

Public Employees Retirement Fund (PERF)

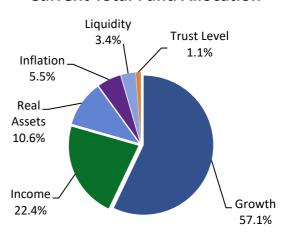
As of July 31, 2018

Asset Allocation

Asset Allocation	EMV (bil)	Current Allocation (%)	Interim Policy Weight (%) ¹	Variance (%)
Growth	\$ 204.0	57.1%	57.0%	0.1%
Public Equity	\$ 176.7	49.4%	49.0%	0.4%
Private Equity	\$ 27.3	7.6%	8.0%	(0.4%)
Income	\$ 80.0	22.4%	22.0%	0.4%
Real Assets	\$ 37.8	10.6%	12.0%	(1.4%)
Real Estate	\$ 31.9	8.9%	10.0%	(1.1%)
Infrastructure	\$ 4.4	1.2%	1.0%	0.2%
Forestland	\$ 1.5	0.4%	1.0%	(0.6%)
Inflation	\$ 19.6	5.5%	6.0%	(0.5%)
Liquidity	\$ 12.1	3.4%	3.0%	0.4%
Trust Level ²	\$ 4.1	1.1%	-	1.1%
Total Fund	\$ 357.7	100.0%	100.0%	0.0%

TAP ³	\$	0.1
TF Plus TAP	Ś	357.8

Current Total Fund Allocation



Performance Summary

	FYTD			1-Yr			3-Yr			5-Yr			10-Yr			5-Yr Realized
Performance Summary	Net Return	BM Return	Excess Bps	Infomation Ratio ⁴												
Growth	2.6%	2.6%	(3)	12.2%	12.9%	(70)	9.8%	10.1%	(29)	10.1%	10.5%	(44)	7.5%	8.6%	(115)	-
Public Equity	2.8%	2.8%	4	11.5%	11.9%	(38)	9.7%	9.6%	8	9.7%	9.7%	3	7.2%	7.5%	(26)	0.1
Private Equity	0.7%	1.2%	(52)	16.2%	18.0%	(178)	10.4%	11.9%	(151)	11.9%	13.8%	(196)	9.3%	13.5%	(425)	-
Income	(0.0%)	-0.1%	4	(0.3%)	(0.7%)	43	2.9%	2.3%	54	3.8%	3.1%	74	5.9%	4.9%	95	1.2
Real Assets	0.1%	0.0%	7	8.1%	6.7%	137	7.2%	8.3%	(113)	9.4%	9.6%	(21)	(0.5%)	6.3%	(684)	-
Real Estate	0.0%	0.0%	1	6.8%	7.1%	(29)	7.2%	9.0%	(183)	9.8%	10.4%	(66)	(1.0%)	7.1%	(806)	-
Infrastructure	0.6%	0.0%	57	22.1%	5.8%	1,636	13.3%	5.7%	751	15.1%	5.4%	970	14.5%	5.7%	875	-
Forestland	0.0%	0.0%	0	1.9%	3.8%	(187)	(2.4%)	3.4%	(581)	(1.0%)	6.1%	(709)	(1.1%)	4.1%	(513)	-
Inflation	(1.0%)	-1.1%	7	5.9%	5.8%	11	1.7%	1.4%	30	(1.0%)	(1.5%)	54	(1.2%)	(0.8%)	(40)	0.7
Liquidity	0.2%	0.1%	5	1.8%	1.4%	39	1.0%	0.7%	28	0.9%	1.0%	(12)	1.0%	1.1%	(12)	-
Trust Level ¹	-	-		-	-	-	-	-	-	-		-	ı	-	-	-
Total Fund	1.4%	1.4%	(0)	8.3%	8.3%	(3)	7.1%	7.2%	(14)	7.7%	7.8%	(7)	5.9%	7.0%	(109)	-

¹ Interim policy weight implemented as part of transition to strategic policy targets.

