Calpers

As of June 30, 2020

Public Equity Ending Market Value & Performance Summary (By Portfolio)

		Ending		10-Yr			5-Yr			3-Yr		1-Yr			
		Market	Net	вм	Excess	Net	вм	Excess	Net	вм	Excess	Net	вм	Excess	
Portfolio ¹	Va	lue (MM)	Return	Return	Bps	Return	Return	Bps	Return	Return	Bps	Return	Return	Bps	
Allianz - Global	\$	1.4	-	-	-	-	-	-	NM	NM	-	NM	NM	-	
Arrowstreet Global	\$	3,273.1	-	-	-	-	-	-	9.2%	6.2%	302	5.5%	1.7%	387	
Baillie Gifford	\$	1,130.9	9.1%	5.5%	361	7.1%	2.8%	424	6.4%	1.7%	474	8.0%	(4.0%)	1,204	
CalPERS Cap Wtd Transition	\$	1.7	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-	
CalPERS Dev Small Cap Index	\$	3,923.9	6.4%	6.0%	39	2.1%	1.6%	41	(0.8%)	(1.2%)	38	(6.4%)	(6.7%)	29	
CalPERS Emerging Market	\$	11,896.7	3.6%	3.5%	14	3.1%	2.9%	19	2.9%	2.8%	14	(2.6%)	(2.7%)	16	
CalPERS Emerging Market Small Cap	\$	1,175.1	-	-	-	2.5%	1.6%	98	0.7%	(0.1%)	88	(2.4%)	(3.0%)	65	
CalPERS External Int'l Transition	\$	0.8	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-	
CalPERS Fundamental Dev Int'l	\$	1.7	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-	
CalPERS GE Cap Wtd US Beta	\$	4,562.1	-	-	-	-	-	-	-	-	-	-	-	-	
CalPERS GE Cap Wtd Beta Rep	\$	13,817.6	-	-	-	-	-	-	-	-	-	13.2%	1.7%	1,152	
CalPERS Global All Cap AXA ESG	\$	0.3	-	-	-	-	-	-	-	-	-	NM	NM	-	
CalPERS GIbl All Cap AXA ESG - BR	\$	0.4	-	-	-	-	-	-	-	-	-	NM	NM	-	
CalPERS Global All Cap Quality	\$	212.0	-	-	-	-	-	-	-	-	-	3.5%	1.7%	181	
CalPERS Glbl All Cap Momentum	\$	218.7	-	-	-	-	-	-	-	-	-	5.8%	1.7%	416	
CalPERS Global All Cap Value	\$	383.3	-	-	-	-	-	-	-	-	-	(7.2%)	1.7%	(885)	
CalPERS Global All Cap Vol Adj	\$	211.6	-	-	-	-	-	-	-	-	-	2.2%	1.7%	50	
CalPERS Glbl Max Diversification	\$	0.1	-	-	-	-	-	-	-	-	-	NM	NM	-	
CalPERS Internal Holding	\$	0.4	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-	
CalPERS Int'l Dev	\$	36,374.2	6.1%	5.9%	12	2.8%	2.7%	10	1.5%	1.4%	8	(4.4%)	(4.4%)	3	
CalPERS QSI	\$	0.3	-	-	-	-	-	-	-	-	-	NM	NM	-	
CalPERS Factor Weighted	\$	57,937.7	-	-	-	-	-	-	-	-	-	(2.6%)	(2.7%)	18	
CalPERS Mom Dev ex US All Cap	\$	0.2	-	-	-	NM	NM	-	NM	NM	-	NM	NM	-	
CalPERS Quality Dev ex US	\$	0.4	-	-	-	-	-	-	NM	NM	-	NM	NM	-	
CalPERS US Enhanced	\$	5,860.7	-	-	-	-	-	-	-	-	-	5.8%	6.4%	(57)	
CalPERS US FTSE 3000	\$	63,768.2	13.7%	13.6%	8	10.0%	10.0%	3	10.2%	10.2%	(2)	6.4%	6.4%	2	
CalPERS Volatility Adj Dev Int'l	\$	1.6	-	-	-	NM	NM	-	NM	NM	-	NM	NM	-	
Epoch Global	\$	2.7	-	-	-	-	-	-	NM	NM	-	NM	NM	-	
Hermes	\$	1.6	-	-	-	-	-	-	NM	NM	-	NM	NM	-	
Lazard	\$	0.3	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-	
Legato	\$	449.8	-	-	-	1.9%	2.7%	(78)	(2.1%)	1.3%	(342)	(11.3%)	(5.6%)	(569)	
Pyramis Global	\$	0.7	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-	
Taiyo Fund (Public)	\$	0.5	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-	
Tobam Ventures	\$	2.6	-	-	-	NM	NM	-	NM	NM	-	NM	NM	-	
Wellington Total Public Equity	\$	1,035.6 206,248.8	-	-	-	-	-	-	6.5%	6.2%	30	1.7%	1.7%	3	

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Calpers

As of June 30, 2020

		Ending	10-Yr	5-Yr	3-Yr	1-Yr
		Varket	Net	Net	Net	Net
Partnership [±]		lue (MM)	Return	Return	Return	Return
AACP AP Investors	\$	0.1	3.7%	2.6%	-11.9%	-57.6%
AACP China Debt Investors	\$	0.1	NM	NM	NM	NM
AACP China Growth	\$	2.1	0.3%	-6.9%	-17.0%	15.3%
AACP India A	\$	0.1	-12.8%	-38.9%	-58.4%	-11.2%
AACP India B	\$	6.9	8.7%	0.1%	3.1%	-21.4%
AACP India C	\$	6.8	12.0%	-8.8%	-25.3%	-16.6%
Aberdare Ventures IV LP	\$	22.7	-	-9.5%	-16.2%	-20.0%
Advent International GPE V D	\$	3.2	_	-0.1%	3.4%	-6.0%
Advent International GPE VI A	\$	59.3	8.4%	0.2%	-12.1%	-28.0%
Advent International GPE VII C LP	\$	255.1	-	7.9%	3.2%	-18.3%
Advent International GPE VIII	\$	493.2	_	-	5.4%	-7.7%
Advent International GPE IX	\$	122.1	_	_	3.470	-
Advent Latin American PEF III	\$	5.4	-1.6%	1.0%	5.8%	-15.1%
Advent Latin American Private	\$	30.7	0.5%	-2.7%	-5.5%	-8.5%
Advent Latin American Private	\$	37.0	-32.2%	-7.8%	-15.3%	-35.2%
Affinity Asia Pacific Fund III	\$	3.0 3.3	-8.9% -	-35.6%	-45.0%	-78.2%
Aisling Capital II				4.3%	28.6%	-22.6%
Aisling Capital III AP Alternative Assets LP	\$	4.5 0.6	NM 8.0%	NM -19.1%	NM -37.0%	-58.5% -45.5%
	\$	6.2				
Apollo Co Investors (MHE), LP			-	-35.0%	-54.6%	-80.2%
Apollo Euro Principal Finance	\$	0.2	11.7%	-1.0%	-8.7%	-10.5%
Apollo Investment Fund IV	\$	0.2	NM	NM	NM	NM
Apollo Investment Fund V	\$	2.2	-21.7%	-44.1%	-2.4%	48.6%
Apollo Investment Fund VI	\$	9.9	7.2%	1.2%	6.2%	24.1%
Apollo Investment Fund VII LP	\$	65.0	6.0%	-12.3%	-20.3%	-41.4%
Apollo Investment Fund VIII	\$	340.1	-	6.9%	3.6%	-5.5%
Apollo Investment Fund IX	\$	121.7	-	-	-	-4.4%
Apollo SVF Mgmt L P	\$	95.8	-1.5%	-9.0%	-8.0%	-18.9%
Arclight Energy Partners Fund IV	\$	0.5	19.4%	20.3%	5.4%	-3.8%
Ares Corporate Opportunity Fund LP	\$	0.3	-25.5%	-42.9%	-66.9%	-94.0%
Ares Corp Opportunity Fund II Ares Corporate Opportunity Fund III	\$ \$	0.3 28.8	0.6% 14.8%	-16.6% 7.8%	-28.8% 3.6%	-53.2% -26.8%
Ares Corp Opportunity Fund V L.P.	\$	331.5	-	-	-2.2%	-2.4%
ASF VIII B L.P.	\$	54.2	_	_	-	-
Asia Alternatives Capital	\$	6.3	2.4%	-9.3%	-18.8%	-22.5%
Asia Alternatives Capital II	\$	32.5	15.7%	6.5%	7.9%	3.7%
Avatar NA Investors LP	\$	0.7	-	-	-0.9%	-9.2%
Avenue Special Situations Fund VI (A) LP	\$	10.6	-	-6.3%	2.7%	-2.6%
Banc of America Cal Comm Baring Vostok Private Equity Fund IV	\$ \$	6.9 14.7	-1.6% 1.0%	-9.8% 0.2%	-9.1% -12.2%	-10.9% -35.6%
BDC III C LP	\$	100.9	-	-	-	-2.8%

