# Investment Performance Review and Strategy

Investment Committee September 19, 2022



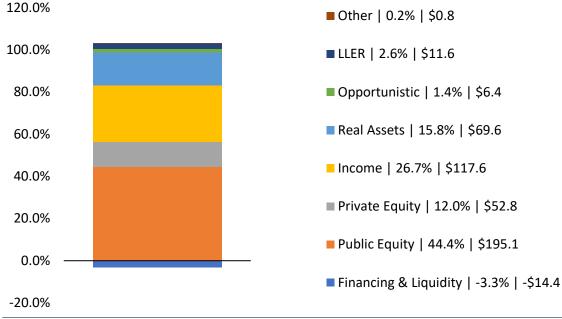
# Today's Agenda

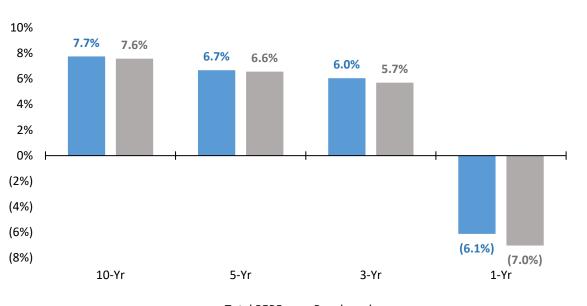
- 1. PERF Performance and Risk Snapshot
- 2. Review of 10-Yr Performance
  - Relative to Expectations
  - Relative to Peers
  - By Asset Class / Program
- 3. Lessons Learned
- 4. Path Forward



# PERF Performance and Risk Snapshot (as of June 30, 2022)

#### Asset Allocation (\$Bil)





Performance

■ Total PERF ■ Benchmark





\*All performance reported net of investment expenses and annualized. Public Equity benchmarks are net of taxes. \*\*Risk measures are calculated using monthly returns.

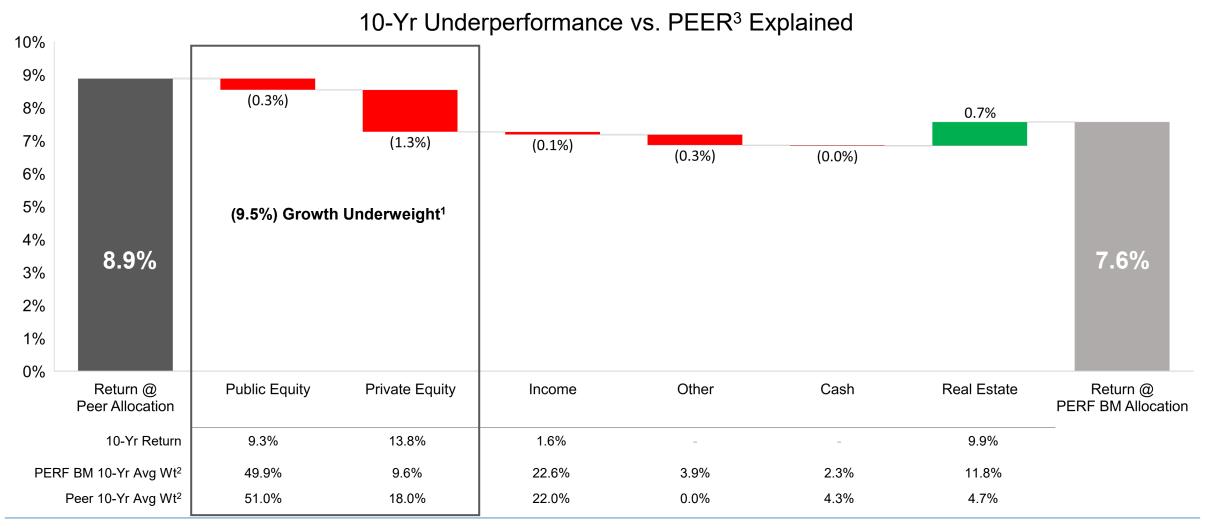


	Expected Realized	Difference
Annualized Return	7.6% 5.6%	(2.0%)
Volatility	11.7% 5.5%	(6.2%)



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#### **Returns Lower than Peers**



\* PERF asset class benchmark returns were used for all calculations.

