CalPERS Trust Level Monthly Update - Performance & Risk

Public Employees Retirement Fund (PERF)

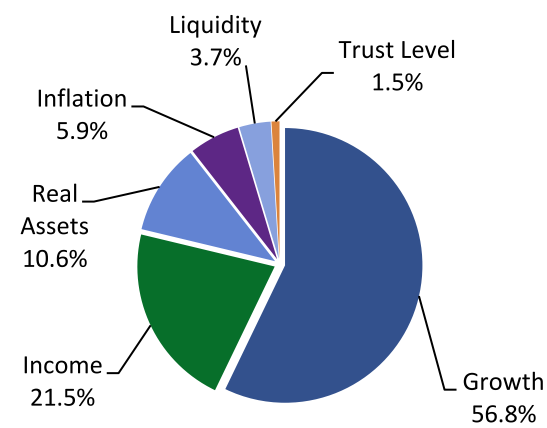
As of May 31, 2018

Asset Allocation

Asset Allocation	EMV (bil)	Current Allocation (%)	Strategic Target (%)	Variance (%)	Target Range
Growth	**$ 200.4**	**56.8%**	**57.0%**	**(0.2%)**	**±7%**
Public Equity	$ 173.1	49.1%	49.0%	0.1%	±7%
Private Equity	$ 27.3	7.7%	8.0%	(0.3%)	±4%
Income	**$ 75.7**	**21.5%**	**22.0%**	**(0.5%)**	**±5%**
Real Assets	**$ 37.5**	**10.6%**	**12.0%**	**(1.4%)**	**±5%**
Real Estate	$ 31.3	8.9%	10.0%	(1.1%)	±5%
Infrastructure	$ 4.3	1.2%	1.0%	0.2%	±1%
Forestland	$ 2.0	0.6%	1.0%	(0.4%)	±1%
Inflation	**$ 20.8**	**5.9%**	**6.0%**	**(0.1%)**	**±3%**
Liquidity	**$ 13.0**	**3.7%**	**3.0%**	**0.7%**	**±6%**
Trust Level[1]	**$ 5.3**	**1.5%**	**-**	**1.5%**	**-**
Total Fund	**$ 352.6**	**100.0%**	**100.0%**	**0.0%**	

TAP[2]	**$ 0.1**
TF Plus TAP	**$ 352.8**

Current Total Fund Allocation



Performance Summary

Performance Summary	FYTD Net Return	FYTD BM Return	FYTD Excess Bps	1-Yr Net Return	1-Yr BM Return	1-Yr Excess Bps	3-Yr Net Return	3-Yr BM Return	3-Yr Excess Bps	5-Yr Net Return	5-Yr BM Return	5-Yr Excess Bps	10-Yr Net Return	10-Yr BM Return	10-Yr Excess Bps	5-Yr Realized Infomation Ratio[3]
Growth	**12.7%**	**13.8%**	**(107)**	**13.4%**	**14.7%**	**(127)**	**8.7%**	**9.0%**	**(35)**	**10.1%**	**10.7%**	**(63)**	**6.3%**	**7.5%**	**(123)**	-
Public Equity	12.3%	12.6%	(25)	13.1%	13.4%	(26)	8.3%	8.2%	9	9.7%	9.7%	7	5.9%	6.1%	(26)	0.2
Private Equity	15.4%	20.6%	(517)	15.5%	22.0%	(654)	10.7%	12.6%	(183)	12.1%	15.2%	(316)	8.9%	13.7%	(483)	-
Income	**0.5%**	**0.2%**	**37**	**0.5%**	**0.1%**	**40**	**2.6%**	**2.1%**	**52**	**3.3%**	**2.6%**	**71**	**5.7%**	**4.9%**	**81**	1.2
Real Assets	**6.6%**	**4.9%**	**166**	**8.4%**	**6.4%**	**201**	**9.6%**	**8.7%**	**91**	**10.6%**	**9.7%**	**86**	**(0.9%)**	**6.3%**	**(716)**	-
Real Estate	5.6%	5.0%	55	7.5%	6.7%	81	10.2%	9.4%	73	11.2%	10.5%	66	(1.3%)	7.1%	(844)	-
Infrastructure	17.3%	5.9%	1,139	19.6%	6.3%	1,336	13.5%	6.1%	740	14.6%	5.5%	910	13.9%	6.0%	798	-
Forestland	1.9%	2.8%	(92)	1.7%	3.6%	(191)	(3.5%)	3.7%	(718)	(1.1%)	6.2%	(730)	(0.5%)	4.4%	(494)	-
Inflation	**8.9%**	**8.5%**	**45**	**7.7%**	**7.3%**	**36**	**0.5%**	**0.2%**	**29**	**(0.9%)**	**(1.5%)**	**59**	**(1.3%)**	**(0.7%)**	**(59)**	0.8
Liquidity	**1.5%**	**1.2%**	**31**	**1.6%**	**1.3%**	**32**	**0.7%**	**0.5%**	**23**	**0.7%**	**0.8%**	**(13)**	**1.0%**	**1.1%**	**(13)**	-
Total Fund	**8.8%**	**8.9%**	**(10)**	**9.3%**	**9.4%**	**(17)**	**6.6%**	**6.5%**	**4**	**7.8%**	**7.9%**	**(9)**	**5.1%**	**6.3%**	**(118)**	-
TAP[2]	**1.8%**	-	-	**1.1%**	-	-	**2.4%**	-	-	-	-	-	-	-	-	-

[1] Trust Level includes Multi Asset Class, Completion Overlay, Risk Mitigation, Absolute Return Strategies, Plan Level Transition and other Total Fund level portfolios

[2] Terminated Agency Pool (TAP) funded in July 2013 and exists to provide benefit payments to members who are employees of agencies that have terminated their contract with CalPERS

[3] Information ratio is excess return divided by realized tracking error. This presents a perspective on risk adjusted performance. The metric is not meaningful for illiquid assets where realized volatility tends to be muted by valuation based pricing and benchmark issues.