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Calpers

As of June 30, 2020

		inding	10-Yr	5-Yr	3-Yr	1-Yr	
		/larket	Net	Net	Net	Net	
Partnership ¹		ue (MM)	Return	Return	Return	Return	
BE VI LP	\$	121.2	-	-	-	-9.8%	
Birch Hill Equity Partners III LP	\$	6.5	14.3%	17.8%	13.5%	33.0%	
Birch Hill Equity Partners IV LP	\$	107.3	-	14.4%	17.1%	0.7%	
Blackstone Capital PRTS VI LP	\$	245.3	_	4.5%	0.0%	-26.1%	
Blackstone Communications I	\$	0.6	4.0%	7.9%	-17.8%	-26.8%	
Blackstone First Eagle	\$	43.6	-	7.570	-7.7%	-42.7%	
Blackstone GST	\$	113.4	-	2.4%	-2.0%	-42.7 <i>%</i> -48.4%	
Blackstone Mgmt Partners IV	\$	4.9	12.1%	11.2%	-2.0% 15.2%	-46.4%	
Blackstone Mgmt Partners V	\$	18.5	7.2%	-3.2%	-8.4%	-24.4%	
Blackstone Tactical	\$	110.1	-	3.270	-	5.0%	
Blackstone Tactical Opportunity	\$	115.0	- -	-	_	-12.3%	
		83.6		0.70/	0.3%	-12.5% -17.7%	
Blackstone Tactical Opportunity Fund	\$		-	-0.7%			
Blackstone Tactical Opportunity LP	\$	213.9	-	1.6%	-2.6%	-26.9%	
Blackstone Tactical Opportunity Fund II	\$	303.3	-	7.9%	4.7%	-10.2%	
Blackstone TOF	\$	51.1	-	3.0%	-5.1%	-22.1%	
Bridgepoint Europe II C LP	\$	0.1	-	-	-4.7%	20.5%	
Bridgepoint Europe III C LP	\$	7.1	-	-	5.6%	-14.3%	
Bridgepoint Europe III D	\$	42.4	4.9%	3.9%	6.9%	-14.3%	
Bridgepoint Europe IV B LP	\$	16.8	-	-	-4.2%	-46.6%	
Bridgepoint Europe IV D	\$	63.9	-	4.9%	-4.2%	-46.6%	
Bridgepoint Europe V LP	\$	375.6	-	-	14.0%	7.5%	
California Asia Investors LP	\$	94.2	24.1%	7.1%	11.0%	28.1%	
California EM Ventures II LLC	\$	27.4	3.1%	-3.0%	-8.8%	-8.9%	
California EM Ventures IV LLC	\$	136.3	12.5%	7.9%	9.3%	14.8%	
California Emerging Ventures III LLC	\$	37.0	6.6%	0.3%	1.3%	-5.5%	
California Mezz Investment Fund LP	\$	31.5	-	-	1.3%	11.4%	
Capital Link Fund I	\$	124.5	9.3%	4.6%	9.7%	31.3%	
Capital Link Fund II	\$	99.6	12.1%	8.5%	8.5%	-11.1%	
Carlyle Asia Growth Partners IV	\$	25.0	-	-11.3%	-20.8%	-34.2%	
Carlyle Asia Partners GP II	\$	1.5	33.5%	55.6%	94.2%	2.6%	
Carlyle Asia Partners III	\$	21.1	8.0%	2.4%	-3.9%	-25.8%	
Carlyle Asia Partners V	\$	37.5	-	-	-	-8.7%	
Carlyle Europe Partners II	\$	0.6	NM	NM	8.1%	-1.9%	
Carlyle Europe Partners III LP	\$	22.7	16.0%	9.1%	8.0%	-37.2%	
Carlyle Europe Partners V	\$	81.9	-	-	-	-17.1%	
Carlyle Europe Tech Partners II	\$	1.5	30.7%	36.6%	24.8%	-3.3%	
Carlyle Global Fin Serv Partners	\$	0.8	48.5%	94.8%	171.9%	241.1%	
Carlyle Havasu Co-Investment LP Carlyle Japan Partners II	\$ \$	72.3 1.2	- -9.9%	- -22.0%	0.0% -42.1%	11.1% -65.1%	
Carlyle Mexico Partners	\$	0.9	-0.9%	5.4%	-10.3%	-14.3%	
Carlyle Partners V	\$	82.8	15.9%	9.5%	8.3%	-4.2%	

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	Ending	10-Yr	5-Yr	3-Yr	1-Yr
	Market	Net	Net	Net	Net
Partnership ¹	lue (MM)	Return	Return	Return	Return
Carlyle Partners VI L.P.	\$ 461.4	-	9.1%	7.1%	-4.7%
Carlyle Partners VII L.P.	\$ 248.0	_	-	-	-5.8%
Carlyle Realty III LP	\$ 0.7	21.6%	24.5%	14.4%	17.6%
Carlyle Strategic Partners II	\$ 3.2	14.9%	16.8%	22.9%	31.6%
Carlyle Strategic Partners IV	\$ 39.7		-	-4.8%	-30.4%
	\$				-10.4%
Carlyle US Equity Opportunity	128.1	-	- 25.00/	-1.9%	
Carlyle Venture Partners II LP	\$ 0.8 1.5	-16.3%	-35.9%	-55.0%	-92.4% 0.6%
Carlyle Venture Partners III	\$ 88.9	12.2% 1.6%	11.1% -4.8%	13.1% -7.8%	-21.7%
Carlyle/River Renew+Alt Energy II					
Carlyle/Riverstone Glb Energy and Power	\$ 0.3	NM	NM	NM	NM
Carlyle/Riverstone Glb E+P IV	\$ 35.1	-8.6%	-20.9%	-29.3%	-61.1%
Carlyle/Riverstone Global	\$ 10.1	-4.8%	-8.2%	-0.2%	-50.8%
CDH Fund V, LP	\$ 212.0	-	14.8%	15.6%	10.2%
Centerbridge Cap Partners III	\$ 121.3	-	12.1%	12.4%	13.5%
Centinela Investment Partners	\$ 1.5	-	-	11.3%	0.0%
Central Valley Fund II SBIC LP	\$ 9.4	-	15.0%	8.6%	-2.0%
Cerberus Cal II Partners LP	\$ 332.9	-	-	11.6%	-10.4%
Cerberus Cal III Partners	\$ 78.9	-	-	-	-
Cerberus CP Partners LP	\$ 560.3	-	15.4%	10.7%	22.5%
Cerberus Institutional Partner LP	\$ 219.8	-	7.6%	6.2%	10.4%
CHK Mid Con Royalty LP	\$ 0.1	-	-61.7%	-72.3%	-96.1%
Clarus LifescienceS I LP	\$ 4.3	-1.4%	-10.8%	-17.9%	-26.6%
Clarus LifescienceS II LP	\$ 5.2	11.9%	3.5%	-4.4%	5.0%
Clayton Dubilier + Rice Fund X	\$ 82.9	-	-	-	28.5%
Clearlake Capital Partners III LP	\$ 29.4	_	47.5%	41.4%	-9.8%
Clearlake Capital Partners IV LP	\$ 60.5	_	-	16.5%	-0.8%
Clearlake Capital Partners V	\$ 72.1	_	_	_	19.8%
Clearlake Opportunity Partners (P) LP	\$ 42.2	_	_	5.7%	-3.5%
Clearwater Capital Partners	\$ 2.0	-5.0%	-11.1%	-13.3%	-10.9%
Clearwater Capital Partners Fund III	\$ 29.5	-2.6%	-10.8%	-15.7%	-21.7%
Coller International Partners	\$ 22.5	4.2%	-6.2%	-9.1%	-27.9%
Corporate Partners LP	\$ 1.1	-36.8%	-66.9%	-78.1%	-94.8%
CVC Capital Partners VI	\$ 582.4	-	-	-	23.6%
CVC Capital Partners VII	\$ 271.0	-	-	-	-6.8%
CVC Compounding Capital	\$ 1,033.9	-	-	14.5%	7.9%
CVC EURO Equity Partners III	\$ 13.6	20.0%	2.8%	7.5%	-0.7%
CVC European Equity Partners IV(B)LP	\$ 0.3	16.0%	7.1%	1.1%	3.7%
CVC European Equity V.I.B.	\$ 0.4 46.7	8.7% 20.1%	-3.7%	6.9%	-11.7%
CVC European Equity V LP EM Alternative Investments	\$ 46.7 38.5	30.1% 4.9%	47.2% 0.8%	57.0% -1.0%	31.4% -8.6%
Essex W Health Ventures VIII	\$ 52.8	-	-	-11.7%	-18.3%