² Trust Level includes Multi Asset Class, Completion Overlay, Risk Mitigation, Absolute Return Strategies, Plan Level Transition and other Total Fund level portfolios

³ 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

⁴ 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 July 31, 2018

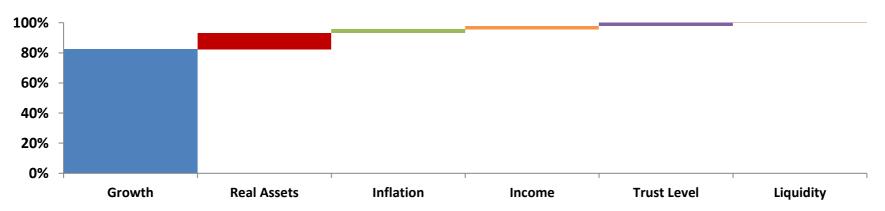
Total Fund Risk

Risk Measure	7/31/2018	6/30/2018	Explanation of Risk Measures:				
Forecast Volatility			The total (absolute) volatility is the annualized standard deviation of the PERF's				
Portfolio	7.4%	7.6%	total return distribution and is indicative of the plan's short-term return dispersion				
Benchmark 7.3%		7.4%	given the current enviroment. The metric is model-based and could underestin potential drawdowns.				
Forecast Tracking Er	rror						
Portfolio	0.5%	0.5%	Forecast tracking error is the annualized standard deviation of the differential return between the portfolio and an equal investment in the benchmark.				

	Portfolio '	Volatility	Tracking	g Error
July 31, 2018	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	11.2%	8.5%	0.7%	1.8%
Public Equity	11.0%	10.0%	0.2%	0.3%
Private Equity	14.4%	4.0%	4.6%	6.3%
Income	5.2%	4.4%	0.2%	0.6%
Real Assets	10.3%	4.2%	3.3%	4.3%
Real Estate	11.2%	4.7%	3.8%	4.9%
Infrastructure	7.3%	5.1%	6.3%	4.7%
Forestland	14.1%	4.4%	13.1%	4.3%
Inflation	6.3%	5.7%	0.2%	0.8%
Liquidity	0.0%	0.9%	0.0%	0.5%
Trust Level	7.7%	-	7.7%	-
Total Fund	7.4%	5.6%	0.5%	1.2%

 $^{^{1}}$ Realized Volatility and Tracking Error for private asset classes are computed from quarterly net returns

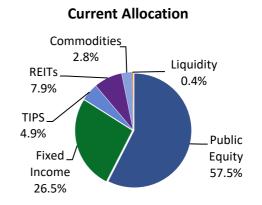
Contribution to Total Fund Volatility



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

Asset Allocation, Performance & Realized Risk Summary - CERBT 1

Asset Allocation	EMV (mil)	Current Allocation (%)	Policy Weight (%) ¹	Variance (%)	Policy Range
Public Equity	\$ 4,036.4	57.5%	57%	0.5%	± 2%
Fixed Income	\$ 1,858.6	26.5%	27%	(0.5%)	±2%
TIPS	\$ 342.8	4.9%	5%	(0.1%)	± 2%
REITs	\$ 556.1	7.9%	8%	(0.1%)	± 2%
Commodities	\$ 199.4	2.8%	3%	(0.2%)	± 2%
Liquidity	\$ 25.9	0.4%	0%	0.4%	+2%
Total CERBT 1	\$ 7,019.1	100.0%	100.0%	0.0%	