Public Employees Retirement Fund (PERF)

As of May 31, 2018

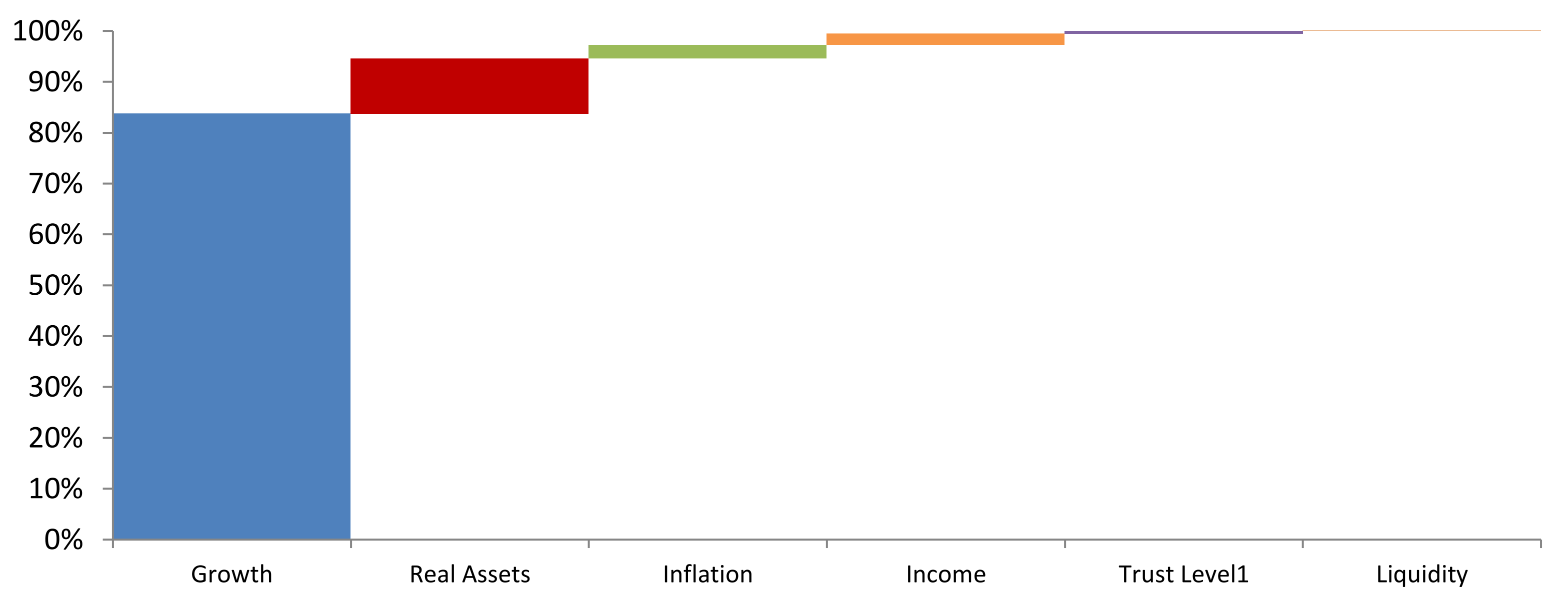
Total Fund Volatility

Risk Measure	5/31/2018	4/30/2018	Explanation of Risk Measures:
Forecast Volatility			The total (absolute) volatility is the annualized standard deviation of the fund's total return distribution and is indicative of the plan's short-term return dispersion given the current environment. The metric is model-based and could underestimate potential drawdowns.
Portfolio	7.7%	7.8%	
Benchmark	7.6%	7.7%	
Forecast Tracking Error			Forecast tracking error is the annualized standard deviation of the differential return between the portfolio and an equal investment in the benchmark.
Portfolio	0.5%	0.5%	

May 31, 2018	Portfolio Volatility		Active Tracking Error	
	Projected	Realized	Projected	Realized
Asset Class	Annualized Projected Volatility (%)	5-Year Realized Volatility (%)[1]	Annualized Projected Tracking Error (%)	5-Year Realized Tracking Error (%)[1]
Growth	**11.7%**	**8.7%**	**0.7%**	**1.8%**
Public Equity	11.5%	10.3%	0.3%	0.3%
Private Equity	14.9%	4.1%	4.5%	6.3%
Income	**5.4%**	**4.9%**	**0.3%**	**0.7%**
Real Assets	**10.6%**	**4.6%**	**2.4%**	**4.8%**
Real Estate	11.5%	5.3%	2.1%	5.5%
Infrastructure	7.7%	4.4%	7.9%	4.2%
Forestland	14.5%	5.2%	10.9%	5.0%
Inflation	**6.6%**	**6.1%**	**0.2%**	**0.8%**
Liquidity	**0.0%**	**1.0%**	**0.0%**	**0.5%**
Trust Level	**4.5%**	**-**	**4.5%**	**-**
Total Fund	**7.7%**	**5.7%**	**0.5%**	**1.2%**

[1]Realized Volatility and Tracking Error for private asset classes is computed from quarterly net returns

