

INVESTMENT ADVISORY SERVICES

Los Angeles • New York

Alternative Investment Performance Merced County Employees' Retirement Association

April 22, 2021

MCERA Private Equity Capital Budget & Implementation Plan

15% fund level target

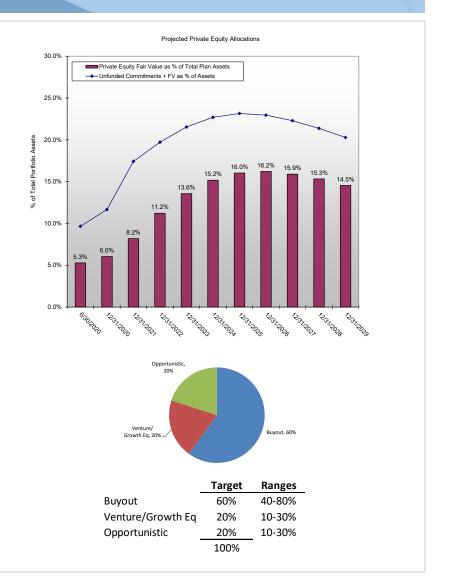
- Annual capital budget target of \$40 million, range of \$30-\$50 million
- Target 4-7 investments, range of \$5-\$15 million per inv; average size of \$8 million per

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 (VY 2020), \$6 mm
- Silver Point Sp Credit II corporate debt (VY 2019), \$8 mm
- Thoma Bravo Discover III tech buyout (VY 2020), \$8 mm
- Marlin Heritage Europe II European control buyout (VY 2020), €7 mm
- Taconic Mkt Dislocation II- distressed (VY 2020), \$8 mm
- Khosla VI & Seed D venture (VY 2021), \$8 mm
- GTCR XIII buyout (VY 2021), \$8 mm
- TCV XI venture (VY 2021), \$8 mm



Note: MCERA's existing private equity portfolio was modeled using vintage year drawdown/return of capital assumptions patterned after historical category averages. Total fund growth of 5.5%.



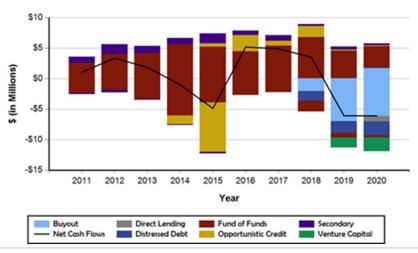
MCERA Private Equity Investment Structure & Portfolio Assessment

Investment structure (15% fund target; 5.8% invested as of Dec 2020):

- 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 2017-2020 in their investment period
 - Continued rebound in 3Q valuations offsetting the 1Q20 markdowns and there were annual gains of \$8 million; contributions exceed distributions by \$9 million as the newer portfolios are being built
 - 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
September 30, 2019	30	\$130,864	\$71,521	\$60,399	\$43,569	\$103,967	\$32,447	8.51%	11.32%
September 30, 2020	36	\$179,269	\$87,792	\$67,499	\$60,629	\$128,128	\$40,336	9.05%	11.79%
Annual Change	6	\$48.405	\$16.271	\$7,100	\$17.060	\$24.161	\$7.889		_

