



PORTFOLIO
ADVISORS LLC

LACERS Semi-Annual
Board Presentation

January 2015



Agenda

- ◆ Advisory Mandate Timeline
- ◆ Portfolio Performance Review (as of June 30, 2014)
- ◆ Strategic Plan Update (as of December 31, 2014)
- ◆ Discussion on Investment Process
- ◆ Appendix
- ◆ Disclosure Statement

Advisory Mandate Timeline

Advisory Mandate Timeline

- ◆ Portfolio Advisors was awarded the mandate to advise LACERS on its Private Equity Program in December 2013. Staff communicated that Portfolio Advisors had been selected because the Board and Staff felt that PA would provide a more customized approach to investing in the asset class and access to sponsors raising smaller, difficult to access funds with higher return potential, as well as maintain existing relationships with top tier sponsors
- ◆ Since December, the following events have occurred:
 - **January 2014** – Three year contract signed
 - **January thru April 2014** – Historical cash flow and company/portfolio detail on 173 funds was sourced, reconciled with GP records and loaded into Portfolio Advisors' proprietary portfolio management system trade-named PRIVILEGe
 - Continue to source, load and monitor on-going cash flow and company/portfolio detail related to existing and new funds
 - **April 2014** – Commitment Pacing Study performed and Strategic Plan completed
 - **April 22, 2014** – Portfolio Advisors presents to LACERS Board a review of the Private Equity Program and Strategic Plan
 - **July 2014** – Provided Staff with PRIVILEGe demonstration and training
 - **July 2014** – Provided Staff with first quarterly report utilizing customized reporting format
 - **July 2014** – Provided commentary/edits on Alternative Investment Policy
 - **August 12, 2014** – Portfolio Advisors presents to LACERS Board a review of YTD 2014 Private Equity Commitments
 - **January thru December 2014** – Portfolio Advisors reviewed, approved with Staff and closed on commitments to 18 funds totaling \$350 million on behalf of LACERS

Portfolio Performance Review

As of June 30, 2014

Highlights

◆ Portfolio

- Aggregate Portfolio is comprised of \$3,015.9 million of commitments to 182 partnerships managed by 96 different sponsors since inception
 - \$180 million of commitments to 9 new partnership were added to the Aggregate Portfolio from January 1, 2014 through June 30, 2014 (targeting \$325 to \$350 million of commitments during 2014)
 - \$325 million of commitments to 12 new partnerships were added to the Aggregate Portfolio during 2013. This compares to \$166 million of commitments to 7 new partnerships added during 2012
 - Increase in 2013 and 2014 commitment pace reflects the increase in the Private Equity Exposure Target to 12% from 9% (9.5% of total Plan assets as of June 30, 2014)

◆ Performance

- Aggregate Portfolio, led by the performance of the Core Portfolio, was generating a net IRR since inception of 11.6% and a 1.53x total return multiple on invested capital
- From a one-, three-, and five-year perspective, LACERS' Aggregate Portfolio lagged the cash flow weighted *Russell 3000 Index +300 bps* benchmark as a result of strong stock market performance over the last few years. However, the more relevant ten-year and net IRR since inception have outperformed the benchmark by 180 bps and 120 bps, respectively

◆ Diversification

- Aggregate Portfolio is well diversified across geographies, sectors and vintage years and has exposure to multiple industries and over 2,000 companies

◆ Cash Flows

- Similar to 2011, 2012 and 2013, distributions continued to outpace contributions (positive net cash flow) through the first half of 2014. This 3.5 year trend suggests the portfolio has achieved “self-funded” status

Aggregate Portfolio Summary

- ◆ In early 2012, LACERS increased its private equity exposure target from 9% to 12%. As of June 30, 2014, the Aggregate Portfolio's ARV ¹ was \$1,331.7 million, approximately 9.5% of total Plan assets

Aggregate Portfolio Private Equity Exposure Summary

\$'s in millions

Total Plan Market Value	\$13,951.3
Private Equity Exposure Target (%)	12% ± 3%
Private Equity Exposure Target (\$)	\$1,674.2
Current Private Equity Exposure (%)	9.5%
ARV ¹	\$1,331.7

1) ARV - Adjusted Reported Value. Represents reported value as most recently reported by the General Partners, adjusted for net contribution and distribution activity

Aggregate Portfolio Summary (continued)

- ◆ LACERS has committed \$3,015.9 million to 182 partnerships managed by 96 sponsors since the inception of its private equity program in 1995
- ◆ Contributions to and distributions from the Aggregate Portfolio since inception totaled \$2,218.4 million and \$2,058.1 million, respectively
- ◆ Net IRR since inception of 11.58% was up 72 bps year over year
- ◆ Portfolio generated year over year positive net cash flow of \$147.4 million

Aggregate Portfolio Snapshot			
\$'s in millions			
Portfolio Since Inception	6/30/14	6/30/13	Net Change
Partnerships	182	167	15
Sponsors	96	90	6
Commitments	\$3,015.9	\$2,670.6	\$345.3
Contributions	\$2,218.4	\$2,015.5	\$202.9
Remaining Commitments	\$830.3	\$685.5	\$144.8
Distributions	\$2,058.1	\$1,707.8	\$350.3
ARV ¹	\$1,331.7	\$1,225.6	\$106.1
Total Value ²	\$3,389.8	\$2,933.4	\$456.4
Return Multiple ³	1.53x	1.46x	0.07x
Net IRR Since Inception	11.58%	10.86%	0.72%

1) ARV - Adjusted Reported Value. Represents reported value as most recently reported by the General Partners, adjusted for net contribution and distribution activity

2) Total Value: Cumulative Distributions + ARV ¹

3) Return Multiple: (Cumulative Distributions + ARV ¹) / Cumulative Contributions (including fees outside of commitment)

Core & Specialized Portfolio Summaries

- ◆ Core Portfolio accounts for 93% of the total commitments and 90% of total market value (“ARV” ¹) in the Aggregate Portfolio
- ◆ Core and Specialized Portfolios showed improved performance year over year
 - Core Portfolio was up 72 bps; Specialized Portfolio was up 100 bps
- ◆ Distributions outpaced contributions in the Core Portfolio

Core Portfolio Snapshot			
	\$'s in millions		
Portfolio Since Inception	6/30/14	6/30/13	Net Change
Partnerships	159	144	15
Sponsors	77	71	6
Commitments	\$2,818.0	\$2,472.5	\$345.5
Contributions	\$2,044.5	\$1,852.2	\$192.3
Remaining Commitments	\$805.8	\$650.2	\$155.6
Distributions	\$1,988.4	\$1,648.4	\$340.0
ARV ¹	\$1,200.8	\$1,106.1	\$94.7
Total Value ²	\$3,189.2	\$2,754.5	\$434.7
Return Multiple ³	1.56x	1.49x	0.07x
Net IRR Since Inception	12.07%	11.35%	0.72%

Specialized Portfolio Snapshot			
	\$'s in millions		
Portfolio Since Inception	6/30/14	6/30/13	Net Change
Partnerships	23	23	0
Sponsors	19	19	0
Commitments	\$197.9	\$198.1	(\$0.2)
Contributions	\$173.8	\$163.3	\$10.5
Remaining Commitments	\$24.5	\$35.3	(\$10.8)
Distributions	\$69.7	\$59.4	\$10.3
ARV ¹	\$130.9	\$119.5	\$11.4
Total Value ²	\$200.6	\$178.9	\$21.7
Return Multiple ³	1.16x	1.10x	0.06x
Net IRR Since Inception	3.46%	2.46%	1.00%

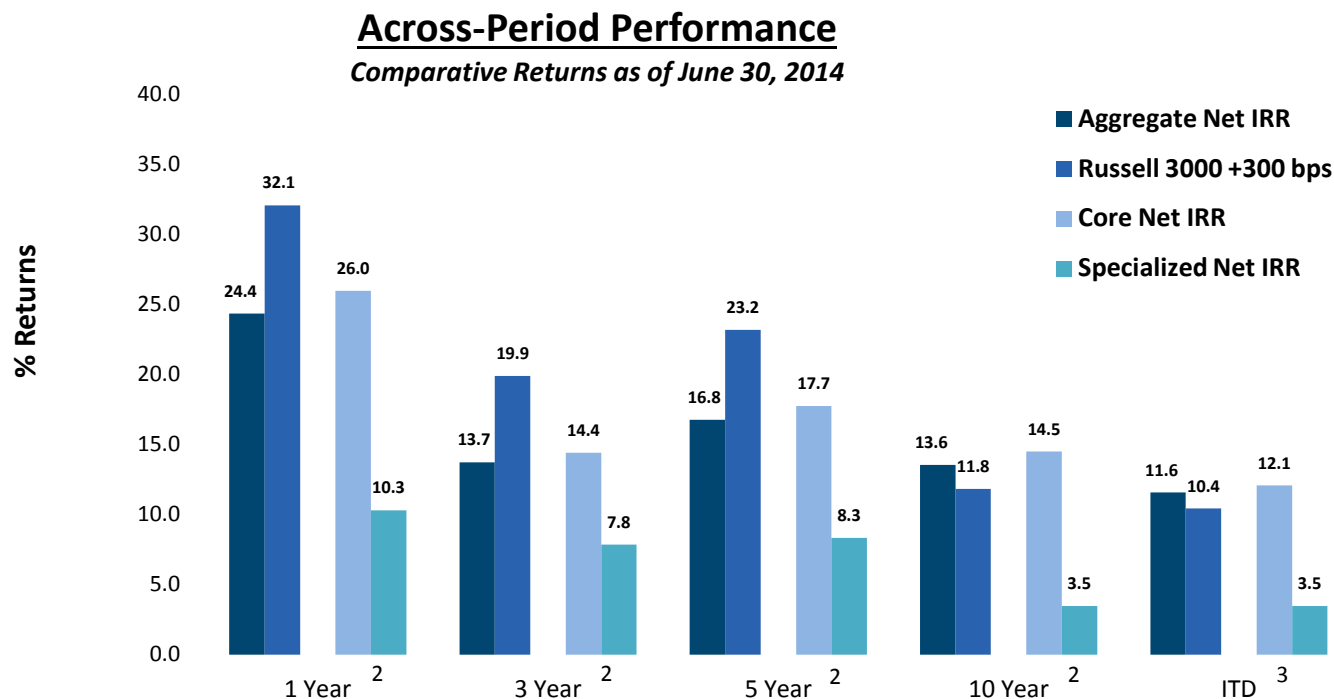
1) ARV - Adjusted Reported Value. Represents reported value as most recently reported by the General Partners, adjusted for net contribution and distribution activity

2) Total Value: Cumulative Distributions + ARV ¹

3) Return Multiple: (Cumulative Distributions + ARV ¹) / Cumulative Contributions (including fees outside of commitment)

Comparative Returns

- From a 1-, 3-, and 5-year perspective, LACERS' Aggregate Portfolio lagged the *Russell 3000 Index +300 bps* benchmark. However, the more relevant ten-year and ITD net IRRs³ have outperformed the benchmark by 180 bps and 120 bps, respectively

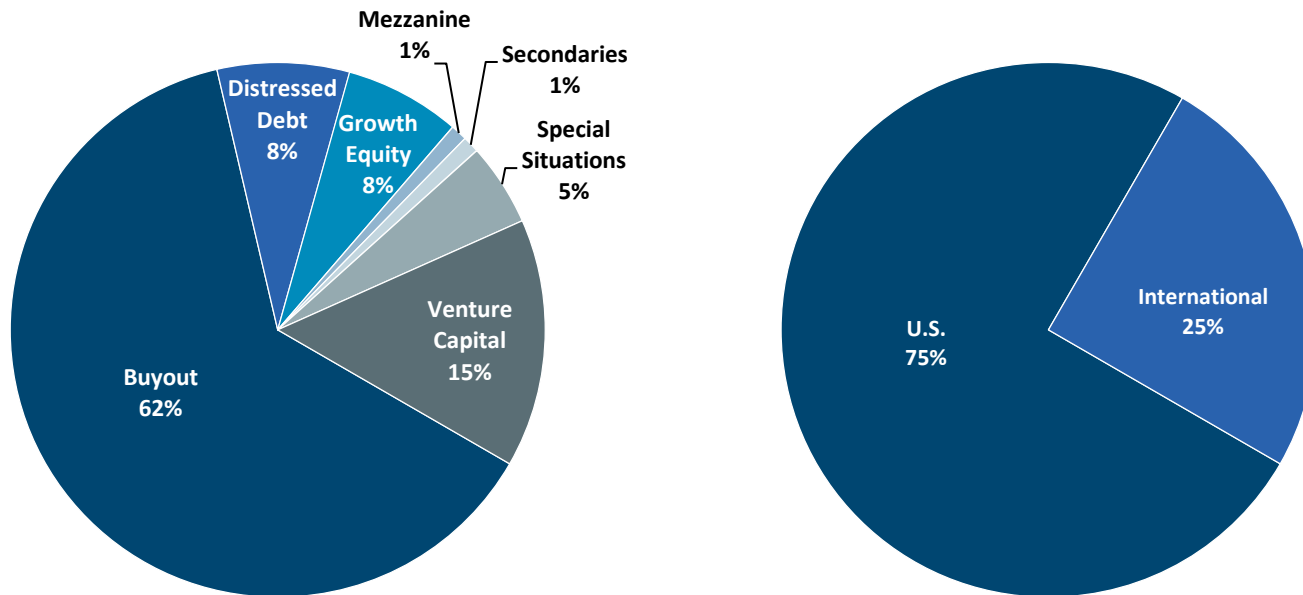


- 1) With the exception of the hypothetical final cash flow, the cash weighted return for the Russell 3000 + 300 bps index assumes the same inception to date net cash flow stream that was used in calculating the returns for the Aggregate Portfolio. The hypothetical final cash flow/valuation at 6/30/2014 reflects the amount of appreciation or depreciation that the index experienced from inception to date
- 2) 1-, 3-, 5- and 10- year IRRs ("Across Period" returns) are calculated using the previous periods ending value as the calculations' initial cash inflow. The across period IRR represents the implied discount rate that will make the net present value of the stream of cash flows sum to zero
- 3) "ITD Net IRR": Inception-to-Date Net Internal Rate of Return as of 6/30/2014

Portfolio Diversification

- ◆ Aggregate Portfolio is well diversified across geographies, sectors and vintage years and has exposure to multiple industries and over 2,000 companies

All Charts are based on Reported Value ¹
As of June 30, 2014

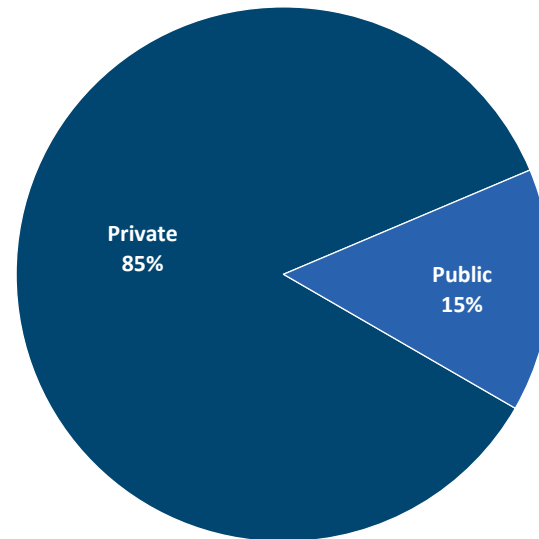
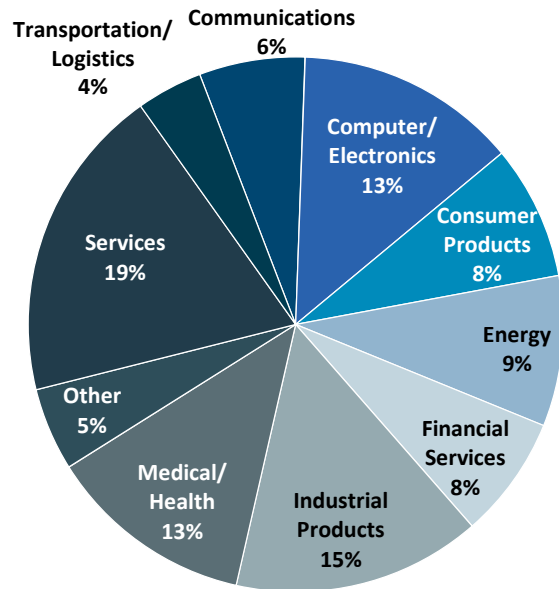