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			10-Yr	5-Yr	3-Yr	1-Yr
		nding				
Partnership ¹		larket ue (MM)	Net Return	Net Return	Net Return	Net Return
First Reserve Fund XI LP	\$	0.4	-39.1%	-58.5%	-69.6%	-97.5%
First Reserve Fund XII	\$	32.6	-13.1%	-25.0%	-23.2%	-40.7%
First Reserve Fund XIII, LP	\$	257.4	-	-4.0%	-4.5%	-28.2%
Foundation Radiology	\$	14.4	-	-1.1%	-1.8%	-5.2%
Francisco Partners II LP	\$	28.3	4.8%	-2.5%	-1.7%	-2.3%
Francisco Partners III LP	\$	72.5	-	23.8%	23.0%	9.2%
GCM Grosvenor DEM LP	\$	70.5	-	7.9%	10.1%	4.1%
GCM Grosvenor DEM II LP	\$	171.8	-	7.2%	6.5%	3.6%
GCM Grosvenor DEM III LP	\$	40.7	-	-	-	-17.2%
General Atlantic GP LP	\$	24.6	-	-	-	-
Golden State Investment Fund	\$	105.7	13.1%	7.9%	6.6%	-6.4%
Grandval	\$	13.8	-	-	-	-10.2%
Grandval II	\$	175.5	-	-	-	1.9%
Green Equity Investors V LP	\$	133.6	18.3%	15.5%	14.1%	-16.4%
GSO Capital Opportunity	\$	1.0	-	-	-28.3%	-38.5%
GSO Capital Opportunity Fund II L.P.	\$	50.9	-	-0.6%	-4.3%	-25.3%
GSO Capital Solutions,LP	\$	4.0	-	-29.3%	-43.1%	-80.5%
GSO Capital Solutions Fund II LP	\$	47.3	-	-13.7%	-25.8%	-55.1%
GSO Energy Partners C LP	\$	115.9	-	-15.2%	-23.5%	-51.4%
GSO Energy Partners C II	\$	109.2	-	-	-7.6%	-31.4%
H + F Capital Partners VIII LP	\$	475.1	-	-	6.0%	-11.1%
H + F Hockey Partners LP	\$	102.7	-	26.4%	27.7%	-0.6%
H + F Kronos LP	\$	178.5	-	-	-	16.4%
Hellman + Friedman Cap Partners	\$	143.8	-	-	-	-
Hellman + Friedman Cap PAR VI	\$	23.0	14.3%	3.3%	-11.5%	-28.8%
Hellman + Friedman VII LP	\$	343.4	-	28.3%	27.5%	1.3%
ICV Partners II LP	\$	0.6	1.4%	-11.9%	-39.2%	8.6%
Insight Venture Partners VI	\$	0.5	-	62.7%	118.1%	568.2%
Insight Venture Partners IX LP	\$	187.9	_	17.8%	28.4%	9.6%
Insight Venture Partners X LP	\$	272.8	_	-	-	12.5%
Insight Venture Partners XI LP	\$	56.4	-	_	_	-
Insight Venture Furthers At El	\$	718.7	-	23.5%	32.2%	5.9%
Ithaca LP	\$	125.1	-	12.4%	20.7%	-3.6%
Jade Equity Investors LP	\$	12.4	-	-	-	-
Kholsa Ventures III	\$	61.4	22.8%	30.9%	92.9%	86.6%
Kholsa Ventures Seed, LP	\$	33.3	-2.6%	-14.8%	-4.4%	4.1%
KKR 2006	\$	102.8	13.6%	12.5%	14.2%	-0.4%
KKR AsiaN Fund KKR AsiaN Fund II	\$ \$	5.4 431.9	-	- 8.0%	- 1.9%	10.9% -8.2%
KKR European Fund II	\$ \$	431.9 0.7	1.8%	-9.0%	3.6%	-8.2% 2.3%
KKR European Fund III	\$	13.6	3.7%	-1.6%	-8.3%	-43.9%