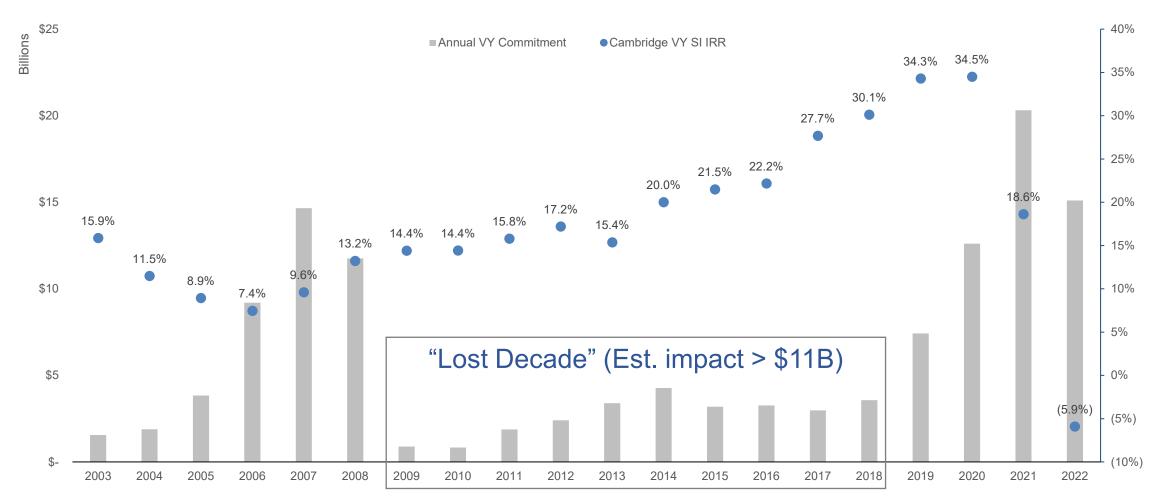
**CalPERS** 

<sup>1</sup> Underweight is based on the 10-Yr average weights shown in the table.

<sup>2</sup> 10-Yr average weights represent the average monthly weights used for Peer Allocation and PERF BM Allocation return calculations.

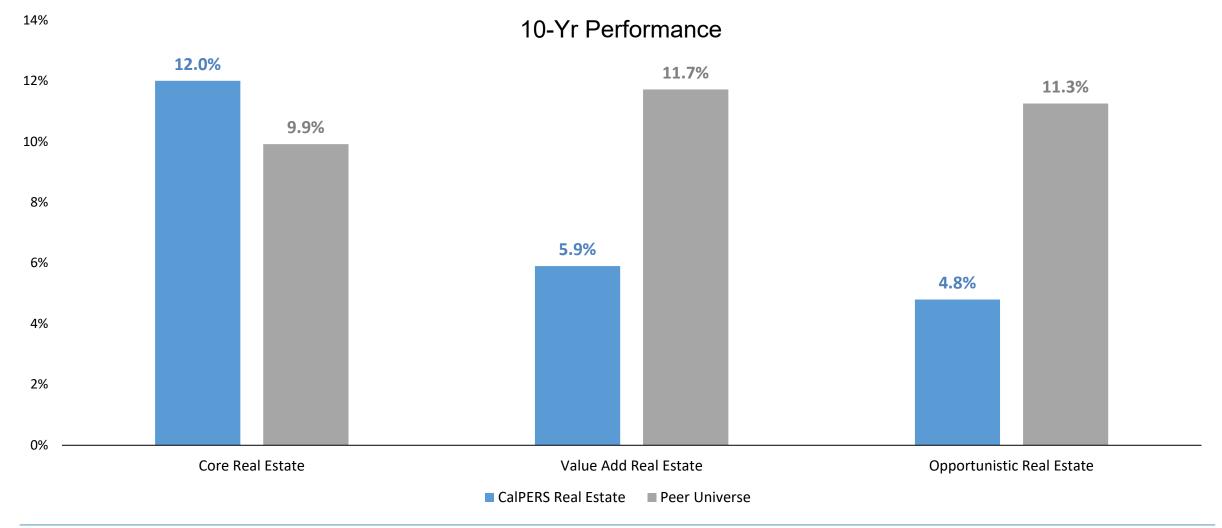
<sup>3</sup> "Peer" is a hypothetical portfolio informed by Wilshire Peer Universe data for US pension plans > \$10B

