# Investment Office Roadmap and Target Operating Model Update

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**Investment Committee** 

May 15, 2017





### **INVO 2020 Vision**

#### 2020 Focus:

- ✓ Reduce cost, complexity, and risk
- ✓ Fewer, but more strategic partnerships with external managers.



#### Mission

Manage the CalPERS investment portfolio in a **costeffective**, **transparent** and **risk-aware** manner in order to generate returns to pay benefits.

#### Vision

- The Investment Beliefs and CalPERS Core Values are the guiding principles underlying our investment decisions.
- We operate with a focus on repeatable, predictable, and scalable portfolios and practices.
- We seek alignment of interests with our primary stakeholders, our business partners, and ourselves.
- We use clearly articulated performance, risk, and cost metrics to evaluate our value-add to the funds.
- Our investment and business activities are supported by a solid platform of effective risk management and controls.

#### S20 Z20 Vision

### INVO 2020 Vision | Enterprise Alignment





#### O20 E20 Vision

### INVO 2020 Vision | Steps

Enhanced
Governance and
Organizational
Structure

2016-17

Disciplined Risk and

Review Benchmarks,

key unintended risks, !

Attribution Review

asset class roles

2015-16

Formalize <u>Trust Level</u>
Investment Decision
Making

goals of the broader organization

**Refined Strategic** 

**Objectives** 

New Mission and Vision statements

More active Liquidity management

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2017-18

**Enhanced** 

Trust-level

**Decision** 

Making

Refine Trust-level Capital Allocation

Better Exploit Structural Alpha

Asset Allocation aligned with liabilities (Risk Factor work)

Legacy Portfolio Mgmt.

Scalable, Repeatable, and Reliable Processes

2018-19

More <u>flexible</u> portfolio structure (unitized)

Begin to implement new private asset business models, if appropriate

Legacy Portfolio Mgmt. Factor-based Portfolio and Investment Process

2019-20

<u>Reduced risk</u> and improved sustainability

Active Leverage Management

Fewer, but more strategic, partners





### INVO 2020 Vision | Enhanced Governance

Four subcommittees support the <u>Investment Strategy Group</u> role as the primary deliberative body for investment strategies and decisions



#### **Trust-Level Risk and Attribution**

Co-Chairs: Kevin Winter, Michael Krimm

Ensures investment risks are intended, understood, and compensated





#### **Portfolio Allocation**

Chair: Eric Baggesen

Provides an organized approach to making asset class rebalance and dynamic position decisions



### **Governance and Sustainability**Co-Chairs: Dan Bienvenue, Anne Simpson

Ensures ESG risk considerations are integrated into the investment-decision making process



#### **Trust-Level Investment Review**

Chair: Paul Mouchakkaa

Provides a trust-level decision process and framework for the review of non-core programs, business models, assets and investments



### INVO 2020 Vision | 2016-17 Roadmap Update

| Strategic Objective                         | 2016-17 Initiative Goals   | 2016-17 Highlights  |
|---|--|---|
| Business<br>Effectiveness                   | <ul> <li>Continue progress in reducing complexity</li> <li>Claim compliance with Global Investment<br/>Performance Standards (GIPS)</li> <li>Enhance the efficiency of the investment<br/>program</li> </ul>                           | <ul> <li>✓ Developed an implementation plan to incorporate GIPS requirements, targeting a July 1, 2017 effective date</li> <li>✓ Developed and communicated the Trust Level Portfolio Management Business Model concept to frame INVO's role in strategic asset-liability management and dynamic asset allocation</li> </ul>  |
| Enhanced Capital<br>Allocation<br>Framework | <ul> <li>Implement CalPERS short-term investment fund group (STIF)</li> <li>Improve understanding and ownership of trust-level investment risk and performance decisions</li> <li>Evaluate private market currency strategy</li> </ul> | <ul> <li>✓ Developed STIF investment guidelines and procedures, and re-allocated necessary positions</li> <li>✓ Developed operating model and governance for the Strategic AA Overlay Portfolio</li> <li>✓ Presented a proposed framework for managing private asset currency exposures to the Portfolio Allocation Subcommittee</li> <li>✓ Completed and presented a role and benchmark study to the Investment Committee</li> </ul> |