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Name				10-Yr	5-Yr	3-Yr	1-Yr
Name			_				
KKR European Fund V (USD) SCSP KKR Milennium Fund KKR Milennium Fund KKR Milennium Fund KKR Milennium Fund S 0.1 3.8% -5.7% -10.1% 9.4% KKR Special Stitutions Fund III Lackstone Capital Partners VI S 0.1 42.3% 72.3% 98.7% -20.5% Linne Rock Partners IV S 0.1 42.3% 72.3% 98.7% -20.5% Linne Rock Partners IV S 5.5.1	Partnershin ¹						
KKR Milennium Fund KR S becil Structions Fund III Lackstone Capital Partners VI Lime Rock Partners IV Lime Rock Partners V Lime Rock Partners VI Lime Rock Partners V Lime Rock Partners VI Lime Rock Partners V							
RPS Special Situations Fund III	. ,						
Lackstone Capital Partners VII Linne Rock Partners IV \$ 0.1 42.3% 72.3% 98.7% -3.0% Linne Rock Partners IV \$ 5.051 42.3% 72.3% 98.7% -3.0% Linne Rock Partners V \$ 5.051 42.3% 72.3% 98.7% -3.0% Linne Rock Partners V \$ 5.051 42.3% 72.3% 98.7% -3.0% Linne Rock Partners V \$ 13.4 6.5% -10.9% -15.7% 42.4% Lindsay Goldberg IV LP \$ 16.00 27.0% -1.8% Lindsay Goldberg IV LP \$ 12.00 27.0% -1.8% Lindsay Goldberg IV LP \$ 12.00 27.0% -1.8% Lindsay Goldberg IV LP \$ 12.00 27.0% -1.8% Lindsay Goldberg IV LP Lion Capital Fund II LP. \$ 8.22 -11.8% -13.6% -24.7% 21.5% Madison Dearborn Cap Partner IV \$ 3.44 - 16.8% 15.8% 21.1% -30.8% MHMR Institutional ADVII ILC \$ 22.68 8.0% -0.7% 12.0% 1.2% MHR Institutional INV III \$ 8.33.3 2.4% -10.4% -14.5% -26.3% New Mountain Partners II \$ 2.26 8.0% -0.7% 12.0% 1.2% New Mountain Partners III \$ 5.25 0.7% -7.4% 2.4% -28.4% New Mountain Partners III \$ 5.25 0.7% -7.4% 2.4% -28.4%							
Lime Rock Partners IV	·			40.5%	60.7%		
Lime Rock Partners IV	Lackstone Capital Partners VII		465.4	-	-	11.7%	1.5%
Lime Rock Partners V Lindsay Goldberg IV LP Lindsay Goldberg IV LP Lindsay Goldberg IV LP Lindsay Goldberg IV LP Lindsay Goldberg V	Lime Rock Partners IV	\$	0.1	42.3%	72.3%	98.7%	-3.0%
Lindsay Goldberg IV LP Lindsay Goldberg V LP Lindsay La Lindsay Lindsay La L	Lime Rock Partners IV	\$	59.1	-	-	-	-26.6%
Lindsay Goldberg V LP Lion Capital Fund II LP. \$ 12.0	Lime Rock Partners V	\$	13.4	-6.5%	-10.9%	-15.7%	-42.4%
Lion Capital Fund II L.P. \$ 8.2	Lindsay Goldberg IV LP	\$	167.0	-	-	27.0%	-1.8%
Madison Dearborn Cap Partner IV \$ 3.4 - - -39.0% Madison Dearborn Cap Partner V \$ 4.1 16.8% 15.8% 21.1% -30.8% MHR Institutional ADV II LLC \$ 23.6 8.0% -0.7% 12.0% 12.2% MHR Institutional INV III \$ 83.3 2.4% -10.4% -14.5% -26.3% New Mountain Partners II \$ 2.5 3.05% 9.6% -10.3% 8.2% New Mountain Partners III \$ 256.4 14.7% 19.5% 11.1% 3.1% New Including Partners III \$ 256.4 14.7% 19.5% 11.1% 3.1% New Dridge Asia IV LP \$ 2.5 0.7% -7.4% 2.4% -28.4% Oak Hill Capital Partners III LTD \$ 47.3 10.3% 4.9% -0.9% -10.1% Oaktree Latigo Investment Fund \$ 50.0 - - - - - Oaktree Opportunity Fund VIII B LP \$ 49.9 - 0.5% 1.7% -18.9% OHA Black Bear Fund LP \$ 150.0 - - - - - - - -	Lindsay Goldberg V LP	\$	12.0	-	-	-	-
Madison Dearborn Cap Partner IV \$ 3.4 - - -39.0% Madison Dearborn Cap Partner V \$ 4.1 16.8% 15.8% 21.1% -30.8% MHR Institutional ADV II LLC \$ 23.6 8.0% -0.7% 12.0% 12.2% MHR Institutional INV III \$ 83.3 2.4% -10.4% -14.5% -26.3% New Mountain Partners II \$ 2.5 3.05% 9.6% -10.3% 8.2% New Mountain Partners III \$ 256.4 14.7% 19.5% 11.1% 3.1% New Including Partners III \$ 256.4 14.7% 19.5% 11.1% 3.1% New Dridge Asia IV LP \$ 2.5 0.7% -7.4% 2.4% -28.4% Oak Hill Capital Partners III LTD \$ 47.3 10.3% 4.9% -0.9% -10.1% Oaktree Latigo Investment Fund \$ 50.0 - - - - - Oaktree Opportunity Fund VIII B LP \$ 49.9 - 0.5% 1.7% -18.9% OHA Black Bear Fund LP \$ 150.0 - - - - - - - -	Lion Capital Fund II L.P.	\$	8.2	-11.8%	-13.6%	-24.7%	21.5%
MAISION Dearborn Cap Partner V MHR Institutional ADV II LLC \$ 23.6 8.0% -0.7% 12.0% 1.2% 1.2% 1.2% 1.2% 1.2% 1.2% 1.2% 1.2			3.4	-	-	-	-39.0%
MHR Institutional ADV II LLC \$ 23.6 8.0% -0.7% 12.0% 1.2% MHR Institutional INV III \$ 83.3 2.4% -10.4% -14.5% -26.3% New Mountain Partners II \$ 2.3 30.5% 9.6% -10.3% 8.2% New Mountain Partners III \$ 256.4 14.7% 19.5% 11.1% 3.1% New Fide Asia IV LP \$ 25.5 0.7% 7.4% 2.4% -28.4% Oak Hill Capital Partners III \$ 0.9 - - - - 6.6% Oak Hill CR Partners III LTD \$ 47.3 10.3% 4.9% -0.9% -10.1% Oaktree Opportunity Fund VIII B LP \$ 49.9 - - - - OHA Black Bear Fund LP \$ 150.0 - - - - Onex Partners IV LP \$ 161.4 - 2.6% 1.3% 9.0% Onex SIG Co-Investment LP \$ 17.7 - 26.4% 37.7% 88.8% PAG Asia II LP \$ 54.9 - 12.0% 33.2% -33.6% PAG Asia III LP \$ 65.4 - -				16.8%	15.8%	21 1%	
MHR Institutional INV III	·						
New Mountain Partners							
New Mountain Partners III							
Newbridge Asia IV LP \$ 2.5 0.7% -7.4% 2.4% -28.4% Oak Hill Capital Partners II \$ 0.9 - - - 6.6% Oak Hill CR Partners III LTD \$ 47.3 10.3% 4.9% -0.9% -10.1% Oaktree Latigo Investment Fund \$ 50.0 - - - - - Oaktree Opportunity Fund VIII B LP \$ 49.9 - 0.5% 1.7% -18.9% OHA Black Bear Fund LP \$ 150.0 -							
Oak Hill Capital Partners II \$ 0.9 - - - 6.6% Oak Hill CR Partners III LTD \$ 47.3 10.3% 4.9% -0.9% -10.1% Oaktree Latigo Investment Fund \$ 50.0 - - - - Oaktree Opportunity Fund VIII B LP \$ 49.9 - 0.5% 1.7% -18.9% OHA Black Bear Fund LP \$ 150.0 - - - - - Onex Partners IV LP \$ 161.4 - 2.6% 1.3% 9.0% Onex Partners V LP \$ 107.2 - - - -29.1% Onex SIG Co-Investment LP \$ 71.7 - 26.4% 37.7% 88.8% PAG Asia I LP \$ 54.9 - 12.0% 3.2% -33.6% PAG Asia III LP \$ 65.4 - - - -34.3% PAGAC Drone Holdings I LP \$ 42.4 - - -6.9% -33.4% Palladium Equity Partners III \$ 3.9 1.7% -19.5% -28.9% -45.4% PAG Corporate Partners IV \$ 18.8 - - 9.0%							
Oak Hill CR Partners III LTD \$ 47.3 10.3% 4.9% -0.9% -10.1% Oaktree Latigo Investment Fund \$ 50.0 - - - - Oaktree Opportunity Fund VIII B LP \$ 49.9 - 0.5% 1.7% -18.9% OHA Black Bear Fund LP \$ 150.0 - <t< td=""><td>-</td><td></td><td></td><td>0.7%</td><td>-7.4%</td><td>2.4%</td><td></td></t<>	-			0.7%	-7.4%	2.4%	
Oaktree Latigo Investment Fund \$ 50.0 -					-	-	
Oaktree Opportunity Fund VIII B LP \$ 49.9 - 0.5% 1.7% -18.9% OHA Black Bear Fund LP \$ 150.0 - - - - - Onex Partners IV LP \$ 161.4 - 2.6% 1.3% 9.0% Onex Partners V LP \$ 107.2 - - - -29.1% Onex SIG Co-Investment LP \$ 71.7 - 26.4% 37.7% 88.8% PAG Asia II LP \$ 54.9 - 12.0% 3.2% -33.6% PAGAS II LP \$ 65.4 - - - -34.3% PAGAC Drone Holdings I LP \$ 42.4 - - -6.9% -33.4% Palladium Equity Partners III \$ 3.9 1.7% -19.5% -28.9% -45.4% Palladium Equity Partners V LP \$ 118.4 - - -5.9% Patria Brazilian PE FD V LP \$ 118.4 - - -9.0% 4.6% PCG Clean Energy + Technology \$ 59.7 -14.6% -18.3% -23.6% -10.0% PCG Int'l Emerging Market \$ 108.2 5.4% 1.7% 1.8%	Oak Hill CR Partners III LTD		47.3	10.3%	4.9%	-0.9%	-10.1%
OHA Black Bear Fund LP \$ 150.0 - - - - - - - - - - - - - - - - - <	Oaktree Latigo Investment Fund	\$	50.0	-	-	-	-
Onex Partners IV LP \$ 161.4 - 2.6% 1.3% 9.0% Onex Partners V LP \$ 107.2 - - - -29.1% Onex SIG Co-Investment LP \$ 71.7 - 26.4% 37.7% 88.8% PAG Asia I LP \$ 54.9 - 12.0% 3.2% -33.6% PAG Asia III LP \$ 65.4 - - - -34.3% PAGAC Drone Holdings I LP \$ 42.4 - - -6.9% -33.4% Palladium Equity Partners III \$ 3.9 1.7% -19.5% -28.9% -45.4% Palladium Equity Partners V \$ 33.1 - - - -5.9% Patria Brazilian PE FD V LP \$ 118.4 - - - -5.9% PCG Clean Energy + Technology \$ 59.7 -14.6% -18.3% -23.6% -10.0% PCG Int'l Emerging Market \$ 90.3 7.6% 2.6% -4.9% -8.3% PCGI Global Opportunity Fund 2 \$ 477.3 7.9% 10.2% 14.3% 16.1% Permira Growth Opportunities \$ 58.0 - - - </td <td>Oaktree Opportunity Fund VIII B LP</td> <td>\$</td> <td>49.9</td> <td>-</td> <td>0.5%</td> <td>1.7%</td> <td>-18.9%</td>	Oaktree Opportunity Fund VIII B LP	\$	49.9	-	0.5%	1.7%	-18.9%
