

PERA Executive Summary

December 2016

Market Values, Asset Allocation & Performance Data:

TABLE I: Fund Market Values (in millions \$)		
Asset Class	12/31/2016	Prev. Month's Chg
Global Equity	7,015	-238
Risk Reduction & Mitigation	4,131	147
Credit Oriented Fixed Income	1,410	200
Real Assets	1,656	33
STO Cash Balances	111	-2
TOTAL FUNDS	14,322	140

TABLE II: Fund Asset Allocation Comparison							
Asset Class	Actual	Target	Variance	Actual with Overlay	Ranges	\$ in Millions	Inclusive of Overlay
Global Equity	48.98%	43.5%	5.5%	54.4%	38.5 - 48.5%	784.6	1,560.8
Risk Reduction & Mitigation	28.84%	21.5%	7.3%	27.0%	18.5 - 24.5%	1,051.9	787.2
Credit Oriented Fixed Income	9.84%	15.0%	-5.2%	9.8%	11.0 - 19.0%	-738.8	-738.8
Real Assets	11.56%	20.0%	-8.4%	11.6%	16.0 - 24.0%	-1,208.7	-1,208.7
STO Cash Balances	0.78%	0.00%	0.8%	0.0%	0.00%	111.1	0.0

TABLE III: PERA Performance for Month and Fiscal Year to Date (in percent %)				
	12/31/2016	Fiscal YTD	1 Year	3 Year
TOTAL FUND	1.36%	3.69%	7.26%	3.95%
Policy Index	<u>1.56%</u>	<u>4.28%</u>	<u>8.74%</u>	<u>4.80%</u>
<u>Value Added</u>	<u>-0.20%</u>	<u>-0.59%</u>	<u>-1.48%</u>	<u>-0.85%</u>
Global Equity	2.03%	6.83%	8.98%	N/A
Policy Index	1.74%	6.03%	10.28%	N/A
<u>Value Added</u>	<u>0.29%</u>	<u>0.80%</u>	<u>-1.30%</u>	N/A
Risk Reduction & Mitigation	0.20%	-1.92%	4.09%	N/A
Policy Index	0.15%	-2.39%	2.76%	N/A
<u>Value Added</u>	<u>0.05%</u>	<u>0.47%</u>	<u>1.33%</u>	N/A
Credit Oriented Fixed Income	1.08%	3.84%	8.25%	N/A
Policy Index	1.08%	6.14%	12.04%	N/A
<u>Value Added</u>	<u>0.00%</u>	<u>-2.30%</u>	<u>-3.79%</u>	N/A
Real Assets	1.59%	3.91%	5.97%	N/A
Policy Index	3.04%	6.39%	6.55%	N/A
<u>Value Added</u>	<u>-1.45%</u>	<u>-2.48%</u>	<u>-0.58%</u>	N/A
Cash (BNYM)	0.03%	0.19%	0.40%	0.72%

PERA Executive Summary

December 2016

Market Values, Asset Allocation & Performance:

Market Value & Asset Allocation:

The Total Fund market value increased by \$140 million in December and finished the month at \$14.3 billion. The PERA Board updated the strategic asset allocation (SAA) in April 2016. PERA's SAA is 43.5% Global Equity, 21.5% Risk Reduction and Mitigation, 15.0% Credit Oriented Fixed Income, and 20% Real Assets. Based on current market values, excluding the cash overlay, Global Equity is 5.5% overweight and Risk Reduction and Mitigation is overweight by 7.3%, which are both outside of the policy range. Credit Oriented Fixed Income is 5.2% underweight and Real Assets is underweight by 8.4%, which are both outside of policy range. The Board and Staff are working on an implementation plan for the new SAA. Per section IV. A., Strategic Asset Allocation Targets, of the Investment Policy, "The Board recognizes that the long-term target allocation may take an extended period to implement."

Asset Transfers:

PERA transferred \$49 million at month-end from the cash account to the PERA STO account for beneficiary payments and operating expenses. For the fiscal year, PERA has transferred \$278 million to the PERA fund, \$1.1 million to the Magistrates account, \$2.0 million to the Judicial account and \$0.2 million to the Volunteer Fire Fighter account. Private partnerships called \$78 million and distributed \$60 million during the month. For last fiscal year capital calls averaged \$39 million per month and totaled \$469 million while distributions averaged \$23 million per month and totaled \$270 million.

Fund Returns & Performance:

The Total Fund returned 1.36%, net of fees, for the month. The Global Equity custom benchmark returned 1.74%, the Risk Reduction and Mitigation benchmark returned 0.15%, the Credit Oriented Fixed Income benchmark returned 1.08%, and the Real Assets benchmark returned 3.04%. The Fund has returned 3.69% for the fiscal year, 7.26% for the one-year and 3.95% for the three-year period.

Watch List Update:

One of PERA's active Global Public Equity managers is on the Watch List and five of PERA's alternative investments are also on Cliffwater's Watch List.