Contribution to Total Fund Volatility

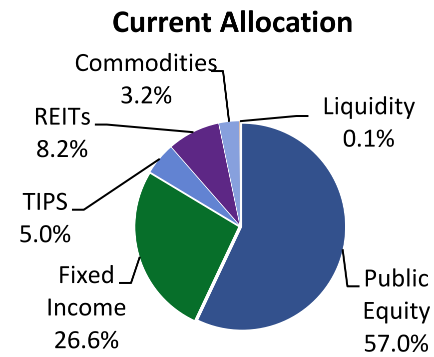


Affiliate Investment Program

CERBT Strategy 1 Fund (CERBT 1) & CERBT Strategy 2 Fund (CERBT 2)
As of May 31, 2018

Asset Allocation, Performance & Realized Risk Summary - CERBT 1

Asset Allocation	EMV (mil)	Current Allocation (%)	Strategic Target (%)[1]	Variance (%)	Target Range
Public Equity	$ 3,822.0	57.0%	57%	0.0%	± 2%
Fixed Income	$ 1,782.5	26.6%	27%	(0.4%)	±2%
TIPS	$ 331.8	5.0%	5%	(0.0%)	± 2%
REITs	$ 547.0	8.2%	8%	0.2%	± 2%
Commodities	$ 211.9	3.2%	3%	0.2%	± 2%
Liquidity	$ 7.6	0.1%	0%	0.1%	+2%
Total CERBT 1	**$ 6,702.8**	**100.0%**	**100.0%**	**0.0%**	

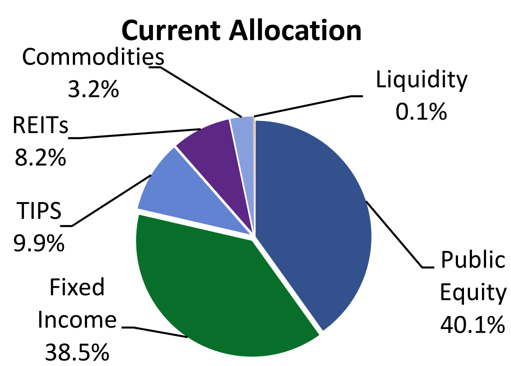


Performance Summary	FYTD Net Return	FYTD BM Return	FYTD Excess Bps	1-Yr Net Return	1-Yr BM Return	1-Yr Excess Bps	3-Yr Net Return	3-Yr BM Return	3-Yr Excess Bps	5-Yr Net Return	5-Yr BM Return	5-Yr Excess Bps	10-Yr Net Return	10-Yr BM Return	10-Yr Excess Bps
Public Equity	12.1%	11.8%	33	12.8%	12.5%	37	8.2%	7.7%	41	9.5%	9.1%	38	5.7%	5.5%	19
Fixed Income	0.4%	(0.1%)	48	0.3%	(0.2%)	52	2.6%	2.0%	60	3.6%	2.8%	79	6.0%	5.3%	70
TIPS	1.8%	1.7%	6	0.8%	0.7%	6	1.5%	1.5%	0	0.8%	0.9%	(4)	-	-	-
REITs	4.5%	3.8%	69	5.4%	4.6%	77	3.9%	3.1%	82	5.3%	4.6%	77	2.9%	2.3%	60
Commodities	28.6%	28.3%	31	26.1%	25.8%	30	(4.9%)	(4.8%)	(3)	(9.7%)	(9.6%)	(9)	-	-	-
Liquidity	2.5%	1.2%	135	2.6%	1.3%	137	1.3%	0.6%	69	0.8%	0.4%	40	0.6%	0.4%	25
Total CERBT 1	**8.2%**	**7.9%**	**28**	**8.5%**	**8.2%**	**34**	**5.7%**	**5.3%**	**45**	**6.8%**	**6.4%**	**43**	**5.3%**	**5.1%**	**18**

5-Yr Realized Volatility: **7.2%** **5-Yr Realized Tracking Error:** **0.2%**

Asset Allocation, Performance & Realized Risk Summary - CERBT 2

Asset Allocation	EMV (mil)	Current Allocation (%)	Strategic Target (%)[1]	Variance (%)	Target Range
Public Equity	$ 426.5	40.1%	40%	0.1%	± 2%
Fixed Income	$ 409.4	38.5%	39%	(0.5%)	± 2%
TIPS	$ 105.5	9.9%	10%	(0.1%)	± 2%
REITs	$ 86.9	8.2%	8%	0.2%	± 2%
Commodities	$ 33.7	3.2%	3%	0.2%	± 2%
Liquidity	$ 1.2	0.1%	0%	0.1%	+2%
Total CERBT 2	**$ 1,063.3**	**100.0%**	**100.0%**	**0.0%**	



Performance Summary	FYTD Net Return	FYTD BM Return	FYTD Excess Bps	1-Yr Net Return	1-Yr BM Return	1-Yr Excess Bps	3-Yr Net Return	3-Yr BM Return	3-Yr Excess Bps	5-Yr Net Return	5-Yr BM Return	5-Yr Excess Bps	10-Yr Net Return	10-Yr BM Return	10-Yr Excess Bps
Public Equity	12.1%	11.8%	32	12.8%	12.5%	35	8.1%	7.7%	36	9.4%	9.1%	35	-	-	-
Fixed Income	0.4%	(0.1%)	49	0.3%	(0.2%)	52	2.6%	2.0%	61	3.6%	2.8%	79	-	-	-
TIPS	1.8%	1.7%	6	0.8%	0.7%	6	1.5%	1.5%	(0)	0.8%	0.9%	(6)	-	-	-
REITs	4.5%	3.8%	66	5.3%	4.6%	74	3.9%	3.1%	83	5.3%	4.6%	74	-	-	-
Commodities	28.7%	28.3%	35	26.2%	25.8%	34	(4.9%)	(4.8%)	(2)	(9.7%)	(9.6%)	(5)	-	-	-
Liquidity	3.5%	1.2%	233	3.7%	1.3%	242	1.9%	0.6%	126	1.2%	0.4%	78	-	-	-
Total CERBT 2	**6.3%**	**5.9%**	**32**	**6.4%**	**6.0%**	**38**	**4.7%**	**4.3%**	**42**	**5.6%**	**5.2%**	**41**	**-**	**-**	**-**