Onex Partners V LP \$ 107.2 - - -29.1% Onex SIG Co-Investment LP \$ 71.7 - 26.4% 37.7% 88.8% PAG Asia II LP \$ 54.9 - 12.0% 3.2% -33.6% PAGAC Drone Holdings I LP \$ 65.4 - - - -6.9% -33.4% Palladium Equity Partners III \$ 3.9 1.7% -19.5% -28.9% -45.4% Palladium Equity Partners V \$ 33.1 - - - -5.9% Patria Brazilian PE FD V LP \$ 118.4 - - 9.0% 4.6% PCG Clean Energy + Technology \$ 59.7 -14.6% -18.3% -23.6% -10.0% PCG Corporate Partners II \$ 90.3 7.6% 2.6% -4.9% -8.3% PCG Int'l Emerging Market \$ 108.2 5.4% 1.7% 1.8% -5.6% PCG Int'l Emerging Market \$ 0.3 NM NM NM NM Permira Europe III LP 2 \$ 0.3 NM NM NM NM Permira Growth Opportunities \$ 31.1 18.7% 12.3%	OHA Black Bear Fund LP	\$	150.0	-	-	-	-
Onex SIG Co-Investment LP \$ 71.7 - 26.4% 37.7% 88.8% PAG Asia I LP \$ 54.9 - 12.0% 3.2% -33.6% PAG Asia III LP \$ 65.4 - - - -34.3% PAGAC Drone Holdings I LP \$ 42.4 - - -6.9% -33.4% Palladium Equity Partners III \$ 3.9 1.7% -19.5% -28.9% -45.4% Palladium Equity Partners V \$ 33.1 - - - -5.9% Patria Brazilian PE FD V LP \$ 118.4 - - 9.0% 4.6% PCG Clean Energy + Technology \$ 59.7 -14.6% -18.3% -23.6% -10.0% PCG Corporate Partners II \$ 90.3 7.6% 2.6% -4.9% -8.3% PCG Int'l Emerging Market \$ 108.2 5.4% 1.7% 1.8% -5.6% PCGI Global Opportunity Fund 2 \$ 477.3 7.9% 10.2% 14.3% 16.1% Permira Growth Opportunities \$ 58.0 - - - - -9.5% Permira IV \$ 31.1 18.7% <	Onex Partners IV LP	\$	161.4	-	2.6%	1.3%	9.0%
PAG Asia I LP \$ 54.9 - 12.0% 3.2% -33.6% PAG Asia III LP \$ 65.4 - - - -34.3% PAGAC Drone Holdings I LP \$ 42.4 - - -6.9% -33.4% Palladium Equity Partners III \$ 3.9 1.7% -19.5% -28.9% -45.4% Patria Brazilian PE FD V LP \$ 118.4 - - - -5.9% PCG Clean Energy + Technology \$ 59.7 -14.6% -18.3% -23.6% -10.0% PCG Corporate Partners II \$ 90.3 7.6% 2.6% -4.9% -8.3% PCG Int'l Emerging Market \$ 108.2 5.4% 1.7% 1.8% -5.6% PCGI Global Opportunity Fund 2 \$ 477.3 7.9% 10.2% 14.3% 16.1% Permira Europe III LP 2 \$ 0.3 NM NM NM NM Permira IV \$ 31.1 18.7% 12.3% 5.4% -5.5% Permira V LP 2 \$ 275.8 - 26.0% 38.9% 57.5% Permira V LP 1 \$ 454.2 - - 11.2% <td< td=""><td>Onex Partners V LP</td><td>\$</td><td>107.2</td><td>-</td><td>-</td><td>-</td><td>-29.1%</td></td<>	Onex Partners V LP	\$	107.2	-	-	-	-29.1%
PAG Asia I LP \$ 54.9 - 12.0% 3.2% -33.6% PAG Asia III LP \$ 65.4 - - - -34.3% PAGAC Drone Holdings I LP \$ 42.4 - - -6.9% -33.4% Palladium Equity Partners III \$ 3.9 1.7% -19.5% -28.9% -45.4% Patria Brazilian PE FD V LP \$ 118.4 - - - -5.9% PCG Clean Energy + Technology \$ 59.7 -14.6% -18.3% -23.6% -10.0% PCG Corporate Partners II \$ 90.3 7.6% 2.6% -4.9% -8.3% PCG Int'l Emerging Market \$ 108.2 5.4% 1.7% 1.8% -5.6% PCGI Global Opportunity Fund 2 \$ 477.3 7.9% 10.2% 14.3% 16.1% Permira Europe III LP 2 \$ 0.3 NM NM NM NM Permira IV \$ 31.1 18.7% 12.3% 5.4% -5.5% Permira V LP 2 \$ 275.8 - 26.0% 38.9% 57.5% Permira V LP 1 \$ 454.2 - - 11.2% <td< td=""><td>Onex SIG Co-Investment LP</td><td>\$</td><td>71.7</td><td>-</td><td>26.4%</td><td>37.7%</td><td>88.8%</td></td<>	Onex SIG Co-Investment LP	\$	71.7	-	26.4%	37.7%	88.8%
PAG Asia III LP \$ 65.4 - - - -34.3% PAGAC Drone Holdings I LP \$ 42.4 - - -6.9% -33.4% Palladium Equity Partners III \$ 3.9 1.7% -19.5% -28.9% -45.4% Patria Brazilian PE FD V LP \$ 33.1 - - - -5.9% PCG Clean Energy + Technology \$ 59.7 -14.6% -18.3% -23.6% -10.0% PCG Corporate Partners II \$ 90.3 7.6% 2.6% -4.9% -8.3% PCG Int'l Emerging Market \$ 108.2 5.4% 1.7% 1.8% -5.6% PCGI Global Opportunity Fund 2 \$ 477.3 7.9% 10.2% 14.3% 16.1% Permira Europe III LP 2 \$ 0.3 NM NM NM NM Permira IV \$ 31.1 18.7% 12.3% 5.4% -5.5% Permira V LP 2 \$ 275.8 - 26.0% 38.9% 57.5% Permira V LP 1 \$ 454.2 - - 11.2% 6.7%	PAG Asia I LP		54.9	-	12.0%	3.2%	-33.6%
PAGAC Drone Holdings I LP \$ 42.4 - - -6.9% -33.4% Palladium Equity Partners III \$ 3.9 1.7% -19.5% -28.9% -45.4% Palladium Equity Partners V \$ 33.1 - - - -5.9% Patria Brazilian PE FD V LP \$ 118.4 - - 90.0% 4.6% PCG Clean Energy + Technology \$ 59.7 -14.6% -18.3% -23.6% -10.0% PCG Corporate Partners II \$ 90.3 7.6% 2.6% -4.9% -8.3% PCG Int'l Emerging Market \$ 108.2 5.4% 1.7% 1.8% -5.6% PCGI Global Opportunity Fund 2 \$ 477.3 7.9% 10.2% 14.3% 16.1% Permira Europe III LP 2 \$ 0.3 NM NM NM NM Permira Growth Opportunities \$ 58.0 - - - -9.5% Permira IV \$ 31.1 18.7% 12.3% 5.4% -5.5% Permira V LP 2 \$ 275.8 - 26.0% 38.9% 57.5% Permira VI LP 1 \$ 454.2 - - <t< td=""><td>PAG Asia III LP</td><td></td><td>65.4</td><td>-</td><td>-</td><td>-</td><td></td></t<>	PAG Asia III LP		65.4	-	-	-	
Palladium Equity Partners III	PAGAC Drone Holdings I LP			-	-	-6.9%	
Palladium Equity Partners V \$ 33.1 - - -5.9% Patria Brazilian PE FD V LP \$ 118.4 - - 9.0% 4.6% PCG Clean Energy + Technology \$ 59.7 -14.6% -18.3% -23.6% -10.0% PCG Corporate Partners II \$ 90.3 7.6% 2.6% -4.9% -8.3% PCG Int'l Emerging Market \$ 108.2 5.4% 1.7% 1.8% -5.6% PCGI Global Opportunity Fund 2 \$ 477.3 7.9% 10.2% 14.3% 16.1% Permira Europe III LP 2 \$ 0.3 NM NM NM NM Permira Growth Opportunities \$ 58.0 - - - -9.5% Permira IV \$ 31.1 18.7% 12.3% 5.4% -5.5% Permira V LP 2 \$ 275.8 - 26.0% 38.9% 57.5% Permira VI LP 1 \$ 454.2 - - 11.2% 6.7%				1.7%	-19.5%		
Patria Brazilian PE FD V LP \$ 118.4 - - 9.0% 4.6% PCG Clean Energy + Technology \$ 59.7 -14.6% -18.3% -23.6% -10.0% PCG Corporate Partners II \$ 90.3 7.6% 2.6% -4.9% -8.3% PCG Int'l Emerging Market \$ 108.2 5.4% 1.7% 1.8% -5.6% PCGI Global Opportunity Fund 2 \$ 477.3 7.9% 10.2% 14.3% 16.1% Permira Europe III LP 2 \$ 0.3 NM NM NM NM Permira Growth Opportunities \$ 58.0 - - - - -9.5% Permira IV \$ 31.1 18.7% 12.3% 5.4% -5.5% Permira V LP 2 \$ 275.8 - 26.0% 38.9% 57.5% Permira VI LP 1 \$ 454.2 - - 11.2% 6.7%				-	-	-	
PCG Clean Energy + Technology \$ 59.7 -14.6% -18.3% -23.6% -10.0% PCG Corporate Partners II \$ 90.3 7.6% 2.6% -4.9% -8.3% PCG Int'l Emerging Market \$ 108.2 5.4% 1.7% 1.8% -5.6% PCGI Global Opportunity Fund 2 \$ 477.3 7.9% 10.2% 14.3% 16.1% Permira Europe III LP 2 \$ 0.3 NM NM NM NM Permira Growth Opportunities \$ 58.0 - - - - -9.5% Permira IV \$ 31.1 18.7% 12.3% 5.4% -5.5% Permira V LP 2 \$ 275.8 - 26.0% 38.9% 57.5% Permira VI LP 1 \$ 454.2 - - 11.2% 6.7%				_	_	9.0%	
PCG Corporate Partners II \$ 90.3 7.6% 2.6% -4.9% -8.3% PCG Int'l Emerging Market \$ 108.2 5.4% 1.7% 1.8% -5.6% PCGI Global Opportunity Fund 2 \$ 477.3 7.9% 10.2% 14.3% 16.1% Permira Europe III LP 2 \$ 0.3 NM NM NM NM Permira Growth Opportunities \$ 58.0 - - - - -9.5% Permira IV \$ 31.1 18.7% 12.3% 5.4% -5.5% Permira V LP 2 \$ 275.8 - 26.0% 38.9% 57.5% Permira VI LP 1 \$ 454.2 - - 11.2% 6.7%				-14.6%	-18.3%		
PCG Int'l Emerging Market \$ 108.2 5.4% 1.7% 1.8% -5.6% PCGI Global Opportunity Fund 2 \$ 477.3 7.9% 10.2% 14.3% 16.1% Permira Europe III LP 2 \$ 0.3 NM NM NM NM NM Permira Growth Opportunities \$ 58.0 - - - - -9.5% Permira IV \$ 31.1 18.7% 12.3% 5.4% -5.5% Permira V LP 2 \$ 275.8 - 26.0% 38.9% 57.5% Permira VI LP 1 \$ 454.2 - - 11.2% 6.7%				7.6%			
PCGI Global Opportunity Fund 2 \$ 477.3 7.9% 10.2% 14.3% 16.1% Permira Europe III LP 2 \$ 0.3 NM	PCG Int'l Emerging Market						
Permira Europe III LP 2 \$ 0.3 NM NM NM NM Permira Growth Opportunities \$ 58.0 - - - -9.5% Permira IV \$ 31.1 18.7% 12.3% 5.4% -5.5% Permira V LP 2 \$ 275.8 - 26.0% 38.9% 57.5% Permira VI LP 1 \$ 454.2 - - 11.2% 6.7%							
Permira Growth Opportunities \$ 58.0 - - - - -9.5% Permira IV \$ 31.1 18.7% 12.3% 5.4% -5.5% Permira V LP 2 \$ 275.8 - 26.0% 38.9% 57.5% Permira VI LP 1 \$ 454.2 - - 11.2% 6.7%	Permira Europe III LP 2						
Permira V LP 2 \$ 275.8 - 26.0% 38.9% 57.5% Permira VI LP 1 \$ 454.2 - - 11.2% 6.7%	Permira Growth Opportunities	\$		-	-	-	
Permira VI LP 1 \$ 454.2 - - 11.2% 6.7%	Permira IV			18.7%			
				-	26.0%		
Permira VII LP 2 \$ 101.4 - - - -	Permira VI LP 1 Permira VII LP 2	\$ \$		-	-	11.2%	