		FYTD			1-Yr			3-Yr			5-Yr			10-Yr	
Performance Summary	Net Return	BM Return	Excess Bps												
Public Equity	2.8%	2.8%	2	11.5%	11.2%	32	9.5%	9.1%	40	9.5%	9.1%	38	7.0%	6.9%	20
Fixed Income	(0.1%)	(0.1%)	(0)	(0.2%)	(0.7%)	50	2.9%	2.3%	61	4.2%	3.4%	78	6.1%	5.3%	84
TIPS	(0.5%)	(0.5%)	0	1.3%	1.2%	8	1.7%	1.7%	1	1.4%	1.4%	(6)	-	-	-
REITs	0.9%	0.9%	5	5.3%	4.6%	76	4.9%	4.1%	81	6.2%	5.4%	78	4.1%	3.5%	62
Commodities	(3.5%)	(3.5%)	4	20.2%	20.0%	26	(0.6%)	(0.6%)	(4)	(10.9%)	(10.9%)	(1)	-	-	-
Liquidity	0.2%	0.2%	5	2.8%	1.4%	140	1.4%	0.7%	70	0.9%	0.5%	42	0.6%	0.4%	25
Total CERBT 1	1.5%	1.5%	(1)	7.5%	7.2%	29	6.8%	6.3%	43	7.0%	6.5%	43	6.2%	6.1%	12

5-Yr Realized Volatility:

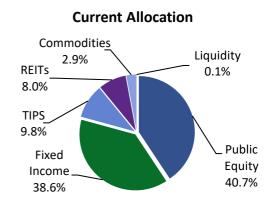
6.9%

5-Yr Realized Tracking Error:

0.2%

Asset Allocation, Performance & Realized Risk Summary - CERBT 2

Asset Allocation	EMV (mil)	Current Allocation (%)	Policy Weight (%) ¹	Variance (%)	Policy Range
Public Equity	\$ 455.0	40.7%	40%	0.7%	± 2%
Fixed Income	\$ 431.2	38.6%	39%	(0.4%)	± 2%
TIPS	\$ 110.1	9.8%	10%	(0.2%)	± 2%
REITs	\$ 89.3	8.0%	8%	(0.0%)	± 2%
Commodities	\$ 32.0	2.9%	3%	(0.1%)	± 2%
Liquidity	\$ 0.7	0.1%	0%	0.1%	+2%
Total CERBT 2	\$ 1,118.3	100.0%	100.0%	0.0%	



	FYTD			1-Yr			3-Yr			5-Yr			10-Yr		
Performance Summary	Net Return	BM Return	Excess Bps												
Public Equity	2.8%	2.8%	2	11.5%	11.2%	34	9.5%	9.1%	38	9.5%	9.1%	35	-	-	-
Fixed Income	(0.1%)	(0.1%)	(0)	(0.2%)	(0.7%)	49	2.9%	2.3%	62	4.2%	3.4%	77	-	-	-
TIPS	(0.5%)	(0.5%)	(0)	1.2%	1.2%	7	1.7%	1.7%	0	1.3%	1.4%	(9)	-	-	-
REITs	0.9%	0.9%	5	5.3%	4.6%	76	4.9%	4.1%	81	6.1%	5.4%	75	-	-	-
Commodities	(3.5%)	(3.5%)	6	20.3%	20.0%	36	(0.6%)	(0.6%)	0	(10.9%)	(10.9%)	3	-	-	-
Liquidity	0.2%	0.2%	6	3.8%	1.4%	234	2.0%	0.7%	128	1.3%	0.5%	80	-	-	-
Total CERBT 2	1.0%	1.0%	(1)	5.6%	5.2%	35	5.6%	5.2%	42	5.8%	5.4%	40	-	-	-

5-Yr Realized Volatility:

5.7%

5-Yr Realized Tracking Error:

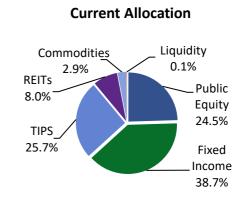
0.2%

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

CERBT Strategy 3 Fund (CERBT 3) & Legislators' Retirement System Fund (LRF) As of July 31, 2018