5-Yr Realized Volatility: **6.0%** **5-Yr Realized Tracking Error:** **0.2%**

[1] Allocations approved by the Board at the October 2014 IC Meeting

Affiliate Investment Program

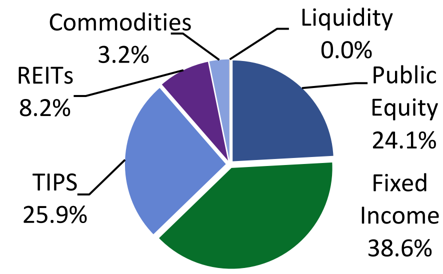
CERBT Strategy 3 Fund (CERBT 3) & Legislators' Retirement System Fund (LRF)

As of May 31, 2018

Asset Allocation, Performance & Realized Risk Summary - CERBT 3

Asset Allocation	EMV (mil)	Current Allocation (%)	Strategic Target (%)[1]	Variance (%)	Target Range
Public Equity	$ 82.9	24.1%	24%	0.1%	± 2%
Fixed Income	$ 132.6	38.6%	39%	(0.4%)	± 2%
TIPS	$ 88.8	25.9%	26%	(0.1%)	± 2%
REITs	$ 28.1	8.2%	8%	0.2%	± 2%
Commodities	$ 10.9	3.2%	3%	0.2%	± 2%
Liquidity	$ 0.1	0.0%	0%	0.0%	+2%
Total CERBT 3	**$ 343.3**	**100.0%**	**100.0%**	**0.0%**	

Current Allocation



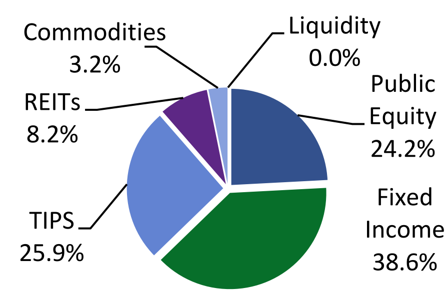
Performance Summary	FYTD Net Return	FYTD BM Return	FYTD Excess Bps	1-Yr Net Return	1-Yr BM Return	1-Yr Excess Bps	3-Yr Net Return	3-Yr BM Return	3-Yr Excess Bps	5-Yr Net Return	5-Yr BM Return	5-Yr Excess Bps	10-Yr Net Return	10-Yr BM Return	10-Yr Excess Bps
Public Equity	12.1%	11.8%	31	12.8%	12.5%	34	8.1%	7.7%	35	9.4%	9.1%	36	-	-	-
Fixed Income	0.4%	(0.1%)	48	0.3%	(0.2%)	52	2.6%	2.0%	57	3.6%	2.8%	74	-	-	-
TIPS	1.8%	1.7%	7	0.8%	0.7%	6	1.5%	1.5%	(0)	0.8%	0.9%	(2)	-	-	-
REITs	4.5%	3.8%	67	5.3%	4.6%	74	3.8%	3.1%	73	5.3%	4.6%	72	-	-	-
Commodities	28.7%	28.3%	36	26.2%	25.8%	35	(4.7%)	(4.8%)	10	(9.5%)	(9.6%)	8	-	-	-
Liquidity	2.1%	1.2%	87	2.2%	1.3%	90	1.2%	0.6%	57	0.8%	0.4%	45	-	-	-
Total CERBT 3	**4.6%**	**4.3%**	**29**	**4.5%**	**4.2%**	**34**	**3.6%**	**3.3%**	**36**	**4.5%**	**4.0%**	**44**	**-**	**-**	**-**

5-Yr Realized Volatility: 4.9% **5-Yr Realized Tracking Error:** 0.3%

Asset Allocation, Performance & Realized Risk Summary - LRF

Asset Allocation	EMV (mil)	Current Allocation (%)	Strategic Target (%)[1]	Variance (%)	Target Range
Public Equity	$ 27.7	24.2%	24%	0.2%	± 5%
Fixed Income	$ 44.2	38.6%	39%	(0.4%)	± 5%
TIPS	$ 29.6	25.9%	26%	(0.1%)	± 3%
REITs	$ 9.4	8.2%	8%	0.2%	± 5%
Commodities	$ 3.6	3.2%	3%	0.2%	± 3%
Liquidity	$ 0.0	0.0%	0%	0.0%	+2%
Total LRF	**$ 114.5**	**100.0%**	**100.0%**	**0.0%**	