¹ Private Equity Partnerships time weighted rate of returns are computed by State Street Bank. A dash (-) is used for time periods when a partnership does not have sufficient performance history. Market values are based on General Partners' most recent received financial statements and any cash adjustments made through the reporting date. Only partnerships with market values greater than \$50,000 are included in reporting.

^{*}NM (not meaningful) generally applies to instances when a portfolio or partnership is either funding or liquidating. In these instances, any profit and loss relative to a small capital deployed can materially distort time weighted return results.



				_	_	
	Er	nding	10-Yr	5-Yr	3-Yr	1-Yr
		arket	Net	Net	Net	Net
Partnership ¹	Valu	ie (MM)	Return	Return	Return	Return
Polish Enterprise Fund VI	\$	8.9	32.3%	63.9%	18.9%	64.3%
Providence Equity Partners V LP	\$	1.7	-14.8%	-28.6%	-46.5%	-19.7%
Providence Equity VI	\$	70.7	4.3%	-3.7%	-11.6%	-17.0%
Resolute Fund II	\$	68.0	7.1%	2.1%	0.2%	-11.0%
Riverstone Fieldwood Partners	\$	0.5	-	-61.8%	-78.4%	-87.9%
Riverstone Global Energy + Power V	\$	97.9	-	-21.3%	-31.1%	-63.6%
Riverstone Global Energy Power VI	\$	142.2	-	_	-28.7%	-58.8%
Riverwood Cap Partners LP	\$	41.1	10.3%	5.3%	3.7%	-6.5%
Sacramento Partners	\$	109.1	16.3%	16.2%	22.3%	6.9%
SAIF Partners III	\$	189.1	-	16.7%	13.1%	15.0%
SAIF Partners IV, LP	\$	170.4	_	7.9%	5.0%	10.8%
Sankaty Managed	\$	220.5	-	6.7%	7.9%	4.7%
Silver Lake Partners II	\$	0.1	-2.8%	-21.2%	-32.4%	-70.3%
Silver Lake Partners III	\$	60.5	20.5%	16.5%	11.0%	-2.7%
Silver Lake Partners IV, L.P.	\$	380.6	-	17.1%	16.9%	2.9%
Silver Lake Partners V, L.P.	\$	285.3	-	-	-	6.7%
Silver Lake Technology Investors	\$	86.4	-	-	-	18.0%
Silver Lake Technology Investors IV	\$	104.1	-	21.5%	26.1%	22.3%
Siris Partners III LP	\$	61.8	-	-11.8%	14.2%	19.4%
Siris Partners IV LP	\$	45.4	-	_	-	-14.9%
SL SPV 1, L.P.	\$	90.6	_	-	-	-13.1%
SL SPV 2, L.P.	\$	43.5	-	-	-	-29.6%
Summit Partner Growth EQ	\$	22.1	-	-	-	-
T VI Co Investment A LP	\$	74.6	-	-	33.4%	17.2%
Tailwind Capital Partners LP	\$	4.8	5.0%	-6.2%	-13.7%	-34.5%
Tailwind Capital Partners II, LP	\$	116.4	-	14.0%	5.9%	13.4%
Tailwind Capital Partners III, LP	\$	66.1	-	-	-	-15.7%
TCP II Co-investment B LP	\$	63.0	-	13.6%	10.4%	22.1%
TCV X LP	\$	62.0	-	-	-	-5.8%
The Rise Fund (A), L.P.	\$	49.9	-	-	-	-6.1%
The Second European Equity	\$	0.4	-19.4%	-24.7%	-7.1%	14.7%
THL Managers VI	\$	4.0	8.2%	1.0%	-1.8%	-10.3%
Towerbrook Investors II	\$	3.9	9.1%	-3.0%	-5.7%	-14.3%
Towerbrook Investors III L.P.	\$	4.3	4.7%	-4.1%	-9.4%	-16.5%
Towerbrook Investors IV LP	\$	293.4	-	22.7%	9.8%	-2.9%
Towerbrook Investors V Towerbrook Structured Opp Fund	\$ \$	42.0 184.9	-	-	- 9.5%	- 11.5%
Towerbrook Structured Opp Fund II	۶ \$	19.4	_	-	J.J/0 -	
TPG Asia V	\$	60.9	8.6%	10.5%	4.7%	-11.1%
TPG Asia VII (A)	\$	134.4	-	-	-	-8.2%
TPG BioTechnology Partner	\$	2.4	-	7.1%	44.5%	24.0%

¹ Private Equity Partnerships time weighted rate of returns are computed by State Street Bank. A dash (-) is used for time periods when a partnership does not have sufficient performance history. Market values are based on General Partners' most recent received financial statements and any cash adjustments made through the reporting date. Only partnerships with market values greater than \$50,000 are included in reporting.