Annual Cash Flow



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

MCERA Private Equity Performance – as of Sep 30, 2020

		(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	40	16,235	8,337	11.75%	7.00%	2.06
Vintage Year 2004 Total		10,000	2,417	7,898	76%	16,195	40	16,235	8,337	11.75%	7.66%	2.0
Vintage Year 2005												
ASP 2005 Non-US Fund	Fund of Funds	1,500	74	1,426	95%	1,670	272	1,942	516	4.69%	4.10%	1.36
ASP 2005 US Fund	Fund of Funds	3,500	177	3,323	95%	4,588	645	5,234	1,910	6.98%	8.17%	1.57
Pantheon Ventures Euro Fund IV	Fund of Funds	1,173	50	1,283	96%	1,584	78	1,663	379	4.56%	4.10%	1.30
Pantheon Ventures USA Fund VI	Fund of Funds	3,750	206	3,544	95%	5,104	279	5,383	1,839	6.51%	8.17%	1.52
Vintage Year 2005 Total		9,923	507	9,576	95%	12,946	1,275	14,221	4,645	6.19%	7.91%	1.4
Vintage Year 2006												
Pantheon Global Secondary Fund III "B"	Secondary	10,000	540	9,460	95%	10,200	380	10,580	1,120	2.00%	N/A	1.12
Vintage Year 2006 Total	·	10,000	540	9,460	95%	10,200	380	10,580	1,120	2.00%	7.00%	1.1
Vintage Year 2007												
ASP 2007 Direct Fund	Fund of Funds	450	12	438	97%	863	212	1,076	637	12.18%	11.15%	2.45
ASP 2007 Non-US Fund	Fund of Funds	1,575	78	1,497	95%	1,734	675	2,409	912	7.96%	7.81%	1.61
ASP 2007 US Fund	Fund of Funds	2,475	115	2,360	95%	3,525	1,015	4,540	2,180	11.95%	11.15%	1.92
Vintage Year 2007 Total		4,500	205	4,295	95%	6,123	1,902	8,025	3,730	10.72%	8.89%	1.8
Vintage Year 2011												
ASP 2011 Direct Fund	Fund of Funds	500	37	463	93%	524	396	920	457	15.16%	18.27%	1.99
ASP 2011 Emerging Markets Fund	Fund of Funds	500	64	436	87%	222	679	901	465	14.21%	11.36%	2.07
ASP 2011 Non-US Developed Fund	Fund of Funds	1,500	322	1,178	79%	1,045	1,072	2,117	938	13.54%	11.36%	1.80
ASP 2011 US Fund	Fund of Funds	2,500	326	2,175	87%	1,987	2,300	4,286	2,112	15.60%	18.27%	1.97
Pantheon Asia Fund VI	Fund of Funds	1,000	95	906	91%	468	992	1,460	554	10.20%	11.36%	1.61
Pantheon Euro Fund VII	Fund of Funds	1,636	218	1,493	87%	1,185	1,297	2,482	990	11.01%	11.36%	1.66
Pantheon Ventures USA Fund IX	Fund of Funds	2,000	212	1,788	89%	1,582	2,034	3,616	1,828	15.30%	18.27%	2.02
Vintage Year 2011 Total		9,636	1,274	8,438	87%	7,012	8,769	15,781	7,343	13.81%	14.30%	1.8
Vintage Year 2013												
Invesco Partnership Fund VI, L.P.	Fund of Funds	5,000	1,548	3,958	69%	1,633	7,580	9,213	5,254	17.94%	19.55%	2.33
Vintage Year 2013 Total		5,000	1,548		69%	1,633	7,580	9,213	5,254	17.94%	13.08%	2.3
Vintage Year 2014			•									
Ocean Avenue Fund II	Fund of Funds	10,000	1,000	9,000	90%	5,347	10,058	15,405	6,405	14.88%	19.40%	1.71
Raven Asset-Based Opportunity Fund II	Opportunistic Credit	10,000	474	9,526	95%	6,159	2,621	8,780	-746	-2.52%	6.69%	0.92
Vintage Year 2014 Total	• •	20.000	1.474	18.526	93%	11,506	12,679	24.185	5.659	7.54%	17.93%	1.3