1) Reported Value: Represents reported value as most recently reported by the General Partners

Portfolio Diversification (continued)

- ◆ Aggregate Portfolio has 85% exposure to private companies with the balance in public companies

Public/Private based on Reported Value ¹
As of June 30, 2014



1) Reported Value: Represents reported value as most recently reported by the General Partners



Sector Performance

- ◆ The Buyout Sector, the Aggregate Portfolio's largest exposure at 62.5%, has performed well with a net IRR since inception of 13.3%
- ◆ The Venture Capital Sector, the Aggregate Portfolio's second largest exposure at 14.8%, has generated a net IRR since inception of 7.4%
- ◆ Distressed Debt, the Aggregate Portfolio's fourth largest exposure, has performed well with a net IRR since inception of 12.1%

Sector	Commitments	% of Total Commitments	ARV ¹	% of Total Reported Value	Return Multiple ²	Net IRR ³
\$'s in millions						
Buyout	\$1,835.8	60.9%	\$831.9	62.5%	1.64x	13.3%
Growth Equity	\$196.3	6.5%	\$103.4	7.8%	1.18x	3.5%
Venture Capital	\$420.2	13.9%	\$196.9	14.8%	1.35x	7.4%
Special Situations	\$240.0	8.0%	\$70.8	5.3%	1.34x	12.0%
Distressed Debt	\$273.6	9.1%	\$106.6	8.0%	1.43x	12.1%
Mezzanine	\$25.0	0.8%	\$10.4	0.8%	1.30x	7.2%
Secondaries	\$25.0	0.8%	\$11.7	0.8%	1.46x	30.5%
Total Portfolio	\$3,015.9	100%	\$1,331.7	100%	1.53x	11.6%

1) ARV - Adjusted Reported Value. Represents reported value as most recently reported by the General Partners, adjusted for net contribution and distribution activity

2) Return Multiple: (Cumulative Distributions + ARV ¹) / Cumulative Contributions (including fees outside of commitment)

3) Net IRR Since Inception as of 6/30/2014

Performance by Sub-Strategy

Investment Strategy	Capital Committed	Paid-In Capital	Percentage Called	Capital Distributed	Percentage Distributed	Adjusted Reported Value ¹	Net IRR ²
\$'s in millions							
Buyout	\$1,835.8	\$1,421.2	77%	\$1,494.1	81%	\$831.9	13.3%
Mega	\$478.1	\$390.9	82%	\$299.2	63%	\$292.3	10.8%
Large	\$458.1	\$406.4	89%	\$499.0	109%	\$193.2	13.9%
Mid	\$646.0	\$439.6	68%	\$538.2	83%	\$254.9	17.6%
Small	\$253.6	\$184.2	73%	\$157.8	62%	\$91.5	7.1%
Distressed Debt	\$273.6	\$190.7	70%	\$165.4	60%	\$106.6	12.1%
Control	\$71.2	\$48.2	68%	\$19.7	28%	\$47.3	15.0%
Multi-Strategy	\$45.9	\$12.3	27%	\$1.0	2%	\$14.0	20.6%
Non-control	\$156.5	\$130.3	83%	\$144.7	92%	\$45.3	11.8%
Growth Equity	\$196.3	\$149.3	76%	\$72.8	37%	\$103.4	3.5%
Mezzanine	\$25.0	\$22.6	90%	\$18.8	75%	\$10.4	7.2%
Secondaries	\$25.0	\$8.9	35%	\$1.2	5%	\$11.7	30.5%
Special Situations	\$240.0	\$99.8	42%	\$62.7	26%	\$70.8	12.0%
Venture Capital	\$420.2	\$325.9	78%	\$243.2	58%	\$196.9	7.4%
Early Stage	\$102.8	\$72.2	70%	\$66.9	65%	\$67.7	32.6%
Late State	\$69.0	\$51.4	75%	\$21.3	31%	\$29.3	-0.4%
Multi-Stage	\$248.4	\$202.3	81%	\$155.0	62%	\$100.0	5.2%
Total Portfolio	\$3,015.9	\$2,218.4	74%	\$2,058.1	68%	\$1,331.7	11.6%

1) Adjusted Reported Value: Represents reported value as most recently reported by the General Partners, adjusted for net contribution and distribution activity

2) Net IRR Since Inception as of 6/30/2014

Vintage Year Performance

- Aggregate Portfolio performance exceeded the *Thomson Eikon* Benchmark median returns for 14 of the 19 reported vintage years and exceeded the top quartile returns for 5 of the 19 reported vintage years

Vintage Year	Commitments	% of Total	ARV ¹	% of Total	Return Multiple ²	Net IRR ³	Median Benchmark ⁴	Top Quartile Benchmark ⁴
\$'s in millions								
1995	\$15.0	1%	\$0.0	0%	2.18x	17.7%	14.9%	36.6%
1996	\$59.7	2%	\$0.1	0%	1.96x	15.8%	10.1%	26.8%
1997	\$26.0	1%	\$0.0	0%	2.25x	25.3%	11.2%	26.2%
1998	\$60.3	2%	\$1.4	0%	1.37x	5.7%	7.1%	15.2%
1999	\$196.9	7%	\$12.3	1%	1.24x	4.2%	2.3%	11.7%
2000	\$155.5	5%	\$26.5	2%	1.75x	13.5%	4.2%	12.9%
2001	\$53.3	2%	\$7.7	1%	1.75x	16.4%	10.6%	20.8%
2002	\$27.9	1%	\$5.3	1%	1.68x	9.7%	12.5%	22.3%
2003	\$97.6	3%	\$41.6	3%	1.95x	19.4%	10.9%	18.8%
2004	\$154.7	5%	\$57.4	4%	1.84x	15.6%	8.4%	13.9%
2005	\$189.1	6%	\$99.9	8%	1.58x	9.4%	7.4%	11.5%
2006	\$310.0	10%	\$214.9	16%	1.31x	5.8%	7.6%	11.4%
2007	\$250.0	8%	\$184.5	14%	1.58x	13.2%	10.2%	14.4%
2008	\$261.6	9%	\$218.9	16%	1.65x	17.2%	11.8%	17.1%
2009	\$53.9	2%	\$53.1	4%	1.62x	21.5%	14.2%	22.0%
2010	\$185.0	6%	\$98.9	7%	1.25x	11.5%	13.7%	21.6%
2011	\$223.3	7%	\$157.0	12%	1.36x	24.2%	10.5%	20.9%
2012	\$235.9	8%	\$103.4	8%	1.20x	19.4%	9.1%	21.7%
2013	\$310.0	10%	\$45.5	3%	0.96x	(11.6%)	(10.0%)	8.5%
2014	\$150.0	5%	\$3.4	0%	NM	NM	NM	NM
Total Portfolio	\$3,015.9	100%	\$1,331.7	100%	1.53x	11.6%	8.9%	16.6%

1) ARV - Adjusted Reported Value. Represents reported value as most recently reported by the General Partners, adjusted for net contribution and distribution activity

2) Return Multiple: (Cumulative Distributions + ARV¹) / Cumulative Contributions (including fees outside of commitment)

3) Net IRR Since Inception as of 6/30/2014

4) Thomson Eikon All Private Equity US median and top quartile benchmarks as of 6/30/2014

Five Largest Sponsors by Total Exposure

- ◆ Top five sponsors by total exposure account for 17% of the Aggregate Portfolio's total commitments and 21% of the total exposure ¹

Five Largest Sponsors by Total Exposure ¹							
\$'s in millions							
Sponsor	# of Funds	Total Commitments	% of Total	Total Exposure ¹	% of Total	Return Multiple ²	Net IRR ³
Texas Pacific Group	7	\$157.2	5%	\$125.4	6%	1.72x	17.1%
Vista Equity Partners	4	\$105.0	3%	\$99.9	5%	1.76x	25.9%
Providence Equity Partners	4	\$98.0	3%	\$87.1	4%	1.30x	6.3%
The Blackstone Group	3	\$65.0	2%	\$74.3	3%	1.52x	12.0%
Apollo Capital Management	4	\$80.0	3%	\$69.3	3%	1.83x	13.2%
	22	\$505.2	17%	\$456.0	21%		

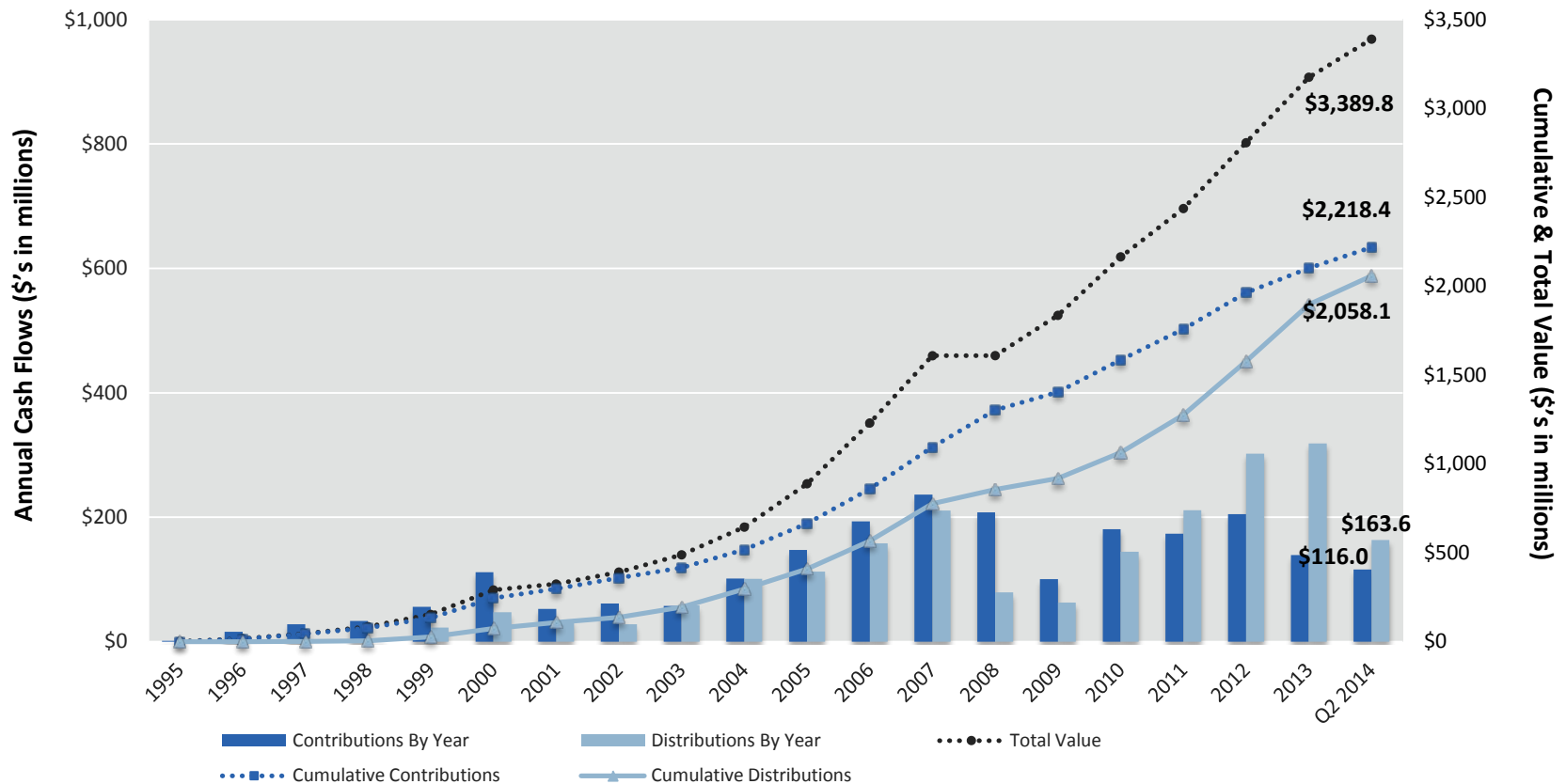
1) Total Exposure is equal to the reported value as most recently reported by the General Partners plus remaining commitment

2) Return Multiple: (Cumulative Distributions + Reported Value) / Cumulative Contributions (including fees outside of commitment)

3) Net IRR Since Inception as of 6/30/2014

Aggregate Portfolio Cash Flow Summary

- ◆ Cumulative contributions and distributions totaled \$2,218.4 million and \$2,058.1 million, respectively
- ◆ Aggregate Portfolio's total value is \$3,389.8 million as of June 30, 2014



Annual Net Cash Flow Summary

- ◆ 2013 marked the third consecutive year in which the Aggregate Portfolio’s distributions outpaced contributions (positive net cash flow) which suggests that it has achieved “self-funded” status
 - Self-funded status (distributions exceeding contributions) is an ideal situation for a Private Equity Plan
- ◆ Positive net cash flow increased from \$38.1 million in 2011 to \$179.5 million in 2013
- ◆ Through the first half of 2014, the Aggregate Portfolio continued to self-fund with positive net cash flow of \$47.6 million

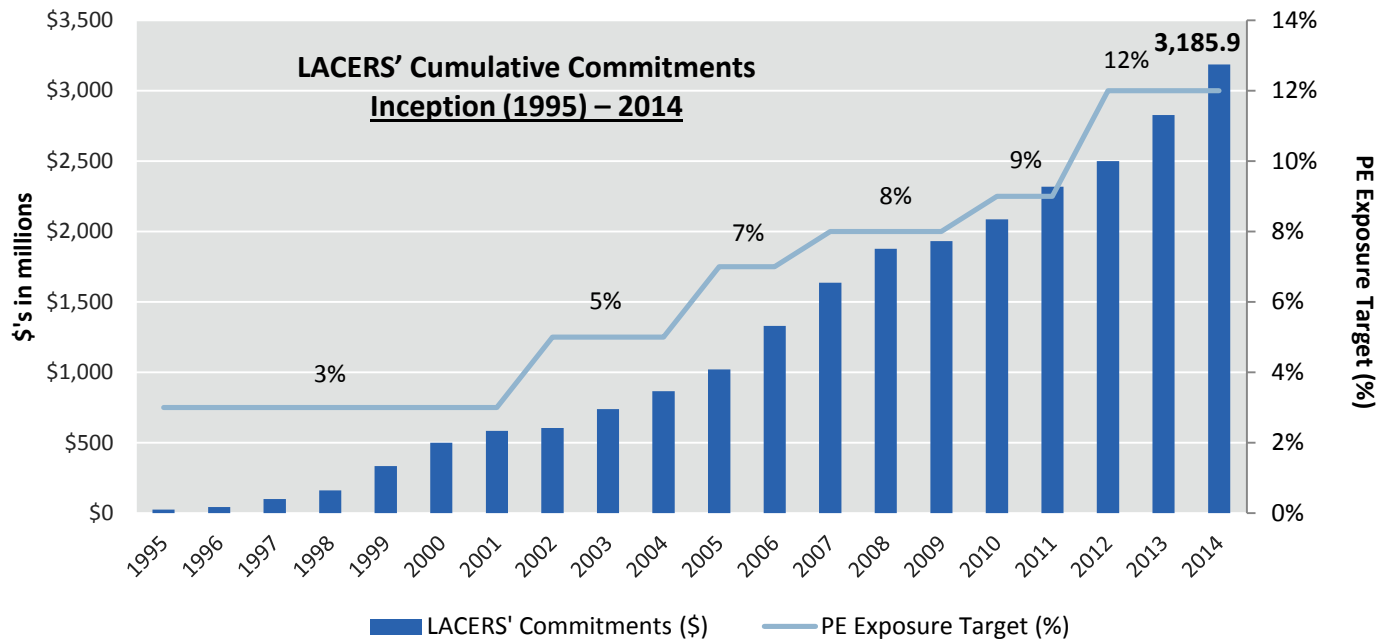
	Contributions	Distributions	Net Cash Flow
\$'s in millions			
1995	(\$1.5)	\$0.0	(\$1.5)
1996	(\$15.8)	\$0.1	(\$15.8)
1997	(\$28.3)	\$0.9	(\$27.3)
1998	(\$33.6)	\$3.3	(\$30.3)
1999	(\$55.9)	\$22.7	(\$33.2)
2000	(\$111.8)	\$47.3	(\$64.5)
2001	(\$52.8)	\$34.2	(\$18.6)
2002	(\$61.2)	\$28.0	(\$33.2)
2003	(\$57.7)	\$58.4	\$0.8
2004	(\$101.7)	\$101.2	(\$0.5)
2005	(\$147.2)	\$112.7	(\$34.6)
2006	(\$193.1)	\$157.7	(\$35.4)
2007	(\$236.1)	\$210.5	(\$25.6)
2008	(\$208.1)	\$79.2	(\$128.9)
2009	(\$100.6)	\$63.1	(\$37.5)
2010	(\$180.2)	\$144.0	(\$36.2)
2011	(\$172.5)	\$210.6	\$38.1
2012	(\$205.2)	\$302.0	\$96.8
2013	(\$139.1)	\$318.6	\$179.5
1H 2014	(\$116.1)	\$163.6	\$47.6
Total Portfolio	(\$2,218.4)	\$2,058.1	(\$160.3)

