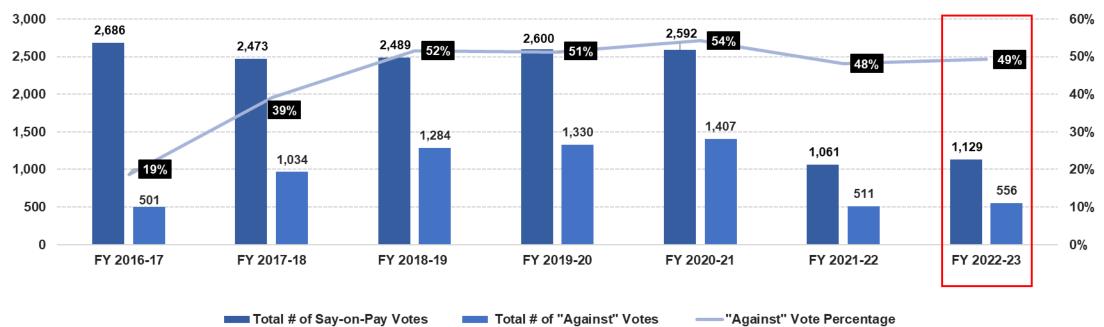


• During FY 22-23 voted 9,054 meetings covering 88,983 individual voting/ballot items

- Voted "against" 768 directors globally (Nominating/Governance Committee Members) at companies where staff identified diversity concerns related to board composition (voted "against" 133 directors in FY 21-22)
- Engaged 400+ companies on executive compensation, corporate board diversity, climate change, investor rights, human capital management
- Continued to support shareholder proposals that are aligned with CaIPERS' Governance & Sustainability Principles (GSPs)



### Governance & Sustainability | U.S. Executive Compensation Votes



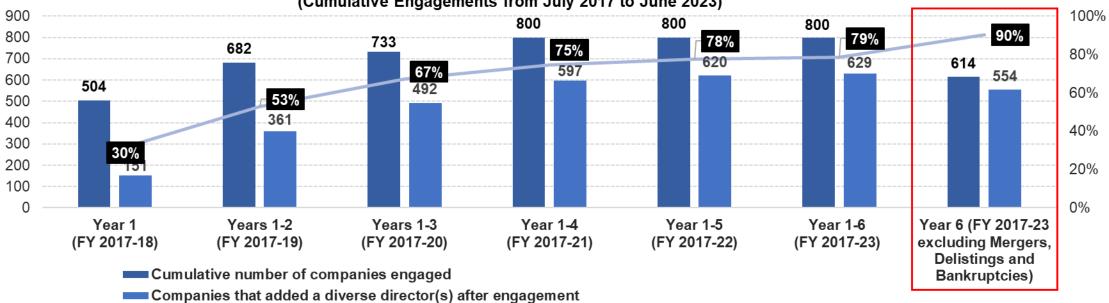
#### CalPERS' U.S. Executive Compensation Votes: FY 2016-17 to FY 2022-23

 In addition to voting against 49% of say-on-pay proposals in FY 22-23, CalPERS voted "against" 1,392 compensation committee members, holding them accountable for poor pay-for-performance alignment (voted "against" 1,342 directors in FY 21-22)





### Governance & Sustainability | Corporate Board Diversity Cohorts



#### CalPERS U.S. Corporate Board Diversity (Cumulative Engagements from July 2017 to June 2023)

 79% of companies engaged since July 2017 have since added at least one diverse director to their boards. Excluding delisted, acquired, and bankrupt companies, 90% of companies engaged have added at least one diverse director to their boards





# Governance & Sustainability | Climate Risk Oversight

#### Climate Action 100+ Initiative

- The Initiative has over 700 signatories with more than \$68 trillion in assets engaging 171 of the world's largest GHG emitters
- CalPERS continues to lead engagement at 20 of the 171 focus companies, plus leadership responsibilities for the Initiative
- CalPERS filed/co-filed 2 shareowner proposals at CA100+ companies (1 withdrawn, 1 achieved 27% support)
- Over 75% of CA100+ companies have now set a net zero by 2050 target or ambition
- Over 90% of CA100+ companies have taken steps to align reporting with Taskforce on Climate related Financial Disclosure (TCFD) recommendations

#### Climate Action 100+ Engagement Goals

- Investor signatories are requesting the boards and senior management of companies to:
- Improve the governance of climate-related risks and opportunities
- Curb greenhouse gas (GHG) emissions across the value chain to be consistent with net-zero by 2050
- Strengthen climate-related financial disclosures in line with the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD)

#### Proxy Voting at High Greenhouse Gas (GHG) Emitting Portfolio Companies

- New for 2023, CalPERS enhanced its proxy voting approach to consider specific climate-related criteria to hold directors accountable at our top 350 emitting companies in the portfolio
- These 350 companies account for more than 85% of total portfolio Scope 1&2 emissions and over 50% of Scope 3 emissions
- As a result, CalPERS voted "against" 289 directors at 97 companies (of the 350 companies)
- CalPERS staff will seek to engage with the 97 companies in second-half 2023



# Governance & Sustainability | Event Driven Engagements: Human Capital Management

Staff systematically monitors the market for emerging issues which may affect portfolio companies' ability to create value, and initiates engagements as appropriate in alignment with CaIPERS' Governance & Sustainability Principles.

#### **Child Labor Issues**

- Staff contacted 12 portfolio companies (represented market value of \$9.5 billion) with recent allegations of child labor issues
- The companies noted that violations were tied to "third-party" vendors in company supply chain
- Staff emphasized to companies the need for improved oversight of their supply chains
- Staff will continue to monitor the companies leading into the 2024 proxy season and will consider voting against board members in cases where there is no discernable progress

### **Freedom of Association**

- Staff engaged 10 companies on freedom of association/labor related issues with pending shareowner proposals
- In 2023, staff voted on 11 freedom of association/labor related shareowner proposals
  - o CalPERS supported all 11 proposals which were aligned with our Governance & Sustainability Principles
  - Engaged 10 of the 11 companies
  - One proposal passed with 52% support (Starbucks)