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 Sep 30, 2020

		(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 2017												
GTCR XII	Buyout	5,000	2,045		59%	116	3,855		1,016	29.21%	17.67%	1.3
Vintage Year 2017 Total		5,000	2,045	2,955	59%	116	3,855	3,971	1,016	29.21%	16.72%	1.
Vintage Year 2018												
Carrick Capital Partners III, L.P.	Buyout	5,000	3,190	,	36%	0	2,045	,	235	9.04%	6.97%	1.1
Cressey & Company Fund VI LP	Buyout	5,000	3,450	,	31%	0	1,987	,	437	N/M	N/M	1.2
Davidson Kempner Long-Term Distressed Opport	uni Distressed Debt	5,000	785		84%	85	4,657	4,742	442	6.50%	N/A	1.1
Vintage Year 2018 Total		15,000	7,425	7,660	50%	85	8,689	8,774	1,114	9.86%	9.50%	1.
Vintage Year 2019												
Accel-KKR Growth Capital Partners III	Buyout	5,000	3,726		25%	0	1,251		-23	N/M	N/M	0.9
Cortec Group Fund VII, L.P.	Buyout	10,000	7,335	,	27%	1,543	3,085	4,627	422	N/M	N/M	1.1
Genstar Capital Partners IX, L.P.	Buyout	7,000	4,467	,	36%	137	3,100	,	567	N/M	N/M	1.2
Summit Partners Growth Equity Fund X-A, L.P.	Buyout	8,000	7,291	709	9%	0	990		282	N/M	N/M	1.4
TCV X, L.P.	Venture Capital	5,000	2,196	2,805	56%	0	3,686	3,686	881	N/M	N/M	1.3
Vintage Year 2019 Total		35,000	25,014	11,663	29%	1,680	12,112	13,792	2,128	N/M	N/M	1.
Vintage Year 2020												
Accel-KKR Capital Partners VI, LP	Buyout	8,000	8,000	0	0%	0	0	0	0	N/M	N/M	0.0
Marlin Heritage Europe II, L.P.	Buyout	8,210	8,210	0	0%	0	0	0	0	N/M	N/M	0.0
Thoma Bravo Discover Fund III, L.P.	Buyout	8,000	8,000	0	0%	0	0	0	0	N/M	N/M	0.0
Silver Point Specialty Credit Fund II, L.P.	Direct Lending	8,000	7,176	842	10%	3	948	951	109	N/M	N/M	1.1
Taconic Market Dislocation Fund III L.P.	Distressed Debt	8,000	6,560	1,440	18%	0	1,440	1,440	0	N/M	N/M	1.0
Spark Capital Growth Fund III, L.P.	Venture Capital	6,000	5,190	810	14%	0	731	731	-79	N/M	N/M	0.9
Spark Capital VI, L.P.	Venture Capital	3,000	2,730	270	9%	0	229	229	-41	N/M	N/M	0.8
Summit Partners Venture Capital Fund V-A, L.P.	Venture Capital	6,000	6,000	0	0%	0	0	0	0	N/M	N/M	0.0
Vintage Year 2020 Total	·	55,210	51,866	3,362	6%	3	3,349	3,352	-10	N/M	N/M	1.
Total Portfolio:		179,269	94,316	87,792	47%	67,499	60,629	128,128	40,336	9.05%	11.79%	1.
Portfolio Strategy Totals												
Buyout		61,000	47,503	15,174	22%	1,796	16,313	18,109	2,935	22.62%		
Direct Lending		8,000	7,176	842	10%	3	948	951	109	11.75%		
Distressed Debt		13,000	7,345	5,740	43%	85	6,097	6,182	442	6.30%		
Fund of Funds		40,175	6,051	34,947	85%	41,348	24,559	65,906	30,960	11.52%		
Non-US		17,094	9,111	8,219	47%	7,908	5,065	12,973	4,754	8.02%		
Opportunistic Credit		10,000	474	9,526	95%	6,159	2,621	8,780	-746	-2.52%		
Secondary		10,000	540	9,460	95%	10,200	380	10,580	1,120	2.00%		
Venture Capital		20,000	16,116	3,885	19%	0	4,646	4,646	762	N/M		
Total Portfolio:		179,269	94,316	87,792	47%	67,499	60,629	128,128	40,336	9.05%	11.79%	

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

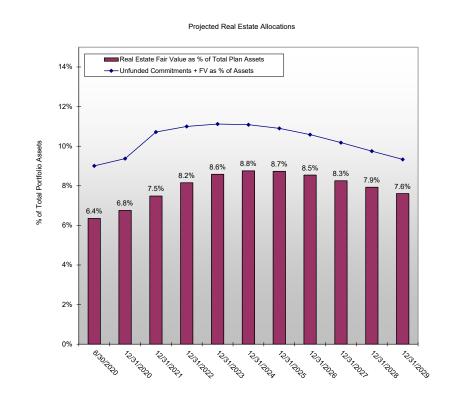
- Annual capital budget target of \$15 million, range of \$10-\$25 million
- Target 2-4 investments, range of \$5-\$10 million per inv
 - Average investment size of \$7 million
 - If an average of 2-4 GP partnership commitments per year, expect a total of 8-16 GP relationships over a 4 year fund raising 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:

- Cerberus RE Debt commercial RE debt (VY 2020), \$7
 mm
- Starwood Fund XII opportunistic RE (VY 2020), \$8 mm