# Inconsistent Pacing Impacted Private Equity Return





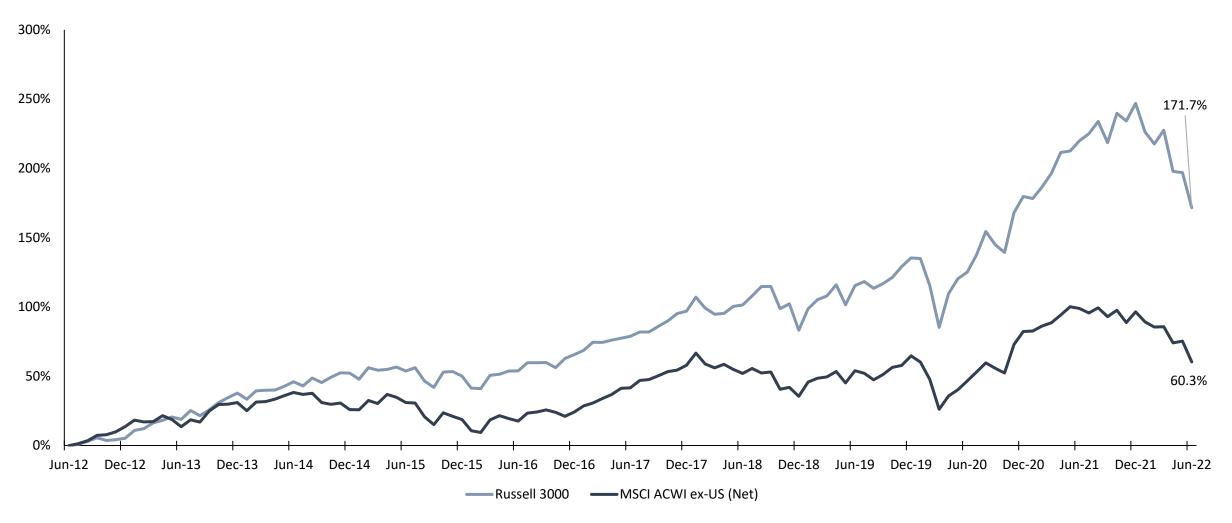
# Value Add and Opportunistic Real Estate Underperformed



\* Returns are as of 3/31/2022. Peer universe for Core RE is the NCREIF ODCE. Peer universe for Value Add and Opportunistic RE is Cambridge Associates.