Current Allocation



Performance Summary	FYTD Net Return	FYTD BM Return	FYTD Excess Bps	1-Yr Net Return	1-Yr BM Return	1-Yr Excess Bps	3-Yr Net Return	3-Yr BM Return	3-Yr Excess Bps	5-Yr Net Return	5-Yr BM Return	5-Yr Excess Bps	10-Yr Net Return	10-Yr BM Return	10-Yr Excess Bps
Public Equity	12.6%	12.6%	4	13.4%	13.4%	6	8.4%	8.2%	15	9.8%	9.7%	12	6.0%	6.0%	7
Fixed Income	0.4%	(0.1%)	48	0.3%	(0.2%)	52	2.6%	2.0%	60	3.6%	2.8%	79	6.0%	5.3%	69
TIPS	1.8%	1.7%	7	0.8%	0.7%	6	1.5%	1.5%	1	0.8%	0.9%	(4)	3.2%	3.1%	7
REITs	5.0%	5.0%	(3)	5.9%	6.0%	(4)	4.8%	4.8%	0	6.0%	6.0%	2	-	-	-
Commodities	28.6%	28.3%	30	26.1%	25.8%	29	(4.5%)	(4.8%)	38	(9.5%)	(9.6%)	11	-	-	-
Liquidity	7.5%	1.2%	633	7.9%	1.3%	657	3.0%	0.6%	235	1.8%	0.4%	141	1.1%	0.4%	76
Total LRF	**4.7%**	**4.6%**	**17**	**4.7%**	**4.5%**	**20**	**3.7%**	**3.5%**	**23**	**4.6%**	**4.3%**	**31**	**5.4%**	**5.1%**	**28**

5-Yr Realized Volatility: 4.9% **5-Yr Realized Tracking Error:** 0.3%

[1] Allocations approved by the Board at the October 2014 IC Meeting

Affiliate Investment Program

Judges' Retirement Fund (JRF) & Judges Retirement System Fund II (JRF II)
As of May 31, 2018

Asset Allocation, Performance & Realized Risk Summary - JRF

Asset Allocation	EMV (mil)	Current Allocation (%)	Strategic Target (%)[1]	Variance (%)	Target Range
Cash	$ 40.1	100.0%	100%	0.0%	± 0%
Total JRF	**$ 40.1**	**100.0%**	**100%**	**0.0%**	

Current Allocation

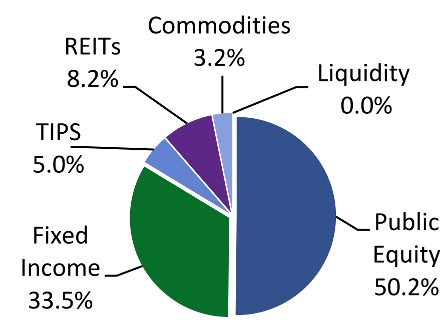
Performance Summary	FYTD			1-Yr			3-Yr			5-Yr			10-Yr		
	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps
Cash	1.3%	1.2%	12	1.4%	1.3%	12	0.8%	0.6%	18	0.5%	0.4%	11	0.5%	0.4%	12
Total JRF	**1.3%**	**1.2%**	**12**	**1.4%**	**1.3%**	**12**	**0.8%**	**0.6%**	**18**	**0.5%**	**0.4%**	**11**	**0.5%**	**0.4%**	**12**

5-Yr Realized Volatility: **0.2%** **5-Yr Realized Tracking Error:** **0.0%**

Asset Allocation, Performance Realized Risk Summary - JRF II

Asset Allocation	EMV (mil)	Current Allocation (%)	Strategic Target (%)[1]	Variance (%)	Target Range
Public Equity	$ 758.3	50.2%	50%	0.2%	± 5%
Fixed Income	$ 506.4	33.5%	34%	(0.5%)	± 5%
TIPS	$ 74.9	5.0%	5%	(0.0%)	± 3%
REITs	$ 123.9	8.2%	8%	0.2%	± 5%
Commodities	$ 47.8	3.2%	3%	0.2%	± 3%
Liquidity	$ 0.0	0.0%	0%	0.0%	+2%
Total JRF II	**$ 1,511.4**	**100.0%**	**100.0%**	**0.0%**	

Current Allocation



Performance Summary	FYTD			1-Yr			3-Yr			5-Yr			10-Yr		
	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps
Public Equity	12.6%	12.6%	4	13.4%	13.4%	6	8.3%	8.2%	13	9.8%	9.7%	11	5.8%	5.7%	6
Fixed Income	0.4%	(0.1%)	48	0.3%	(0.2%)	52	2.6%	2.0%	61	3.6%	2.8%	78	6.0%	5.3%	69
TIPS	1.8%	1.7%	6	0.8%	0.7%	6	1.5%	1.5%	0	0.8%	0.9%	(4)	-	-	-
REITs	5.0%	5.0%	(3)	5.9%	6.0%	(4)	4.7%	4.8%	(1)	6.0%	6.0%	2	3.2%	3.1%	13
Commodities	28.6%	28.3%	31	26.1%	25.8%	30	(4.5%)	(4.8%)	38	(9.5%)	(9.6%)	12	-	-	-
Liquidity	3.8%	1.2%	263	4.1%	1.3%	286	1.7%	0.6%	108	1.3%	0.4%	90	0.9%	0.4%	51
Total JRF II	**7.6%**	**7.5%**	**13**	**8.0%**	**7.8%**	**17**	**5.5%**	**5.2%**	**23**	**6.7%**	**6.4%**	**24**	**5.8%**	**5.7%**	**4**

5-Yr Realized Volatility: **6.8%** **5-Yr Realized Tracking Error:** **0.2%**

[1] Allocations approved by the Board at the October 2014 IC Meeting

Affiliate Investment Program

Health Care Fund (HCF) & Long-Term Care Fund (LTCF)
As of May 31, 2018

Asset Allocation, Performance & Realized Risk Summary - HCF

Asset Allocation	EMV (mil)	Current Allocation (%)	Strategic Target (%)[1]	Variance (%)	Target Range
Fixed Income	$ 443.8	100.0%	100%	0.0%	± 0%
Total HCF	**$ 443.8**	**100.0%**	**100%**	**0.0%**	