Asset Allocation, Performance & Realized Risk Summary - CERBT 3

Asset Allocation	EMV (mil)	Current Allocation (%)	Policy Weight (%) ¹	Variance (%)	Policy Range
Public Equity	\$ 100.8	24.5%	24%	0.5%	± 2%
Fixed Income	\$ 159.2	38.7%	39%	(0.3%)	± 2%
TIPS	\$ 105.8	25.7%	26%	(0.3%)	± 2%
REITs	\$ 33.0	8.0%	8%	0.0%	± 2%
Commodities	\$ 11.8	2.9%	3%	(0.1%)	± 2%
Liquidity	\$ 0.6	0.1%	0%	0.1%	+2%
Total CERBT 3	\$ 411.2	100.0%	100.0%	0.0%	



		FYTD			1-Yr			3-Yr			5-Yr			10-Yr	
Performance Summary	Net Return	BM Return	Excess Bps												
Public Equity	2.8%	2.8%	2	11.5%	11.2%	31	9.5%	9.1%	37	9.5%	9.1%	36	-	-	-
Fixed Income	(0.1%)	(0.1%)	(0)	(0.2%)	(0.7%)	50	2.8%	2.3%	58	4.1%	3.4%	73	-	-	-
TIPS	(0.5%)	(0.5%)	(0)	1.3%	1.2%	8	1.7%	1.7%	0	1.4%	1.4%	(5)	-	-	-
REITs	0.9%	0.9%	6	5.4%	4.6%	76	4.8%	4.1%	72	6.1%	5.4%	73	-	-	-
Commodities	(3.5%)	(3.5%)	6	20.3%	20.0%	37	(0.4%)	(0.6%)	15	(10.8%)	(10.9%)	16	-	-	-
Liquidity	0.2%	0.2%	3	3.6%	1.4%	213	1.7%	0.7%	98	1.1%	0.5%	70	-	-	-
Total CERBT 3	0.5%	0.5%	(1)	3.9%	3.6%	26	4.3%	4.0%	34	4.8%	4.4%	43	-	-	-

5-Yr Realized Volatility:

4.7%

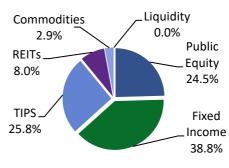
5-Yr Realized Tracking Error:

0.3%

Asset Allocation, Performance & Realized Risk Summary - LRF

Asset Allocation	EMV (mil)	Current Allocation (%)	Policy Weight (%) ¹	Variance (%)	Policy Range
Public Equity	\$ 28.0	24.5%	24%	0.5%	± 5%
Fixed Income	\$ 44.2	38.8%	39%	(0.2%)	± 5%
TIPS	\$ 29.3	25.8%	26%	(0.2%)	± 3%
REITs	\$ 9.2	8.0%	8%	0.0%	± 5%
Commodities	\$ 3.3	2.9%	3%	(0.1%)	± 3%
Liquidity	\$ 0.0	0.0%	0%	0.0%	+2%
Total LRF	\$ 114.0	100.0%	100.0%	0.0%	

Current Allocation



	FYTD			1-Yr			3-Yr			5-Yr				10-Yr	
Performance Summary	Net Return	BM Return	Excess Bps												
Public Equity	2.8%	2.8%	2	11.9%	11.9%	4	9.8%	9.6%	16	9.8%	9.7%	11	7.4%	7.3%	7
Fixed Income	(0.1%)	(0.1%)	0	(0.2%)	(0.7%)	50	2.9%	2.3%	61	4.2%	3.4%	77	6.1%	5.3%	84
TIPS	(0.5%)	(0.5%)	0	1.2%	1.2%	7	1.7%	1.7%	1	1.4%	1.4%	(6)	3.1%	3.0%	7
REITs	0.9%	0.9%	3	5.6%	5.6%	(1)	5.8%	5.8%	2	6.8%	6.8%	3	-	-	-
Commodities	(3.6%)	(3.5%)	(6)	20.1%	20.0%	17	(0.2%)	(0.6%)	41	(10.8%)	(10.9%)	16	-	-	-
Liquidity	0.2%	0.2%	2	9.3%	1.4%	788	3.6%	0.7%	283	2.2%	0.5%	170	1.3%	0.4%	90
Total LRF	0.5%	0.5%	0	4.0%	3.9%	15	4.4%	4.2%	22	4.9%	4.6%	30	6.0%	5.6%	37

