# CAIPERS INCENTIVE PLAN SEMIANNUAL UPDATE | Fiscal Year 2017-18

### Name: Ted Eliopoulos

Position: Chief Investment Officer

## **KEY BUSINESS OBJECTIVES**

|            |  | Score  | Payout Ratio              |  |  |  |  |
|------------|--|--|---------------------------|--|--|--|--|
| Mojaht     | Koy Rusiness Objectives  | Far Exceeds High Expectations<br>Meets High Expectations | 1.50 (150%)<br>1.0 (100%) |  |  |  |  |
| Weight     | Key Business Objectives  | Does Not Meet High Expectations                          | 0 (0%)                    |  |  |  |  |
|            |  | Intermediate points are inter                            |                           |  |  |  |  |
| Rusiness P | Business Plan and Investment Office Roadmap  |  |                           |  |  |  |  |
|            |  |  |                           |  |  |  |  |
| 10%        | By June 30, 2018, in support of the CalPERS 2018-18 Business Plan, improve CalPERS' ability to achieve risk-adjusted investment returns.   |  |                           |  |  |  |  |
|            | <ul> <li><u>Goal A: Improve long-term pension and health benefit sustainability</u></li> <li>Fund the System through an integrated view of pension assets and liabilities:</li> <li>Build effective investment risk and performance attribution review and decision processes within and across asset classes to ensure risks are fully understood, intended, and compensated</li> <li>Enhance the Capital Allocation framework through improved risk factor modeling and greater understanding and ownership of trust-level investment risk and performance</li> </ul>  |  |                           |  |  |  |  |
|            | <ul> <li>Deliver target risk-adjusted investment returns:</li> <li>Explore long-term planning considerations including private assets business model, talent management, and office locations</li> <li>Develop enhanced governance and protocols to improve efficiencies and controls in assessing and engaging external managers and migrating additional asset types in house</li> <li>Enhance cost effectiveness, resource allocation, and efficiency of the investment program to increase net returns on assets</li> <li>Enhance the investment platform and internal controls environment to achieve optimum efficiency</li> <li>Develop a framework for the integration of CalPERS Investment Beliefs and ESG risk considerations into the investment decision-making process, including completing the key deliverables and objectives targeted for the current fiscal year in the Global Governance ESG Strategic Plan approved by the Board in August 2016.</li> </ul> |  |                           |  |  |  |  |
|            | Implement the objectives set forth for FY 2017-18 in the FY 2017-18 Investment Office Roadmap.   |  |                           |  |  |  |  |
| Semiannu   | al Status Update   |  |                           |  |  |  |  |
|            | ild effective investment risk and performance attribution review an set classes to ensure risks are fully understood, intended, and cor  |  | nd across                 |  |  |  |  |
| Inv        | <ul> <li>vestment Risk Management and Performance Attribution</li> <li>Completed team review of 14 global peers as well as INVO</li> <li>Summarized information, including an assessment of CalPI</li> <li>Reviewed key observations with internal governance sub-co</li> <li>Completed Performance Attribution review of Total Fund ar</li> </ul>   | ERS risk functions relative to g ommittee                | lobal practices           |  |  |  |  |
|            | hance the Capital Allocation framework through improved risk fac<br>nership of trust-level investment risk and performance   | tor modeling and greater unde                            | rstanding and             |  |  |  |  |

- ✓ Private Equity Portfolio Management Accounting & Data Services (PEARS) Completed
- Performed an inventory of current derivative use and existing risk management frameworks; summarized CalPERS current state.
- ✓ Completed Aladdin's business process review and summary
- ✓ Updated policies, procedures and GIPS Practices Manual
- ✓ Completed compliant presentations and GIPS verification and examination
- ✓ Completed the ALM selection and Asset Allocation at the December IC meeting
- Prepared and completed the necessary components of the ALM at each IC meeting during this review period, including CMA selection, Asset Segmentation delineation, and Benchmark selection
- 3. Explore long-term planning considerations including private assets business model, talent management, and office locations:

#### Private Market Business Model Design

- Developed selected strategies, prepared Closed Session presentations for the Investment Committee with recommendations for the PE future business model, prepared offsite Board meeting presentations; submitted ASP for a Strategic Partnership.
- 4. Develop enhanced governance and protocols to improve efficiencies and controls in assessing and engaging external managers and migrating additional asset types in house:

**The Target Operating Model** (TOM) - In FY 2017-18 the Investment Office embarked upon a project to refresh the TOM, with the goal of a simplified structure, framework, and reduced complexity. In December 2017, Investment Office staff presented the Investment Committee with a new TOM Dashboard which has refined and consolidated functions and sub-functions better aligned with industry standard operating models while reflecting specific focus on engagement activities emphasized at CaIPERS.