Strategic Plan Update

As of December 31, 2014

LACERS Private Equity Program

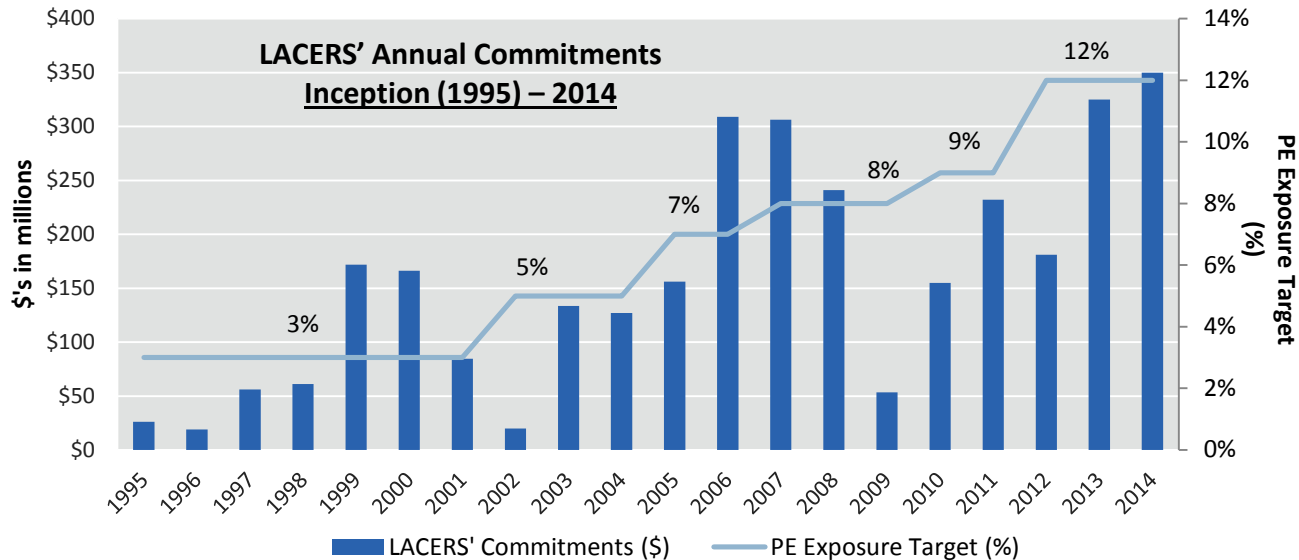
- ◆ LACERS began investing in Private Equity in 1995 with a 3% exposure target and commitments totaling \$26.0 million for that year
- ◆ Since the Program’s inception, LACERS has approved \$3,185.9 million in commitments to 191 partnerships managed by 101 sponsors as of December 31, 2014
 - Plan assets have grown to \$13,951.3 million from \$3,684.9 million at June 30, 1995
- ◆ Currently, the Program has an exposure target of 12%. As of June 30, 2014, adjusted reported value ¹ was \$1,331.7 million, approximately 9.5% of total Plan assets



1) Adjusted Reported Value: Represents reported value as most recently reported by the General Partners, adjusted for net contribution and distribution activity

Commitment Pace

- ◆ LACERS’ historical commitment pace has been inconsistent since the Private Equity Program’s inception. Reasons for this inconsistency include:
 - Liquidity concerns – Global Financial Crisis, 2009 & 2010
 - Robust fundraising markets – Internet Bubble, 1999 & 2000; and Buyout Bubble, 2006 & 2007
 - Slow fundraising markets – 2001 & 2002, 2009 & 2010
- ◆ It is difficult to “market-time” private equity performance. As a result, PA has recommended a consistent annual commitment pace of \$325 to \$350 million per year to optimize the Portfolio’s return potential
 - By maintaining a regular pace of commitments over multiple years, LACERS will avoid over-exposure to high-priced markets and under-exposure to more attractive pricing environments. Additionally, a consistent commitment pace over time will reduce volatility in future cash flows



2014 Commitments

- During 2014, LACERS added \$350 million of commitments with 18 new partnerships to its Aggregate Portfolio (all commitments were made from the Core Portfolio)

Commitments – 1/1/2014 – 12/31/2014						
Closing Date	Partnership	Fund Size (\$'s in millions)	New or Existing Relationship	Investment Strategy	Commitment Amount (\$'s in millions)	Demand for Offering ¹
3/11/2014	DFJ Growth 2013	\$472	New	Growth Equity	\$25	Oversubscribed
3/26/2014	Vista Equity Partners Fund V	\$5,755	Existing	Buyout	\$40	Oversubscribed
4/7/2014	Blue Sea Capital Fund I (Emerging Manager)	\$350	New	Buyout	\$10	Oversubscribed
4/7/2014	Palladium Equity Partners IV	\$1,140	Existing	Buyout	\$25	Oversubscribed
4/30/2014	ABRY Advanced Securities Fund III	\$1,575	New	Special Situations	\$20	Oversubscribed
5/1/2014	Thoma Bravo Fund XI	\$3,662	New	Buyout	\$15	Oversubscribed
5/28/2014	Spark Growth I	\$375	Existing	Venture Capital	\$10	Oversubscribed
6/6/2014	Oak HC / FT Partners (Emerging Manager)	\$400	New	Venture Capital	\$10	Oversubscribed
6/25/2014	Polaris Venture Partners VII	\$450	Existing	Venture Capital	\$25	Oversubscribed
8/8/2014	ABRY Partners VIII	\$1,900	Existing	Buyout	\$25	Oversubscribed
8/14/2014	Stripes Growth Partners III	\$512	New	Venture Capital	\$10	Oversubscribed
9/24/2014	Hellman & Friedman VIII	\$10,900	Existing	Buyout	\$20	Oversubscribed
10/10/2014	Baring Asia Private Equity Fund VI	\$3,650	New	Buyout	\$25	Oversubscribed
10/17/2014	Spire Capital Partners III	\$375	Existing	Buyout	\$10	Fundraising
10/23/2014	Wynnchurch Capital Partners IV	\$1,236	New	Special Situations	\$10	Oversubscribed
10/28/2014	Glendon Opportunities Fund	\$1,000	New	Special Situations	\$20	Oversubscribed
12/18/2014	Natural Gas Partners XI	\$4,500	New	Special Situations	\$25	Oversubscribed
12/23/2014	Insight Venture Partners IX	\$2,750	Existing	Venture Capital	\$25	Oversubscribed
Average		\$2,778		Total	\$350	

1) An oversubscribed fund means there is more investor demand for a fund than the manager of the fund is willing to take. An oversubscribed offering typically reflects investors' desire to invest and view that a manager will achieve top quartile returns. This view is based on investors reviewing past performance and the current offering

2015 Guidelines

- ◆ Continue to work towards 12% Private Equity exposure target
- ◆ \$325 to \$350 million commitment pace for the calendar year
- ◆ 12 to 15 commitments ranging from \$10 million to \$40 million in size
- ◆ Chart below represents LACERS' current sector exposures and Portfolio Advisors' recommended optimal range for each sector

LACERS Portfolio (6/30/2014)		
Sectors	Aggregate Portfolio Exposure ¹	Optimal Range
Buyouts	64%	55-65%
<i>Small/Mid</i>	26%	30-40%
<i>Large/Mega</i>	38%	20-30%
Distressed Debt	7%	5-15%
Mezzanine	1%	0-5%
Secondaries	1%	0-5%
Special Situations	5%	0-10%
Growth Equity	7%	5-15%
Venture Capital	15%	5-15%

1) Aggregate portfolio exposure is based on Adjusted Reported Value ("ARV") as of 6/30/2014. ARV Represents reported value as most recently reported by the General Partners, adjusted for net contribution and distribution activity



2015 Objectives

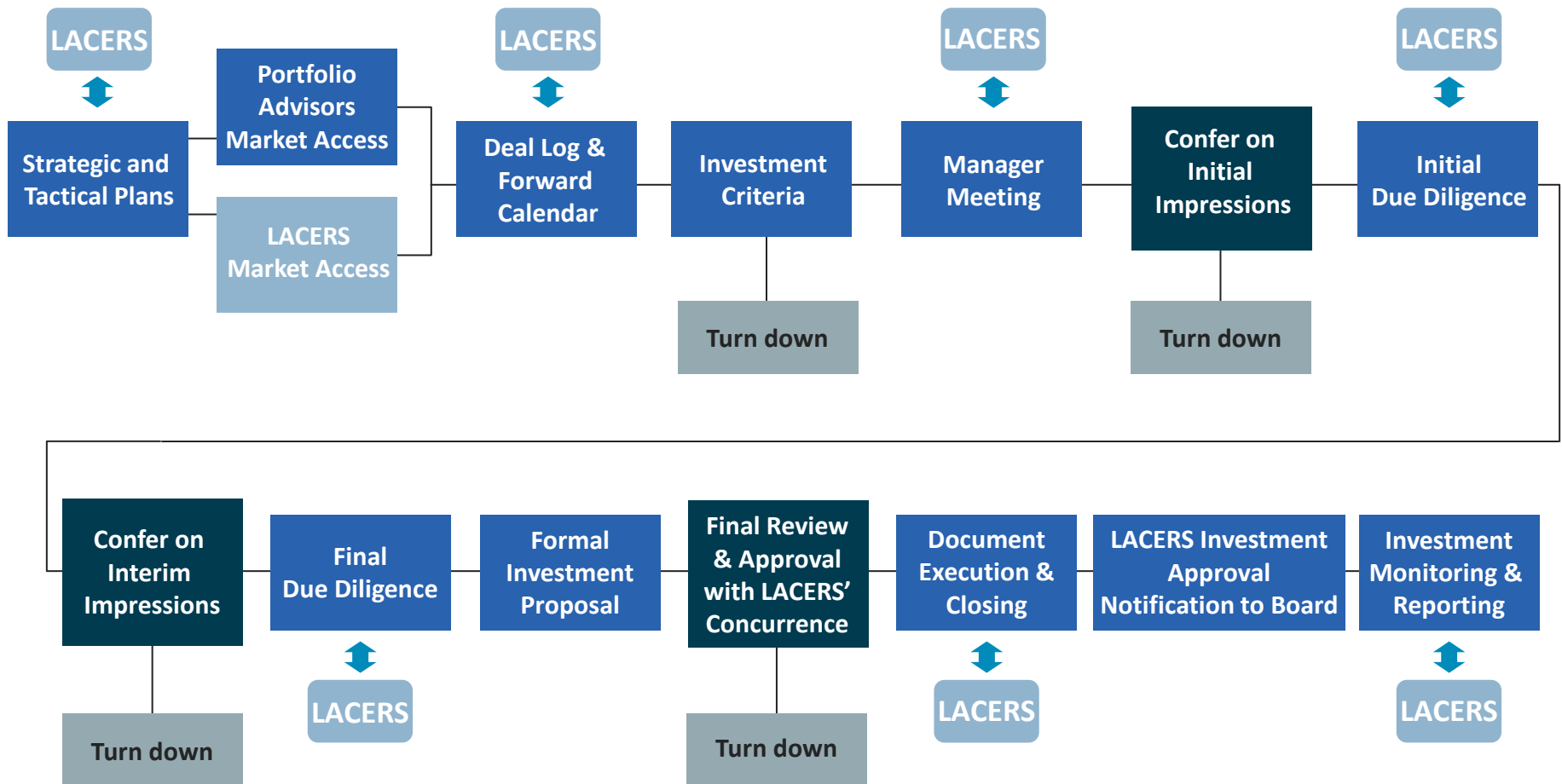
- ◆ Continue to work towards 12% Private Equity exposure target
 - Commit \$325 to \$350 million, which has been confirmed by a commitment pacing study and is consistent with the pace of commitment in 2013 and 2014
 - At a pace of \$325 to \$350 million, LACERS will potentially achieve its 12% exposure target in approximately 4 years (one fundraising cycle)
- ◆ Provide LACERS with access to top-tier sponsors, both existing relationships and new relationships
 - Emphasize middle market and lower middle market buyout managers – increase exposure to optimal range, approximately 35%
 - Selectively invest in mega buyout sponsors – reduce exposure to optimal range, approximately 25%
 - Emphasize middle market and lower middle market distressed debt for control sponsors
 - Opportunistically invest in mezzanine and secondary funds
 - Selectively invest in growth and venture capital sponsors
 - Selectively invest in European and Asian sponsors
 - PA typically targets International exposure of 15% to 35% with an emphasis on Europe and Asia, and little to no exposure to less proven markets
 - Selectively invest in emerging sponsors
- ◆ Emphasize diversification and investment manager selection
 - Forward calendar of sponsors returning to market in 2015 suggests 12 to 15 commitments ranging from \$10 to \$40 million in size

Discussion on Investment Process

Investment Philosophy

- ◆ Conservative approach to an aggressive asset class
- ◆ Diversification
 - Strategy
 - Manager
 - Vintage year
 - Geography
- ◆ Manager selection
 - Target premier primary funds
 - Significant due diligence
 - Quantitative analysis
 - Qualitative analysis
 - Utilize decades of experience and relationships

PA Investment Process ¹

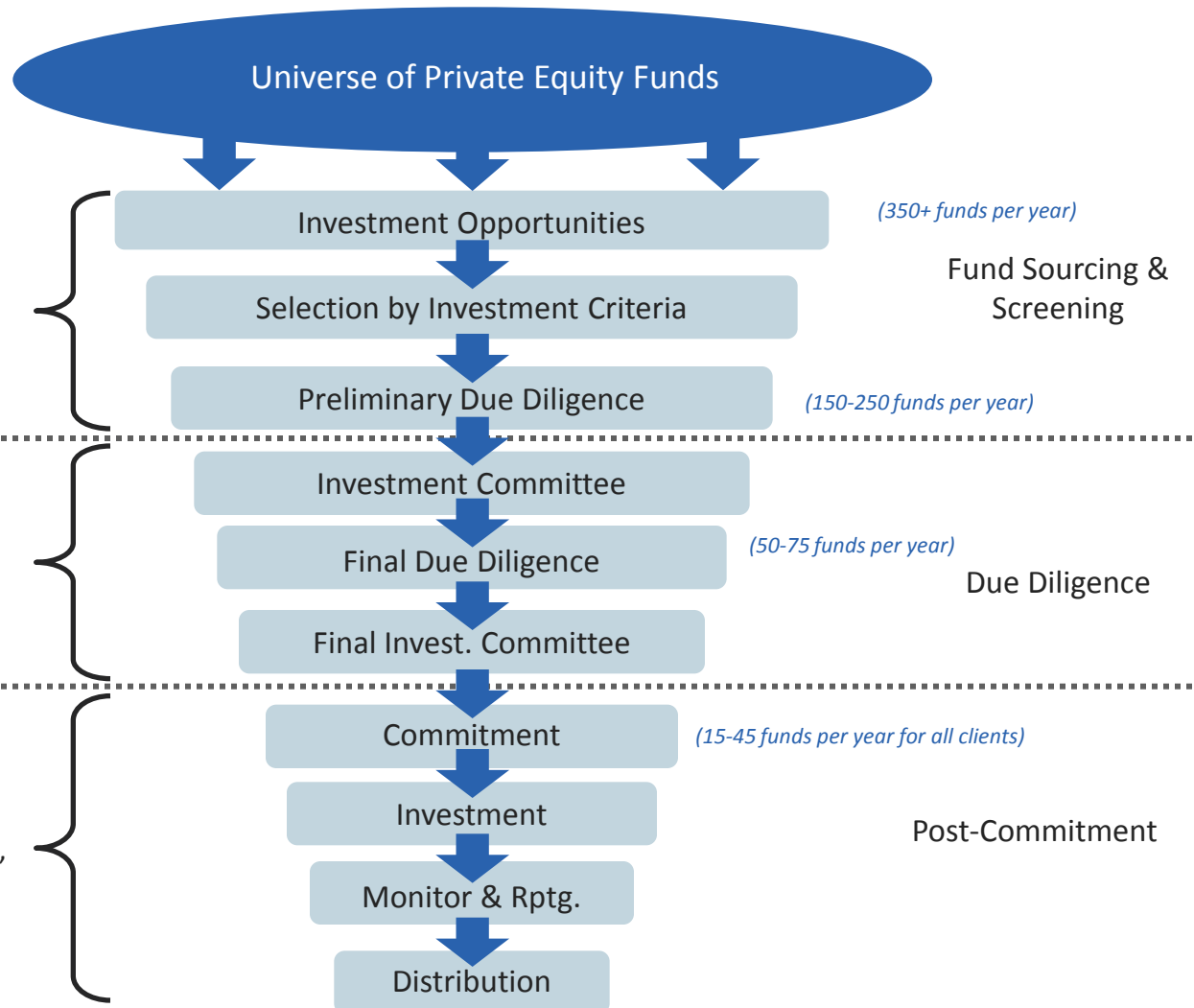


1) Subject to conforming to the specific requirements and desires of LACERS. Hypothetical overview of the investment process. All future investments will not go through entire process as each deal is unique