Current Allocation

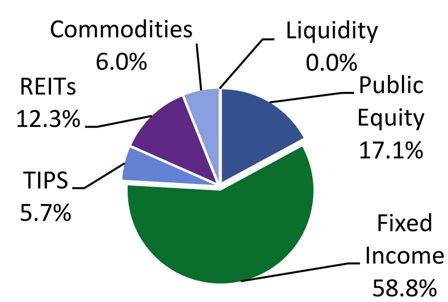
Performance Summary	FYTD Net Return	FYTD BM Return	FYTD Excess Bps	1-Yr Net Return	1-Yr BM Return	1-Yr Excess Bps	3-Yr Net Return	3-Yr BM Return	3-Yr Excess Bps	5-Yr Net Return	5-Yr BM Return	5-Yr Excess Bps	10-Yr Net Return	10-Yr BM Return	10-Yr Excess Bps
Fixed Income	(0.2%)	(0.3%)	7	(0.3%)	(0.4%)	6	1.4%	1.4%	3	2.2%	2.0%	25	4.0%	3.7%	28
Total HCF	**(0.2%)**	**(0.3%)**	**7**	**(0.3%)**	**(0.4%)**	**6**	**1.4%**	**1.4%**	**3**	**2.2%**	**2.0%**	**25**	**4.0%**	**3.7%**	**28**

5-Yr Realized Volatility: **2.8%** **5-Yr Realized Tracking Error:** **0.3%**

Asset Allocation, Performance & Realized Risk Summary - LTCF

Asset Allocation	EMV (mil)	Current Allocation (%)	Strategic Target (%)[2]	Variance (%)	Target Range
Public Equity	$ 772.2	17.1%	15%	2.1%	± 4%
Fixed Income	$ 2,655.1	58.8%	61%	(2.2%)	± 5%
TIPS	$ 258.4	5.7%	6%	(0.3%)	± 2%
REITs	$ 557.0	12.3%	12%	0.3%	± 4%
Commodities	$ 272.1	6.0%	6%	0.0%	± 2%
Liquidity	$ 0.1	0.0%	0%	0.0%	± 2%
Total LTCF	**$ 4,515.0**	**100.0%**	**100.0%**	**0.0%**	

Current Allocation



Performance Summary	FYTD Net Return	FYTD BM Return	FYTD Excess Bps	1-Yr Net Return	1-Yr BM Return	1-Yr Excess Bps	3-Yr Net Return	3-Yr BM Return	3-Yr Excess Bps	5-Yr Net Return	5-Yr BM Return	5-Yr Excess Bps	10-Yr Net Return	10-Yr BM Return	10-Yr Excess Bps
Public Equity	12.1%	11.8%	29	12.8%	12.5%	31	8.1%	7.7%	34	9.4%	9.1%	32	5.8%	5.6%	15
Fixed Income	(0.1%)	(0.1%)	6	(0.1%)	(0.2%)	9	2.1%	2.0%	3	2.8%	2.8%	2	5.5%	5.3%	23
TIPS	1.7%	1.7%	(0)	0.7%	0.7%	(1)	1.5%	1.5%	(1)	0.9%	0.9%	(0)	3.2%	3.1%	8
REITs	4.5%	3.8%	67	5.4%	4.6%	75	3.9%	3.1%	79	5.3%	4.6%	72	2.8%	2.3%	44
Commodities	28.1%	28.3%	(24)	25.6%	25.8%	(27)	(4.9%)	(4.8%)	(5)	(9.6%)	(9.6%)	(3)	-	-	-
Liquidity	2.2%	1.2%	97	2.3%	1.3%	98	3.0%	0.6%	240	1.7%	0.4%	134	1.1%	0.4%	73
Total LTCF	**3.9%**	**3.8%**	**11**	**3.9%**	**3.8%**	**15**	**2.9%**	**2.7%**	**14**	**3.4%**	**3.3%**	**20**	**3.9%**	**3.7%**	**13**

5-Yr Realized Volatility: **4.9%** **5-Yr Realized Tracking Error:** **0.2%**

[1] Allocations approved by the Board at the April 2016 IC Meeting
[2] Allocations approved by the Board at the June 2015 IC Meeting

