# Private Equity Annual Program Review

Réal Desrochers Senior Investment Officer

Sarah Corr & Scott Jacobsen Senior Portfolio Managers

December 15, 2014



Investment Office Private Equity

1

### **Executive Summary**

- Private Equity (PE) has met the return expectation of the Asset Liability Management (ALM) Assumptions.
- PE has underperformed its policy benchmark for the 1, 3, 5 and 10 year periods.
- PE is progressing with significant restructuring and portfolio rebalancing.
- PE, Investment Servicing Division (ISD), and Fiscal Services Division (FCSD) are collaborating on the implementation of a new performance analytics and accounting solution. Parallel operations are scheduled to start in February.
- Overall, PE is making progress, reducing costs and complexity, in order to improve long-term performance.



#### Private Equity Annual Program Review

#### **Review Outline**

	Investment Beliefs Map												
Section	Pages	1	2	3	4	5	6	7	8	9	10		
Executive Summary	2												
Review Outline	3												Liebilitiee
Investment Beliefs Key	4											1	Liabilities
I. Program Overiew	5											2	Long-Term Horizon
Program Role	6												Chalkahaldara
Program Investment Philosophy Investment Decision Process	7 8-9											3	Stakeholders
Policy Benchmark	0-9 10											4	Three Forms of Capital
Program Characteristics	11-12											5	Accountability
II. Investment Review	13												
ALM Assumptions Validation	14											6	Strategic Allocation
Past Year Environment Review	15											7	Risk Reward
Program Performance Review	16-17												
Traditional Risk Assessment Portfolio Characteristics	18											8	Costs Matter
Portfolio Characteristics	19-20 21											9	Multi-faceted Risk
Forward-Looking Commentary	22											10	Resources/Process
III. Business Review	23											10	
Business Model	24												
Functional Organizational Chart	25												
Staffing Overview	26												
Strategic Initiatives	27												
Strategic Project Update Program Expenses / AUM Mix	28 29												
Conclusion	30												



#### Investment Beliefs Key

	Short Name	Investment Belief
1	Liabilities	Liabilities must influence the asset structure.
2	Long-Term Horizon	A long time investment horizon is a responsibility and an advantage.
3	Stakeholders	CalPERS investment decisions may reflect wider stakeholder views.
4	Three Forms of Capital	Long-term value creation requires effective management of three forms of capital: financial, physical, and human.
5	Accountability	CalPERS must articulate its investment goals and performance measures and ensure clear accountability for their execution.
6	Strategic Allocation	Strategic asset allocation is the dominant determinant of portfolio risk and return.
7	Risk Reward	CalPERS will take risk only where we have a strong belief we will be rewarded.
8	Costs Matter	Costs matter and need to be effectively managed.
9	Multi-faceted Risk	Risk of CalPERS is multi-faceted and not fully captured through measures such as volatility or tracking error.
10	Resources / Process	Strong processes and teamwork and deep resources are needed to achieve CalPERS' goals and objectives.



# I. Program Overview





7

### Private Equity: Program Role

- Primary Role
  - Private Equity allocations are a means of enhancing equity returns through a value-added approach to investment management of a diverse set of portfolio companies and to capture the illiquidity premium. The major driver for returns is appreciation, with negligible cash yield.

– ALM Workshop 2013

- Driver of total performance
  - Price appreciation
- Risks
  - High growth risks
  - Illiquid
  - Leverage



Attachment 1, Page 7 of 30

Long-Term Horizon

8 Costs Matter

#### Program Investment Philosophy

- Long-term investor
- Manager selection and alignment of interest are critical to PE's success
- Over-diversification negatively impacts performance
- Costs matter



Attachment 1, Page 8 of 30 Risk Reward 10 Resources/Process Private Equity Annual Program Review 3 Stakeholders 7 Portfolio Construction & Due diligence and approval of new investments Management Process I Investment Review Administrative Administr<sub>ative</sub> **Underwriting & Committee (IRC)** Investment **Co-Investments** Management Purpose: Consistent review Sourcing Company level Investment performance of investments Recommendations Capital Calls Timing: Weekly Due diligence Manager, market & co. • Legal Negotiations level updates Portfolio Construction Participants: Secondaries, co-Pacing Analysis Communication - CIO investments. Forward Calendar with other LPs separate House View Review of - SIO, SPMs, PMs (PE) accounts & Sourcing quarterly financials funds Screening - 1 PM (Real Assets) Due Diligence - 1 SPM (Global Fixed Income) Portfolio Rebalancing - 1 SPM (Asset Allocation) - 1 PM (ICOR) **Risk, Research, Analytics &** Performance • Capital Allocation Board Consultant Portfolio Monitor existing diversification portfolio and Annual capital and pacing - Scribe Purchase price develop portfolio Benchmark allocation and multiple insight **Risk analysis** pacing Market Overview recommendation, Performance Market Overview, and House View IRC Administrative