Due Diligence Process

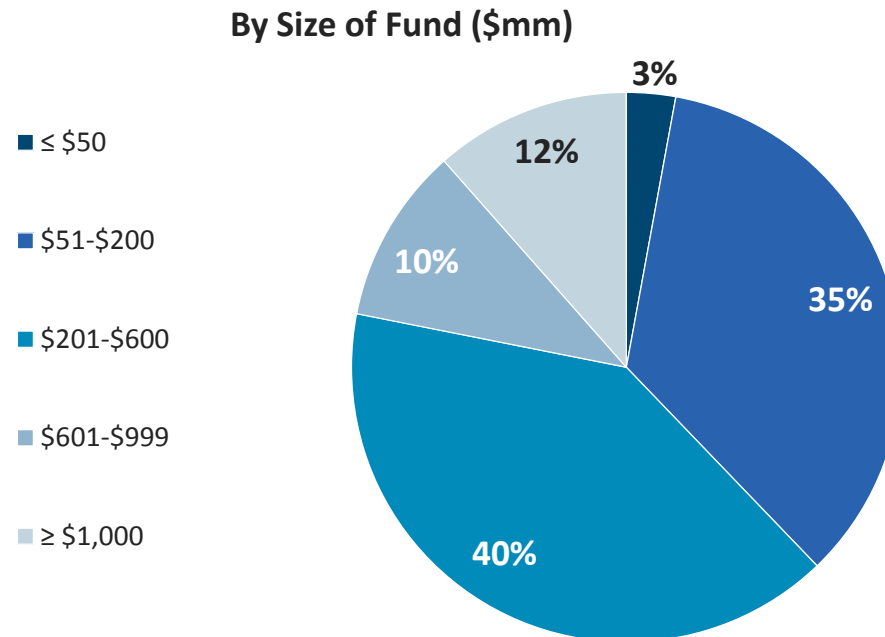
PA's Advantage – Resources and Tools

- Proprietary screening via PRIVILEGe® database (quantitative)
 - Forward calendar
 - Portfolio Advisors network
 - Market research
 - Intermediary relationships
-
- Defined, disciplined procedures
 - Utilize decades of hands-on experience
 - Participation on advisory boards (qualitative network)
 - PA team: > 150 advisory seats
 - PA clients: > 250 advisory seats (est.)
-
- Proprietary systems/reporting
 - Frequent GP and fund reviews
 - Quarterly financial reviews, annual meetings, advisory boards



Deal Flow

- ◆ >1,100 new investments reviewed in the last 3 years ¹
- ◆ >400 new and existing manager meetings last year ¹
- ◆ Investments Reviewed:



1) "Last 3 years" represents years 2010 through 2012 and "last year" represents 2012. There is no guarantee that Portfolio Advisors will have the same opportunity as in the prior three years to (i) review a comparable amount of new investment opportunities in any one or all of these investment types, (ii) review funds of comparable sizes in such investment types, or (iii) interview a comparable number of managers

Emerging Manager Sourcing Process

- ◆ Portfolio Advisors focuses on identifying and developing relationships with emerging managers through the following approaches:
 - Proactively target and contact new emerging managers through ongoing research and networking
 - Regularly attend industry conferences to meet emerging managers, including NAIC Annual Meeting & Convention, GCM Grosvenor Small & Emerging Manager Conference, ConsortiumWEST, New York & Chicago Buyouts, as well as the TRS & ERS Emerging Manager Conference, NYSTERS' MWBE Conference, and ConsortiumEAST in the first half of 2015
 - Assign senior investment professionals to efficiently evaluate and respond to all incoming opportunities in order to streamline the investment process for managers and increase our throughput
 - Leverage referrals from large network of fund managers, placement agents, and other limited partners to ensure engagement with new emerging managers in the market
 - Actively monitor existing relationships with top-tier fund managers to remain ahead of the curve for potential spinouts

- ◆ In addition, PA maintains robust data sets dedicated specifically to emerging managers, allowing us to better:
 - Quantify and track engagement with emerging managers
 - Prioritize the highest potential emerging managers based on overall quality of offering as well as time to market
 - Develop a comprehensive landscape of the emerging manager universe

Emerging Manager Sourcing Results

- ◆ Since September 2013, Portfolio Advisors has been in dialogue with 160 distinct fund managers representing potential fits with the emerging manager program
 - 149 calls / meetings, including 83 since August 2014 with 67 new managers
 - 30 under serious evaluation
 - 2 in advanced dialogue / due diligence
 - 91 deferred
 - 2 new commitments (Blue Sea Capital Fund I & Oak HC / FT Partners)



Fund Due Diligence ¹

- ◆ Initial Process determines the next steps
 - Meet with manager
 - Assign diligence team
 - Conduct preliminary reference checks
 - Request due diligence and legal questionnaires be completed
 - Review due diligence materials
 - Discuss at Investment Committee
 - Arrange for an on-site visit with manager

- ◆ On-Site drills down into key issues relevant to the ultimate decision
 - Investment strategy fits in current environment
 - Appropriateness of fund size
 - Deal sourcing capabilities
 - Perceived ability to produce attractive returns in the future ²
 - Investment process
 - Cohesiveness of investment team
 - Consistency and sustainability of track record
 - Deal attribution within the current team

- ◆ Follow-up items and steps leading to the closing
 - Conduct in-depth “off the list” reference checks utilizing network
 - Cross-reference provided financial data with our internal database information
 - Finalize the investment recommendation
 - Analyze and negotiate deal terms
 - Decide on appropriate investment amount
 - Review and comment on legal documentation

1) The foregoing descriptions depict PA's general investment due diligence process, however, each investment is unique and certain variations are possible

2) Past performance is not indicative of future returns and investor may lose some or all of their investment

Fund Screening

- ◆ PA utilizes its rigorous due diligence process to screen and select fund managers based upon certain qualifications that are particularly important. These qualifications apply to brand-name funds as well as first-time funds and general partner reconstitutions. These qualifications include:
 - Experience of the management team
 - Historical track record of performance
 - Organization of the manager/general partner
 - Continuity of the management team
 - Common objectives/alignment of interests
 - Reputation of the manager/principals

Evaluation of Key Investment Criteria

◆ Established Managers

- Team / Organization
 - Turnover and instability
 - Key man risk / depth of bench beyond Principals
 - Weak alignment of interests with LPs
 - Organizational growth beyond core platform and team
- Strategy
 - Evaluate consistency with prior investment activity and / or success
 - Significant increase in fund size
 - Slow investment pace or lack of discipline
 - Appropriateness in current environment
 - Differentiation and incremental ability to enhance existing portfolio
 - Evaluate rationale behind losses
- Track Record
 - Deal attribution
 - Limited liquidity / lack of successful realizations
 - Evaluate consistency of returns / loss rates
 - Skepticism in perceived ability to produce attractive returns in the future based on material changes to team, strategy, fund size, et al.
- Terms and Conditions

◆ Emerging Managers

- Team / Organization
 - Size and capacity of team
 - Relevance and depth of experience
 - Limited working relationships among team members
 - Adequacy of networks and deal sourcing capabilities
 - Relative experience in building an organization and managing other professionals
 - Implementation of best practices and institutional quality (e.g., investor reporting, valuation methodology, third-party auditing, compliance with SEC / regulations)
- Strategy
 - Evaluate consistency with prior investment activity and/or success
 - Appropriateness in current environment
 - Differentiation and incremental ability to enhance existing portfolio
- Track Record
 - Limited number of proof points to evaluate
 - Lack of realizations
 - Appropriateness of valuation of unrealized portfolio
 - Attribution issues
- Terms and Conditions

Investment Monitoring

- ◆ Portfolio requires active monitoring of the activities and performance of each underlying portfolio fund
 - Maintain regular contact with manager
 - Attend scheduled advisory board and/or annual fund meetings
 - Conduct impromptu update meetings and establish frequent phone contact
 - Utilize proprietary monitoring and reporting system to monitor financial performance

Appendix

Core Portfolio Summary as of 6/30/14

Investment Name	Vintage Year	Investment Strategy	Capital Commitment	Paid-In Capital	Capital Distributions	Reported Value ¹	Net IRR ²
ABRY Advanced Securities III, LP	2014	Special Situations	\$20,000,000	\$190,461	\$0	\$108,336	0.0%
ACON Equity Partners III, LP	2012	Buyout - Mid	\$20,000,000	\$8,418,293	\$35,141	\$9,010,828	9.0%
ACON-Bastion Partners II, LP	2006	Buyout - Small	\$5,000,000	\$4,624,919	\$5,333,495	\$2,526,370	12.9%
Advent International Global Private Equity VII-B LP	2012	Buyout - Large	\$30,000,000	\$12,120,000	\$300,000	\$16,266,586	34.6%
Advent International GPE VI-A, L.P.	2008	Buyout - Large	\$20,000,000	\$18,980,000	\$10,896,218	\$22,952,532	19.8%
AION Capital Partners Ltd.	2012	Special Situations	\$20,000,000	\$3,896,727	\$29,071	\$4,078,497	7.7%
Alchemy Investment Plan	1999	Buyout - Small	\$38,194,245	\$40,157,132	\$44,695,898	\$5,075,359	5.8%
American Securities Opportunities Fund II, L.P.	2010	Distressed Debt - Control	\$20,000,000	\$15,814,141	\$5,605,303	\$15,357,867	12.7%
American Securities Opportunities Fund III, L.P.	2013	Distressed Debt - Multi	\$30,000,000	\$0	\$0	\$0	0.0%
Apollo Investment Fund IV, LP	1998	Buyout - Large	\$5,000,000	\$4,989,241	\$8,315,959	\$36,972	8.5%
Apollo Investment Fund VI, LP	2005	Buyout - Mega	\$15,000,000	\$14,372,999	\$14,044,235	\$10,735,667	10.5%
Apollo Investment Fund VII, LP	2008	Buyout - Mega	\$20,000,000	\$15,495,719	\$18,742,008	\$13,877,291	26.5%
Apollo Investment Fund VIII, LP	2013	Buyout - Mega	\$40,000,000	\$1,765,245	\$0	\$1,308,567	-56.5%
Austin Ventures VII, LP	1999	Venture Capital - Multi	\$17,000,000	\$17,000,000	\$12,738,324	\$1,197,679	-2.6%
Austin Ventures VIII, LP	2001	Venture Capital - Multi	\$8,300,000	\$8,300,000	\$10,420,974	\$2,516,270	6.3%
Avenue Europe Special Situations Fund II, L.P.	2011	Dist. Debt - Non-Control	\$28,410,716	\$24,248,226	\$0	\$29,545,163	12.9%
Avenue Special Situations IV, LP	2006	Dist. Debt - Non-Control	\$10,000,000	\$10,000,000	\$13,764,475	\$75,047	8.3%
Avenue Special Situations V, LP	2007	Dist. Debt - Non-Control	\$10,000,000	\$9,950,262	\$13,288,908	\$14,884	11.5%
BC European Capital IX, LP	2011	Buyout - Mega	\$19,892,508	\$10,147,800	\$246,322	\$11,786,581	12.5%
Blackstone Capital Partners V, LP	2006	Buyout - Mega	\$20,000,000	\$19,011,570	\$10,843,901	\$18,603,694	7.8%
Blackstone Capital Partners VI, LP	2011	Buyout - Mega	\$20,000,000	\$9,722,517	\$858,168	\$11,302,262	19.2%
Blackstone Energy Partners	2011	Buyout - Mid	\$25,000,000	\$12,207,641	\$2,420,083	\$18,442,707	46.2%
Blue Sea Capital Fund I	2013	Buyout - Small	\$10,000,000	\$84,783	\$0	\$29,251	-99.8%
Cardinal Health III, LP	2006	Venture Capital - Early	\$15,000,000	\$13,881,321	\$33,348	\$17,913,302	7.8%
Carlyle Partners IV, LP	2005	Buyout - Mega	\$20,000,000	\$19,350,553	\$33,328,843	\$5,804,468	13.2%

1) Reported Value: Represents reported value as most recently reported by the General Partners

2) Net IRR Since Inception as of 6/30/2014

Core Portfolio Summary as of 6/30/14

Investment Name	Vintage Year	Investment Strategy	Capital Commitment	Paid-In Capital	Capital Distributions	Reported Value ¹	Net IRR ²
Carlyle Partners V, LP	2007	Buyout - Mega	\$30,000,000	\$26,754,963	\$15,432,801	\$27,411,546	14.1%
CGW Southeast Partners III, LP	1996	Buyout - Small	\$8,680,144	\$8,680,144	\$14,736,448	\$0	9.2%
CGW Southeast Partners IV, LP	1999	Buyout - Small	\$10,000,000	\$8,707,914	\$13,134,247	\$266,260	8.3%
Charterhouse Capital IX, L.P.	2009	Buyout - Large	\$18,928,283	\$14,263,570	\$5,595,643	\$14,771,044	17.1%
Charterhouse Capital Partners VIII, L.P.	2006	Buyout - Large	\$20,931,425	\$19,277,932	\$10,363,602	\$9,133,701	0.2%
Chisholm Partners IV, LP	1999	Buyout - Small	\$9,000,000	\$8,841,055	\$9,205,542	\$154,600	0.7%
CHS Private Equity V, LP	2005	Buyout - Mid	\$20,000,000	\$20,076,299	\$17,103,861	\$15,380,633	9.5%
Coller International Partners VI, LP	2011	Secondaries	\$25,000,000	\$8,865,477	\$1,183,500	\$11,717,844	30.5%
CVC European Equity Partners I, LP	1996	Buyout - Mid	\$10,000,000	\$9,687,206	\$24,309,668	\$65,486	23.4%
CVC European Equity Partners II, L.P.	1998	Buyout - Large	\$10,000,000	\$9,212,371	\$21,559,519	\$381,604	19.1%
CVC European Equity Partners III, LP	2001	Buyout - Large	\$15,000,000	\$14,324,324	\$41,315,929	\$671,694	41.5%
CVC European Equity Partners IV, L.P. (EUR)	2005	Buyout - Mega	\$26,397,911	\$23,197,422	\$35,687,833	\$9,322,994	17.2%
CVC European Equity Partners V, LP (EUR)	2008	Buyout - Mega	\$19,171,693	\$16,752,442	\$7,687,275	\$15,353,782	12.1%
DFJ Growth 2013, L.P.	2013	Venture Capital - Early	\$25,000,000	\$7,090,992	\$0	\$6,672,983	-29.3%
EIG Energy Fund XVI	2013	Special Situations	\$25,000,000	\$3,187,500	\$0	\$2,584,589	-40.7%
EnCap Energy Capital Fund VIII, LP	2010	Special Situations	\$15,000,000	\$10,225,421	\$1,085,941	\$14,365,960	29.7%
EnCap Energy IX	2012	Special Situations	\$30,000,000	\$5,679,861	\$0	\$7,907,417	62.1%
Energy Capital Partners II-A, LP	2009	Special Situations	\$20,000,000	\$14,735,840	\$3,778,023	\$22,522,564	26.2%
Energy Capital Partners III-A, LP	2013	Special Situations	\$40,000,000	\$1,994,836	\$0	\$1,633,307	-69.9%
Enhanced Equity Fund II, L.P.	2010	Buyout - Small	\$10,000,000	\$6,242,779	\$1,711,844	\$4,054,659	-4.3%
Enhanced Equity Fund, L.P.	2006	Buyout - Small	\$10,000,000	\$10,000,000	\$5,323,143	\$8,545,407	6.1%
Essex Woodlands Health Ventures IV, LP	1998	Venture Capital - Early	\$4,000,000	\$4,000,000	\$4,918,637	\$593,246	7.4%
Essex Woodlands Health Ventures V, LP	2000	Venture Capital - Multi	\$10,000,000	\$10,000,000	\$10,396,425	\$3,259,865	6.5%
Essex Woodlands Health Ventures VI, LP	2004	Venture Capital - Multi	\$15,000,000	\$14,587,500	\$6,317,748	\$9,967,397	1.8%
FIMI Opportunity V	2012	Buyout - Small	\$20,000,000	\$5,654,621	\$0	\$5,485,000	-3.8%

