

INVESTMENT ADVISORY SERVICES

Los Angeles • New York

Alternative Investment Performance Merced County Employees' Retirement Association

June 2020

MCERA Private Equity Capital Budget & Implementation Plan

15% fund level target

- Annual capital budget target of \$40 million, range of \$30-\$50 million
- Target 4-7 investments, range of \$5-\$15 million per inv; average size of \$8 million per

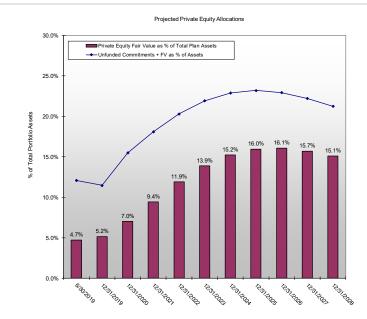
Performance comparisons:

- Long term investment objective: Earn a return premium over public equity (Russell 3000 + 3%)
- Recommended primary asset class benchmark: Cambridge Associates Global Private Equity & VC Index
- Recommended fund benchmarks: Each fund will be compared to the Cambridge Associates strategy universe for the respective vintage years and each vintage year will be compared to Cambridge Associates Global Private Equity & VC Index

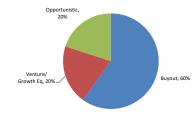
MCERA CY 2020 commitments:

- Summit Ventures V venture capital (VY 2020), \$5 mm
- Silver Point Specialty Credit II corporate lending (VY 2019), \$8 mm
- Thoma Bravo Discover III software buyouts (VY 2020), \$8 mm
- Marlin Heritage Europe II European mid-mkt buyout (VY 2020), \$8 mm

assumptions patterned after historical category averages. Total fund growth of 5.5%.



Target Strategy Diversification



_	Target	Ranges
Buyout	60%	40-80%
Venture/Growth Eq	20%	10-30%
Opportunistic	20%	10-30%
	100%	=







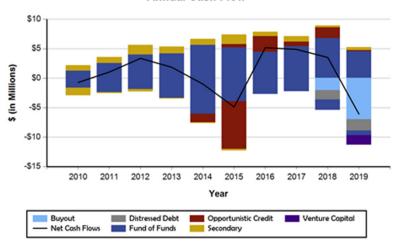
MCERA Private Equity Investment Structure & Portfolio Assessment

Investment structure (15% fund target; 5.1% invested as of Dec 2019):

- Current portfolio is barbelled with half of commitments in 2007 & earlier FoFs and half in 2011 & later FoFs
 - Overall portfolio has not met performance expectations; 2011 & later portfolio is still in development with the funds in VY 2017-2019 in their investment period
 - Modest quarterly performance improvement due to VY 2011 funds; contributions exceed distributions by \$6 million over the past year as the newer portfolios are being built out and FoFs are returning capital
 - Portfolio is diversified by strategy but overall it is in a negative cash flow situation

Annual Summary									
(in thousands)									
	Total	Total	(A)	(B)	(C) Fair	(B+C) Total	(B+C-A)		
	Partnerships	Commitments	Contributions	Distributions	Value	Value	Gain/ Loss	Net IRR	Benchmark
December 31, 2018	25	\$99,016	\$64,600	\$56,471	\$37,562	\$94,034	\$29,434	8.41%	10.74%
December 31, 2019	31	\$140,937	\$75,915	\$61,712	\$47,255	\$108,967	\$33,052	8.46%	11.45%
Annual Change	6	\$41,921	\$11,315	\$5,241	\$9,693	\$14,933	\$3,618		

Annual Cash Flow



Note: Net cash flow is the for the respective calendar year.