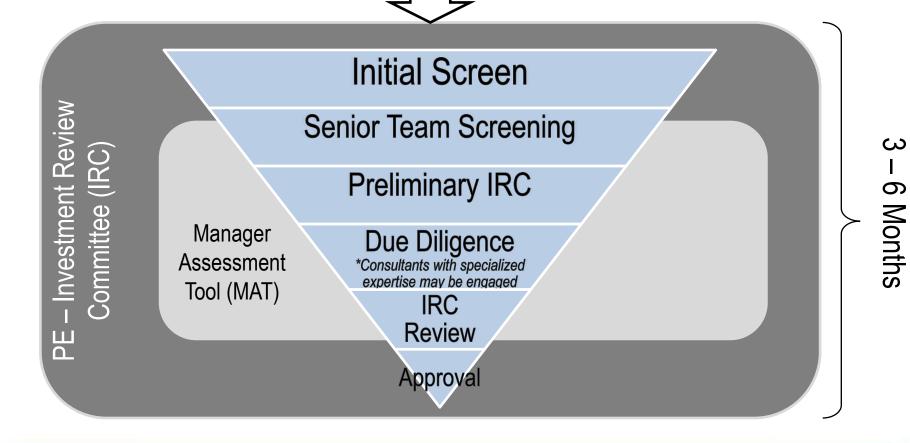
3 Stakeholders

**Risk Reward** 7

Attachment 1, Page 9 of 30 10 Resources/Process

#### **Investment Decision Process**

#### **Investment Proposal Tracking System (IPTS)**

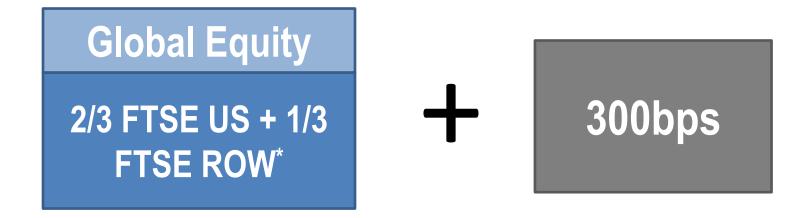




Private Equity Annual Program Review

Attachment 1, Page 10 of 30 5 Accountability 9 Multi-faceted Risk

#### **Current Policy Benchmark**

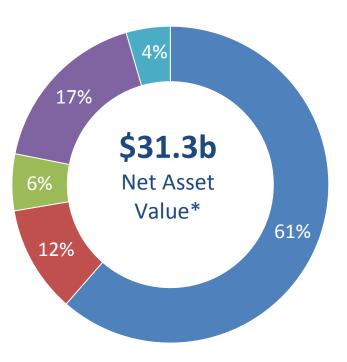


- The benchmark should be reviewed in 2015 by Private Equity, Asset Allocation, and Risk Management.
- The benchmark creates unintended active risk for the Program, as well as for the Total Fund.

\*(2/3 FTSE U.S. Total Market Index + 1/3 FTSE All World ex-U.S. Total Market Index) + 300 bps lagged by one quarter.