M CalPERS

As of June 30, 2020

	F	nding	10-Yr	5-Yr	3-Yr	1-Yr
		larket	Net	Net	Net	Net
Partnership ¹	Val	ue (MM)	Return	Return	Return	Return
TPG BioTechnology Partners III	\$	84.4	-	6.7%	26.9%	65.2%
TPG Credit Strategies LP	\$	7.3	-5.1%	-19.2%	-26.9%	-19.4%
TPG Golden Bear Partners LP	\$	100.6	-	-	-	-4.5%
TPG Growth IV, L.P.	\$	41.3	-	-	-	-10.3%
TPG Healthcare Partners, L.P.	\$	9.2	-	-	-	-
TPG Partners IV	\$	2.4	-3.4%	-25.0%	-37.8%	-55.4%
TPG Partners V	\$	11.3	3.2%	-9.8%	-17.5%	-44.8%
TPG Partners VI	\$	153.7	7.3%	2.4%	-2.8%	-13.4%
TPG Partners VIII	\$	33.9	-	-	-	-
TPG Star	\$	20.8	-5.0%	-19.8%	-33.2%	-59.5%
TPG Venture Holding	\$	43.9	14.6%	32.4%	3.7%	0.0%
Trident VI LP	\$	204.8	-	18.2%	22.9%	15.8%
Trident VII LP	\$	231.3	-	-	-	8.1%
Trident VIII LP	\$	28.7	-	-	-	-
Triton Fund IV LP	\$	47.6	-	-	17.1%	17.3%
Triton Fund V L.P.	\$	49.3	_	_	_	_
Valor Equity Partners IV, L.P.	\$	86.7	-	-	-	16.8%
Vantagepoint 2006	\$	22.4	-11.1%	-9.7%	-12.3%	-3.3%
Vantagepoint Clean Tech Partner	\$	4.2	-14.6%	-17.2%	-21.9%	-21.2%
Vicente Cap Partners Growth Equity Fund	\$	8.1	-	-4.1%	-5.5%	-17.9%
Vista Equity Partners Fund VII	\$	93.9	-	-	-	-7.2%
W Capital Partners II	\$	7.4	1.4%	-3.8%	-3.9%	0.9%
WCAS XIII L.P.	\$	69.2	-	-	-	-12.4%
Wellspring Capital Partners V	\$	59.9	-	15.9%	0.7%	-12.1%
Wellspring V LP	\$	13.1	-	-	1.1%	-10.7%
Welsh Carson Anderson + Stowe	\$	304.9	-	18.5%	24.9%	8.5%
Welsh Carson Anderson Stowe XI	\$	36.2	8.2%	2.5%	-2.4%	-16.2%
Wigmore Street III (BDC III) LP	\$	24.3	-	-	-	-
Wigmore Street Co-Investment	\$	95.3	-	-	20.8%	0.7%
Wigmore Street Co-investment VI LP	\$	30.1	-	-	-	-12.2%
WLR Recovery Fund II LP	\$	0.3	-0.5%	-0.2%	-14.3%	37.1%
WLR Recovery Fund III	\$	11.7	-16.4%	-22.3%	-24.6%	70.3%
WLR Recovery Fund IV	\$	13.3	-3.1%	-11.8%	-19.8%	-32.8%
Yucaipa American Alliance Fund	\$	13.9	0.3%	-1.7%	13.5%	-28.2%
Yucaipa American Alliance II	\$	364.2	6.2%	2.0%	10.3%	0.2%
Yucaipa Corp Initiative Fund Yucaipa Corp Initiatives II LP	\$ \$	5.4 19.0	-9.3% -9.5%	-15.1% -5.8%	-14.7% -13.0%	-55.6% -35.3%
Other ²	۶ \$	5.7	-9.970	-3.6%	-13.070	-33.3%
Total Private Equity		24,552.7				

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²Other includes Cash, Unclassified & Distributed Stock.



Income Ending Market Value & Performance Summary (By Portfolio)

	Ending 10-Yr			5-Yr			3-Yr		1-Yr					
	Ma	rket Value	Net	вм	Excess	Net	вм	Excess	Net	ВМ	Excess	Net	вм	Excess
Portfolio ¹		(MM)	Return	Return	Bps	Return	Return	Bps	Return	Return	Bps	Return	Return	Bps
Alliance Bernstein	\$	0.1	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-
Baring Asset Mgmt	\$	0.1	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-
CalPERS Agency Mortgage	\$	12,577.8	-	-	-	3.4%	3.2%	20	4.2%	4.0%	21	6.0%	5.7%	30
CalPERS BB/B High Yield	\$	321.3	-	-	-	-	-	-	-	-	-	(1.1%)	1.4%	(251)
CalPERS BB/B High Yield FOF	\$	11,302.9	-	-	-	-	-	-	-	-	-	(1.1%)	(0.9%)	(21)
CalPERS Equitable CCMF	\$	0.7	8.3%	3.2%	510	7.9%	3.3%	466	7.8%	4.0%	373	6.4%	5.7%	71
CalPERS Governments	\$	34,505.2	6.2%	6.3%	(6)	7.4%	7.5%	(6)	9.9%	10.1%	(17)	20.0%	20.6%	(60)
CalPERS High Yield	\$	26.3	-	-	-	-	-	-	-	-	-	-	-	-
CalPERS High Yield Mortgage	\$	336.5	8.2%	6.2%	204	4.6%	4.2%	40	3.3%	2.6%	72	(3.1%)	(1.6%)	(146)
CalPERS Investment Grade Corp	\$	26,892.0	8.0%	7.2%	88	8.3%	7.6%	61	8.7%	7.9%	82	13.6%	11.9%	163
CalPERS Member Home Loan Program	\$	28.3	6.7%	3.2%	349	6.7%	3.3%	344	6.6%	4.0%	254	6.1%	5.7%	31
CalPERS Non-Traditional High Yield	\$	47.3	8.0%	6.2%	177	6.8%	4.2%	261	1.0%	2.6%	(158)	8.4%	(1.6%)	1,001
CalPERS Fixed Income Transition	\$	0.8	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-
CalPERS Life Settlements	\$	53.1	NM	-	-	NM	-	-	NM	-	-	NM	-	-
CalPERS Passive Fallen Angels	\$	80.0	-	-	-	2.3%	4.2%	(190)	(0.6%)	2.6%	(323)	(14.1%)	(1.6%)	(1,242)
CalPERS Sovereign Bonds	\$	3,134.5	6.6%	6.1%	44	6.7%	6.2%	51	8.0%	7.4%	61	9.5%	8.5%	102
CalPERS Spread & Treasury Transition	\$	0.2	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-
CalPERS Spread Segment Duration Mgmt	\$	44.6	-	-	-	-	-	-	-	-	-	NM	-	-
CalPERS Structured Mortgage	\$	18,066.5	5.1%	3.2%	193	4.1%	3.3%	85	4.7%	4.0%	65	6.2%	5.7%	48
Columbia High Yield	\$	1,179.8	-	-	-	-	-	-	-	-	-	0.1%	(1.6%)	178
Highland CLN - Longhorn A	\$	9.5	7.5%	4.3%	312	7.7%	2.9%	475	14.5%	2.1%	1,234	54.3%	(2.3%)	5,657
Highland CLN - Longhorn B	\$	54.7	8.1%	6.2%	187	1.9%	4.2%	(223)	(0.1%)	2.6%	(276)	(2.5%)	(1.6%)	(86)
Nomura High Yield	\$	1,189.2	7.9%	6.2%	168	5.0%	4.2%	83	3.2%	2.6%	57	(1.0%)	(1.6%)	59
PIMCO	\$	0.1	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-
Total Income	\$	109,851.6												

¹ Portfolios time weighted rate of returns are computed by State Street Bank. A dash (-) is used for time periods when a portfolio does not have sufficient performance history. Only portfolios with market values greater than \$50,000 are included in reporting.

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Real Assets Ending Market Value & Performance Summary (By Partnership)