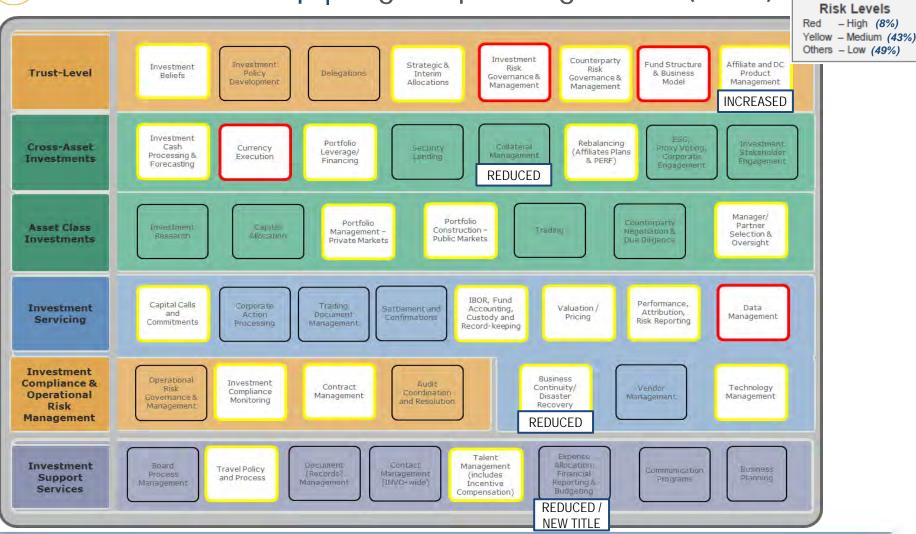
#### S20 E20 Vision

### INVO 2020 Vision | 2016-17 Roadmap Update

| Strategic Objective                                  | 2016-17 Initiative Goals   | 2016-17 Highlights  |
|--|--|---|
| Investment Beliefs & ESG Risk Integration            | <ul> <li>Incorporate ESG risk considerations into the investment decision-making process</li> <li>Improve diversity of corporate boards, External Managers and Investment Office investment decision makers</li> </ul> | <ul> <li>✓ Established three Governance &amp; Sustainability         Subcommittee "working groups" focused on proxy voting, financial markets, and research     </li> <li>✓ Hosting a May Diversity Forum designed to better capitalize on the abilities of the diverse modern workforce</li> </ul> |
| Investment Platform & Controls                       | <ul><li>Expand Operational Due Diligence<br/>capabilities</li><li>Enhance data management</li></ul>  | <ul> <li>✓ Recommended enhancements to trade-flow and pre-trade compliance controls</li> <li>✓ Built, tested, and deployed Global Equity pilot software prototype (Artemis)</li> </ul>  |
| Investment Risk Management & Performance Attribution | <ul> <li>Strengthen the risk and attribution<br/>oversight and review process in the<br/>Risk and Attribution Subcommittee</li> <li>Enhance risk governance processes</li> </ul>                                       | <ul> <li>✓ Presented enhanced performance attribution<br/>frameworks for Total Plan, Public Assets, Real<br/>Assets, and Affiliates programs</li> <li>✓ Transitioned Total Fund risk reporting to the<br/>Investment Risk and Performance Team</li> </ul>   |



### 2016-17 Roadmap | Target Operating Model (TOM)







### TOM | External Evaluation

#### TOM Refresh

- Evaluate current TOM structure and functions
- Consultant evaluation of the TOM
  - Peer benchmarking
  - Industry and environmental scan

#### Reduce Complexity

- Simplify structure and framework
- Refine and consolidate functions

#### **Alignment**

- Incorporate 2020 Vision and Enterprise goals
- Overlay risk assessment and risk views

## Next Steps Next Steps



#### 2016-17 Roadmap initiatives

Continue to manage, report, and closeout



#### 2017-18 Roadmap initiatives

Finalize and initiate



#### Continue progress on 2020 Vision

- Addressing moderate to high-risk TOM functions
- Enhance Trust-level decision making