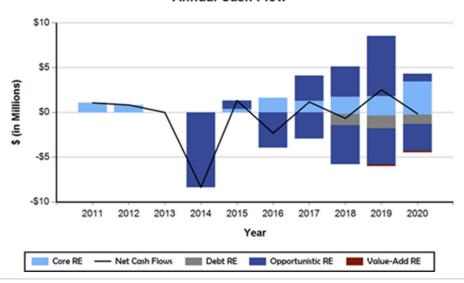
MCERA Real Estate Investment Structure & Portfolio Assessment

Real estate investment structure (8% target, 6.1% actual as of Dec 2020)

- MCERA invested in 1999 in a private core real estate fund; direct program began in 2014
- Contributions exceed distributions by \$2 million over the past year as overall RE activity has declined and valuations remain muted

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
September 30, 2019	8	\$67,990	\$40,366	\$35,664	\$58,343	\$94,007	\$53,641	9.00%	8.88%
September 30, 2020	10	\$83,957	\$47,676	\$40,625	\$60,544	\$101,169	\$53,493	8.63%	8.56%
Annual Change	2	\$15,967	\$7,310	\$4,961	\$2,201	\$7,162	-\$148		

Annual Cash Flow



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

MCERA Real Estate Performance – as of Sep 30, 2020

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 with the VY 2016 fund now out of its "j-curve"
- Overall performance has met objectives, driven by the core RE fund; opportunistic fund performance is not meaningful

		(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 1999												
UBS Trumbull Property Fund	Core RE	17,000	0	17,794	100%	26,732	36,335	63,066	45,273	8.50%	10.20%	3.54
Vintage Year 1999 Total		17,000	0	17,794	100%	26,732	36,335	63,066	45,273	8.50%	12.95%	3.54
Vintage Year 2014												
Greenfield Acquisition Partners VII, L.P.	Opportunistic RE	13,000	1,876	12,662	86%	10,341	9,043	19,384	6,722	12.05%	11.07%	1.53
Vintage Year 2014 Total		13,000	1,876	12,662	86%	10,341	9,043	19,384	6,722	12.05%	10.38%	1.53
Vintage Year 2016												
Patron Capital Fund V	Opportunistic RE	13,957	4,614	9,105	67%	3,312	6,742	10,054	949	5.60%	9.65%	1.11
Vintage Year 2016 Total		13,957	4,614	9,105	67%	3,312	6,742	10,054	949	5.60%	10.15%	1.11
Vintage Year 2017												
Carlyle Realty Partners VIII, L.P.	Opportunistic RE	5,000	3,442	1,791	31%	227	1,696	1,923	132	6.90%	6.35%	1.07
Vintage Year 2017 Total		5,000	3,442	1,791	31%	227	1,696	1,923	132	6.90%	7.98%	1.07
Vintage Year 2018												
Taconic CRE Dislocation Fund II	Debt RE	5,000	1,950	3,122	61%	0	3,548	3,548	426	N/M	N/M	1.14
AG Realty Value Fund X, L.P.	Opportunistic RE	5,000	3,513	1,487	30%	13	1,494	1,507	20	N/M	N/M	1.01
Vintage Year 2018 Total		10,000	5,463	4,609	45%	13	5,042	5,055	446	N/M	N/M	1.10
Vintage Year 2019												
Rockpoint Real Estate Fund VI, L.P.	Opportunistic RE	5,000	4,235	764	15%	0	736	736	-28	N/M	N/M	0.96
Carmel Partners Investment Fund VII, L.	P Value-Add RE	5,000	4,624	376	8%	0	234	234	-142	N/M	N/M	0.62
Vintage Year 2019 Total		10,000	8,859	1,140	11%	0	970	970	-170	N/M	N/M	0.85
Vintage Year 2020												
Cerberus Real Estate Debt Fund, L.P.	Debt RE	7,000	6,429	576	8%	0	717	717	141	N/M	N/M	1.24
Starwood Distressed Opportunity Fund	X Opportunistic RE	8,000	8,000	0	0%	0	0	0	0	N/M	N/M	0.00
Vintage Year 2020 Total		15,000	14,429	576	4%	0	717	717	141	N/M	N/M	1.24
Total Portfolio:		92.057	20 602	47.676	F40/	40.635	60 544	101 160	F2 402	9.639/	9 FC9/	2 12
Total Portfolio:		83,957	38,682	47,676	54%	40,625	60,544	101,169	53,493	8.63%	8.56%	2.12

Note: The benchmark at the total portfolio level is NCREIF NFI-ODCE. Private real estate benchmark at the fund level is the Cambridge Value Add or Opportunistic RE Indices while the Cambridge Global Real Estate Index at the vintage year level.