**ISG and its subcommittees**, as well as Operating Committee met as scheduled with cross asset class collaboration.

5. Enhance cost effectiveness, resource allocation, and efficiency of the investment program to increase net returns on assets:

#### **Business Effectiveness**

- ✓ Completed first phase of PE Waterfall project: Designed approach to analyze PE waterfalls with quantitative & qualitative components.
- ✓ Developed workpapers to ensure consistent and systematic approach & documentation.
- Implemented quantitative analysis of Total Carry (Level 1), Paid Carry (Level II) and Preferred Return (Level 3).
- Reviewed eight PE strategic General Partners & all Infrastructure & Forestland Funds which have taken carry.
- ✓ Provided feedback for underwriting new investments for PE & RAU.

#### **Investment Platform and Controls**

- ✓ Identified and analyzed risks associated with current trust/fund structure
- ✓ Analyzed pros and cons of alternative structures to identify the most viable option(s) for CaIPERS
- 6. Enhance the investment platform and internal controls environment to achieve optimum efficiency:
  - ✓ Private Equity Portfolio Management Accounting & Data Services (PEARS) Completed
  - Performed an inventory of current derivative use and existing risk management frameworks; summarized CalPERS current state.
  - ✓ Completed Aladdin's business process review and summary
  - ✓ In FY 2017-18 the Investment Office embarked upon a project to refresh the TOM, with the goal of a simplified structure, framework, and reduced complexity. In December 2017, Investment Office staff presented the Investment Committee with a new TOM Dashboard which has refined and consolidated functions and sub-functions better aligned with industry standard operating models while reflecting

specific focus on engagement activities emphasized at CalPERS.

7. Develop a framework for the integration of CalPERS Investment Beliefs and ESG risk considerations into the investment decision-making process, including completing the key deliverables and objectives targeted for the current fiscal year in the Global Governance ESG Strategic Plan approved by the Board in August 2016:

#### Global Governance ESG Strategic Plan

- ✓ Supported the asset classes and investment programs on core work in the Strategic Plan
- Development of CalPERS' Governance and Sustainability Principles, as per Investment Committee review and issues arising from asset class participation in Research Working Group
- ✓ Development of CalPERS' position on sensitive proxy voting, corporate engagement and regulatory or legislative issues
- Strategy and co-ordination of CalPERS' partnerships including PRI, Ceres, ICGN, CII, and other groups where staff and Board members have leadership roles, working across the enterprise
- Integration of INVO diversity and inclusion activities into the Sustainable Investment program including diversity partnerships, investment manager engagement, labor relations and the Responsible Contractor Program
- ✓ Asset class manager expectations KPI achieved for Sustainable Investment Practice Guidelines for GE, PE, GFI and RA finalized and published on CalPERS' website.
- Integration of diversity and inclusion activities into the SI program: successful expanded presentation of Responsible Contractor Policy annual update jointly with RA.
- Ad Hoc Stakeholder request: these include Dakota Access Pipeline engagement of banks and MLP, retailers selling assault weapons, opioid crisis pharmaceuticals, Tesla
- ✓ Completed key strategic priority of Strategic Plan:
  - Data and corporate reporting: engagement with SEC, (human capital management petition) SASB, standards commentary) IFRS, (review of corporate reporting) and TCFD (climate risk reporting)
  - Montreal Pledge companies: Climate Action 100+launched with \$27 trillion backing at Paris Summit
  - 504 companies engaged in Board diversity, with GE, and testimony to state senate
  - Research: SIRI refresh completed with 800 additional papers, and Board presentation of highlights by Professor Brad Barber
  - Carbon footprinting: completed with GFI and successfully presented to IC
  - .

#### **Organizational Leadership**

| 10% | Through June 30, 2018, provide organizational leadership, decision-making, and reliable fund stewardship in support of the following Strategic Outcome Measures:  |  |  |  |  |
|-----|---|--|--|--|--|
|     | <ul> <li>Open and Transparent Communication</li> <li>Set and exemplify standards for respectful, candid, and transparent communication; and</li> <li>Be open and accessible, working towards solutions in collaborative ways.</li> </ul>  |  |  |  |  |
|     | <ul> <li>Efficient and Effective Organization</li> <li>Support the CalPERS work environment's high levels of accountability and focus on cost-<br/>effectiveness without negative consequences to service levels; and</li> <li>Participate in and support ongoing Workforce Planning efforts.</li> </ul>  |  |  |  |  |
|     | <ul> <li>Supportive and Engaged Leadership</li> <li>Participate in the development of current and future leaders through:         <ul> <li>Informal mentoring and continued leadership development at all levels; and</li> <li>Participation in and support of the completion of mandatory leadership training.</li> </ul> </li> <li>Create clear links between performance and consequences, including:</li> </ul> |  |  |  |  |
|     | <ul> <li>Timely completion of probationary reports and EPADs;</li> <li>Holding team members accountable for poor performance and behavior; and</li> </ul>   |  |  |  |  |