### Appendix





| Investment Strategy Group (ISG) |              |                 |
|---------------------------------|--------------|-----------------|
| Charter Members                 | Program Area | Alternates      |
| Eric Baggesen, Chair            | TLPM         | Ronald Lagnado  |
| Dan Bienvenue                   | GE           | John Cole       |
| Curtis Ishii                    | GFI          | Lou Zahorak     |
| Ted Eliopoulos                  | INVO EXEC    | N/A             |
| Kevin Winter                    | OCS          | TBD             |
| Sarah Corr                      | PE           | Mahboob Hossain |
| Paul Mouchakkaa                 | RA           | Jane Delfendahl |
| Charter Members: Non-voting     | Program Area | Alternates      |
| Wylie Tollette                  | INVO EXEC    | Michael Krimm   |
| Anne Simpson                    | SI           | N/A             |
| Invited Participants            | Program Area |                 |
| Marcie Frost                    | EXEO         |                 |
| Marlene Timberlake D'Adamo      | FINO         |                 |
| Kristin Montgomery              | FRAS         |                 |
| Kit Crocker, Moderator          | ICOR         |                 |
| Matthew Jacobs                  | LEG0         |                 |





| Governance & Sustainability Subcommittee (GSS) |              |                  |
|--|--------------|------------------|
| Charter Members                                | Program Area | Alternates       |
| Dan Bienvenue, Co-Chair                        | GE           | N/A              |
| Anne Simpson, Co - Chair                       | SI           | N/A              |
| Don Pontes                                     | ESS          | James Andrus     |
| Simiso Nzima                                   | GE           | Stuart Hall      |
| Lou Zahorak                                    | GFI          | Paul Kramer      |
| Kit Crocker                                    | ICOR         | Anna Morrison    |
| Gretchen Zeagler                               | LAD          | N/A              |
| Salony Mehrok                                  | LEGO         | Warren Astleford |
| Megan White                                    | PAOF         | N/A              |
| Christine Gogan                                | PE           | Liliya Kamalova  |
| Rina Lessing                                   | RA           | Beth Richtman    |
| Divya Mankikar                                 | SI           | Tiffany Pokk     |
| Alison Li                                      | TLPM         | Dianne Sandoval  |





| (Trust Level) Investment Review Subcommittee (IRS) |              |                |
|--|--------------|----------------|
| Charter Members                                    | Program Area | Alternates     |
| Paul Mouchakkaa, Chair                             | RA           | N/A            |
| Steve Carden                                       | GE           | Ron Chavez     |
| Arnie Phillips                                     | GFI          | Justin Scripps |
| Kit Crocker  | ICOR         | N/A            |
| Matt Flynn   | ISD          | TJ Kopkash     |
| Mahboob Hossain                                    | PE           | Harshal Shah   |
| Ed Yrure   | RA           | Juan Gaviria   |
| Dianne Sandoval                                    | TLPM         | Bill McGrew    |
| Invited Participants                               | Program Area | Alternates     |
| Kit Crocker  | ICOR         | N/A            |





| Portfolio Allocation Subcommittee (PAS) |              |  |
|---|--------------|--|
| Charter Members                         | Program Area |  |
| Eric Baggesen, Chair                    | TLPM         |  |
| John Cole                               | GE           |  |
| Mike Rosborough                         | GFI          |  |
| John Rothfield                          | GFI          |  |
| Jean Hsu                                | OCS          |  |
| Paul Mouchakkaa                         | RA           |  |
| Ron Lagnado                             | TLPM         |  |
| Invited Participants                    | Program Area |  |
| Kit Crocker                             | ICOR         |  |
| Shannon Hoogenbosch                     | ICS          |  |
| Todd Eichman                            | TLPM         |  |



| (Trust Level) Risk & Attribution Subcommittee (RAS) |              |                  |
|---|--------------|------------------|
| Charter Members                                     | Program Area | Alternates       |
| Michael Krimm, Co-Chair                             | IRP          | N/A              |
| Kevin Winter, Co-Chair                              | OCS          | N/A              |
| Steve Carden  | GE           | Derek Hayamizu   |
| Todd Smith  | GFI          | Saeed Daroogheha |
| Sarah Corr  | PE           | Dennis Knueven   |
| Mike Inglett  | RA           | Terra Elijah     |
| Todd Eichman  | TLPM         | Arvind Rao       |