1) Reported Value: Represents reported value as most recently reported by the General Partners

2) Net IRR Since Inception as of 6/30/2014

Core Portfolio Summary as of 6/30/14

Investment Name	Vintage Year	Investment Strategy	Capital Commitment	Paid-In Capital	Capital Distributions	Reported Value ¹	Net IRR ²
First Reserve Fund X, LP	2004	Buyout - Mid	\$20,000,000	\$20,000,000	\$35,249,631	\$1,521,355	30.9%
First Reserve Fund XI, LP	2006	Buyout - Mega	\$30,000,000	\$30,000,000	\$16,994,867	\$18,192,865	3.8%
First Reserve Fund XII, LP	2008	Buyout - Mega	\$25,000,000	\$23,295,317	\$8,222,238	\$20,291,617	6.3%
Golder, Thoma, Cressey, Rauner Fund V LP	1997	Buyout - Mid	\$10,000,000	\$10,000,000	\$18,226,074	\$0	11.0%
Green Equity Investors V, LP	2007	Buyout - Large	\$20,000,000	\$18,756,712	\$16,806,537	\$17,574,627	21.1%
Green Equity Investors VI, LP	2012	Buyout - Large	\$20,000,000	\$6,013,714	\$65,834	\$6,394,747	9.7%
GTCR Fund IX, LP	2006	Buyout - Mid	\$15,000,000	\$13,907,987	\$10,913,592	\$11,919,671	13.4%
GTCR Fund VI, LP	1998	Buyout - Mid	\$10,000,000	\$10,000,000	\$8,645,950	\$254,386	-3.9%
GTCR Fund VII, LP	2000	Buyout - Mid	\$18,750,000	\$18,609,375	\$43,796,231	\$68,252	22.0%
GTCR Fund VII/A, LP	2000	Buyout - Mid	\$6,250,000	\$4,140,625	\$11,565,815	\$0	78.9%
GTCR Fund VIII, LP	2003	Buyout - Mid	\$20,000,000	\$18,514,560	\$27,118,912	\$3,418,721	22.6%
Halifax Capital Partners II, LP	2005	Buyout - Small	\$10,000,000	\$7,337,050	\$7,390,954	\$6,373,781	15.6%
Hellman & Friedman Capital Partners V, LP	2004	Buyout - Large	\$11,000,000	\$9,927,945	\$25,198,678	\$1,480,647	28.0%
Hellman & Friedman Capital Partners VI, LP	2007	Buyout - Mega	\$20,000,000	\$19,137,270	\$22,095,201	\$11,119,006	13.1%
Hellman & Friedman Capital Partners VII, LP	2011	Buyout - Mega	\$20,000,000	\$12,754,948	\$954,266	\$13,839,880	11.4%
High Road Capital Partners II	2013	Buyout - Small	\$25,000,000	\$4,186,399	\$0	\$4,692,034	19.6%
Highbridge Principal Strategies Senior Loan Fund II	2010	Special Situations	\$50,000,000	\$40,883,273	\$47,651,965	\$0	8.0%
Hony Capital Fund V, L.P.	2011	Buyout - Mid	\$25,000,000	\$8,467,874	\$0	\$10,067,532	17.3%
Insight Venture Partners VIII, LP	2013	Growth Equity	\$20,000,000	\$13,460,000	\$0	\$13,199,461	-4.7%
InterWest Partners VI, LLC	1996	Venture Capital - Early	\$5,000,000	\$5,000,000	\$14,858,749	\$0	48.9%
J.H. Whitney IV, LP	1999	Growth Equity	\$22,448,463	\$22,448,463	\$8,713,071	\$528,398	-11.9%
J.H. Whitney VI, LP	2005	Buyout - Small	\$15,000,000	\$14,878,652	\$10,901,845	\$9,568,957	6.7%
J.H. Whitney VII, LP	2010	Buyout - Small	\$25,000,000	\$15,270,055	\$2,663,196	\$14,165,633	5.9%
Kelso Investment Associates VI, LP	1998	Buyout - Mid	\$4,309,418	\$4,309,418	\$5,982,794	\$0	9.3%
Kelso Investment Associates VII, LP	2004	Buyout - Mid	\$18,000,000	\$17,105,368	\$27,888,762	\$2,383,346	13.2%

1) Reported Value: Represents reported value as most recently reported by the General Partners

2) Net IRR Since Inception as of 6/30/2014

Core Portfolio Summary as of 6/30/14

Investment Name	Vintage Year	Investment Strategy	Capital Commitment	Paid-In Capital	Capital Distributions	Reported Value ¹	Net IRR ²
Kelso Investment Associates VIII, LP	2007	Buyout - Large	\$20,000,000	\$16,514,864	\$2,274,606	\$18,510,191	8.8%
Khosla Ventures IV, L.P.	2011	Venture Capital - Early	\$20,000,000	\$12,400,000	\$1,017,964	\$14,877,401	20.0%
KKR 1996 Fund LP	1996	Buyout - Mega	\$25,000,000	\$26,194,438	\$46,838,314	\$0	13.2%
KKR 2006 Fund, LP	2006	Buyout - Mega	\$30,000,000	\$28,988,159	\$20,597,993	\$24,117,797	9.1%
KKR European Fund II	2005	Buyout - Large	\$15,000,000	\$15,549,458	\$13,763,929	\$7,451,008	5.2%
KPS Special Situations IV	2013	Buyout - Mid	\$25,000,000	\$2,053,119	\$0	\$2,030,534	-17.7%
Levine Leichtman Capital Partners III, LP	2003	Buyout - Small	\$20,000,000	\$21,392,254	\$20,022,365	\$11,598,530	10.3%
Levine Leichtman Capital Partners IV, LP	2008	Buyout - Mid	\$20,000,000	\$14,920,644	\$13,066,525	\$14,588,505	22.1%
Levine Leichtman V	2013	Buyout - Mid	\$30,000,000	\$3,747,676	\$0	\$3,307,723	-16.6%
Lindsay Goldberg & Bessemer II, LP	2006	Buyout - Large	\$20,000,000	\$18,428,297	\$17,152,807	\$11,160,391	8.9%
Lindsay Goldberg III, LP	2008	Buyout - Large	\$20,000,000	\$15,271,696	\$4,655,913	\$14,329,057	10.0%
Madison Dearborn Capital Partners III, LP	1999	Buyout - Large	\$16,000,000	\$16,000,000	\$24,398,778	\$0	8.6%
Madison Dearborn Capital Partners IV, LP	2000	Buyout - Large	\$25,000,000	\$25,174,337	\$44,120,575	\$4,169,087	14.6%
Menlo Ventures IX, LP	2001	Venture Capital - Multi	\$20,000,000	\$20,000,000	\$16,291,004	\$4,469,482	0.7%
Menlo Ventures VII, LP	1997	Venture Capital - Multi	\$5,000,000	\$5,000,000	\$23,552,033	\$0	136.0%
Menlo Ventures VIII, LP	1999	Venture Capital - Multi	\$18,000,000	\$18,000,000	\$6,511,329	\$1,761,065	-11.2%
Nautic Partners V, LP	2000	Buyout - Mid	\$15,000,000	\$14,469,446	\$28,162,281	\$2,261,225	17.3%
New Enterprise Associates XIII, LP	2009	Venture Capital - Multi	\$15,000,000	\$12,900,000	\$5,562,470	\$15,775,009	20.5%
New Mountain Partners III, LP	2007	Buyout - Large	\$20,000,000	\$17,646,651	\$5,134,679	\$19,141,009	10.0%
Newbridge Asia IV, LP	2005	Growth Equity	\$10,000,000	\$9,965,690	\$15,512,679	\$6,582,615	17.6%
Nordic Capital V, L.P.	2004	Buyout - Mid	\$14,043,460	\$14,297,565	\$40,660,937	\$2,217,721	21.2%
Oak HC / FT Partners, L.P.	2014	Venture Capital - Late	\$10,000,000	\$0	\$0	\$0	0.0%
Oak Investment Partners XII, LP	2006	Growth Equity	\$15,000,000	\$15,000,000	\$5,907,804	\$12,742,361	4.8%
OCM Opportunities Fund II, LP	1997	Dist. Debt - Non-Control	\$11,000,000	\$11,000,000	\$16,619,202	\$10,159	8.5%
OCM Opportunities Fund III, LP	1999	Dist. Debt - Non-Control	\$10,000,000	\$10,000,000	\$14,908,898	\$110,594	11.9%

1) Reported Value: Represents reported value as most recently reported by the General Partners

2) Net IRR Since Inception as of 6/30/2014

Core Portfolio Summary as of 6/30/14

Investment Name	Vintage Year	Investment Strategy	Capital Commitment	Paid-In Capital	Capital Distributions	Reported Value ¹	Net IRR ²
OCM Opportunities Fund V, LP	2004	Dist. Debt - Non-Control	\$7,100,000	\$7,100,000	\$11,072,069	\$658,089	14.3%
OCM Opportunities Fund VII, LP	2007	Dist. Debt - Non-Control	\$10,000,000	\$10,000,000	\$11,741,173	\$2,272,785	8.3%
OCM Opportunities Fund VIIb, LP	2008	Dist. Debt - Non-Control	\$9,000,000	\$9,000,000	\$13,701,010	\$2,336,009	18.2%
OCM Opportunities Fund, LP	1996	Dist. Debt - Non-Control	\$11,000,000	\$10,972,896	\$18,030,431	\$0	10.3%
OCM Opportunities IV, LP	2001	Dist. Debt - Non-Control	\$10,000,000	\$10,000,000	\$16,472,801	\$24,668	28.6%
Olympus Growth Fund IV, LP	2003	Buyout - Small	\$7,700,000	\$7,507,730	\$8,386,476	\$3,318,618	9.0%
Onex Partners, LP	2003	Buyout - Mid	\$20,000,000	\$18,981,014	\$46,148,288	\$11,469,092	39.0%
Palladium Equity Partners IV, LP	2012	Buyout - Mid	\$25,000,000	\$3,102,645	\$104,066	\$3,191,841	111.6%
Permira Europe III (EUR), LP	2004	Buyout - Large	\$21,557,131	\$21,224,254	\$29,905,571	\$7,294,895	26.9%
Permira Europe IV (EUR), LP	2006	Buyout - Mega	\$15,096,348	\$14,132,361	\$9,409,846	\$11,783,840	8.7%
Pharos Capital Partners II-A, LP	2005	Buyout - Small	\$5,000,000	\$4,950,000	\$2,638,193	\$5,312,954	9.8%
Platinum Equity Capital Partners III, LP	2012	Distressed Debt - Control	\$25,000,000	\$7,418,626	\$4,216,673	\$6,814,615	35.4%
Polaris Venture Partners V, LP	2006	Venture Capital - Multi	\$15,000,000	\$14,700,000	\$8,670,995	\$13,543,415	10.4%
Polaris Venture Partners VI, LP	2010	Venture Capital - Multi	\$15,000,000	\$9,450,000	\$1,041,710	\$10,538,956	25.0%
Polaris Venture Partners VII, LP	2014	Venture Capital - Multi	\$25,000,000	\$0	\$0	\$0	0.0%
Providence Debt Fund III, LP	2013	Dist. Debt - Non-Control	\$30,000,000	\$7,879,378	\$0	\$8,218,643	15.5%
Providence Equity Partners V, LP	2005	Buyout - Large	\$18,000,000	\$16,446,246	\$12,631,976	\$7,874,111	3.5%
Providence Equity Partners VI, LP	2007	Buyout - Mega	\$30,000,000	\$26,891,870	\$13,317,195	\$22,518,360	6.2%
Providence TMT Debt Opportunity Fund II, LP	2010	Distressed Debt - Control	\$20,000,000	\$18,812,512	\$5,717,022	\$20,593,899	13.1%
Richland Ventures III, LP	1999	Venture Capital - Late	\$18,000,000	\$18,000,000	\$15,261,276	\$0	-3.0%
Spark Capital Growth Fund, L.P.	2014	Venture Capital - Multi	\$10,000,000	\$0	\$0	\$0	0.0%
Spark Capital I, LP	2005	Venture Capital - Early	\$9,000,000	\$8,730,000	\$10,980,481	\$1,281,001	8.6%
Spark Capital II, LP	2008	Venture Capital - Early	\$9,750,000	\$9,218,625	\$34,636,671	\$3,952,933	54.2%
Spark Capital III, LP	2011	Venture Capital - Early	\$10,000,000	\$7,375,000	\$0	\$15,724,262	48.6%
SSG Capital Partners II, LP	2012	Distressed Debt - Multi	\$15,914,286	\$12,261,478	\$953,500	\$14,040,109	20.6%

1) Reported Value: Represents reported value as most recently reported by the General Partners

2) Net IRR Since Inception as of 6/30/2014

Core Portfolio Summary as of 6/30/14

Investment Name	Vintage Year	Investment Strategy	Capital Commitment	Paid-In Capital	Capital Distributions	Reported Value ¹	Net IRR ²
TA X, LP	2006	Growth Equity	\$6,000,000	\$6,186,689	\$4,521,689	\$3,282,201	5.3%
TA XI, LP	2010	Growth Equity	\$20,000,000	\$12,850,000	\$4,350,000	\$14,198,686	18.1%
TCV VIII, LP	2014	Growth Equity	\$30,000,000	\$1,513,224	\$0	\$1,313,486	-40.4%
TCW/Crescent Mezzanine Partners IV, LP	2006	Mezzanine	\$10,000,000	\$8,712,805	\$8,861,913	\$2,440,886	5.5%
TCW/Crescent Mezzanine Partners V, LP	2008	Mezzanine	\$10,000,000	\$9,153,659	\$8,003,017	\$4,101,098	11.0%
Technology Crossover Ventures V, LP	2004	Venture Capital - Multi	\$19,500,000	\$19,312,800	\$25,958,020	\$8,354,036	11.5%
Technology Crossover Ventures VII, LP	2008	Growth Equity	\$20,000,000	\$19,170,000	\$12,230,407	\$21,048,211	21.5%
The Resolute Fund, LP	2002	Buyout - Mid	\$20,000,000	\$18,932,082	\$40,054,112	\$5,284,571	16.8%
Thoma Bravo XI	2014	Buyout - Mid	\$15,000,000	\$480,046	\$0	\$470,738	0.0%
Thoma Cressey Fund VI, LP	1998	Buyout - Small	\$5,000,000	\$4,845,000	\$4,935,533	\$99,175	0.5%
Thomas H. Lee Equity Fund V, LP	2000	Buyout - Large	\$15,000,000	\$15,255,689	\$24,693,196	\$1,786,878	14.3%
Tibbar Holdings, LLC (FKA TH Lee IV)	1998	Buyout - Large	\$7,000,000	\$6,314,197	\$5,484,109	\$0	-2.6%
TPG Growth II, LP	2011	Buyout - Mid	\$30,000,000	\$14,292,432	\$76,331	\$19,665,536	34.0%
TPG Partners III, LP	1999	Buyout - Large	\$21,458,107	\$22,442,286	\$55,778,018	\$751,228	24.6%
TPG Partners IV, LP	2003	Buyout - Large	\$23,256,237	\$27,436,973	\$44,526,144	\$8,817,038	16.1%
TPG Partners V, LP	2006	Buyout - Mega	\$30,000,000	\$31,422,428	\$16,044,347	\$23,936,524	4.9%
TPG Partners VI, LP	2008	Buyout - Mega	\$22,500,000	\$21,512,790	\$7,812,592	\$21,033,915	11.9%
TPG Star, LP	2007	Buyout - Mid	\$20,000,000	\$19,742,030	\$12,800,607	\$19,271,479	14.1%
Trident Capital Fund V, LP (LACERS Secondary)	2003	Venture Capital - Multi	\$3,781,680	\$3,374,683	\$3,646,441	\$2,898,962	13.4%
Trident Capital Fund VI, LP	2004	Venture Capital - Multi	\$8,500,000	\$8,500,000	\$2,516,365	\$5,660,910	-0.7%
Trident Capital Fund-V, LP	2000	Venture Capital - Multi	\$10,587,999	\$10,627,045	\$9,756,140	\$8,116,555	8.6%
VantagePoint Venture Partners IV (Q), LP	2000	Venture Capital - Multi	\$15,000,000	\$15,000,000	\$11,010,749	\$4,216,180	0.2%
Vestar Capital Partners IV, LP	1999	Buyout - Mid	\$16,806,233	\$16,576,540	\$27,290,102	\$2,405,353	13.7%
Vista Equity Fund IV	2012	Buyout - Mid	\$30,000,000	\$26,000,161	\$55,621	\$30,166,315	11.6%
Vista Equity Fund V	2014	Buyout - Mid	\$40,000,000	\$1,621,619	\$0	\$1,488,135	-64.3%