		Ending	10-Yr	5-Yr	3-Yr	1-Yr
		Market	Net	Net	Net	Net
Partnership ¹		ilue (MM)	Return	Return	Return	Return
Alinda Infrastructure Fund II LP	\$	82.6	1.7 %	-4.4 %	-9.4 %	-9.6 %
ARA Asia Dragon Fund II	\$	0.1	-	NM	NM	NM
ARA China Long Term Hold	\$	921.2	-	5.2 %	1.8 %	-7.2 %
Archmore International Infrastructure Fund II (B) LP	\$	46.1	-	NM	2.6 %	-0.7 %
Archmore International Infrastructure Fund II (C) LP	\$	97.9	-	NM	2.6 %	-0.7 %
Blackstone Property Partners Europe LP**	\$	878.0	_	_	_	18.4%
CalEast Canada Limited Partnership	\$	3.2	_	-4.9 %	-6.6 %	-2.1 %
CalEast Industrial Investors LLC	\$	2.5	_	NM	NM	NM
CalEast Solstice - Base	\$	4,603.2	-	-	15.1 %	18.2 %
CalEast Solstice - DT Land	\$	190.7	_	_	-10.7 %	-5.7 %
CalEast Solstice - DT Other	\$	683.6	_	_	-3.2 %	-16.7 %
CalWest - CalPERS GIP	\$	8.3	_	_	-	-25.3 %
Canyon Catalyst Fund II LLC	\$	499.1	_	_	_	10.7 %
Carlyle Infrastructure Partners LP	\$	1.0	NM	NM	NM	NM
CCF III LLC				INIVI	INIVI	
CCP 2020	\$	126.0	-	-	-	-
	\$	274.5	-	2.6.0/	-	-
CIM Fund III LP	\$	308.1	8.6 %	2.6 %	1.1 %	-6.6 %
CIM Infrastructure Fund LP	\$ \$	339.9 536.8	10.6 %	-2.5 %	-5.6 % 11.6 %	-17.4 % 3.2 %
Concession Investment Holdings LLC			-	0.40/		
FSP - Base	\$	6,414.3	-	8.4 %	5.2 %	5.0 %
FSP - DT 2012 and Beyond	\$	9.5	-	NM	NM	NM
Global Infrastructure Partners II LP	\$	245.3	-	11.2 %	7.4 %	-9.7 %
Golden Reef Infrastructure Trust**	\$	1,242.7	-	NM	12.5%	10.0%
GRI - Base	\$	2,893.4	-	8.3 %	5.8 %	3.9 %
GRI - DT 2012 and Beyond	\$	25.5	-	-	-	27.4 %
Harbert Gulf Pacific Power LLC (HGPP)	\$	1,545.3	-	9.2 %	10.0 %	9.5 %
Harbert Power Fund V LP (HPF V)	\$	88.5	-	10.7 %	10.8 %	8.3 %
HC Green Development Fund LP	\$	349.3	10.6 %	9.7 %	17.3 %	77.2 %
HC LTH LLC**	\$	674.3	-	-	-	-
HCB Interests II LP	\$	58.7	10.2 %	0.7 %	-2.7 %	11.5 %
HCC Interests LP	\$ \$	0.2 0.6	NM NM	NM NM	NM NM	NM NA
Hearthstone Housing Partners II LLC Hines European Development Fund LP	\$	6.8	NM	-4.0 %		NM -2.0 %
IHP Investment Fund III LP	\$	106.2	-1.2 %	-4.0 % -4.3 %	-1.5 % -5.3 %	-2.0 % -9.2 %
IMI - Base	۶ \$	5,980.2	-1.2 /0	4.1 %	-0.9 %	1.2 %
IMP - Abaca	\$	194.3	_		-	4.8 %
IMP - Base	\$	5,759.9	-	6.7 %	6.0 %	8.1 %
IMP - DT 2012 and Beyond	\$	289.9	-	16.8 %	14.1 %	11.6 %
IMP - ICMI	\$	650.8	-	-	-	6.3 %

¹ Market values and time weighted returns of Real Asset Partnerships reflect financial statements received through the end of the reporting period. This information may differ from other reporting due to timing of recognizing cashflow activity. A dash (-) is used for time periods when a partnership does not have sufficient performance history. Only partnerships with market values greater than \$50,000 are included in reporting.

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^{**}Ending Market Value and Net Returns include the impact of CalPERS foreign currency hedges on the underlying Real Assets partnership.

CalPERS

As of June 30, 2020

Real Assets Ending Market Value & Performance Summary (By Partnership)

		Ending	10-Yr	5-Yr	3-Yr	1-Yr
		Market	Net	Net	Net	Net
Partnership¹ Partnership Part	Va	lue (MM)	Return	Return	Return	Return
Institutional Logistics Partners LLC	\$	1,324.4	-	14.2 %	16.0 %	13.2 %
Ivy Investment Vehicle LDC (SWPM)	\$	0.2	-	23.1 %	22.4 %	-10.7 %
KC 2011, LLC	\$	24.3	-	-0.6 %	-9.7 %	-55.9 %
KSC Affordable Housing Investment Fund LLC	\$	0.2	-1.3 %	-7.4 %	-13.4 %	-29.1 %
Land Management Company Resmark	\$	359.2	-	-	-	-
LaSalle Japan Logistics Fund II LP	\$	0.2	NM	NM	NM	NM
Lincoln Timber LP	\$	857.7	-3.8 %	-5.1 %	-3.2 %	-0.8 %
National Office Partners, LLC (CWP)	\$	0.3	-	0.0 %	1.1 %	2.2 %
Neptune Regional Transmission System LLC	\$	283.0	-	11.0 %	14.2 %	7.2 %
North Haven Infrastructure Partners II LP	\$	230.9	-	11.5 %	18.2 %	9.5 %
ORA Multifamily Investments I LLC	\$	25.3	8.9 %	13.0 %	10.0 %	3.0 %
ORA Residential Investments I LP	\$	110.2	12.6 %	6.3 %	1.2 %	-3.8 %
Pacific Multifamily Investors LLC	\$	1,615.5	-	10.1 %	9.8 %	7.1 %
PLA Retail Fund I LP	\$	1.1	-2.6 %	-15.1 %	-6.5 %	-1.8 %
PMI Tactical	\$	34.4	-	-	-	-
Sacramento Venture Hines Base	\$	56.0	-	-	-	-
Sacramento Venture Hines DT	\$	51.6	-	-	-	-
Southern Diversified	\$	2.1	-	-	3.1 %	-3.1 %
Stockbridge Hollywood Park Co-Investors LP	\$	52.5	9.3 %	6.6 %	3.4 %	-0.2 %
Stockbridge Real Estate Fund II -B LP	\$	6.9	9.2 %	1.8 %	1.1 %	-6.8 %
Strategic Property Fund Asia SCSP**	\$	274.5	-	-	3.8%	3.0%
Sylvanus LLC	\$	416.0	4.7 %	4.1 %	0.2 %	1.2 %
TechCore 2019	\$	3.8	-	-	-	-
TechCore LLC	\$	1,419.3	-	10.6 %	9.2 %	8.6 %
Tower Bridge Infrastructure Partners LP**	\$	777.3	-	-	-	4.8%
Whitney Ranch Resmark	\$	49.5	-	-	-	-
Xander Co-Investment	\$	0.7	-18.2 %	-11.6 %	-16.6 %	-4.2 %
Total Real Assets	\$	44,115.4				

¹ Market values and time weighted returns of Real Asset Partnerships are computed by AREIS Investment Book of Record and reflect financial statements received through the end of the reporting period. A dash (-) is used for time periods when a partnership does not have sufficient performance history. Only partnerships with market values greater than \$50,000 are included in reporting.

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^{**}Ending Market Value and Net Returns include the impact of CalPERS foreign currency hedges on the underlying Real Assets partnership.



Liquidity Ending Market Value & Performance Summary (By Portfolio)

Ending			10-Yr			5-Yr			3-Yr			1-Yr		
Portfolio ^¹		Net Return		Excess Bps			Excess Bps		BM Return	Excess Bps	Net Return	BM Return	Excess Bps	
CalPERS Short Term	\$ 3,311.2	0.8%	0.6%	17	1.4%	1.1%	28	2.0%	1.6%	39	1.6%	1.3%	35	
Total Liquidity	\$ 3,311.2													

Opportunistic Ending Market Value & Performance Summary (By Portfolio)

	Ending Market Value (MM)		10-Yr			5-Yr			3-Yr			1-Yr		
Portfolio ¹			Net Return		Excess Bps	Net Return		Excess Bps	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps
Oaktree Strategic Lending	\$	18.0	-	-	-	-	-	-	-	-	-	-	-	-
PIMCO Disco III	\$	60.6	-	-	-	-	-	-	-	-	-	-	-	-
Total Opportunistic	\$	78.6										·		

Trust Level Ending Market Value & Performance Summary (By Portfolio)

	Ending Market Value (MM)		10-Yr			5-Yr			3-Yr			1-Yr		
Portfolio ¹			Net Return	BM Return	Excess Bps	Net Return		Excess Bps	Net Return	BM Return	Excess Bps	Net Return	BM Return	Excess Bps
Absolute Return Strategies	\$	235.2	4.5%	6.0%	(151)	3.8%	6.6%	(277)	7.9%	7.4%	59	51.0%	8.0%	4,299
AQR MAC Fund LP	\$	395.4	-	-	-	(0.5%)	7.5%	(798)	(4.7%)	7.5%	(1,224)	(19.8%)	7.5%	(2,731)
CalPERS Int Hldg Fixed Income	\$	0.6	-	-	-	-	-	-	NM	NM	-	NM	NM	-
CalPERS MHLP	\$	3.7	-	-	-	1.9%	3.3%	(138)	0.1%	4.0%	(397)	(4.2%)	5.7%	(994)
CalPERS Securities Lending	\$	0.4	NM	NM	-	NM	NM	-	NM	NM	-	NM	NM	-
Perella Weinberg MAC	\$	18.5	-	-	-	NM	NM	-	NM	NM	-	NM	NM	-
Standard Life MAC	\$	0.4	-	-	-	NM	NM	-	NM	NM	-	NM	NM	-
TLPM Strategic Completion Overlay	\$	260.0	-	-	-	-	-	-	1	-	-	-	-	-
Total Trust Level	\$	914.2												_

¹ Portfolios time weighted rate of returns are computed by State Street Bank. A dash (-) is used for time periods when a portfolio does not have sufficient performance history. Only portfolios with market values greater than \$50,000 are included in reporting.

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