MCERA Real Asset Capital Budget & Implementation Plan

5% fund level target

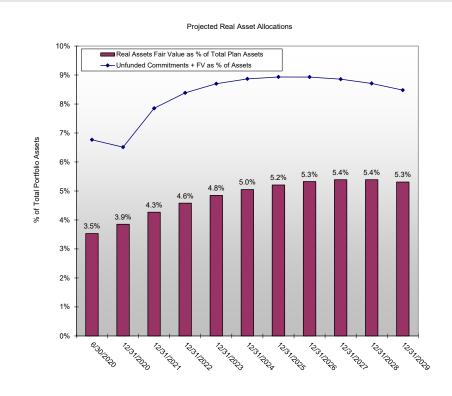
- Annual capital budget target of \$15 million, range of \$10-\$25 million
- Target 2-4 investments, range of \$5-\$10 million per inv
 - Average investment size of \$7 million
 - If an average of 2-4 GP partnership commitments per year, expect a total of 8-16 GP relationships over a 4 year fund raising 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):

iSquared III - global infrastructure (VY 2020)



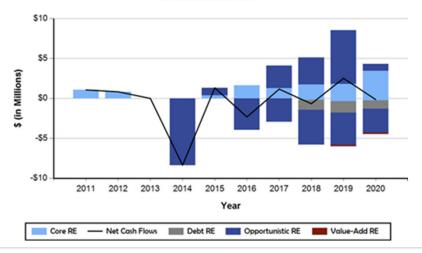
MCERA Real Assets Investment Structure & Portfolio Assessment

Real assets investment structure (5% target, 4.1% actual as of Dec 2020)

- 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
 - Distributions exceed contributions by \$5 mm as the infrastructure funds continue to return capital

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
September 30, 2019	12	\$69,890	\$39,367	\$10,731	\$36,436	\$47,167	\$7,800	11.91%	0.59%
September 30, 2020	12	\$70,649	\$47,202	\$24,005	\$33,057	\$57,062	\$9,860	9.99%	-3.30%
Annual Change	0	\$759	\$7,835	\$13,274	-\$3,379	\$9,895	\$2,060		

Annual Cash Flow



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

MCERA Real Assets Performance – as of Sep 30, 2020

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 gains in infrastructure funds offset the losses in the energy funds; the VY 2017-19 funds are being built out