1) Reported Value: Represents reported value as most recently reported by the General Partners

2) Net IRR Since Inception as of 6/30/2014

Core Portfolio Summary as of 6/30/14

Investment Name	Vintage Year	Investment Strategy	Capital Commitment	Paid-In Capital	Capital Distributions	Reported Value ¹	Net IRR ²
Vista Equity Partners Fund III, LP	2007	Buyout - Mid	\$25,000,000	\$23,759,262	\$45,587,577	\$14,794,536	28.5%
Vista Foundation Fund II, LP	2013	Buyout - Small	\$10,000,000	\$2,127,900	\$0	\$1,861,061	-49.2%
Welsh, Carson, Anderson & Stowe IX, LP	2000	Buyout - Large	\$15,000,000	\$14,850,000	\$22,102,216	\$2,194,508	11.1%
Welsh, Carson, Anderson & Stowe VII, LP	1995	Buyout - Large	\$15,000,000	\$15,000,000	\$32,633,357	\$0	17.7%
Welsh, Carson, Anderson & Stowe VIII, LP	1998	Buyout - Large	\$15,000,000	\$15,000,000	\$19,300,384	\$18,438	3.1%
Weston Presidio Capital IV, LP	2000	Growth Equity	\$15,000,000	\$14,764,721	\$16,457,007	\$460,077	2.6%
Weston Presidio Capital IV, LP (LACERS Secondary)	2003	Growth Equity	\$2,826,000	\$2,772,810	\$3,337,106	\$93,249	4.8%
Whitney V, LP	2000	Buyout - Mid	\$9,957,358	\$11,558,159	\$22,375,756	\$0	23.1%
Yucaipa American Alliance Fund II, LP	2008	Buyout - Mid	\$20,000,000	\$19,163,494	\$5,739,762	\$28,737,180	16.4%
Total Portfolio			\$2,817,999,646	\$2,044,515,478	\$1,988,402,591	\$1,200,786,379	12.1%

1) Reported Value: Represents reported value as most recently reported by the General Partners

2) Net IRR Since Inception as of 6/30/2014

Specialized Portfolio Summary as of 6/30/14

Investment Name	Vintage Year	Investment Strategy	Focus	Capital Commitment	Paid-In Capital	Capital Distributions	Reported Value ¹	Net IRR ²
Angeleno Investors III, LP	2010	Venture Capital	Energy/Clean Tech	\$10,000,000	\$5,859,271	\$0	\$5,607,316	-2.7%
Ares Special Situations Fund, LP	2008	Distressed Debt	Distressed Debt	\$10,000,000	\$10,171,330	\$15,094,668	\$2,045,920	13.0%
Carpenter Community BancFund-A, LP	2008	Growth Equity	Community Banks	\$10,000,000	\$9,500,756	\$343,739	\$12,845,022	8.2%
Craton Equity Investors I, L.P.	2006	Growth Equity	Clean Tech	\$10,000,000	\$9,973,960	\$26,210	\$4,487,603	-18.0%
DFJ Element, L.P.	2006	Venture Capital	Clean Tech	\$8,000,000	\$7,846,106	\$105,822	\$5,547,419	-5.7%
DFJ Frontier Fund II, L.P.	2007	Venture Capital	Clean Tech	\$5,000,000	\$4,502,783	\$432,113	\$6,641,403	12.5%
Element Partners II, LP	2008	Venture Capital	Underserved California	\$10,000,000	\$7,514,707	\$29,761	\$9,400,100	8.0%
NGEN II	2005	Venture Capital	Clean Tech: Materials	\$7,750,702	\$7,750,702	\$446,935	\$153,356	-56.8%
NGEN III	2008	Venture Capital	Clean Tech: Materials	\$10,000,000	\$7,811,675	\$147,415	\$7,559,925	-0.5%
Nogales Investors Fund II, LP	2006	Buyout	Lower Middle Market	\$10,000,000	\$3,534,293	\$0	\$2,289,022	-8.5%
Palladium Equity Partners III, LP	2004	Buyout	Hispanic-oriented	\$10,000,000	\$9,441,201	\$8,426,872	\$10,529,109	15.1%
Reliant Equity Partners	2002	Buyout	Minority Focused	\$7,920,417	\$8,008,449	\$55,772	\$0	-100.0%
Rustic Canyon/Fontis Partners, LP	2006	Growth Equity	Underserved Markets	\$5,000,000	\$3,648,566	\$834,972	\$2,454,821	-2.1%
Saybrook Corporate Opportunity Fund, LP	2008	Distressed Debt	Distressed Debt	\$6,192,813	\$6,117,481	\$4,208,702	\$4,491,369	15.4%
Sector Performance Fund, LP	2007	Buyout	Energy, Food & Media	\$10,000,000	\$9,502,443	\$8,466,553	\$0	-2.9%
Spire Capital Partners II, LP	2007	Buyout	BIMC Sectors	\$10,000,000	\$8,742,608	\$6,681,707	\$8,329,646	15.1%
St. Cloud Capital Partners II, LP	2007	Mezzanine	Lower Middle Market	\$5,000,000	\$4,687,062	\$1,935,061	\$3,870,535	6.8%
Starvest Partners II, LP	2007	Venture Capital	Later Stage	\$5,000,000	\$4,203,968	\$0	\$2,880,435	-12.2%
StepStone Pioneer Capital I, LP	2004	Special Situations	Small end of market	\$10,000,000	\$9,636,954	\$6,929,343	\$7,357,385	8.0%
StepStone Pioneer Capital II, LP	2006	Special Situations	Small end of market	\$10,000,000	\$9,342,634	\$3,186,480	\$10,230,964	7.7%
Sterling Venture Partners II, LP	2005	Venture Capital	Expansion Stage	\$8,000,000	\$8,006,256	\$5,898,184	\$5,822,429	7.5%
Vicente Capital Partners Growth Equity Fund, LP (FKA KH Growth Equity)	2007	Growth Equity	Later Stage	\$10,000,000	\$8,031,483	\$612,164	\$10,133,403	9.2%
Yucaipa American Alliance Fund I, LP	2005	Buyout	Upper-Middle Market	\$10,000,000	\$10,000,000	\$5,847,295	\$8,224,051	7.8%
Total Portfolio				\$197,863,932	\$173,834,688	\$69,709,767	\$130,901,233	3.5%

1) Reported Value: Represents reported value as most recently reported by the General Partners

2) Net IRR Since Inception as of 6/30/2014



Paul R. Crotty

Managing Director

Paul is a Managing Director of Portfolio Advisors, a member of the firm's Management Committee, and serves as a voting member on the Investment Committee of all Portfolio Advisors funds. Paul has been with Portfolio Advisors since 1997. Previously, he was a Senior Vice President of Metropolitan Life Insurance Company where he was responsible for a \$16 billion portfolio of private debt and private equity investments, and served as President of MetLife's LBO investment management vehicle. Paul has served as a director of seven client portfolio companies and has served or is serving as an Advisory Board member of twelve private equity partnerships.



William J. Indelicato

Managing Director

Bill is a Managing Director of Portfolio Advisors, a member of the firm's Management Committee, and serves as a voting member on the Investment Committee of all Portfolio Advisors funds. Bill has been with Portfolio Advisors since 1995. Previously, he was engaged in Landmark Partners' direct private investment activities. Before joining Landmark in 1994, he was a senior project engineer at United Technologies. Bill has served as a director of two client portfolio companies, and has served or is serving as an Advisory Board member of twenty-three private equity partnerships.



Brian P. Murphy, CFA

Managing Director

Brian is a Managing Director of Portfolio Advisors, a member of the firm's Management Committee, and serves as a voting member on the Investment Committee of all Portfolio Advisors funds. Brian has been with Portfolio Advisors since 1996. Previously, he was a Senior Vice President of Morris Anderson Investment Advisors, where he co-managed a \$385 million portfolio of direct and partnership investments. He started his private equity advisory career while at Chemical Bank Corporation. Brian has served as a director of nine client portfolio companies and has served or is serving as an Advisory Board member of twenty-one private equity partnerships.



Kenneth G. Binick

Managing Director

Ken is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. Ken joined Portfolio Advisors in January 2008 and serves as a key member of Portfolio Advisors' secondary and co-investment teams. Prior to joining Portfolio Advisors, he was an Investment Banking Associate at CIBC World Markets and Morgan Stanley in the Leveraged Finance Group where he worked on middle market and large cap leveraged buyout transactions.



Ryan B. Butler

Managing Director

Ryan is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. Ryan joined Portfolio Advisors in July 2005 and serves as a key member of Portfolio Advisors' secondary investments team. Previously, he was at Deutsche Bank for over four years where he worked on primary, secondary and structured private equity fund transactions. Prior to that, he worked for two years as a Senior Associate in PricewaterhouseCooper's audit department focusing on mutual fund, hedge fund and private equity fund clients.



Adam G. Clemens, CFA

Managing Director

Adam is a Managing Director of Portfolio Advisors, a member of the firm's Management Committee, and serves as a voting member on the Investment Committee of all Portfolio Advisors funds. Adam joined Portfolio Advisors in 2010 and is primarily engaged in sourcing, evaluating and recommending investment opportunities in private equity co-investments. Previously, he was Co-founder and President of New York Life Capital Partners (NYLCAP), the captive manager of alternative assets for New York Life Insurance Company and third-party investors, with \$7 billion in assets under management. Prior to co-founding NYLCAP, Adam was the Head of Private Equity and Leveraged Finance within New York Life's Private Finance Group where he spearheaded New York Life's entrance into bank loan investing, which has grown into a multi-billion dollar portfolio. Prior to that, Adam was a Vice President with Manufacturers Hanover Trust Company in the Private Placement Department.



Patrick E. Connolly

Managing Director

Patrick is a Managing Director of Portfolio Advisors and focuses on developing business in Japan. Patrick joined Portfolio Advisors in 2008. He has over 20 years of Japanese business expertise and is bilingual in Japanese. As the Principal of PE Connolly Consulting, Patrick has provided consulting services to a variety of businesses, including Nasdaq International, Ltd. and Accenture, related to business development throughout Asia. Patrick also served as the Senior Vice President-International of Business Development of Reciprocal Inc. and President of Reciprocal Asia-Pacific, as well as the Chief Regional Marketing Executive of the UBS Group in Japan.



Igor M. DaCosta

Managing Director

Igor is a Managing Director of Portfolio Advisors and serves as a voting member of the firm's Investment Committees. Igor joined Portfolio Advisors in December of 2013 and is primarily engaged in sourcing, evaluating and recommending investment opportunities in private credit. Previously, he was Co-Head of DLJ Investment Partners, the Mezzanine investment business at Credit Suisse First Boston. Prior to the DLJ and Credit Suisse merger, Igor had worked at DLJ since 1998 and, prior to completing business school, at Bankers Trust in its Latin American merchant banking group private equity division. Igor has served as a director or observer of twelve client portfolio companies including Performance Food Group, Fort Dearborn, Harvard Drug, Il Fornaio, Bartlett Holdings, Ventum Medical, PCD, Kingdom Films, Excel Mining Systems, Allied Barton Security, Healthport and RathGibson.



Jonathan A. English

Managing Director

Jonathan is a Managing Director of Portfolio Advisors, based in Hong Kong, and serves as a voting member of one or more of the firm's Investment Committees. Jonathan joined Portfolio Advisors in 2007 and supports Portfolio Advisors' Asia Pacific investment research, due diligence and business development activities. Previously, he was an Associate with Abbott Capital Management for over five years, responsible for investing, marketing and fundraising on behalf of Abbott's private equity fund of funds vehicles. Jonathan is serving as an Advisory Board member of six private equity partnerships.



Gregory J. Garrett

Managing Director

Greg is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. Greg joined Portfolio Advisors in 2010 and is primarily engaged in sourcing, evaluating and recommending investment opportunities in new private equity fund formations. Previously, he was a Partner with Adams Street Partners and a member of its Primary Partnership Investment Subcommittee contributing to the assessment of investment opportunities across its portfolio since 2001. Prior to Adams Street Partners, Greg was a manager of the Boston Consulting Group and a Captain in the United States Air Force commanding aircraft in support of international military operations. Greg has served or is serving as an Advisory Board member of several private equity partnerships.



Christopher J. Genovese

Managing Director

Chris is a Managing Director of Portfolio Advisors and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Chris joined Portfolio Advisors in 2009. Previously, he was a Vice President of Fortress Group, Inc., a boutique investment banking firm, where he was responsible for marketing and fund-raising of third-party private equity and private real estate funds. Prior to joining Fortress in 2006, Chris worked on private equity investments and portfolio company operations for Brighton Partners, LLP, spent seven years in management consulting with Hitachi and Arthur Andersen Business Consulting, and was an engineer with Cooper Industries.



Charles W. Harper

Managing Director

Charles Harper is a Managing Director of Portfolio Advisors and serves as a voting member of the firm's Investment Committees. Chuck joined Portfolio Advisors in 2013 and is primarily engaged in sourcing, evaluating and recommending investment opportunities in private credit. Prior to joining Portfolio Advisors, he was Co-Head of DLJ Investment Partners, the mezzanine investment business at Credit Suisse. Prior to the DLJ and Credit Suisse merger, Chuck was a Vice President in the Investment Banking division at Donaldson, Lufkin and Jenrette from 1997-1999. Prior to DLJ, Chuck worked as a Vice President in the Leveraged Finance Group of First Chicago. Chuck has served as a board observer or director of nine client portfolio companies including PSSI, Driven Brands, Harlan Labs, Deffenbaugh, Wastepup, CB Richard Ellis, Caribbean Restaurants, United Site Services and Neff Corp.



Todd A. Hughes, CFA

Managing Director

Todd is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. Todd has been with Portfolio Advisors since 1996. Previously, he was a management consultant with the Mitchell Madison Group, a senior associate with Morris Anderson Investment Advisors, and an analyst with Chemical Bank, where he assisted in the management of the Kansas Public Employees Retirement System portfolio. Todd has served as a director of one client portfolio company and has served or is serving as an Advisory Board member of six private equity partnerships.



Kenneth S. Jarvis

Managing Director

Ken is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. Ken has been with Portfolio Advisors since 1997 and serves as an integral member of its primary investment research and diligence team, particularly with respect to investments in the Asia Pacific region. Prior to graduate school, he was an equity analyst at Prudential Securities.