MCERA Private Equity Performance – as of Dec 31, 2019

		(A) Commit.	Unfund.	(B) Cumulat.		(C) Cumulat.	(D) Fair	(C+D) Total	(C+D-B)		IRR	
Partnership Name (\$000)	Strategy	Amount	Amount	Cont.	% Drawn	Dist.	Value	Value	Gain/ Loss	Net IRR	Bench.	TVPI
Vintage Year 2004												
Invesco Partnership Fund IV, L.P.	Fund of Funds	10,000	2,417	7,898	76%	16,195	63	16,258	8,360	11.76%	7.04%	2.0
Vintage Year 2004 Total		10,000	2,417	7,898	76%	16,195	63	16,258	8,360	11.76%	7.75%	2.0
Vintage Year 2005												
ASP 2005 Non-US Fund	Fund of Funds	1,500	74	1,426	95%	1,670	287	1,957	531	4.85%	5.44%	1.3
ASP 2005 US Fund	Fund of Funds	3,500	177	3,323	95%	4,457	733	5,191	1,867	6.96%	7.29%	1.5
Pantheon Ventures Euro Fund IV	Fund of Funds	1,122	48	1,283	96%	1,584	84	1,668	385	4.63%	5.44%	1.3
Pantheon Ventures USA Fund VI	Fund of Funds	3,750	206	3,544	95%	4,867	538	5,405	1,861	6.59%	7.29%	1.5
Vintage Year 2005 Total		9,872	505	9,576	95%	12,579	1,641	14,221	4,644	6.24%	7.40%	1.4
Vintage Year 2006												
Pantheon Global Secondary Fund III "B"	Secondary	10,000	540	9,460	95%	9,860	721	10,581	1,121	2.02%	N/A	1.1
Vintage Year 2006 Total		10,000	540	9,460	95%	9,860	721	10,581	1,121	2.02%	7.25%	1.1
Vintage Year 2007												
ASP 2007 Direct Fund	Fund of Funds	450	12	438	97%	771	292	1,062	624	12.27%	10.97%	2.4
ASP 2007 Non-US Fund	Fund of Funds	1,575	78	1,497	95%	1,663	678	2,342	845	7.79%	7.30%	1.5
ASP 2007 US Fund	Fund of Funds	2,475	115	2,360	95%	3,328	1,086	4,414	2,054	11.84%	10.97%	1.8
Vintage Year 2007 Total		4,500	205	4,295	95%	5,762	2,056	7,818	3,523	10.62%	8.95%	1.8
Vintage Year 2011												
ASP 2011 Direct Fund	Fund of Funds	500	43	457	91%	492	406	899	442	15.75%	13.95%	1.9
ASP 2011 Emerging Markets Fund	Fund of Funds	500	64	436	87%	166	637	804	368	13.43%	11.40%	1.8
ASP 2011 Non-US Developed Fund	Fund of Funds	1,500	322	1,178	79%	929	1,058	1,987	808	13.22%	11.40%	1.6
ASP 2011 US Fund	Fund of Funds	2,500	326	2,175	87%	1,542	2,268	3,810	1,635	14.32%	13.95%	1.7
Pantheon Asia Fund VI	Fund of Funds	1,000	129	872	87%	392	983	1,375	502	10.52%	11.40%	1.5
Pantheon Euro Fund VII	Fund of Funds	1,565	225	1,478	86%	1,011	1,284	2,294	817	10.37%	11.40%	1.5
Pantheon Ventures USA Fund IX	Fund of Funds	2,000	212	1,788	89%	1,350	1,782	3,132	1,344	13.50%	13.95%	1.7
Vintage Year 2011 Total		9,565	1,322	8,384	86%	5,881	8,419	14,300	5,917	12.94%	12.74%	1.7
Vintage Year 2013												
Invesco Partnership Fund VI, L.P.	Fund of Funds	5,000	1,548	3,958	69%	1,182	6,587	7,768	3,810	16.37%	11.54%	1.9
Vintage Year 2013 Total		5.000	1,548	3.958	69%	1.182	6.587	7.768	3.810	16.37%	12.58%	1.9

Note:. The benchmark represents the Cambridge Associates LLC median for the respective strategy and vintage year. At the vintage year level, the Cambridge Associates LLC Global Private Equity & VC ® median is used for the respective vintage year.