#### **Program Characteristics**



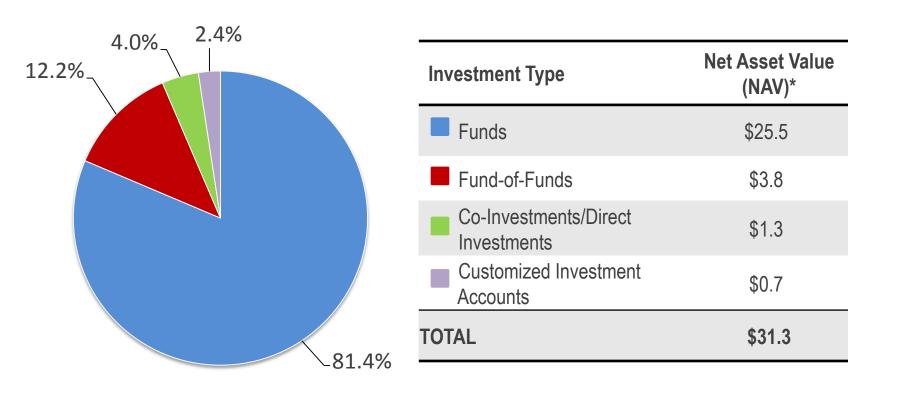
Strategy	Net Asset Value*	Current*	Target	Range
Buyouts	\$19.1	61%	60%	50-70%
Credit Related	\$3.6	12%	15%	10-25%
Venture Capital	\$1.8	6%	<1%	0-7%
Growth/Expansion	\$5.5	17%	15%	5-20%
Opportunistic	\$1.3	4%	10%	0-15%
Total	\$31.3	_	_	_

\*Based on Net Asset Value (NAV) as of June 30, 2014; \$s in billions.

Source: State Street



### Program Characteristics (Cont'd)



\*Based on NAV as of June 30, 2014; \$s in billions.



## II. Investment Review

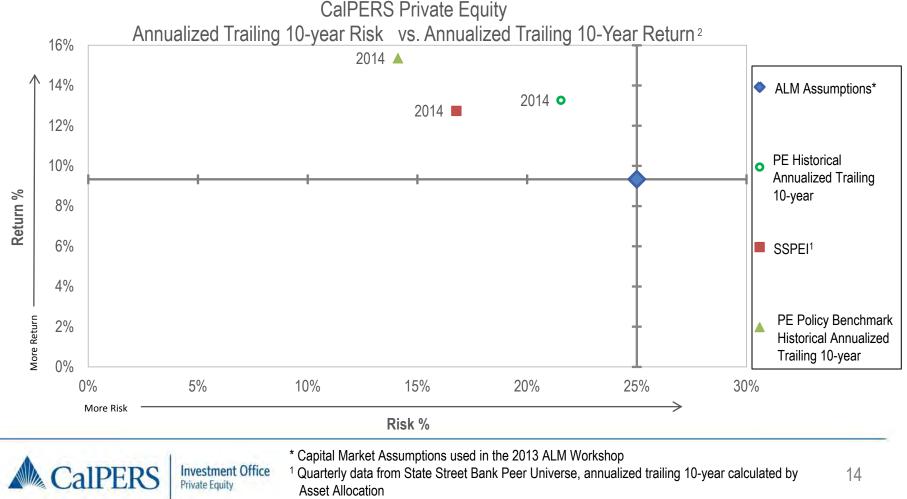


#### ALM Assumptions Validation

• Over a ten-year period, the CalPERS Private Equity Program has delivered 4.3% excess return above the ALM Assumptions.

Liabilities

7



<sup>2</sup> Trailing 10-year ending June 2014

Attachment 1, Page 14 of 30

**Risk Reward** 

Attachment 1, Page 15 of 30 2 Long-Term Horizon

#### Past Year Environment Review

- Continued high demand for private equity products by investors.
- The pace of investments relative to available capital is low.
- Purchase price multiples are elevated due to the availability of cheap credit, with U.S. buyout multiples averaging 9.7x YTD 2014 through 9/30/14, compared to ten-year average of 8.8x.
- Calendar year 2014 on pace to significantly exceed all-time record-high distributions to limited partners, with nearly \$240 billion in distributions to date.