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Partnership Name (\$000)	Strategy	(A) Commit. Amount	Unfund. Amount	(B) Cumulat. Cont.	% Drawn	(C) Cumulat. Dist.	(D) Fair Value	(C+D) Total Value	(C+D-B) Gain/ Loss	Net IRR	IRR Bench.	TVPI
Vintage Year 2014	Strategy	Amount	Amount	conti	70 Brawn	5150	Value	Value	Guilly 2000	rece mut	Denem.	
KKR Global Infrastructure II	Infrastructure	10,000	528	3 10,837	95%	8,572	7,815	16,387	5,550	15.59%	5.85%	1.51
Vintage Year 2014 Total		10,000	528	-,	95%	8,572	7,815		5,550	15.59%		1.51
Vintage Year 2015				-,			,		-,			
GSO Energy Select Opportunities Fund	Energy	7,500	3,486	4,470	54%	1,715	3,108	4,823	354	2.97%	1.80%	1.08
North Haven Infrastructure Partners II LP	Infrastructure	10,000	1,333	11,245	87%	6,547	7,180	13,727	2,483	9.49%	8.11%	1.22
Taurus Mining Finance Fund	Mining	5,000	665	5,212	87%	3,397	2,454	5,851	640	7.53%	N/A	1.12
Vintage Year 2015 Total	-	22,500	5,484	20,926	76%	11,659	12,743	24,402	3,476	7.48%		1.17
Vintage Year 2016												
Taurus Mining Finance Annex Fund	Mining	5,000	1,118	3 4,488	78%	2,951	2,689	5,639	1,151	21.19%	N/A	1.26
Vintage Year 2016 Total		5,000	1,118	3 4,488	78%	2,951	2,689	5,639	1,151	21.19%		1.26
Vintage Year 2017												
EnCap Energy Capital Fund XI, L.P.	Energy	5,000	3,418	3 1,582	32%	0	915	915	-667	-31.95%	-4.39%	0.58
ISQ Global Infrastructure Fund II	Infrastructure	5,000	2,002	3,368	60%	371	3,506	3,877	509	13.26%	N/A	1.15
Vintage Year 2017 Total		10,000	5,420	4,950	46%	371	4,421	4,792	-158	-2.60%		0.97
Vintage Year 2018												
EnCap Flatrock Midstream IV, L.P.	Energy	3,000	1,953	3 1,125	35%	78	1,140	1,219	94	4.70%	-0.01%	1.08
Ardian Infrastructure Fund V	Infrastructure	5,149	4,490	659	13%	20	575	595	-64	N/M	N/M	N/A
KKR Global Infrastructure Investors III	Infrastructure	5,000	3,124	2,098	38%	130	2,007	2,136	39	1.91%	N/A	N/A
Vintage Year 2018 Total		13,149	9,567	7 3,881	27%	228	3,722	3,950	69	1.53%		1.02
Vintage Year 2019												
Global Energy & Power Infrastructure Fund	III Energy	5,000	3,918	,	22%	224	1,051	,	90	N/M	N/M	1.08
Tailwater Energy Fund IV, LP	Energy	5,000	4,063	936	19%	0	617	617	-318	N/M	N/M	0.66
Vintage Year 2019 Total		10,000	7,981	2,120	20%	224	1,668	1,892	-228	N/M		0.89
					,							
Total Portfolio:		70,649	30,099	47,202	57%	24,005	33,057	57,062	9,860	9.99%	-3.30%	1.21
Portfolio Strategy Totals												
Energy		20,500	12,920	8,111	37%	1,794	5,780	7,574	-537	-3.35%		0.93
Infrastructure		25,000	4,986	24,180	80%	15,248	17,003	32,251	8,071	12.67%		1.33
Non-US		25,149	12,193	14,911	52%	6,963	10,274	17,237	2,326	11.98%		1.16
Total Portfolio:		70,649	30,099	47,202	57%	24,005	33,057	57,062	9,860	9.99%	-3.30%	1.21