Affiliate Investment Program

Supplemental Income Plans (SIP)
As of May 31, 2018

Asset Allocation - SIP

Asset Allocation	EMV (mil)	U.S. Equities			Int'l Equities			US Fixed Income			Real Assets			Cash and Cash Equivalents		
		Actual	Target	Range	Actual	Target	Range	Actual	Target	Range	Actual	Target	Range	Actual	Target	Range
Target Income Fund	$101.4	9.2%	9.0%	+/- 2%	10.9%	11.0%	+/- 2%	50.0%	50.0%	+/- 4%	0.0%	0.0%	-	30.0%	30.0%	+/- 4%
Target 2015 Fund	$ 88.5	9.2%	9.0%	+/- 2%	10.9%	11.0%	+/- 2%	50.0%	50.0%	+/- 4%	0.0%	0.0%	-	29.9%	30.0%	+/- 4%
Target 2020 Fund	$149.5	11.2%	11.0%	+/- 2%	12.8%	13.0%	+/- 2%	48.0%	48.0%	+/- 4%	0.0%	0.0%	-	27.9%	28.0%	+/- 4%
Target 2025 Fund	$128.7	18.3%	18.0%	+/- 2%	19.7%	20.0%	+/- 4%	37.9%	38.0%	+/- 4%	2.1%	2.0%	+/- 1%	21.9%	22.0%	+/- 4%
Target 2030 Fund	$122.0	22.4%	22.0%	+/- 4%	25.6%	26.0%	+/- 4%	30.9%	31.0%	+/- 4%	4.1%	4.0%	+/- 1%	16.9%	17.0%	+/- 2%
Target 2035 Fund	$ 70.9	27.4%	27.0%	+/- 4%	31.5%	32.0%	+/- 4%	23.9%	24.0%	+/- 4%	6.2%	6.0%	+/- 1%	10.9%	11.0%	+/- 1%
Target 2040 Fund	$ 63.0	32.5%	32.0%	+/- 4%	36.4%	37.0%	+/- 4%	16.9%	17.0%	+/- 2%	8.2%	8.0%	+/- 1%	6.0%	6.0%	+/- 1%
Target 2045 Fund	$ 30.4	37.5%	37.0%	+/- 4%	42.2%	43.0%	+/- 4%	9.9%	10.0%	+/- 2%	10.3%	10.0%	+/- 1%	0.0%	0.0%	-
Target 2050 Fund	$ 14.4	37.5%	37.0%	+/- 4%	42.2%	43.0%	+/- 4%	10.0%	10.0%	+/- 2%	10.3%	10.0%	+/- 1%	0.0%	0.0%	-
Target 2055 Fund	$ 7.8	37.5%	37.0%	+/- 4%	42.2%	43.0%	+/- 4%	9.9%	10.0%	+/- 2%	10.3%	10.0%	+/- 1%	0.0%	0.0%	-
SSgA STIF	$109.3	0.0%	0.0%	-	0.0%	0.0%	-	0.0%	0.0%	-	0.0%	0.0%	-	100.0%	100.0%	-
SIP US ST Bond Core	$ 34.7	0.0%	0.0%	-	0.0%	0.0%	-	100.0%	100.0%	-	0.0%	0.0%	-	0.0%	0.0%	-
SIP US Bond Core	$ 58.8	0.0%	0.0%	-	0.0%	0.0%	-	100.0%	100.0%	-	0.0%	0.0%	-	0.0%	0.0%	-
SIP Real Asset Core	$ 6.3	0.0%	0.0%	-	0.0%	0.0%	-	0.0%	0.0%	-	100.0%	100.0%	-	0.0%	0.0%	-
SIP Russell All Cap Core	$571.6	100.0%	100.0%	-	0.0%	0.0%	-	0.0%	0.0%	-	0.0%	0.0%	-	0.0%	0.0%	-
SIP Glbl All Cap EX-US	$ 75.1	0.0%	0.0%	-	100.0%	100.0%	-	0.0%	0.0%	-	0.0%	0.0%	-	0.0%	0.0%	-

Performance Summary - SIP

Performance Summary	FYTD			1-Yr			3-Yr			5-Yr			10-Yr		
	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps
Target Income Fund	2.6%	2.6%	2	2.7%	2.6%	2	2.6%	2.5%	10	3.2%	3.1%	12	-	-	-
Target 2015 Fund	2.6%	2.6%	3	2.7%	2.6%	3	2.6%	2.5%	10	3.5%	3.4%	11	-	-	-
Target 2020 Fund	3.2%	3.1%	1	3.3%	3.3%	1	2.8%	2.7%	10	4.0%	3.9%	12	-	-	-
Target 2025 Fund	4.9%	4.9%	1	5.2%	5.2%	1	3.8%	3.7%	10	5.1%	4.9%	14	-	-	-
Target 2030 Fund	6.2%	6.3%	(1)	6.5%	6.5%	(0)	4.5%	4.4%	9	5.8%	5.7%	15	-	-	-
Target 2035 Fund	7.6%	7.6%	(2)	8.0%	8.0%	(1)	5.3%	5.2%	9	6.6%	6.5%	15	-	-	-
Target 2040 Fund	9.1%	9.1%	(1)	9.5%	9.5%	(0)	6.0%	5.9%	9	7.4%	7.2%	18	-	-	-
Target 2045 Fund	10.3%	10.4%	(0)	10.9%	10.8%	1	6.8%	6.7%	11	7.9%	7.8%	20	-	-	-
Target 2050 Fund	10.4%	10.4%	3	10.9%	10.8%	3	6.8%	6.7%	10	7.9%	7.8%	18	-	-	-
Target 2055 Fund	10.4%	10.4%	1	10.9%	10.8%	2	6.8%	6.7%	12	-	-	-	-	-	-
SSgA STIF	1.3%	1.2%	12	1.4%	1.3%	12	0.8%	0.6%	17	0.5%	0.4%	10	-	-	-
SIP US ST Bond Core	0.1%	0.2%	(12)	0.0%	0.2%	(12)	0.6%	0.7%	(13)	-	-	-	-	-	-
SIP US Bond Core	-0.3%	-0.3%	(0)	-0.4%	-0.4%	(1)	1.4%	1.4%	1	-	-	-	-	-	-
SIP Real Asset Core	8.7%	8.9%	(27)	8.5%	8.8%	(27)	2.5%	2.6%	(14)	-	-	-	-	-	-
SIP Russell All Cap Core	14.0%	14.0%	(5)	15.0%	15.1%	(6)	10.7%	10.7%	3	-	-	-	-	-	-
SIP Glbl All Cap EX-US	10.1%	9.9%	20	10.5%	10.3%	20	5.4%	5.2%	21	-	-	-	-	-	-