|  | • Rewarding team members for displaying positive behavior and exceptional performance.   |
|--|--|
|  | <ul> <li>Customer Satisfaction Driven Organization</li> <li>Support the development of a comprehensive understanding of customer needs, expectations, and<br/>employees' connection to customer satisfaction; and</li> <li>Support an environment in which employees work to improve processes and focus on delivering<br/>upon customer expectations.</li> </ul>  |
|  | <ul> <li>Team Member Engagement</li> <li>Support efforts to create an environment where team members can thrive in a culture of inclusion, opportunity and representation; and</li> <li>Instill a positive work culture where CalPERS is seen as a destination employer.</li> </ul>  |
| niannu   | al Status Update   |
| <ul> <li>He</li> <li>Ac</li> <li>Me</li> <li>Ac</li> <li>Ma</li> <li>Ac</li> </ul> | ontinued to inform Board of investment issues through Board weekly updates, if necessary<br>eld special meetings with INVO staff to address redesign and 2020 Vision.<br>ctively participated in the Diversity and Inclusion Project.<br>et regularly with the CEO.<br>ctively participated in FINO meetings: ALM Advisory Committee, Risk Mitigation Meetings, Treasury<br>anagement and Budgets<br>ctively participated in weekly Executive Staff meetings and Executive Huddle meetings/calls with the<br>EO. |

| Weight |  | Metric  |   |  |                            |  |
|--------|--|---|---|--|----------------------------|--|
| 40%    | <b>Total Fund Performance</b><br>(7/1/13 – 6/30/18)<br>The Total Fund Performance Metric is measured based on<br>fund performance against the policy benchmark for the<br>five-year period of July 1, 2013, through June 30, 2018.   |   | Variance (bps) from<br>Benchmark  |  | Payout Ratio               |  |
|        |  |   | +35   |  | 1.50 (150%)                |  |
|        |  |   | +30 1.4   |  | 1.41 (141.7%)              |  |
|        |  |   | +20 1.2   |  | 1.25 (125%)                |  |
|        |  |   | +5  |  | 1.00 (100%)                |  |
|        |  |   | 0   |  | 0.76 (76.3%)               |  |
|        |  |   | -15   |  | 0.05 (5%)                  |  |
|        |  |   |   |  | 0.00 (0%)                  |  |
|        |  |   |   | or intermediate results will be<br>nined by interpolation. |                            |  |
| 10%    | Enterprise Operational Effectiveness   |   |   |  |                            |  |
|        | The Enterprise Operational Effectiveness Me  |   | for 2017-18Sco  |  | Payout Ratio               |  |
|        | <ul> <li>is defined as Overhead Operating Costs as a percentage of<br/>Total Operating Costs ("OOCP").</li> <li>Total Overhead Operating Costs ("OOC") identify<br/>all administrative costs not mapped directly to<br/>Product and Service Delivery Operating Costs</li> </ul>  |   | <-1.1%  |  | 1.50 (150%)                |  |
|        |  |   |   |  | 1.25 (125%)                |  |
|        |  |   |   |  | 1.00 (100%)                |  |
|        |  |   |   |  | 0.75 (75%)                 |  |
|        |  |   | > 1.0% to 1.5%<br>>1.5%   |  | 0.50 (50%)                 |  |
|        | ("PSDOC")<br>• OOCP = OOC / (OOC + PSDOC)  |   | >1.5  | 0%   | 0.00 (0%)                  |  |
| 15%    | Investment Office CEM  |   |   |  |                            |  |
|        | The 2017-18 annual participation in the CEM benchmarking (CEM) survey  |   | Score   |  | Payout Ratio               |  |
|        |  | Outperforms US Benchmark on Net Va<br>(Returns) <u>and</u> Cost by 0.2% and 5 bps |   | , respectively   | 1.50 (150%)<br>1.00 (100%) |  |
|        | analyzes CalPERS' investment costs and return performance over a five-year period  | Cost by .001% and 1 b   | utperforms US Benchmark on Returns <u>and</u><br>ost by .001% and 1 bps, respectively |  |                            |  |
|        | against a customized peer group. Outperforms US Bend<br>Outperforms US Bend  |   |   |  | 0.50 (50%)                 |  |
|        |  | Underperforms US Ber  | nderperforms US Benchmark on Returns and Cost   |  |                            |  |
| 15%    | Stakeholder Engagement   |   |   | Score  | Payout<br>Ratio            |  |
|        | <ul> <li>The Stakeholder Engagement Metric for 2017-18 is based on results of the following three Stakeholder Engagement Survey questions:</li> <li>Is CaIPERS sensitive to the needs of Stakeholders?</li> <li>Does CaIPERS do a good job of keeping its stakeholders informed?</li> <li>On a scale of one to ten, how would you rate CaIPERS being effective in engaging and communicating with stakeholders?</li> </ul> |   |   | > 75%  | 1.50 (150%)                |  |
|        |  |   |   | > 73% to 75%   |                            |  |
|        |  |   |   | > 71% to 73%   |                            |  |
|        |  |   |   | > 69% to 71%   |                            |  |
|        |  |   |   | > 67% to 69%   |                            |  |
|        |  |   |   | ≤ 67%  | 0.00 (0%)                  |  |
| 100%   | Total Plan Weight  |   |   |  |                            |  |

## **INCENTIVE METRICS** (Performance data for all metrics to be provided at year-end.)

NOTE: Boxes surrounded by heavy borders contain the bolded symbols (e.g., greater-than, less-than) and percentages that were corrected to rectify inconsistencies from prior versions.