5-Yr Realized Volatility:

4.6%

5-Yr Realized Tracking Error:

0.3%

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

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

Asset Allocation, Performance & Realized Risk Summary - JRF

Asset Allocation	EMV (mil)	Current Allocation (%)	Policy V (%)	Veight Variance (%)	Policy Range
Cash	\$ 38.8	100.0%	100%	0.0%	± 0%
Total JRF	\$ 38.8	100.0%	100%	0.0%	

Current Allocation



		FYTD			1-Yr		3-Yr 5-Yr						10-Yr			
Performance Summary	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps		BM Return	Excess Bps	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps	
Cash	0.2%	0.2%	2	1.6%	1.4%	14	0.9%	0.7%	18	0.6%	0.5%	12	0.5%	0.4%	11	
Total JRF	0.2%	0.2%	2	1.6%	1.4%	14	0.9%	0.7%	18	0.6%	0.5%	12	0.5%	0.4%	11	

5-Yr Realized Volatility:

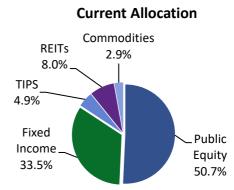
0.2%

5-Yr Realized Tracking Error:

0.0%

Asset Allocation, Performance Realized Risk Summary - JRF II

Asset Allocation ¹	EMV (mil)	Current Allocation (%)	Policy Weight (%) ²	Variance (%)	Policy Range
Public Equity	\$ 782.3	50.7%	50%	0.7%	± 5%
Fixed Income	\$ 517.2	33.5%	34%	(0.5%)	± 5%
TIPS	\$ 75.8	4.9%	5%	(0.1%)	± 3%
REITs	\$ 122.9	8.0%	8%	(0.0%)	± 5%
Commodities	\$ 44.1	2.9%	3%	(0.1%)	± 3%
Total JRF II	\$ 1,542.3	100.0%	100.0%	0.0%	



	FYTD				1-Yr		3-Yr			5-Yr			10-Yr		
Performance Summary ¹	Net Return	BM Return	Excess Bps												
Public Equity	2.8%	2.8%	1	11.9%	11.9%	3	9.8%	9.6%	13	9.8%	9.7%	10	7.2%	7.1%	6
Fixed Income	(0.1%)	(0.1%)	0	(0.2%)	(0.7%)	49	2.9%	2.3%	62	4.2%	3.4%	77	6.1%	5.3%	84
TIPS	(0.5%)	(0.5%)	0	1.2%	1.2%	7	1.7%	1.7%	1	1.4%	1.4%	(7)	-	-	-
REITs	0.9%	0.9%	4	5.6%	5.6%	(0)	5.8%	5.8%	1	6.8%	6.8%	3	4.4%	4.3%	18
Commodities	(3.5%)	(3.5%)	4	20.3%	20.0%	30	(0.2%)	(0.6%)	44	(10.7%)	(10.9%)	19	-	-	-
Total JRF II	1.3%	1.3%	1	6.9%	6.8%	14	6.5%	6.3%	24	6.8%	6.6%	24	6.6%	6.5%	10

5-Yr Realized Volatility:

6.5%

5-Yr Realized Tracking Error:

0.2%

¹ Liquidity is used for operational purposes. Frequent variation in the allocation of these assets makes calculated performance non-meaningful and the return impact on fund performance is negligible.