MCERA Private Equity Performance – as of Dec 31, 2019

		(A) Commit.	Unfund.	(B) Cumulat.	2/ 5	(C) Cumulat.	(D) Fair	(C+D) Total	(C+D-B)		IRR	
Partnership Name (\$000)	Strategy	Amount	Amount	Cont.	% Drawn	Dist.	Value	Value	Gain/ Loss	Net IRR	Bench.	TVPI
Vintage Year 2014	e .d.fe .d.	40.000	4 200	0.700	070/	4 4 4 7	0.044	44.050	F 250	4.4.700/	/.	
Ocean Avenue Fund II	Fund of Funds	10,000	1,300	8,700	87%	4,147	9,911	,	5,358	14.78%	N/A	1.0
Raven Asset-Based Opportunity Fund II	Opportunistic Credit	10,000	474	9,526	95%	6,017	3,172		-337	-1.19%	8.03%	0.9
Vintage Year 2014 Total		20,000	1,774	18,226	91%	10,164	13,083	23,247	5,021	7.60%	14.78%	1.
Vintage Year 2017 GTCR XII	Dungut	5,000	2 440	1 551	31%	90	1 620	1,728	178	NI/NA	N/M	1.
Vintage Year 2017 Total	Buyout	5,000	3,449 3,449	1,551 1.551	31%	90	1,638 1,638		178	N/M N/M	N/M	1.
Vintage Year 2018		5,000	3,449	1,551	31%	90	1,036	1,728	1/8	IN/ IVI	IN/IVI	1.
Carrick Capital Partners III, L.P.	Puncout	5,000	3,773	1,227	25%	0	1,346	1,346	118	N/M	N/M	1.
Carrick Capital Partners III, L.P. Cressey & Company Fund VI LP	Buyout	,	,	•		0	,	,	91	•		1
Davidson Kempner Long-Term Distressed Oppor	Buyout	5,000 5.000	3,900 1,550	1,100 3,450	22% 69%	0	1,191 3,894	•	444	N/M N/M	N/M N/M	1
Vintage Year 2018 Total	tuili Distressed Debt	15,000	9,223	5,777	39%	0	6,431		654	N/M	N/M	1
Vintage Year 2019		13,000	3,223	3,777	3970	0	0,431	0,431	034	14/141	14/141	
Accel-KKR Growth Capital Partners III	Buyout	5,000	4,372	628	13%	0	547	547	-82	N/M	N/M	0.
Cortec Group Fund VII, L.P.	Buyout	10,000	7,109	2,891	29%	0	2,864		-27	N/M	N/M	0
Genstar Capital Partners IX, L.P.	Buyout	7,000	5,378	•	23%	0	1,665	•	43	N/M	N/M	1
Summit Partners Growth Equity Fund X-A, L.P.	Buyout	8,000	8,000	0	0%	0	-23	,	-23	N/M	N/M	0
TCV X, L.P.	Venture Capital	5,000	3,351	1,649	33%	0	1,562		-87	N/M	N/M	0.
Vintage Year 2019 Total	venture capital	35,000	28,210	6,790	19%	0	6,615		-175	N/M	N/M	N
Vintage Year 2020		22,222		2,122			5,525	•		,	,	
Accel-KKR Capital Partners VI, LP	Buyout	8,000	8,000	0	0%	0	0	0	0	N/M	N/M	١
Spark Capital Growth Fund III, L.P.	Venture Capital	6,000	6,000	0	0%	0	0	0	0		N/M	N
Spark Capital VI, L.P.	Venture Capital	3,000	3,000	0	0%	0	0	0	0	N/M	N/M	N
Vintage Year 2020 Total	·	17,000	17,000	0	0%	0	0	0	0	N/M	N/M	N
Total Portfolio:		140,937	66,194	75,915	53%	61,713	47,255	108,967	33,052	8.46%	11.45%	1.
Portfolio Strategy Totals												
Buyout		53,000	43,981	9,019	17%	90	9,227	9,317	298	N/M		1
Distressed Debt		5,000	1,550	3,450	69%	0	3,894	•	444	N/M		1
Fund of Funds		40,175	6,357	34,641	84%	38,330	23,667	61,997	27,356	11.18%		1
Non-US		8,762	940	8,170	89%	7,415	5,011		4,256	7.77%		1
Opportunistic Credit		10,000	474	9,526	95%	6,017	3,172	9,189	-337	-1.19%		0
Secondary		10,000	540	9,460	95%	9,860	721	10,581	1,121	2.02%		1
Venture Capital		14,000	12,351	•	12%	0	1,562		-87	N/M		1
Total Portfolio:		140,937	66,194	75,915	53%	61,713	47,255	108,967	33,052	8.46%	11.45%	1