MCERA Hedge Fund Performance – as of Mar 31, 2021

						Returns					Sharpe	Incep
Fund	Market Value	Actual %	Mar	QTD	YTD	1 Year	3 Year	5 Year	Incep	Std Dev	Ratio	Date
Market Neutral												
KLS Diversified Fund LP	8,644,168	8.7%	-0.25%	3.47%	3.47%	14.46%	-1.35%	-	-0.82%	11.03%	-0.16	Oct-17
Laurion Capital, Ltd.	13,707,848	13.7%	6.34%	17.22%	17.22%	34.60%	-	-	20.36%	11.86%	1.49	Jul-18
Market Neutral - HF Total	22,352,016	22.4%	3.69%	11.49%	11.49%	26.03%	8.12%	-	7.29%	7.52%	0.75	Oct-17
HFRI Relative Value (Total) Index			0.71%	3.90%	3.90%	19.70%	4.58%	-	4.35%	6.54%	0.43	Oct-17
Credit/Distressed												1
Silver Point Capital Fund, L.P.	15,341,956	15.4%	2.30%	9.01%	9.01%	34.10%	7.73%	-	7.79%	8.44%	0.73	Dec-17
Credit/Distressed - HF Total	15,341,956	15.4%	2.30%	9.01%	9.01%	34.10%	7.73%	-	7.79%	8.44%	0.73	Dec-17
HFRI ED: Distressed/Restructuring Index			1.22%	8.76%	8.76%	37.73%	7.07%	-	6.85%	9.16%	0.59	Dec-17
Event Driven		40.00/			. ====				=	=		
Taconic Opportunity Fund L.P.	13,543,968	13.6%	0.80%	4.76%	4.76%	18.20%	-	-	5.03%	7.09%	0.53	Dec-18
Event Driven - HF Total	13,543,968	13.6%	0.80%	4.76%	4.76%	18.20%	-	-	5.03%	7.09%	0.53	Dec-18
HFRI Event-Driven (Total) Index			1.85%	8.21%	8.21%	38.95%	-	-	9.71%	11.58%	0.74	Dec-18
Equity Long/Short												
Archipelago Partners, L.P.	13,504,635	13.5%	0.28%	1.11%	1.11%	20.16%	5.40%	_	6.28%	8.85%	0.55	Sep-17
Marshall Wace Funds LP - MW Eureka (US) Fund	3,904,354	3.9%	-2.00%	1.11%	1.11%	22.14%	7.55%	_	8.23%	6.83%	0.95	Dec-17
Marshall Wace Funds LP - MW Global Opportunities (US) Fu	9,620,712	9.6%	-4.85%	-7.37%	-7.37%	6.90%	7.3370	-	6.90%	12.70%	0.56	Apr-20
Equity Long/Short - HF Total	27,029,702	27.1%	-1.93%	-2.08%	-2.08%	16.64%	4.81%	-	5.83%	8.32%	0.53	Sep-17
HFRI Equity Hedge (Total) Index	27,023,702	27.170	1.12%	7.36%	7.36%	48.17%	10.03%		9.86%	11.25%	0.74	Sep-17
Titil Equity fleuge (fotal) fluex			1.12/0	7.3070	7.3070	40.1770	10.03/0	_	3.00%	11.25/0	0.74	Зер-17
Global Macro-Discretionary												
Graham Absolute Return Trading Ltd.	8,145,113	8.2%	2.28%	6.65%	6.65%	26.25%	4.45%	-	4.37%	9.69%	0.32	Sep-17
Global Macro-Discretionary - HF Total	8,145,113	8.2%	2.28%	6.65%	6.65%	26.25%	4.45%	-	4.37%	9.69%	0.32	Sep-17
HFRI Macro (Total) Index			0.69%	3.83%	3.83%	11.21%	4.34%	-	3.59%	5.10%	0.40	Sep-17
Global Macro-Systematic												
HFRI Macro (Total) Index			0.69%	3.83%	3.83%	11.21%	4.34%	_	3.44%	5.10%	0.37	Nov-17
, ,												
Multi-Strategy												
Sculptor Domestic Partners II, L.P.	13,466,662	13.5%	-0.22%	3.62%	3.62%	31.59%	11.47%	11.47%	8.52%	7.29%	1.00	Jul-14
Multi-Strategy - HF Total	13,466,662	13.5%	-0.22%	3.62%	3.62%	31.59%	11.47%	11.47%	8.52%	7.29%	1.00	Jul-14
HFRI Relative Value (Total) Index			0.71%	3.90%	3.90%	19.70%	4.58%	5.46%	3.81%	5.07%	0.53	Jul-14
MCERA Hedge Fund Portfolio	99,879,417	100.0%	0.88%	4.82%	4.82%	22.11%	5.69%	6.95%	4.90%	5.75%	0.66	Jul-14
Benchmarks												
HFRI Fund of Funds Composite Index			0.42%	2.47%	2.47%	24.56%	5.64%	5.74%	3.88%	5.40%	0.52	Jul-14
Market Indices												
Libor3Month			0.02%	0.05%	0.05%	0.27%	1.60%	1.44%	1.15%	0.25%	_	Jul-14
Bloomberg Barclays US Aggregate Bond Index			0.02% -1.25%	-3.37%	0.05% -3.37%	0.27%	4.66%	3.11%	3.13%	0.25% 3.17%	0.63	Jul-14 Jul-14
			-1.25% 0.15%	-3.37% 0.85%	-3.37% 0.85%	23.72%	6.84%	3.11% 8.06%	5.26%	7.41%	0.63	Jul-14 Jul-14
Bloomberg Barclays US High Yield Bond Index S&P 500 TR			4.38%	0.85% 6.17%	6.17%	56.35%	16.78%	16.30%	13.27%	14.35%	0.86	Jul-14 Jul-14
MSCI AC World Index Free - Net			4.38% 2.67%	4.57%	4.57%	54.60%	12.07%	13.21%	8.97%	14.35%	0.86	Jul-14 Jul-14
MSCI EAFE - Net			2.87%	4.57% 3.48%	4.57% 3.48%	44.57%	6.02%	8.85%	8.97% 4.36%	14.21%	0.80	Jul-14 Jul-14
			-1.51%	3.48% 2.29%	2.29%	58.39%	6.48%	8.85% 12.07%	4.36% 5.82%	17.20%	0.29	Jul-14 Jul-14
MSCI EMF (Emerging Markets Free) - Net			-1.5170	2.2970	2.2970	30.33%	0.4670	12.07%	3.0270	17.20%	0.55	Jui-14



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