John M. Kyles

Managing Director

John is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. John joined Portfolio Advisors in 2009 and is primarily engaged in sourcing, evaluating and recommending investment opportunities in new private equity fund formations. Previously, he was a Director at Citigroup where he spent eight years in the Private Equity Placements Group. While at Citigroup, he structured and executed private placements totaling over \$6 billion for public and private companies in a variety of industries. At business school, he was a Park Fellow and a co-founder of BR Ventures, a student-managed venture capital fund. John has served or is serving as an Advisory Board member of six private equity partnerships.



Jason L. Landon

Managing Director

Jason is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. Jason joined Portfolio Advisors in 2002 and serves as a key member of Portfolio Advisors' real estate investments team. He has been involved in the research, analysis and recommendation of real estate and private equity investment managers, as well as portfolio construction, asset allocation and ongoing investment program monitoring. Previously, he was a Senior Associate with KPMG for over three years where his client base consisted primarily of public companies within the financial services industry.



Hugh J. Perloff

Managing Director

Hugh is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. Hugh has been with Portfolio Advisors since 1998 and serves as an integral member of its secondary and primary investment research and diligence teams. Previously, he was a senior accountant with Deloitte & Touche for five years, where he performed accounting and audit work for domestic and foreign and public and private clients. He is serving as an Advisory Board member of two private equity partnerships.



Harry D. Pierandri

Managing Director

Harry is a Managing Director of Portfolio Advisors and serves as a key participant in the investment process with respect to all real estate matters. Harry joined Portfolio Advisors in 2006. Previously he was a Senior Executive Vice President and Director at Equitable Real Estate Investment Management, Inc. where he was responsible for all of that company's discretionary real estate portfolio management activities and grew its pooled pension accounts to \$5 billion, including the \$3.4 billion Prime Property Fund, one of the industry's most successful open-ended funds. He also headed Equitable's Capital Markets, Asset Management and Valuation divisions and served as a member of the Portfolio Policy and Valuation Committee. Harry began his real estate career at Equitable in 1972, holding positions in both property management and acquisitions prior to being named portfolio manager for the Prime Property Fund. Harry is serving as an Advisory Board member of one private equity partnership.



Christopher T. Ruder

Managing Director

Chris is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. Chris has been with Portfolio Advisors since 2005 and serves as a key member of its primary and secondary investment research and diligence teams, particularly with respect to investments in the Asia Pacific region. Previously, he was a Director at Deutsche Bank, where he was responsible for the structuring of its third party private equity investment products, including the securitization of its private equity fund portfolio and the launch of regional private equity funds focused on investment activities in the Middle East. Prior to joining Deutsche Bank, Chris worked as an attorney for Bryan Cave LLP in the United Kingdom and Saudi Arabia, where he advised American, European and Middle Eastern corporate and institutional investors on joint venture, merger and other private market activities in Europe and the Middle East. Chris has served as a director of the Jordan Fund and has served or is serving as an Advisory Board member of three private equity partnerships.



Peter M. G. Schwanitz

Managing Director

Peter is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. Peter joined Portfolio Advisors in 2009 and primarily supports Portfolio Advisors' European activities. Previously, he was a Partner at VCM Capital Management, a German-based private equity fund of funds firm, where he focused on conducting due diligence on European and U.S. private equity partnerships and advising institutional clients. Prior to joining VCM in 2006, Peter had eleven years of private equity investing experience as a Director with CAM Private Equity, a Managing Director with Sal. Oppenheim and a Director with AXA-Colonia in Germany. Prior to that, Peter worked as a Senior Financial Analyst with FedEx in Germany and as a Controller for Colonia Insurance.



Nicolas von der Schulenburg

Managing Director

Nicolas is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. Since 2006, Nicolas has led Portfolio Advisors' European activities. Previously, he was an Investment Director for CAM Private Equity, a private equity fund of funds firm based in Germany, where he focused on conducting due diligence on European and U.S. private equity partnerships. Prior to joining CAM in 2004, Nicolas had five years of direct private equity investing experience with 3i Group plc in Germany. From 1994 to 1999 Nicolas was a management consultant with Arthur D. Little, Inc., where he focused on projects in the technology and innovation management fields. Prior to that, Nicolas worked as an analyst at Environmental Strategies Corporation, an environmental consulting and engineering firm. Nicolas is serving as an Advisory Board member of three private equity partnerships.



Donna O. Smolens

Managing Director

Donna is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. Donna has been with Portfolio Advisors since 2003 and is primarily engaged in primary fund due diligence. Previously, she was a General Partner with Technology Crossover Ventures where she handled investor relations. Prior to that, Donna was a Senior Vice President at DLJ Securities' Private Fund Group, where she was responsible for the origination, screening and due diligence on funds marketed by the firm. Prior to DLJ, she was a Portfolio Manager with General Motors Investment Management and an Investment Vice President at New York Life, where she managed private equity portfolios. Donna has served or is serving as an Advisory Board member of thirteen private equity partnerships.



Colin C. Stauffer

Managing Director

Colin is a Managing Director of Portfolio Advisors and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Colin joined Portfolio Advisors in 2005. Colin supports Portfolio Advisors' marketing, business development and investor relations activities.



Eric L. Thunem

Managing Director

Eric is a Managing Director of Portfolio Advisors and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Eric joined Portfolio Advisors in 2008. Previously, he was a Managing Director of Groton Partners, a merchant banking firm, where he was responsible for the origination, structuring and distribution of third-party alternative investment vehicles. Before Groton, he was a Principal and senior banker for Benedetto, Garland & Company, where he spent nine years in fund-raising and marketing of private equity funds to North American and European institutional investors. Prior to that, Eric worked in the private placements group at Chase Securities (now JP Morgan), and as a financial analyst and engineering technician in the oil and gas industry.



Kenneth M. Wisdom

Managing Director

Ken is a Managing Director of Portfolio Advisors and serves as a voting member on the Investment Committee for several Portfolio Advisors funds. Ken has been with Portfolio Advisors since 2002 and serves as lead member of Portfolio Advisors real estate investment and advisory team. Previously, he was a Managing Director and founding principal of PrivateTrade, a private equity secondary advisory firm. Before PrivateTrade, he served as the Private Equity Officer for the University of California Office of the Treasurer responsible for its \$3 billion private equity program. Prior to that, he was the Senior Investment Analyst for Alternative Investments for the Massachusetts Pension Reserves Investment Management Board where he was responsible for its private equity and real estate programs. Ken has also held senior positions at Douglas Elliman Real Estate where he was involved with residential and commercial property acquisitions and dispositions, leasing and property management. He has served or is serving as an Advisory Board member of twelve private equity partnerships.



Choon Cheong Loh

Senior Vice President

Choon Cheong is a Senior Vice President of Portfolio Advisors, based in Hong Kong, and serves as a voting member of one or more of the firm's Investment Committees. Choon Cheong joined Portfolio Advisors in 2013 and primarily supports Portfolio Advisors' Asian activities. Previously, she was a Senior Director in the UOB Investment Management Division's alternative investment fund-of-funds advisory business where she had worked with Portfolio Advisors since 2006 through a joint venture, Asia Select Management, Ltd. Prior to joining the team, she was the Compliance Manager with UOB Venture Management. Choon Cheong joined UOB in 1996 where she has worked with the Senior Executive Vice President's Office, Investment Banking and the Corporate Planning Department in a variety of functions. Prior to joining UOB, she worked with Esso Singapore and DBS Bank Singapore. Choon Cheong is serving as an Advisory Board member of two private equity partnerships.



Steven R. Pines

Senior Vice President

Steve is a Senior Vice President of Portfolio Advisors and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Steve joined Portfolio Advisors in January of 2013. Previously, he was Director of Institutional Sales at Davidson Investment Advisors, a Pacific Northwest-based boutique asset management firm. Prior to joining Davidson in 2009, Steve spent nine years at The Northern Trust Company in Chicago advising public pension funds throughout the US and Canada on matters from investment policy design and implementation to risk assessment. Additional positions held included marketing client servicing roles at Lehman Brothers Asset Management, CRA Rogers Casey and Salomon Smith Barney.



Eric J. Staub

Senior Vice President

Eric is a Senior Vice President of Portfolio Advisors and serves as a voting member of one or more of the firm's Investment Committees. Eric joined Portfolio Advisors in December of 2013. Previously, he was a Director at DLJ Investment Partners at Credit Suisse First Boston. Prior to joining DLJIP, Eric was a Senior Associate in the Corporate Finance Group at Heller Financial, Inc. ("Heller") and a member of Heller's Private Equity Investment Team. Prior to DLJ, he was a Senior Auditor at Deloitte & Touche and a certified public accountant. Eric has served as a board observer of five client portfolio companies including Advanced Disposal Services, Allied Barton Security, Deffenbaugh Industries, Driven Brands, and Harvard Druu.



James D. Atcheson, CAIA

Vice President

James is a Vice President of Portfolio Advisors and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. James joined Portfolio Advisors in 2013 and currently supports Portfolio Advisors' business development efforts. Previously, he was a Marketing Associate at Rocacon Investment Advisors, LLC, an institutional investment consulting firm. Prior to joining Rocacon in 2010, James was a Senior Analyst at Fortress Group, Inc., a boutique investment banking firm focused on marketing and fund-raising for third-party private equity and private real estate funds. From 2005 to 2007, James was a Proprietary Equities Trader at Opus Trading Fund, LLC.



Elizabeth M. Campbell

Vice President

Liz is a Vice President of Portfolio Advisors and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Liz joined Portfolio Advisors in 2013 and is a member of the primary investment research and due diligence team. Previously, Liz was an Associate at Stanwich Advisors, a boutique investment bank specializing in capital raising and advisory services for private equity funds, where she was responsible for due diligence, project management, and market research.



Jeffrey J. Cho

Vice President

Jeff is a Vice President of Portfolio Advisors and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Jeffrey joined Portfolio Advisors in 2012 and has been involved in the research, analysis and recommendation of real estate investment managers, as well as secondary acquisitions, market research and ongoing investment monitoring. Prior to joining Portfolio Advisors, Jeffrey was a Vice President with Ramius LLC where he was engaged in acquisition, asset management and fund management activities of the commercial real estate equity and debt funds. Prior to Ramius, Jeffrey was an Analyst at The Carlyle Group. From 2004 to 2006, Jeffrey worked in the Real Estate Business Advisory Service group at PricewaterhouseCoopers.



Jeremy D. Cobin

Vice President

Jeremy is a Vice President of Portfolio Advisors and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Jeremy joined Portfolio Advisors in 2011 and has been involved in secondary acquisitions, as well as the research, analysis and recommendation of real estate investment managers. Prior to joining Portfolio Advisors, Jeremy was an Associate in the hospitality practice at Savills LLC. Prior to Savills, Jeremy was an Analyst at Eastdil Secured where he assisted in the financial analysis, and research for investment sales, financings and equity level recapitalizations in a variety of asset classes. From 2003 to 2005, Jeremy worked in the Capital Markets Intelligence group at Thomson Financial.



John M. Fagan

Vice President

John is a Vice President of Portfolio Advisors and serves as a non-voting supporting member of one or more of the firm's Investment Committees. John joined Portfolio Advisors in December of 2013. Previously, he was an Associate at DLJ Investment Partners at Credit Suisse First Boston. Prior to joining DLJIP, John was an Analyst in the Leveraged Finance Group at Banc of America Securities, working on a variety of leveraged buyout and acquisition finance transactions.



Patrick R. Gerbracht

Vice President

Patrick is a Vice President of Portfolio Advisors and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Patrick joined Portfolio Advisors in 2010 and serves as a member of the secondary investment team. Prior to joining Portfolio Advisors, he was an Associate at Pomona Capital for three years where he focused on secondary transactions while also supporting the primary and co-investment teams. Prior to Pomona Capital, he was an Analyst in GE Capital's Financial Management Program, completing rotational assignments at GE Capital's headquarters, Commercial Aviation Services, Real Estate North American Equity Investing, and Corporate Finance.



Stephanie L. Gutleber

Vice President

Stephanie is a Vice President of Portfolio Advisors and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. She focuses on the research, analysis and recommendation of real estate investment managers, as well as market research and ongoing investment monitoring. Prior to joining Portfolio Advisors in 2008, Stephanie was an Assistant Vice President of Acquisitions with Centerline Capital Group (formerly Related Capital Company) where she originated, structured and negotiated over 125 tax-exempt affordable multi-family and senior debt transactions since 2001. From 2000 to 2001, Stephanie was enrolled in the Management Rotational Program at J.P. Morgan Chase.



Benjamin S. Hur

Vice President

Ben is a Vice President of Portfolio Advisors and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Ben joined Portfolio Advisors in 2010 and serves as a member of Portfolio Advisors' secondary and co-investment teams. Previously, he was an Investment Banking Analyst at Citigroup in the Global Consumer Group where he worked on various financing and M&A transactions.



Lenis Leung

Vice President

Lenis is a Vice President of Portfolio Advisors, based in Hong Kong, and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Lenis joined Portfolio Advisors in 2004 and primarily supports Portfolio Advisors' Asian activities. Previously, she participated in internships at Merrill Lynch and Credit Suisse First Boston.



Michael Liu

Vice President

Michael is a Vice President of Portfolio Advisors, based in Hong Kong, and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Michael joined Portfolio Advisors in 2013 and primarily supports Portfolio Advisors' Asian activities. Previously, he was a Vice President in the UOB Investment Management Division's alternative investment fund-of-funds advisory business where he had worked with Portfolio Advisors since 2006 through a joint venture, Asia Select Management, Ltd. He joined UOB in July 2006 through the Management Associate program.



Kevin S. Rogers

Vice President

Kevin is a Vice President of Portfolio Advisors and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Kevin joined Portfolio Advisors' analyst program in 2005 and currently supports Portfolio Advisors' business development efforts. Previously, he participated in an internship at Westery Savings Bank.



Jenifer K. Parker

Chief Financial Officer

Jenifer is Portfolio Advisors' Chief Financial Officer. Jenifer joined Portfolio Advisors in 2013. Previously, she was the Director of Operations for Overbrook Management Corporation. Prior to that, Jenifer was Chief Financial Officer of Highcroft Racing, Inc. where she was responsible for maintaining the books and records of multiple affiliated companies as well as human resources. Prior to joining Highcroft, Jenifer held various positions during her tenure at Benedetto, Gartland Group, Inc., including Chief Financial Officer, Financial Operations Principal and Chief Compliance Officer.



Jesse Eisenberg

General Counsel & Managing Director

Jesse is the General Counsel & a Managing Director of Portfolio Advisors, serves as a supporting member on the Investment Committee for several Portfolio Advisors funds, and is the firm's Chief Compliance Officer. Jesse joined Portfolio Advisors in 2006. Previously, she was an Associate with Clifford Chance US LLP where her work encompassed a broad range of transactions, including private equity fund formation, acquisitions and dispositions of portfolio investments, the securitization of private equity fund portfolios, public and private mergers and acquisitions and capital markets transactions. She also provided general corporate advice to a variety of public and private companies. Jesse previously served as a manager for SCG Capital and a Fund Manager for BR Ventures.



Daniel Dwyer

Chief Compliance Officer & Counsel

Daniel is Portfolio Advisors' Chief Compliance Officer and Counsel and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Daniel joined Portfolio Advisors in January of 2013. Previously, Daniel was the General Counsel and Chief Compliance Officer for Touradji Capital Management, L.P., a commodity-focused hedge fund advisor in New York. He provided advice related to private fund formation, restructuring, compliance and registration issues. Prior to that role, Daniel served in the same capacity with Sursum Capital Management, L.P., a long short hedge fund in Connecticut.



Jeremy S. Dardick

Deputy General Counsel

Jeremy is Portfolio Advisors' Deputy General Counsel and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Jeremy joined Portfolio Advisors in 2007. Previously, he was Counsel of AXA Financial, Inc. in the Funds Management Group where he advised various investment advisers and proprietary mutual funds in regulatory, compliance and general corporate matters. Prior to that, Jeremy was an associate at Kaye Scholer LLP where he advised private equity firms in connection with mergers and acquisitions of public and private companies, as well as representing lenders and financial insurers in domestic and cross-border asset-backed securitizations.