Note:. The benchmark represents the Cambridge Associates LLC median for the respective strategy and vintage year. At the vintage year level, the Cambridge Associates LLC Global Private Equity & VC ® median is used for the respective vintage year.



MCERA Real Estate Capital Budget & Implementation Plan

8% fund level target

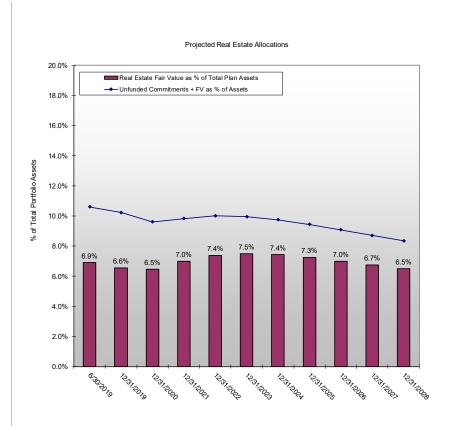
- Annual capital budget target of \$15 million, range of \$10-\$25 million
- Target 2-4 investments, range of \$4-\$7 million per inv
 - Average investment size of \$5 million
 - If an average of 2-4 GP partnership commitments per year, expect a total of 8-16 GP relationships over a 4 year fund raising cycle
- Retain core real estate exposure but lower it to 25% of the portfolio due to current valuations; use REITS as a substitute until funding private real estate investments is needed

Performance comparisons:

- Long term investment objective: Earn a return premium over inflation (CPI-U + 5%)
- Recommended primary asset class benchmark: NCREIF NFI-ODCE; revisit over time as the structure of the portfolio changes
- Recommended fund benchmarks: Cambridge Associates strategy universe for the respective vintage years and each vintage year will be compared to Cambridge Associates Global Real Estate Index

MCERA CY 2020 commitments (\$7 mm):

- Cerberus Real Estate Debt - RE debt (VY 2020)





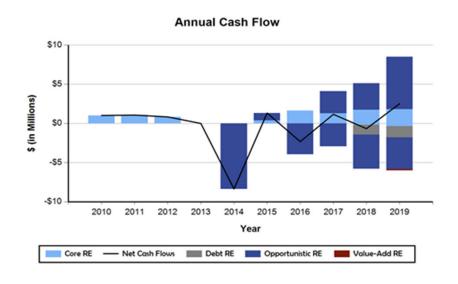


MCERA Real Estate Investment Structure & Portfolio Assessment

Real estate investment structure (8% target, 6.5% actual as of Dec 2019)

- MCERA invested in 1999 in a private core real estate fund
- Distributions exceed contributions by \$4 million over the past year as overall RE activity has declined

Annual Summary									
(in thousands)									
	Total	Total	(A)	(B)	(C) Fair	(B+C) Total	(B+C-A)		
	Partnerships	Commitments	Contributions	Distributions	Value	Value	Gain/ Loss	Net IRR	Benchmark
December 31, 2018	8	\$63,742	\$37,201	\$27,770	\$63,336	\$91,106	\$53,905	9.33%	8.55%
December 31, 2019	8	\$68,352	\$43,193	\$36,283	\$61,673	\$97,956	\$54,764	8.99%	8.85%
Annual Change	0	\$4,610	\$5,992	\$8,513	-\$1,663	\$6,850	\$859		



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MCERA Real Estate Performance – as of Dec 31, 2019