 $^{^{\}rm 2}$ Allocations approved by the Board at the October 2014 IC Meeting

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

Asset Allocation, Performance & Realized Risk Summary - HCF

Asset Allocation	EMV (mil)	Current Allocation (%)	Policy Weight (%)	Variance (%)	Policy Range
Fixed Income	\$ 443.4	100.0%	100%	0.0%	± 0%
Total HCF	\$ 443.4	100.0%	100%	0.0%	

Current Allocation



		FYTD			1-Yr			3-Yr			5-Yr			10-Yr	
Performance Summary	Net Return	BM Return	Excess Bps												
Fixed Income	0.0%	0.0%	(0)	(0.7%)	(0.8%)	7	1.5%	1.5%	3	2.5%	2.2%	26	4.1%	3.7%	39
Total HCF	0.0%	0.0%	(0)	(0.7%)	(0.8%)	7	1.5%	1.5%	3	2.5%	2.2%	26	4.1%	3.7%	39

5-Yr Realized Volatility:

2.7%

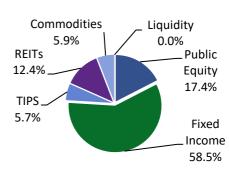
5-Yr Realized Tracking Error:

0.3%

Asset Allocation, Performance & Realized Risk Summary - LTCF

Asset Allocation	EMV (mil)	Current Allocation (%)	Policy Weight (%) ²	Variance (%)	Policy Range
Public Equity	\$ 789.2	17.4%	15%	2.4%	± 4%
Fixed Income	\$ 2,648.1	58.5%	61%	(2.5%)	± 5%
TIPS	\$ 258.2	5.7%	6%	(0.3%)	± 2%
REITs	\$ 563.2	12.4%	12%	0.4%	± 4%
Commodities	\$ 265.9	5.9%	6%	(0.1%)	± 2%
Liquidity	\$ 0.1	0.0%	0%	0.0%	+2%
Total LTCF	\$ 4,524.6	100.0%	100.0%	0.0%	





	FYTD			1-Yr			3-Yr			5-Yr				10-Yr	
Performance Summary	Net Return	BM Return	Excess Bps												
Public Equity	2.8%	2.8%	2	11.5%	11.2%	30	9.5%	9.1%	34	9.5%	9.1%	31	7.1%	7.0%	15
Fixed Income	(0.1%)	(0.1%)	(2)	(0.7%)	(0.7%)	1	2.3%	2.3%	(1)	3.4%	3.4%	2	5.7%	5.3%	38
TIPS	(0.5%)	(0.5%)	(0)	1.2%	1.2%	(2)	1.7%	1.7%	(1)	1.4%	1.4%	(0)	3.1%	3.0%	8
REITs	0.9%	0.9%	3	5.3%	4.6%	73	4.9%	4.1%	78	6.1%	5.4%	73	4.0%	3.5%	52
Commodities	(3.5%)	(3.5%)	(0)	19.7%	20.0%	(27)	(0.6%)	(0.6%)	(5)	(11.0%)	(10.9%)	(4)	-	-	-
Liquidity	0.2%	0.2%	2	2.4%	1.4%	93	3.1%	0.7%	238	1.8%	0.5%	134	1.1%	0.4%	72
Total LTCF	0.3%	0.2%	5	3.1%	3.0%	14	3.6%	3.5%	12	3.9%	3.7%	20	4.6%	4.4%	19

5-Yr Realized Volatility:

4.6%

5-Yr Realized Tracking Error:

0.2%

¹ Allocations approved by the Board at the April 2016 IC Meeting

 $^{^{\}rm 2}$ Allocations approved by the Board at the June 2015 IC Meeting

Supplemental Income Plan (SIP) As of July 31, 2018

Asset Allocation - SIP

		U.	U.S. Equities		Int'l Equities			USI	Fixed Inco	ome	R	eal Asse	ts		h and Ca Juivalent	
	EMV			Policy			Policy			Policy			Policy			Policy
Asset Allocation	(mil)	Actual	Policy	Range	Actual	Policy	Range	Actual	Policy	Range	Actual	Policy	Range	Actual	Policy	Range
Target Income Fund	\$ 106.0	9.2%	9.0%	+/-2%	11.2%	11.0%	+/-2%	49.8%	50.0%	+/-4%	0.0%	0.0%	-	29.9%	30.0%	+/-4%
Target 2015 Fund	\$ 94.6	9.2%	9.0%	+/-2%	11.2%	11.0%	+/-2%	49.8%	50.0%	+/-4%	0.0%	0.0%	-	29.9%	30.0%	+/-4%
Target 2020 Fund	\$ 166.6	11.2%	11.0%	+/-2%	13.2%	13.0%	+/-2%	47.8%	48.0%	+/-4%	0.0%	0.0%	-	27.8%	28.0%	+/-4%
Target 2025 Fund	\$ 165.9	18.2%	18.0%	+/-2%	20.2%	20.0%	+/-4%	37.7%	38.0%	+/-4%	2.0%	2.0%	+/-1%	21.8%	22.0%	+/-4%
Target 2030 Fund	\$ 140.0	22.3%	22.0%	+/-4%	26.2%	26.0%	+/-4%	30.7%	31.0%	+/-4%	4.0%	4.0%	+/-1%	16.8%	17.0%	+/-2%
Target 2035 Fund	\$ 79.7	27.3%	27.0%	+/-4%	32.2%	32.0%	+/-4%	23.7%	24.0%	+/-4%	6.0%	6.0%	+/-1%	10.9%	11.0%	+/-1%
Target 2040 Fund	\$ 70.0	32.3%	32.0%	+/-4%	37.2%	37.0%	+/-4%	16.7%	17.0%	+/-2%	7.9%	8.0%	+/-1%	5.9%	6.0%	+/-1%
Target 2045 Fund	\$ 33.3	37.2%	37.0%	+/-4%	43.1%	43.0%	+/-4%	9.8%	10.0%	+/-2%	9.9%	10.0%	+/-1%	0.0%	0.0%	-
Target 2050 Fund	\$ 15.5	37.3%	37.0%	+/-4%	43.1%	43.0%	+/-4%	9.8%	10.0%	+/-2%	9.9%	10.0%	+/-1%	0.0%	0.0%	-
Target 2055 Fund	\$ 7.8	37.3%	37.0%	+/-4%	43.1%	43.0%	+/-4%	9.8%	10.0%	+/-2%	9.9%	10.0%	+/-1%	0.0%	0.0%	-
SSgA STIF	\$ 103.8	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	\$ 34.0	0.0%	0.0%	-	0.0%	0.0%	-	100.0%	100.0%	-	0.0%	0.0%	-	0.0%	0.0%	-
SIP US Bond Core	\$ 55.4	0.0%	0.0%	-	0.0%	0.0%	-	100.0%	100.0%	-	0.0%	0.0%	-	0.0%	0.0%	-
SIP Real Asset Core	\$ 6.6	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	\$ 565.4	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	\$ 72.6	0.0%	0.0%	-	100.0%	100.0%	-	0.0%	0.0%	-	0.0%	0.0%	-	0.0%	0.0%	-