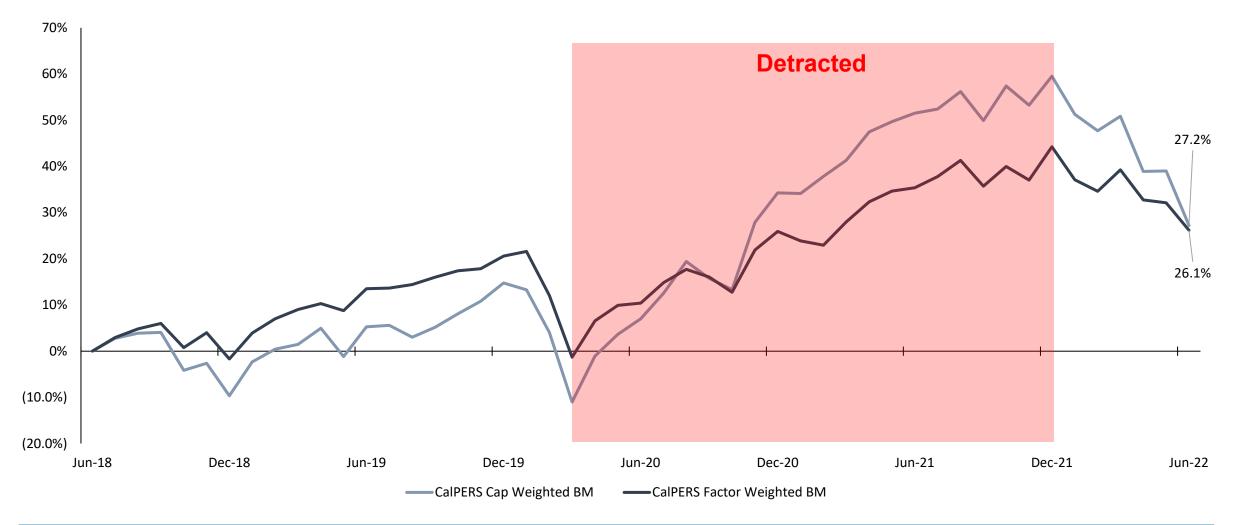


#### Larger Allocation to International Generated Lower Public Equity Returns



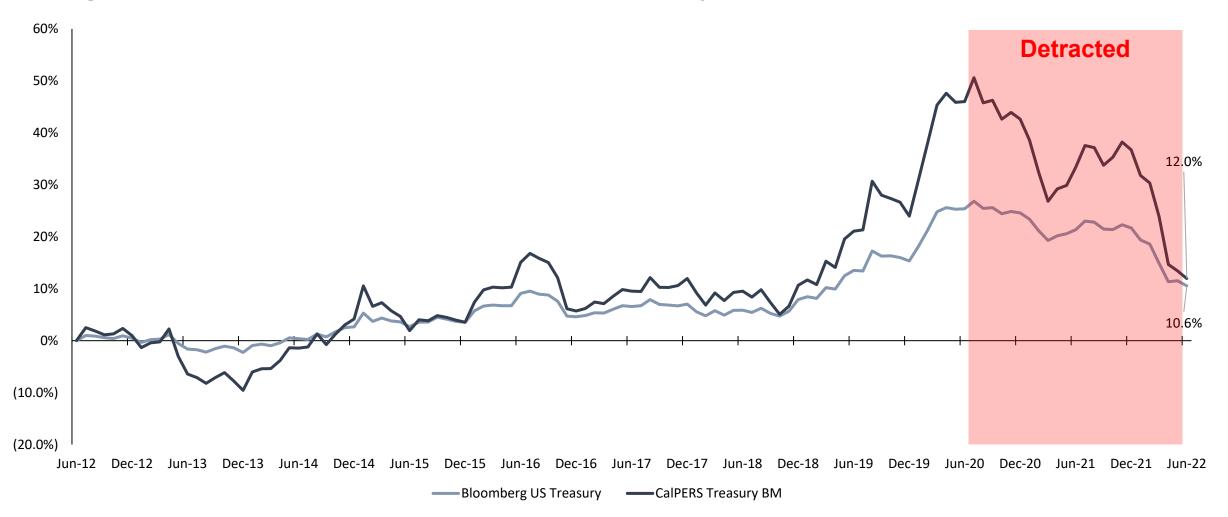


# Factor Weighted Marginally Detracted with Lower Volatility



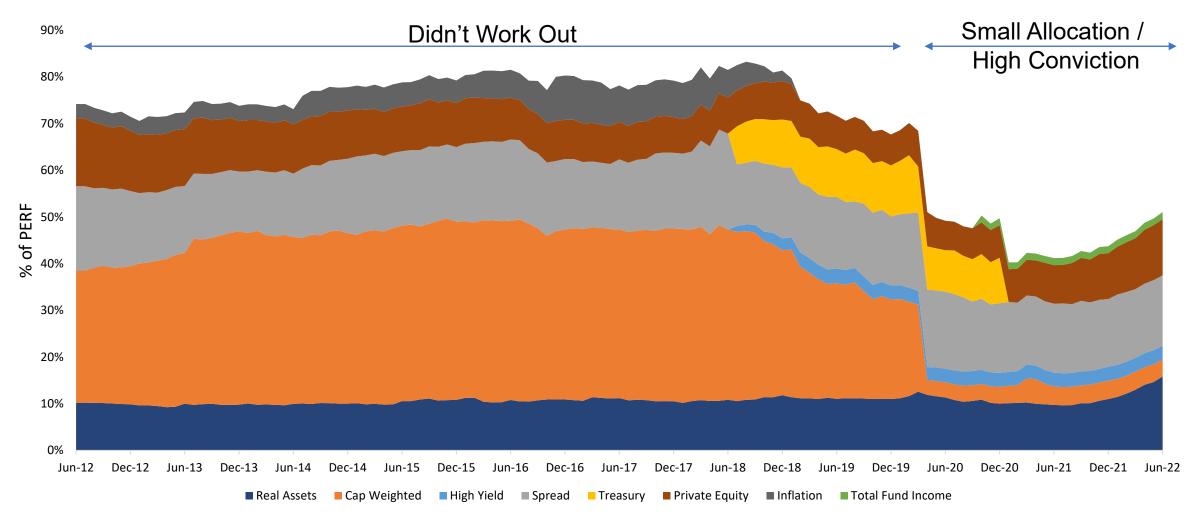


#### Long Duration Detracted More Recently





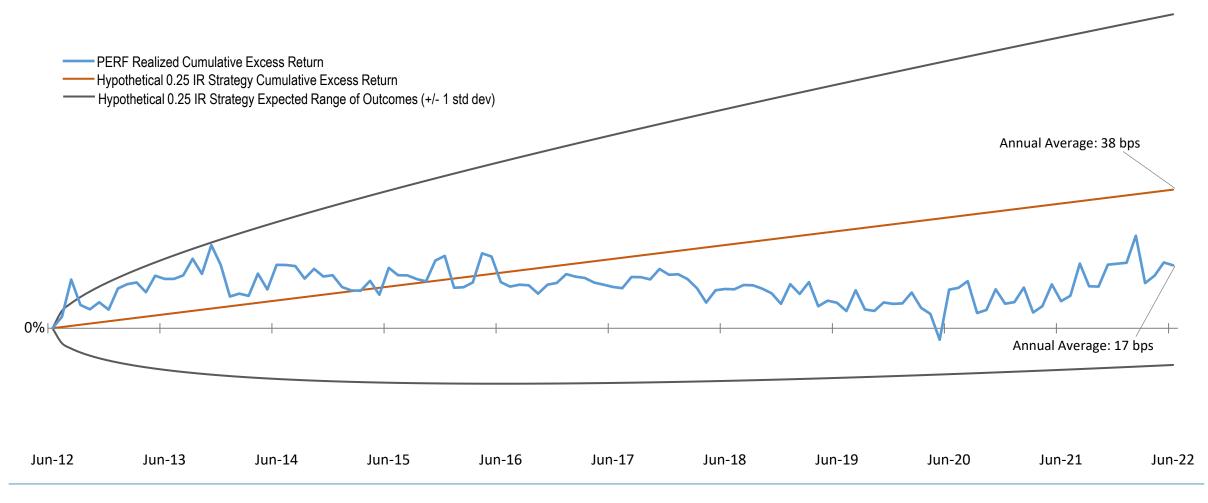
#### Deployment of Capital to Active Strategies Reduced in 2019 But Was Not Replaced





#### Active Management Did Not Consistently Add Value

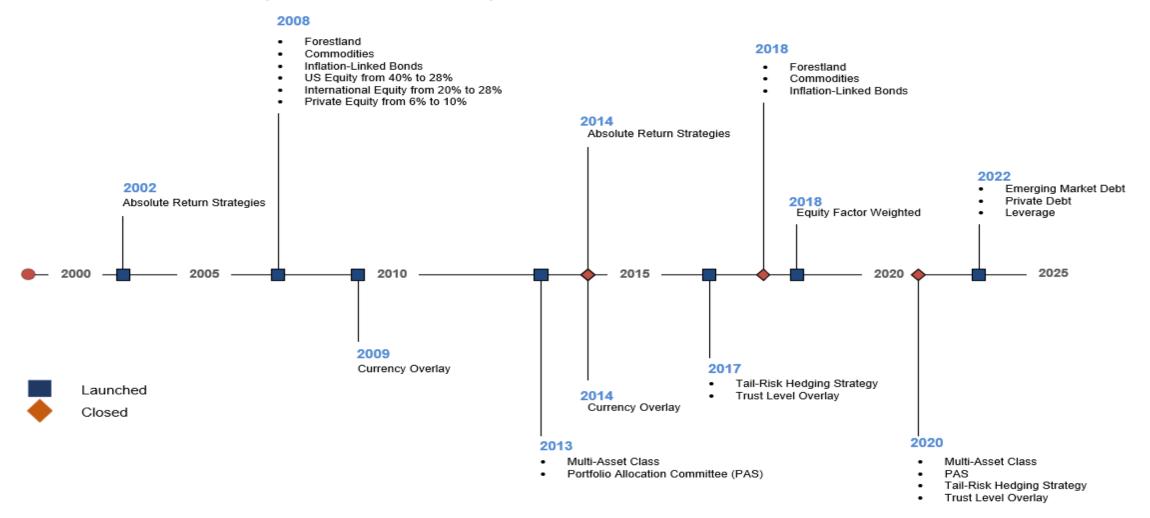
PERF Realized Excess vs. a Hypothetical 0.25 Information Ratio Strategy with 150 bps Expected Tracking Error





\*All performance reported net of investment expenses.

# Frequent Changes in Strategies Detracted from Return





#### Summary of 10-Year Analysis

- Returns Have Been Lower Than Expectations Over the Last Two ALM Cycles
- Performance Has Underperformed Peers
- Inconsistent Pacing Impacted Private Equity Returns
- Value Add and Opportunistic Real Estate Underperformed Both the Core Universe and Peers
- The Decision to Increase Allocation to International Equities Generated Lower Returns
- Public Equity Factor-Weighted Segment Marginally Detracted Value
- Long Duration Fixed Income Generally Performed Well But More Recently Detracted Value
- Deployment of Capital to Active Strategies Did Not Consistently Add Value



# Lessons Learned Will Serve to Build Path Forward

Lessons Learned						
PERF underperformed expectations	Inconsistent strategy deployment and implementation detracted from total return	Lack of a formal total fund framework to manage active risk resulted in ineffective strategy deployment	Ineffective governance impacted the ability to stay the course			
Path Forward						
Current strategic asset allocation will be reevaluated more dynamically and frequently	Define our long-term strategy and build the organization and culture to support consistent implementation	Prioritize development of a framework to build an innovative and resilient active portfolio	Develop a robust governance framework that results in disciplined investment decision-making			