Long-Term Horizon **5** Accountability 2

Attachment 1, Page 16 of 30

## **Program Performance Review**

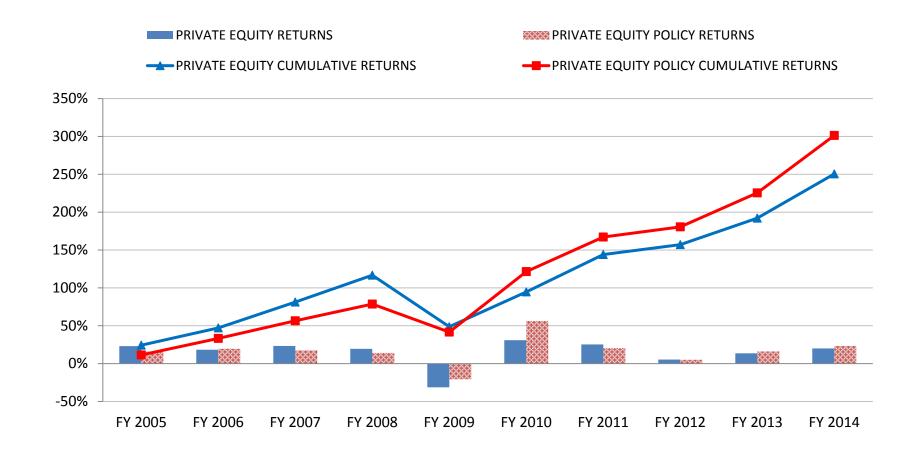
- Over a ten-year period:
  - Exceeded the ALM return expectation of the asset class by 4.3%
  - Underperformed the Private Equity policy benchmark by 2.1%
  - Exceeded the Global Equity portfolio performance by 5.7%

	1-YR	3-YR	5-YR	10-YR	20-YR
As of June 30, 2014	Net Return (%)				
PRIVATE EQUITY	20.0	12.8	18.7	13.3	12.4
ALM Return Expectation	9.0	9.0	9.0	9.0	9.0
Excess Return	11.0	3.8	9.7	4.3	3.4
PE POLICY BENCHMARK	23.3	14.5	23.2	15.4	12.0
Excess Return	(3.3)	(1.7)	(4.5)	(2.1)	0.4
CalPERS GLOBAL EQUITY	24.8	11.3	15.7	7.6	9.4
Excess Return	(4.8)	1.5	3.0	5.7	3.0



Attachment 1, Page 17 of 30 2 Long-Term Horizon 5 Accountability

#### Program Performance Review (Cont'd)





Attachment 1, Page 18 of 30

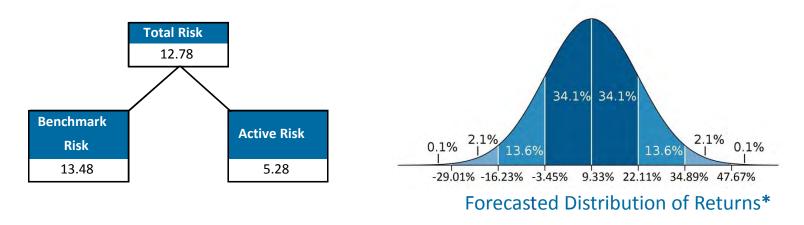
**Risk Reward** 

9 Multi-faceted Risk

#### Traditional Risk Assessment

As of June 30, 2014

- Private Equity Forecast Risk is 12.78%
- Forecast Tracking Error is 5.28%



\*Based on Expected Returns from 2013 Asset Liability Workshop of 9.33% and Forecasted Risk of 12.78%



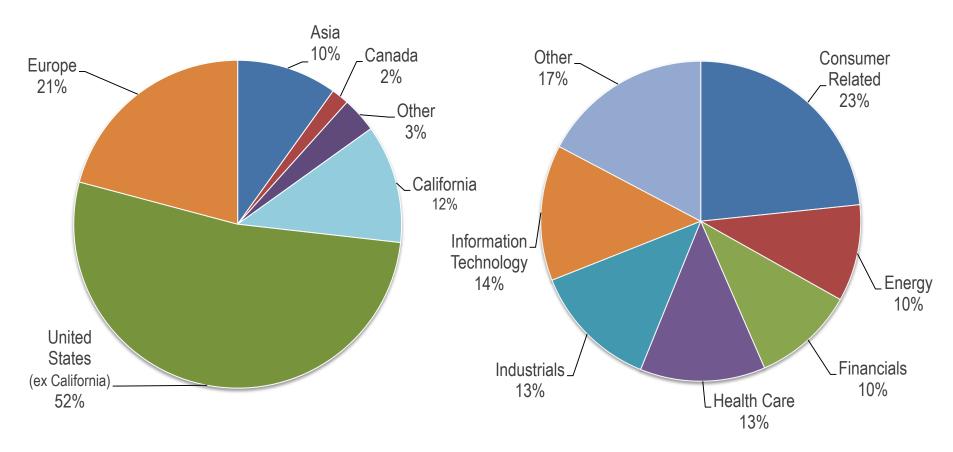
Attachment 1, Page 19 of 30

Strategic Allocation

6

9 Multi-faceted Risk

#### **Portfolio Characteristics**



Net Asset Value (NAV) as of June 30th, 2014; \$s in billions



6

9 Multi-faceted Risk

### **Portfolio Characteristics** (Cont'd)

	# of Managers	# of Funds
Direct Portfolio	106	300
Fund-of-Funds	306	388
TOTAL	390	684

- The top 20 PE Managers by NAV account for 67% of overall net asset value of the PE portfolio.
- The top 40 PE Managers by NAV have generated 88% of overall • gains of the PE portfolio.