Affiliate Investment Program

Supplemental Income Plans (SIP)
As of May 31, 2018

Realized Risk - SIP

Realized Risk	5-Yr Realized Volatility	5-Yr Realized Tracking Error
Target Income Fund	2.7%	0.2%
Target 2015 Fund	3.1%	0.2%
Target 2020 Fund	3.9%	0.2%
Target 2025 Fund	5.0%	0.3%
Target 2030 Fund	6.1%	0.3%
Target 2035 Fund	7.2%	0.4%
Target 2040 Fund	8.3%	0.5%
Target 2045 Fund	8.8%	0.5%
Target 2050 Fund	8.8%	0.5%
Target 2055 Fund	-	-
SSgA STIF	0.2%	0.0%
SIP US ST Bond Core	-	-
SIP US Bond Core	-	-
SIP Real Asset Core	-	-
SIP Russell All Cap Core	-	-
SIP Glbl All Cap EX-US	-	-

CalPERS Trust Level

Trust Level Benchmarks
As of May 31, 2018

Public Employee's Retirement Fund and Affiliate Investment Programs Policy Benchmarks

Trust	Asset Class Benchmark[1]	Policy Benchmark
Public Employees' Retirement Fund	Growth Benchmark	**Public Equity 85.2%:** CalPERS Custom FTSE Global Composite **Private Equity 14.8%: (**67% FTSE U.S. TMI + 33% FTSE AW ex US TMI) + 3% 1 Qtr Lag
	Income Benchmark	**US 90%:** Bloomberg Barclays Long Liability **Int'l 10%:** Bloomberg Barclays International Fixed Income Index GDP weighted ex-US
	Real Assets Benchmark	**Real Estate 84.6%:** NCREIF ODCE (Net) 1 Qtr Lag **Infrastructure 7.7%:** CPI + 4% 1 Qtr Lag **Forestland 7.7%:** NCREIF Timberland (Gross) 1 Qtr Lag
	Inflation Benchmark	**Inflation Linked Bonds Portfolio 75%:** 67% Bloomberg Barclays Global Inflation US + 33% Bloomberg Barclays Universal Governmental Inflation Linked Bond Index ex-US **Commodities Portfolio 25%:** S&P GSCI 500 Total Return Index
	Liquidity Benchmark	**Liquidity Portfolio 100%:** 30-Day Treasury Bill
Judges' Retirement System Fund	Cash	91-day Treasury Bill
Judges' Retirement System II Fund	Public Equity	SSGA MSCI ACWI IMI - DB
	U.S. Fixed Income	Bloomberg Barclays Long Liability Index
	TIPS	Bloomberg Barclays U.S. TIPs Index, Series L
	Commodities	S&P GSCI Total Return Daily
	REITs	SSGA Global REIT
Legislators' Retirement System Fund	Public Equity	SSGA MSCI ACWI IMI - DB
	U.S. Fixed Income	Bloomberg Barclays Long Liability Index
	TIPS	Bloomberg Barclays U.S. TIPs Index, Series L
	Commodities	S&P GSCI Total Return Daily
	REITs	SSGA Global REIT
Public Employees' Health Care Fund	U.S. Fixed Income	Barclays U.S. Aggregate Bond Index
Long-Term Care Fund	Public Equity	MSCI ACWI IMI (Net)
	U.S. Fixed Income	Bloomberg Barclays Long Liability Index
	TIPS	Bloomberg Barclays U.S. Treasury Inflation Protected Securities (TIPS) Index
	Commodities	S&P GSCI Total Return Daily
	REITs	FTSE EPRA/NAREIT Developed Liquid (Net)
California Employers' Retiree Benefit Trust (CERBT) Funds 1, 2 & 3	Public Equity	MSCI ACWI IMI (Net)
	U.S. Fixed Income	Bloomberg Barclays Long Liability Index
	TIPS	Bloomberg Barclays U.S. TIPS Index, Series L
	Commodities	S&P GSCI Total Return Daily
	REITs	FTSE EPRA/NAREIT Developed Liquid (Net)

[1] Weights are based on the interim Strategic Targets of the Asset Class Benchmark.

CalPERS Trust Level

Trust Level Benchmarks
As of May 31, 2018

Supplemental Income Plan Policy Benchmarks

Strategic Allocation Target					
Supplemental Income Plan	US Equities Russell 3000	In'l Equities MSCI ACWI ex US	US Income Bloomberg Barclays US Ag Bond	Real Assets SSGA Real Asset	Cash & Cash Equivalents BofA ML 3 mo T-bill
Target Income Fund	9.0%	11.0%	50.0%	0.0%	30.0%
Target 2015 Fund	9.0%	11.0%	50.0%	0.0%	30.0%
Target 2020 Fund	11.0%	13.0%	48.0%	0.0%	28.0%
Target 2025 Fund	18.0%	20.0%	38.0%	2.0%	22.0%
Target 2030 Fund	22.0%	26.0%	31.0%	4.0%	17.0%
Target 2035 Fund	27.0%	32.0%	24.0%	6.0%	11.0%
Target 2040 Fund	32.0%	37.0%	17.0%	8.0%	6.0%
Target 2045 Fund	37.0%	43.0%	10.0%	10.0%	0.0%
Target 2050 Fund	37.0%	43.0%	10.0%	10.0%	0.0%
Target 2055 Fund	37.0%	43.0%	10.0%	10.0%	0.0%
SSgA STIF	0.0%	0.0%	0.0%	0.0%	100.0%
SIP US ST Bond Core	0.0%	0.0%	100.0%	0.0%	0.0%
SIP US Bond Core	0.0%	0.0%	100.0%	0.0%	0.0%
SIP Real Asset Core	0.0%	0.0%	0.0%	100.0%	0.0%
SIP Russell All Cap Core	100.0%	0.0%	0.0%	0.0%	0.0%
SIP Global All Cap ex US	0.0%	100.0%	0.0%	0.0%	0.0%