Michelle J. Lee

Deputy General Counsel

Michelle is Portfolio Advisors' Deputy General Counsel and serves as a supporting member on the Investment Committee for several Portfolio Advisors funds. Michelle joined Portfolio Advisors in 2007. Previously, she was an associate at Latham & Watkins LLP where she represented issuers and investment banks in connection with capital markets transactions, including initial public offerings and private and public offerings of equity and debt securities.



Thomas M. Broderick

Chief Technology Officer

Tom is the Chief Technology Officer of Portfolio Advisors and has been with the firm since 2000. Previously he was an Assistant Vice President at General Re - New England Asset Management where he managed all third-party software development and support projects for nine years.



Mark L. Perry

Senior Vice President - IT

Mark is a Senior Vice President of Information Technology at Portfolio Advisors and has been with the firm since 1999. Previously, he was an Assistant Vice President at General Reinsurance Corporation where he managed investment portfolio systems, served as an analyst for the technology sector of the Gen Re equity portfolio, and built/maintained data feeds and equity models.



Alfred A. Buchetto

Vice President - Administration

Alfred is a Vice President of Administration at Portfolio Advisors and joined Portfolio Advisors in 1997. Alfred oversees our administration team and is responsible for portfolio reporting and analysis across our advisory and administration client portfolios. Previously, he was an analyst with General Electric Capital Corporation for six years working most recently in Global Treasury and Funding where he provided analysis and reported on the commercial paper program.



LisaMarie Finn

Vice President - Administration

LisaMarie Finn is a Vice President of Administration at Portfolio Advisors. Lisa joined Portfolio Advisors' analyst program in 2005. Currently, she is responsible for overseeing the reporting and analysis of our advisory and administration clients.

Disclosure Statement

GENERAL DISCLAIMER

PAST PERFORMANCE DOES NOT GUARANTEE FUTURE RESULTS. THE PAST PERFORMANCE PRESENTED IN THIS DOCUMENT REFLECTS THE PARTICULAR OBJECTIVES AND CONSTRAINTS OF PORTFOLIO ADVISORS' ADVISORY CLIENTS AND/OR MANAGED FUNDS OF FUNDS AT DIFFERENT POINTS IN TIME AND IS BASED ON THE ACTUAL HISTORICAL PERFORMANCE OF THE PRIVATE EQUITY FUNDS, CO-INVESTMENTS OR ANY OTHER INVESTMENTS, AS APPLICABLE (COLLECTIVELY OR INDIVIDUALLY, AS THE CONTEXT REQUIRES, "INVESTMENTS"), COMMITTED TO ON THEIR BEHALF. NO REPRESENTATION IS MADE THAT THE INVESTMENTS WOULD HAVE BEEN SELECTED FOR ANY PORTFOLIO ADVISORS-SPONSORED FUND DURING THE PERIOD SHOWN OR THAT THE PERFORMANCE OF ANY PORTFOLIO ADVISORS-SPONSORED FUND WOULD HAVE BEEN THE SAME OR SIMILAR TO THE PERFORMANCE REFLECTED. PORTFOLIO ADVISORS-SPONSORED FUNDS MAKE INVESTMENTS IN DIFFERENT ECONOMIC CONDITIONS THAN THOSE PREVAILING IN THE PAST AND IN DIFFERENT INVESTMENTS THAN THOSE REFLECTED IN THE PERFORMANCE RECORD(S) SHOWN HEREIN. ADDITIONALLY, THE PERFORMANCE DESCRIBED HEREIN REFLECTS THE PERFORMANCE OF CERTAIN INVESTMENTS OVER A LIMITED PERIOD OF TIME AND DOES NOT NECESSARILY REFLECT ANY SUCH INVESTMENTS' PERFORMANCE IN DIFFERENT MARKET CYCLES. THE PERFORMANCE RECORD(S) SHOWN HEREIN WERE COMPILED, AND REFLECT CERTAIN SUBJECTIVE ASSUMPTIONS AND JUDGMENTS, BY PORTFOLIO ADVISORS. IT HAS NOT BEEN AUDITED OR REVIEWED BY ANY INDEPENDENT PARTY FOR ACCURACY OR REASONABLENESS. PROSPECTIVE INVESTORS SHOULD UNDERSTAND THAT THE USE OF DIFFERENT UNDERLYING ASSUMPTIONS AND JUDGMENTS, AND COMPARISONS TO DIFFERENT INFORMATION, COULD RESULT IN MATERIAL DIFFERENCES FROM THE PERFORMANCE RECORD(S) HEREIN. ADDITIONAL INFORMATION CAN BE PROVIDED BY PORTFOLIO ADVISORS UPON REQUEST.

GENERAL DISCLOSURE

THE SUMMARY DESCRIPTION OF ANY PORTFOLIO ADVISORS-SPONSORED FUND (EACH, THE "FUND") INCLUDED HEREIN, AND ANY OTHER MATERIALS PROVIDED TO YOU, ARE INTENDED ONLY FOR DISCUSSION PURPOSES AND ARE NOT INTENDED AS AN OFFER TO BUY OR A SOLICITATION OF AN OFFER TO BUY OR SELL WITH RESPECT TO THE PURCHASE OR SALE OF ANY SECURITY AND SHOULD NOT BE RELIED UPON BY YOU IN EVALUATING THE MERITS OF INVESTING IN ANY SECURITIES. THESE MATERIALS ARE NOT INTENDED FOR DISTRIBUTION TO, OR USE BY, ANY PERSON OR ENTITY IN ANY JURISDICTION OR COUNTRY WHERE SUCH DISTRIBUTION OR USE IS CONTRARY TO LOCAL LAW OR REGULATION.

THIS SUMMARY IS NOT INTENDED TO BE COMPLETE AND THE DESCRIPTION OF THE TERMS OF ANY FUND HEREIN IS QUALIFIED IN ITS ENTIRETY BY THE TERMS CONTAINED IN SUCH FUND'S CONFIDENTIAL PRIVATE PLACEMENT MEMORANDUM, PARTNERSHIP AGREEMENT AND SUBSCRIPTION AGREEMENT (THE "FUND DOCUMENTS") SIMILARLY, ANY SUMMARIES OF PORTFOLIO ADVISORS' POLICIES ARE QUALIFIED IN THEIR ENTIRETY BY THE TERMS OF THE ACTUAL POLICIES. MATERIAL ASPECTS OF THE DESCRIPTIONS CONTAINED HEREIN MAY CHANGE AT ANY TIME AND IF YOU EXPRESS AN INTEREST IN INVESTING IN THE FUND YOU WILL BE PROVIDED WITH A COPY OF THE FUND DOCUMENTS. YOU MUST REVIEW THE FUND DOCUMENTS AND RISK FACTORS DISCLOSED IN THE FUND DOCUMENTS PRIOR TO MAKING A DECISION TO INVEST. YOU SHOULD RELY ONLY ON THE INFORMATION CONTAINED IN THE FUND DOCUMENTS IN MAKING YOUR DECISION TO INVEST.

THE INFORMATION HEREIN IS NOT INTENDED TO PROVIDE, AND SHOULD NOT BE RELIED UPON FOR, ACCOUNTING, LEGAL OR TAX ADVICE OR INVESTMENT RECOMMENDATIONS. YOU SHOULD CONSULT YOUR TAX, LEGAL, ACCOUNTING OR OTHER ADVISORS ABOUT THE MATTERS DISCUSSED HEREIN.

THE FUND WILL NOT REGISTER AS INVESTMENT COMPANIES UNDER THE U.S. INVESTMENT COMPANY ACT OF 1940, AS AMENDED (THE "COMPANY ACT") IN RELIANCE UPON THE EXEMPTION UNDER SECTION 3(C)(7) THEREUNDER, AND, ACCORDINGLY, THE PROVISIONS OF THE COMPANY ACT WILL NOT BE APPLICABLE TO THE FUND.

AN INVESTMENT IN THE FUND WILL BE SUITABLE ONLY FOR CERTAIN SOPHISTICATED INVESTORS WHO HAVE NO NEED FOR IMMEDIATE LIQUIDITY IN THEIR INVESTMENT. SUCH AN INVESTMENT WILL PROVIDE LIMITED LIQUIDITY BECAUSE INTERESTS IN THE FUND WILL NOT BE FREELY TRANSFERABLE AND MAY GENERALLY NOT BE WITHDRAWN. THERE WILL BE NO PUBLIC OR SECONDARY MARKET FOR INTERESTS IN THE FUND, AND IT IS NOT EXPECTED THAT A PUBLIC OR SECONDARY MARKET WILL DEVELOP.



Disclosure Statement (continued)

INVESTING IN FINANCIAL MARKETS INVOLVES A SUBSTANTIAL DEGREE OF RISK. THERE CAN BE NO ASSURANCE THAT THE FUND'S INVESTMENT OBJECTIVES OR ANY OF THE FUND'S (OR ITS SECTORS' AND SUB-SECTORS', IF ANY) INVESTMENT OBJECTIVES WILL BE ACHIEVED OR THAT THERE WILL BE A RETURN OF CAPITAL. INVESTMENT LOSSES MAY OCCUR WITH RESPECT TO ANY INVESTMENT IN THE FUND AND INVESTORS COULD LOSE SOME OR ALL OF THEIR INVESTMENT. NOTHING HEREIN IS INTENDED TO IMPLY THAT AN INVESTMENT IN THE FUND OR THE FUND'S INVESTMENT STRATEGIES MAY BE CONSIDERED "CONSERVATIVE," "SAFE," "RISK FREE" OR "RISK AVERSE." NO REGULATORY AUTHORITY HAS PASSED UPON OR ENDORSED THIS SUMMARY OR THE MERITS OF AN INVESTMENT IN THE FUND.

DISTRIBUTION OF THIS INFORMATION TO ANY PERSON OTHER THAN THE PERSON TO WHOM THIS INFORMATION WAS ORIGINALLY DELIVERED AND TO SUCH PERSON'S ADVISORS IS UNAUTHORIZED AND ANY REPRODUCTION OF THESE MATERIALS, IN WHOLE OR IN PART, OR THE DISCLOSURE OF ANY OF THE CONTENTS, WITHOUT THE PRIOR CONSENT OF PORTFOLIO ADVISORS, LLC. IN EACH SUCH INSTANCE IS PROHIBITED. NOTWITHSTANDING ANYTHING TO THE CONTRARY HEREIN, EACH RECIPIENT OF THIS SUMMARY (AND EACH EMPLOYEE, REPRESENTATIVE OR AGENT OF SUCH RECIPIENT) MAY DISCLOSE TO ANY AND ALL PERSONS, WITHOUT LIMITATION OF ANY KIND, THE TAX TREATMENT AND TAX STRUCTURE OF (I) THE FUND AND (II) ANY OF ITS TRANSACTIONS, AND ALL MATERIALS OF ANY KIND (INCLUDING OPINIONS OR OTHER TAX ANALYSES) RELATING TO SUCH TAX TREATMENT AND TAX STRUCTURE.

CERTAIN INFORMATION CONTAINED HEREIN CONSTITUTES FORWARD-LOOKING STATEMENTS. DUE TO VARIOUS UNCERTAINTIES AND ACTUAL EVENTS, INCLUDING THOSE DISCUSSED HEREIN AND IN THE FUND DOCUMENTS, ACTUAL RESULTS OR PERFORMANCE OF THE FUND MAY DIFFER MATERIALLY FROM THOSE REFLECTED OR CONTEMPLATED IN SUCH FORWARD-LOOKING STATEMENTS. AS A RESULT, INVESTORS SHOULD NOT RELY ON SUCH FORWARD-LOOKING STATEMENTS IN MAKING THEIR INVESTMENT DECISIONS. ANY TARGET OBJECTIVES ARE GOALS ONLY, ARE NOT PROJECTIONS OR PREDICTIONS AND ARE PRESENTED SOLELY FOR YOUR INFORMATION. NO ASSURANCE IS GIVEN THAT THE FUND WILL ACHIEVE ITS INVESTMENT OBJECTIVES.

EXAMPLES OF INVESTMENTS DESCRIBED HEREIN DO NOT NECESSARILY REPRESENT ALL OR ANY OF THE INVESTMENTS THAT WILL BE MADE BY THE FUND. IT MAY NOT BE ASSUMED THAT ANY INVESTMENTS DESCRIBED HEREIN WOULD BE PROFITABLE IF IMPLEMENTED. INVESTMENT ALLOCATIONS MAY BE CHANGED OR MODIFIED AT ANY TIME WITHOUT NOTICE TO YOU AT THE SOLE DISCRETION OF PORTFOLIO ADVISORS, LLC. THE INFORMATION HEREIN MAY NOT BE RELIED ON IN MAKING ANY INVESTMENT DECISION. INVESTMENT DECISIONS MAY ONLY BE MADE IN RELIANCE UPON THE INFORMATION SET FORTH IN THE FUND DOCUMENTS.

IF THE RECIPIENT OF THIS DOCUMENT IS OR BECOMES SUBJECT TO: (I) SECTION 552(A) OF TITLE 5 OF THE UNITED STATES CODE (COMMONLY KNOWN AS THE "FREEDOM OF INFORMATION ACT") OR ANY PUBLIC DISCLOSURE LAW, RULE OR REGULATION OF ANY GOVERNMENTAL OR NON-GOVERNMENTAL ENTITY THAT COULD REQUIRE SIMILAR OR BROADER PUBLIC DISCLOSURE OF CONFIDENTIAL INFORMATION PROVIDED TO SUCH RECIPIENT; (II) ANY PUBLIC DISCLOSURE LAW, RULE OR REGULATION OF ANY PUBLIC COMPANY THAT COULD REQUIRE SIMILAR OR BROADER PUBLIC DISCLOSURE OF CONFIDENTIAL INFORMATION PROVIDED TO SUCH RECIPIENT; OR (III) ANY PUBLIC DISCLOSURE LAW, RULE OR REGULATION OF ANY PENSION FUND (OR SIMILAR ENTITY) THAT COULD REQUIRE SIMILAR OR BROADER PUBLIC DISCLOSURE OF CONFIDENTIAL INFORMATION PROVIDED TO SUCH RECIPIENT (COLLECTIVELY, ALL SUCH LAWS, RULES OR REGULATIONS, "FOIA"), THEN, TO THE EXTENT THAT ANY SUCH RECIPIENT RECEIVES A REQUEST FOR PUBLIC DISCLOSURE OF THIS DOCUMENT, SUCH RECIPIENT AGREES THAT: (I) IT SHALL USE ITS BEST EFFORTS TO (X) PROMPTLY NOTIFY PORTFOLIO ADVISORS OF SUCH DISCLOSURE REQUEST AND PROMPTLY PROVIDE PORTFOLIO ADVISORS WITH A COPY OF SUCH DISCLOSURE REQUEST OR A DETAILED SUMMARY OF THE INFORMATION BEING REQUESTED, (Y) INFORM PORTFOLIO ADVISORS OF THE TIMING FOR RESPONDING TO SUCH DISCLOSURE REQUEST, (Z) CONSULT WITH PORTFOLIO ADVISORS REGARDING THE RESPONSE TO SUCH PUBLIC DISCLOSURE REQUEST, INCLUDING PORTFOLIO ADVISORS' CONSIDERATION OF WHETHER SUCH DISCLOSURE IS IN THE BEST INTEREST OF THE FUND AND, TO THE FULLEST EXTENT PERMITTED BY LAW, WHETHER ALL OR ANY PART OF THIS DOCUMENT MAY BE WITHHELD FROM SUCH PUBLIC DISCLOSURE REQUEST.

NONE OF THE INFORMATION CONTAINED HEREIN WAS PREPARED, REVIEWED OR APPROVED BY THE UNDERLYING PORTFOLIO FUNDS IDENTIFIED HEREIN, IF ANY, THE GENERAL PARTNERS THEREOF OR ANY OF THEIR RESPECTIVE AFFILIATES.

BY ACCEPTING THESE MATERIALS, YOU HEREBY ACKNOWLEDGE AND AGREE TO ALL OF THE TERMS AND CONDITIONS IN THIS DISCLOSURE STATEMENT, SPECIFICALLY THAT THE INFORMATION CONTAINED HEREIN IS HIGHLY CONFIDENTIAL AND THAT YOU SHALL NOT DISCLOSE OR CAUSE TO BE DISCLOSED ANY SUCH INFORMATION WITHOUT THE PRIOR WRITTEN CONSENT OF PORTFOLIO ADVISORS, LLC.