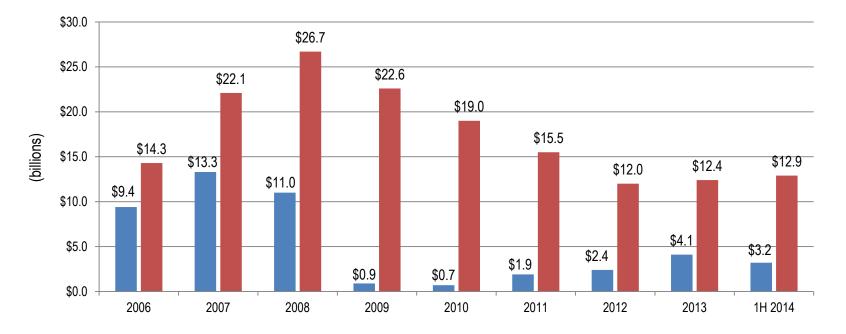
\*As of June 30th, 2014

- Direct Portfolio and Fund-of-Funds Manager and Fund counts do not tie to Total due to overlapping investments



7

#### PE Portfolio Risk



Commitments Cumulative Unfunded		Annual Cash Flow Grand Total								
		2006	2007	2008	2009	2010	2011	2012	2013	1H 2014
	Contributions	(\$4.7)	(\$9.8)	(\$9.8)	(\$4.4)	(\$6.1)	(\$5.4)	(\$4.9)	(\$2.9)	(\$1.8)
	Distributions	\$4.1	\$5.8	\$3.8	\$2.3	\$6.1	\$8.6	\$8.8	\$9.9	\$3.8
As of June 30, 2014; \$s in billions	Net Flow	(\$0.6)	(\$4.0)	(\$6.0)	(\$2.0)	(\$0.0)	\$3.1	\$3.9	\$7.0	\$2.0



## Forward-looking Commentary

- Focus on Customized Investment Accounts, Co-investments, and permanent capital to improve performance. Continued emphasis on reducing costs and complexity.
- Capitalize on CalPERS' long-term investment horizon.
- Given the slow pace of commitments made in years 2008-2011, the CaIPERS Private Equity portfolio is expecting distributions to drop over the next five years.



## **III. Business Review**



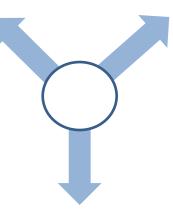
Costs Matter 1

8

#### **Business Model**

#### Fund investments and Customized Investment Accounts

- Top-performing funds with strong track records and high growth potential
- Provide exposure to attractive geographies and sectors
- Provide opportunities for co-investments



#### Co-Investments alongside Fund Partners

Attachment 1, Page 24 of 30

- High quality General Partners
- Strong industry fundamentals
- Attractive business and valuation
- Favorable deal dynamics

#### Secondary Sales and Purchases

- Utilize secondary sales to restructure and rebalance portfolio
- Evaluate secondary purchases of

underexposed vintage years

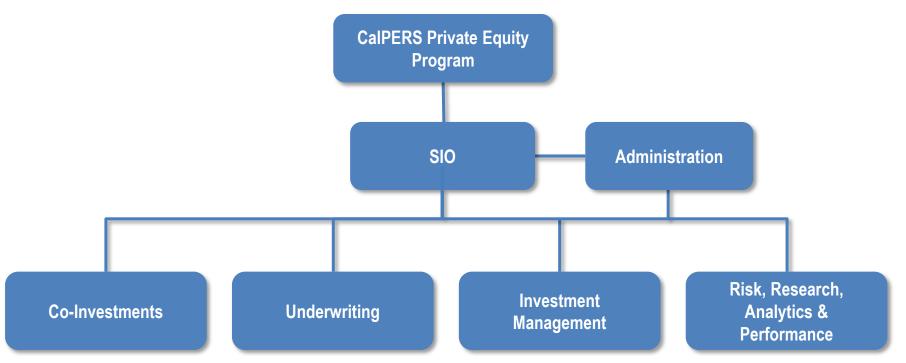


Private Equity Annual Program Review

Attachment 1, Page 25 of 30

10 Resources/Process

#### **Functional Organizational Chart**



• Strategic Plan – Insourced critical functions previously outsourced to external advisors to increase control, reduce fees and improve performance.