Performance Summary - SIP

		FYTD			1-Yr			3-Yr			5-Yr			10-Yr	
Performance Summary	Net Return	BM Return	Excess Bps												
Target Income Fund	0.6%	0.6%	1	2.2%	2.2%	4	2.9%	2.8%	10	3.2%	3.1%	11	-	-	
Target 2015 Fund	0.6%	0.6%	1	2.2%	2.2%	5	2.9%	2.8%	10	3.3%	3.2%	9	-	-	-
Target 2020 Fund	0.7%	0.7%	1	2.7%	2.6%	3	3.2%	3.1%	10	3.8%	3.7%	10	-	-	-
Target 2025 Fund	1.1%	1.1%	(1)	4.3%	4.3%	2	4.5%	4.4%	10	4.8%	4.7%	11	-	-	-
Target 2030 Fund	1.3%	1.3%	0	5.5%	5.4%	3	5.3%	5.2%	11	5.6%	5.5%	10	-	-	-
Target 2035 Fund	1.6%	1.6%	0	6.7%	6.7%	4	6.3%	6.2%	11	6.4%	6.3%	10	-	-	-
Target 2040 Fund	1.9%	1.9%	0	8.0%	7.9%	6	7.2%	7.1%	12	7.1%	7.0%	13	-	-	-
Target 2045 Fund	2.1%	2.1%	1	9.2%	9.1%	8	8.1%	7.9%	14	7.7%	7.6%	13	-	-	-
Target 2050 Fund	2.1%	2.1%	1	9.3%	9.1%	13	8.1%	7.9%	14	7.7%	7.6%	13	-	-	-
Target 2055 Fund	2.1%	2.1%	1	9.3%	9.1%	12	8.1%	7.9%	17	-	-	-	-	-	-
SSgA STIF	0.2%	0.2%	2	1.6%	1.4%	13	0.9%	0.7%	17	0.6%	0.5%	11	-	-	-
SIP US ST Bond Core	0.1%	0.1%	(0)	-0.1%	0.0%	(12)	0.6%	0.7%	(12)	-	-	-	-	-	-
SIP US Bond Core	0.0%	0.0%	1	-0.8%	-0.8%	1	1.5%	1.5%	1	-	-	-	-	-	-
SIP Real Asset Core	-0.2%	-0.2%	2	5.3%	5.5%	(16)	4.5%	4.6%	(9)	-	-	-	-	-	-
SIP Russell All Cap Core	3.3%	3.3%	2	16.4%	16.4%	4	12.2%	12.2%	5	-	-	-	-	-	-
SIP GIbl All Cap EX-US	2.2%	2.1%	4	6.4%	6.2%	25	6.6%	6.4%	24	-	-	-	-	-	-

Supplemental Income Plan (SIP) As of July 31, 2018

Realized Risk - SIP

Realized Risk	5-Yr Realized	Annualized 5-Yr Realized Tracking Error
Target Income Fund	2.5%	0.2%
Target 2015 Fund	2.7%	0.2%
Target 2020 Fund	3.5%	0.2%
Target 2025 Fund	4.7%	0.3%
Target 2030 Fund	5.8%	0.3%
Target 2035 Fund	6.9%	0.4%
Target 2040 Fund	8.0%	0.5%
Target 2045 Fund	8.6%	0.5%
Target 2050 Fund	8.6%	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 July 31, 2018

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

Trust	Asset Class Benchmark	Policy Benchmark			
Public Employees Retirement Fund	Growth Benchmark	Public Equity 86.2%: CalPERS Custom Global Equity Benchmark			
		Private Equity 13.8%: CalPERS Custom FTSE All World, All Cap Equity, +150 bps, 1 Qtr Lag			
	Income Benchmark	CalPERS Custom Global Fixed Income Benchmark			
	Real Assets Benchmark	MSCI Investment Property Databank US Core - Fund Level			
	Inflation Benchmark	Custom Inflation Assets Benchmark			
	Liquidity Benchmark	30-Day Treasury Bill			
Judge's Retirement System Fund	Cash	91-day Treasury Bill			
Judge's Retirement System II Fund	Global 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)			
Legislators' Retirement System Fund	Global 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)			
Public Employees' Health Care Fund	U.S. Fixed Income	Bloomberg Barclays U.S. Aggregate Bond Index			
Long-Term Care Fund	Global 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	Global 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)			

CalPERS Trust Level

Trust Level Benchmarks As of July 31, 2018

Supplemental Income Plan Policy Benchmarks

Policy Weights							
	US Equities	In'l Equities	US Income	Real Assets	Cash & Cash Equivalents		
Supplemental Income Plan	Russell 3000	MSCI ACWI ex US	Bloomberg Barclays US Ag Bond	SSGA Real Asset	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%		