Real Estate Portfolio

- MCERA began investing in the UBS Trumbull core real estate fund in 1999 and this represents the bulk of the real
 estate portfolio
 - Opportunistic funds began being added in 2014 and they are in the early stages of development
 - Valuation had modest quarterly gains
- Overall performance has met objectives, driven by the core RE fund; opportunistic fund performance is not meaningful

		/A) C:	Unfund.	(B) C		(C)	(D) F-:-	(C:D) T-+-I	(C+D-D)		IDD	
Partnership Name (\$000)	Strategy	(A) Commit. Amount	Ontuna. Amount	(B) Cumulat. Cont.	% Drawn	Cumulat. Dist.	(D) Fair Value	(C+D) Total Value	(C+D-B) Gain/ Loss	Net IRR	IRR Bench.	TVPI
Vintage Year 1999	Strategy	Amount	Amount	Cont.	/0 Diawii	Dist.	value	value	Gaill/ Loss	Net IKK	bench.	IVFI
UBS Trumbull Property Fund	Core RE	17,000	0	17,547	100%	23,269	40.603	63,872	46,324	8.77%	10.20%	3.64
Vintage Year 1999 Total		17,000	0		100%	23,269	40,603	63,872	46,324	8.77%	12.95%	3.64
Vintage Year 2014		•		·		•	·	•	•			
Greenfield Acquisition Partners VII, L.P.	Opportunistic RE	13,000	1,876	12,662	86%	10,171	9,442	19,613	6,952	13.56%	12.25%	1.55
Vintage Year 2014 Total		13,000	1,876	12,662	86%	10,171	9,442	19,613	6,952	13.56%	11.82%	1.55
Vintage Year 2016												
Patron Capital Fund V	Opportunistic RE	13,352	5,425	8,125	59%	2,829	6,675	9,504	1,379	10.64%	11.67%	1.17
Vintage Year 2016 Total		13,352	5,425	8,125	59%	2,829	6,675	9,504	1,379	10.64%	11.50%	1.17
Vintage Year 2017												
Carlyle Realty Partners VIII, L.P.	Opportunistic RE	5,000	4,036	978	19%	14	930	944	-34	-3.97%	7.41%	0.97
Vintage Year 2017 Total		5,000	4,036	978	19%	14	930	944	-34	-3.97%	11.51%	0.97
Vintage Year 2018												
Taconic CRE Dislocation Fund II	Debt RE	5,000	2,350	2,665	53%	0	2,954	2,954	288	N/M	N/M	1.11
AG Realty Value Fund X, L.P.	Opportunistic RE	5,000	3,950	1,037	21%	0	992	992	-45	N/M	N/M	0.96
Vintage Year 2018 Total		10,000	6,300	3,702	37%	0	3,945	3,945	243	N/M	N/M	1.07
Vintage Year 2019												
Rockpoint Real Estate Fund VI, L.P.	Opportunistic RE	5,000	5,000	0	0%	0	-22	-22	-22	N/M	N/M	0.00
Carmel Partners Investment Fund VII, L.	P Value-Add RE	5,000	4,820	180	4%	0	101	101	-79	N/M	N/M	0.56
Vintage Year 2019 Total		10,000	9,820	180	2%	0	79	79	-101	N/M	N/M	0.44
Total Portfolio:		68,352	27,458	43,193	60%	36,283	61,673	97,956	54,763	8.99%	8.85%	2.27



MCERA Real Asset Capital Budget & Implementation Plan

5% fund level target

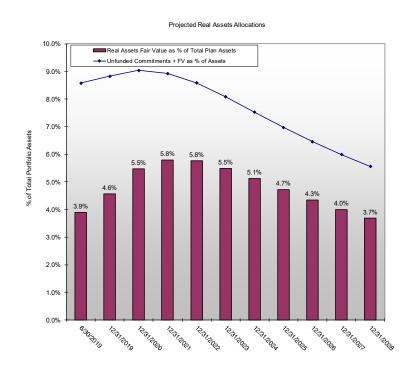
- Annual capital budget target of \$10 million, range of \$5-\$15 million
- Target 2-4 investments, range of \$3-\$7 million per inv
 - Average investment size of \$5 million
 - If an average of 2-4 GP partnership commitments per year, expect a total of 8-16 GP relationships over a 4 year fund raising cycle
- Portfolio targeted to be equally split between infrastructure and energy/natural resource funds