**CalPERS** 

Investment Office Private Equity

Staffing Overview								
TOTAL PROGRAM <sup>1</sup>	<ul> <li>53 total positions within Private Equity compared to 47 positions in FY 2012-13</li> </ul>							
STAFFING UPDATES <sup>1</sup>	<ul> <li>Hired 1 Senior Portfolio Manager</li> <li>Hired 1 Portfolio Manager</li> <li>Hired 11 Investment Officers</li> <li>Hired 9 Administrative staff</li> </ul>							
CURRENT VACANCIES <sup>2</sup>	3 Investment Officers							
DIVERSITY	<ul> <li>18 languages spoken</li> <li>10+ countries of origin</li> <li>21 women, 29 men</li> <li>Designations: <ul> <li>11 CFA, 6 CPA, 5 CAIA</li> </ul> </li> <li>Degrees: <ul> <li>7 MA, 16 MBA, 2 JD, 2 PhD</li> </ul> </li> </ul>							
•	1 From June 20th 2012 through October 1st 2014							

8

10 Resources/Process

#### Five-Year Strategic Plan Progress

Sept 2011	Dec 2014 June 2016					
Initiatives	Goals					
Reduce Costs	<ul> <li>Customized Investment Accounts</li> <li>Co-Investments</li> <li>Focus on fees</li> </ul>					
Reduce Complexity	<ul> <li>Reduce Fund of Funds</li> <li>Tail-End Project <ul> <li>Manage inactive funds off the balance sheet</li> </ul> </li> </ul>					
Develop Infrastructure and Organization	<ul> <li>Private Equity Accounting and Reporting Solution (PEARS):</li> <li>From State Street to CalPERS proprietary system</li> </ul>					
Governance	<ul> <li>Increased focus on regulatory compliance in PE portfolio</li> <li>Securities and Exchange Commission (SEC)         <ul> <li>Monitor, track and report on regulatory matters</li> <li>Review and track Form ADV</li> </ul> </li> </ul>					



27

#### Project Update: PEARS\*

• Project Objective

Implement a new service and technology solution to manage and account for private equity (PE) portfolio data and activity while increasing PE data transparency through implementation of new data standards and an automated transmission process.

• Timeline



Note: The scope for the June 2015 and December 2015 releases will be finalized in early 2015.

\*Private Equity Accounting and Reporting Solution



#### Program Expenses

		FY 2013-14		FY 2012-13				
	AUM (\$billions)	Fees Paid (\$millions)	Fees Paid <sup>2</sup> (BPS)	AUM (\$billions)	Fees Paid (\$millions)	Fees Paid <sup>2</sup> (BPS)		
Internal Management	0	7	2	0	6	2		
External Management <sup>1</sup>	32	441	140	31	476	152		
Consultants Expense	N/A	2	1	N/A	2	1		
Technology & Operating Expense	N/A	6	2	N/A	4	1		
Total Program	32	455	144	31	488	155		

<sup>1</sup> Important to note is that our private equity partners participate in this agreed-upon carried interest profit sharing only after a minimum agreed upon return has been obtained by the investor, and all underlying fund expenses have been reimbursed. The minimum agreed upon return is typically in the range of 6% – 8%. <sup>2</sup> All BPS fees paid figures are calculated on Total Program AUM, which was \$31.5 billion as of June 30<sup>th</sup>, 2014.



#### Conclusion

- PE has met the return expectation of the ALM Assumptions.
- PE has underperformed its policy benchmark for the 1, 3, 5 and 10 year periods.
- PE is progressing with significant restructuring and portfolio rebalancing.
- PE, ISD, and FCSD are collaborating on the implementation of a new performance analytics and accounting solution. Parallel operations are scheduled to start in February.
- Overall, PE is making progress, reducing costs and complexity, in order to improve long-term performance.