Performance comparisons:

- Long term investment objective: Earn a return premium over inflation (CPI-U + 5%)
- Recommended primary asset class benchmark: 50/50
 Cambridge Global Infrastructure/Cambridge Energy
 Upstream & Royalties and Private Energy Index
- Recommended fund benchmarks: Each fund will be compared to the Cambridge Associates strategy universe for the respective vintage years and each vintage year will be compared to the 50/50 index

MCERA CY 2020 commitments (\$5 mm):

None





MCERA Real Assets Investment Structure & Portfolio Assessment

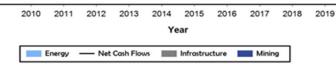
Real assets investment structure (5% target, 6.2% actual as of Dec 2019)

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- Program is designed to be equally divided between private infrastructure and natural resource funds along with a public real asset component
- Private fund commitments began in 2014 to infrastructure and 2015 to natural resources
- The overall portfolio is immature with the funds in the early stage of development
 - Contributions exceed distributions by \$4 mm as the newer funds are being built out

Annual Summary									
(in thousands)									
	Total	Total	(A)	(B)	(C) Fair	(B+C) Total	(B+C-A)		
	Partnerships	Commitments	Contributions	Distributions	Value	Value	Gain/ Loss	Net IRR	Benchmark
December 31, 2018	12	\$65,500	\$31,972	\$5,360	\$31,249	\$36,608	\$4,636	11.11%	-0.71%
December 31, 2019	12	\$70,426	\$43,180	\$12,222	\$39,640	\$51,862	\$8,683	11.67%	1.78%
Annual Change	0	\$4,926	\$11,208	\$6,862	\$8,391	\$15,254	\$4,047		

Annual Cash Flow



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MCERA Real Assets Performance – as of Dec 31, 2019

Real Asset Portfolio

- MCERA began allocating to real assets in 2014 via direct fund commitments
- Portfolio is in its early stages of development so performance is not meaningful; the infrastructure funds had valuation improvements for the quarter; the VY 2017-19 funds are being built out

		(A) Commit.	Unfund.	(B) Cumulat.		(C) Cumulat.	(D) Fair	(C+D) Total	(C+D-B)		IRR	
Partnership Name (\$000)	Strategy	Amount	Amount	Cont.	% Drawn	Dist.	Value	Value	Gain/ Loss	Net IRR	Bench.	TVPI
Vintage Year 2014												
KKR Global Infrastructure II	Infrastructure	10,000	552	10,685	94%	2,182	11,440	13,622	2,937	10.97%	13.82%	1.27
Vintage Year 2014 Total		10,000	552	10,685	94%	2,182	11,440	13,622	2,937	10.97%		1.27
Vintage Year 2015												
GSO Energy Select Opportunities Fund	Energy	7,500	3,788	4,168	49%	1,592	3,636	5,228	1,060	10.26%	8.22%	1.25
North Haven Infrastructure Partners II LP	Infrastructure	10,000	1,521	10,969	85%	4,596	9,106	13,702	2,733	12.60%	N/A	1.25
Taurus Mining Finance Fund	Mining	5,000	903	4,974	82%	2,026	3,991	6,017	1,043	14.70%	N/A	1.21
Vintage Year 2015 Total		22,500	6,211	20,111	72%	8,214	16,734	24,947	4,836	12.39%		1.24
Vintage Year 2016												
Taurus Mining Finance Annex Fund	Mining	5,000	1,409	4,197	72%	1,318	3,704	5,022	824	23.59%	N/A	1.20
Vintage Year 2016 Total		5,000	1,409	4,197	72%	1,318	3,704	5,022	824	23.59%		1.20
Vintage Year 2017												
EnCap Energy Capital Fund XI, L.P.	Energy	5,000	3,522	1,478	30%	0	1,176	1,176	-301	-24.61%	7.15%	0.80
ISQ Global Infrastructure Fund II	Infrastructure	5,000	2,982	2,387	40%	371	2,286	2,657	269	N/M	N/M	1.11
Vintage Year 2017 Total		10,000	6,505	3,865	35%	371	3,462	3,833	-32	-1.08%		0.99
Vintage Year 2018												
Ardian Infrastructure Fund V	Infrastructure	4,926	4,699	216	5%	0	186	186	-30	N/M	N/M	N/A
EnCap Flatrock Midstream IV, L.P.	Energy	3,000	2,027	1,051	32%	78	1,132	1,211	160	N/M	N/M	1.15
KKR Global Infrastructure Investors III	Infrastructure	5,000	3,557	1,464	29%	21	1,397	1,418	-46	N/M	N/M	N/A
Vintage Year 2018 Total		12,926	10,284	2,730	20%	99	2,715	2,814	84	N/M		1.03
Vintage Year 2019												
Global Energy & Power Infrastructure Fund	IIII Energy	5,000	4,157	842	17%	39	875	914	72	N/M	N/M	1.09
Tailwater Energy Fund IV, LP	Energy	5,000	4,251	749	15%	0	710	710	-39	N/M	N/M	0.95
Vintage Year 2019 Total		10,000	8,408	1,591	16%	39	1,586	1,625	33	N/M		1.02
Total Portfolio:		70,426	33,369	43,180	53%	12,222	39,640	51,862	8,683	11.67%	1.78%	1.20



MCERA Hedge Fund Performance – as of Apr 30, 2020

Eurod	Market Value	Actual %	Anr	OTD	VTD	Returns 1 Year	3 Year	5 Year	Incon	Std Dev	Sharpe Ratio	Incep
Fund Market Neutral	Market value	Actual %	Apr	QTD	YTD	1 Year	5 Year	5 rear	Incep	Sta Dev	Katio	Date
KLS Diversified Fund LP	7,163,695	8.2%	-5.14%	-5.14%	-21.20%	-22.25%			-8.05%	11.85%	-0.82	Oct-17
Laurion Capital, Ltd.	10,564,778	12.1%	3.74%	3.74%	20.08%	20.03%			14.56%	8.31%	1.41	Jul-18
Market Neutral - HF Total	17,728,473	20.2%	-0.04%	-0.04%	-4.87%	-5.69%			0.56%	5.73%	-0.24	Oct-17
HFRI Relative Value (Total) Index	17,720,473	20.270	3.17%	3.17%	-6.42%	-3.93%			0.45%	6.59%	-0.22	Oct-17
Til Ni Nelative Value (Total) ilidex			3.17/0	3.17/0	-0.42/0	-3.3370			0.4370	0.5570	-0.22	OCt-17
Credit/Distressed												
Silver Point Capital Fund, L.P.	11,446,510	13.1%	0.05%	0.05%	-7.27%	-8.16%	-	-	-1.76%	7.79%	-0.46	Dec-17
Credit/Distressed - HF Total	11,446,510	13.1%	0.05%	0.05%	-7.27%	-8.16%	-	-	-1.76%	7.79%	-0.46	Dec-17
HFRI ED: Distressed/Restructuring Index			3.36%	3.36%	-8.84%	-10.17%	-	-	-2.75%	8.53%	-0.53	Dec-17
Event Driven												
Taconic Opportunity Fund L.P.	11,619,532	13.3%	1.41%	1.41%	-7.80%	-6.38%	-	-	-2.70%	7.88%	-0.57	Dec-18
Event Driven - HF Total	11,619,532	13.3%	1.41%	1.41%	-7.80%	-6.38%	-	-	-2.70%	7.88%	-0.57	Dec-18
HFRI Event-Driven (Total) Index			6.44%	6.44%	-9.32%	-7.52%	-	-	-3.41%	12.95%	-0.36	Dec-18
Equity Long/Short												
Archipelago Partners, L.P.	11,647,893	13.3%	3.64%	3.64%	-6.59%	-1.35%	-	-	2.67%	8.61%	0.11	Sep-17
Marshall Wace Funds LP - MW Eureka (US) Fund	3,270,913	3.7%	2.32%	2.32%	-3.66%	4.07%	-	-	3.64%	6.31%	0.26	Dec-17
Marshall Wace Funds LP - MW Global Opportunities (US) Fu	9,000,000	10.3%	-	-	-	-	-	-		-	-	Apr-20
Equity Long/Short - HF Total	23,918,806	27.3%	3.21%	3.21%	-6.08%	-0.34%	-	-	3.07%	7.71%	0.16	Sep-17
HFRI Equity Hedge (Total) Index			6.78%	6.78%	-8.08%	-4.44%	-	-	0.64%	10.53%	-0.08	Sep-17
Global Macro-Discretionary												
Graham Absolute Return Trading Ltd.	6,600,849	7.5%	2.31%	2.31%	-13.28%	-11.55%	_	_	-2.11%	10.14%	-0.36	Sep-17
Global Macro-Discretionary - HF Total	6,600,849	7.5%	2.31%	2.31%	-13.28%	-11.55%	-		-2.11%	10.14%	-0.36	Sep-17
HFRI Macro (Total) Index	2,300,000	110,1	1.27%	1.27%	-0.10%	2.94%	-	-	1.34%	4.66%	-0.14	Sep-17
Global Macro-Systematic												
Winton Fund Limited	5,458,078	6.2%	0.41%	0.41%	-12.44%	-11.18%	-	-	-3.34%	9.03%	-0.57	Nov-17
Global Macro-Systematic - HF Total	5,458,078	6.2%	0.41%	0.41%	-12.44%	-11.18%	-	-	-3.34%	9.03%	-0.57	Nov-17
HFRI Macro (Total) Index			1.27%	1.27%	-0.10%	2.94%	-	-	0.99%	4.62%	-0.22	Nov-17
Multi-Strategy												
Sculptor Domestic Partners II, L.P.	10,787,500	12.3%	5.41%	5.41%	-0.83%	3.05%	6.82%	5.18%	5.82%	7.02%	0.66	Jul-14
Multi-Strategy - HF Total	10,787,500	12.3%	5.41%	5.41%	-0.83%	3.05%	6.82%	5.18%	5.82%	7.02%	0.66	Jul-14
HFRI Relative Value (Total) Index			3.17%	3.17%	-6.42%	-3.93%	0.88%	1.88%	1.98%	4.83%	0.16	Jul-14
MCERA Hedge Fund Portfolio	87,559,749	100.0%	1.77%	1.77%	-6.84%	-5.04%	2.57%	1.55%	2.44%	5.43%	0.23	Jul-14
Benchmarks												
HFRI Fund of Funds Composite Index			2.67%	2.67%	-5.96%	-3.43%	0.81%	0.57%	1.16%	4.85%	0.00	Jul-14
Market Indices												
Libor3Month			0.05%	0.05%	0.43%	1.86%	2.00%	1.47%	1.30%	0.24%	-	Jul-14
Bloomberg Barclays US Aggregate Bond Index			1.78%	1.78%	4.98%	10.85%	5.18%	3.81%	3.82%	3.14%	0.80	Jul-14
Bloomberg Barclays US High Yield Bond Index			4.51%	4.51%	-8.75%	-4.12%	1.86%	3.44%	3.08%	7.38%	0.27	Jul-14
S&P 500 TR			12.82%	12.82%	-9.29%	0.86%	9.05%	9.13%	9.23%	14.05%	0.61	Jul-14
MSCI AC World Index Free - Net			10.71%	10.71%	-12.94%	-4.96%	4.46%	4.37%	4.30%	13.76%	0.28	Jul-14
MSCI EAFE - Net			6.46%	6.46%	-17.84%	-11.34%	-0.58%	-0.17%	-0.30%	13.79%	-0.05	Jul-14
MSCI EMF (Emerging Markets Free) - Net			9.16%	9.16%	-16.60%	-12.00%	0.57%	-0.10%	0.17%	17.20%	0.02	Jul-14

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