

manager scorecards

	L//CERA Los Angeles County Employees Retire	mont Association	n n	F	erformance		Organization & Operations	ESG	Partnership		Fees & Terms
	PUBLIC MARKETS MANAGER SCORECARD			1 to 5 (with 5 the best)		S+, S, or S- (with S+ the best)	1 to 5 (with 5 the best)	A, B, or C (with A the best)		1 to 5 (with 5 the best)	
	4th Quarter 2021			/	40RE		SCORE	gOR ^E	Ç OR ^E	/	\$CORE
	Manager	Market Value (in \$ millions)	% of Total Fund		Risk-Adjusted Return	ER					
	TOTAL FUND	75,580.04									
	GLOBAL EQUITY										
	ACADIAN DEVELOPED MARKETS	659.1	0.9%		5		S	3	В		3
	BTC EURO TILTS	764.4	1.0%		5		S+	4	Α		3
	CAPITAL GROUP DEVELOPED MARKETS	475.2	0.6%		4	•	S	2	В		3
	CEVIAN CAPITAL II - ACTIVIST	413.4	0.5%		1		S+	4	Α		1
	CORNERCAP US SC - EMP	86.6	0.1%		4		S-	1	Α		3
프	FRONTIER US SMID GROWTH	312.1	0.4%		3		S	2	В		1
GROWTH	GENESIS EMERGING MARKETS	636.9	0.8%		3		S	3	A		1
2	GLOBAL ALPHA IE SC - EMP	163.2	0.2%		4		S	3	Α		3
ō	JANA JSI FUND V - ACTIVIST	123.5	0.2%		2		S-	2	Α		1
	JPMAM STRATEGIC BETA NON-U.S.	644.1	0.9%	*	3		S	2	В		3
	JPMAM STRATEGIC BETA U.S.	4,872.5	6.4%	*	3		s	2	В		3
	LAZARD EMERGING MARKETS	475.2	0.6%		4		5	3	В		3
	SSGA MSCI ACWI IMI	16,610.9	22.0%	*	3		S+	_	Α		5
	SYMPHONY FINANCIAL - ACTIVIST	257.8	0.3%		4	ě	S	2	Α		3
	SYSTEMATIC US SMALL CAP VALUE	206.9	0.3%		2		S-	2	Α		3
	HIGH YIELD				_			_	_		
	BEACH POINT	317.3	0.4%		5	\sim	S	2	В		1
	BLACKROCK HY ETF	650.0	0.9%	•	3	2	S	_	c		5
	BRIGADE CAP MGMT	709.5	0.9%	*	4	2	S	1	В		3
	PINEBRIDGE INVESTMENTS	507.6	0.7%	*	3	\circ	S	+	В		3
СКЕВІТ	BANK LOANS										
문	BAIN CAPITAL CREDIT	421.4	0.6%		2		5	2	В		1
0	CREDIT SUISSE BANK LOANS	1,158.7	1.5%	*	3	Ö	S	+	Α		5
	CRESCENT CAPITAL	520.1	0.7%		4		S	2	В		1
	EMERGING MARKET DEBT		0.00/								2
	ABERDEEN ASSET MANAGEMENT ASHMORE INVESTMENT MANAGEMENT	443.3 414.2	0.6% 0.5%		3 1	\mathbf{x}	S S	4	A B		3
	ASTINIONE INVESTIMENT MANAGEMENT	414.2	0.570			_	J	•	U		,
	NATURAL RESOURCES & COMMODITIES										
	CREDIT SUISSE COMMODITY	461.6	0.6%		3		S	1	В		3
8 B	DWS NATURAL RESOURCES	1,427.4	1.9%	*	3	Ó	S	2	A		5
5 G	NEUBERGER BERMAN/GRESHAM	446.7	0.6%		3	Ŏ	S	1	В		1
REAL ASSETS & INFLATION HEDGES	PIMCO COMMODITY PLUS	456.1	0.6%		4	ě	S-	1	В		1
શ &											
ə 등	INFRASTRUCTURE										_
5 5	DWS INFRASTRUCTURE	2,402.5	3.2%	*	3		S	2	Α		5
Z	TIPS										
	BLACKROCK TIPS	2,111.4	2.8%	*	3	Ō	S+	1	Α		5
	personneen in a	-,	2.570			\vee	J.	•			



	Exceeds 3-Year Net Excess Return
C	Meets 3-Year Net Excess Return
	Below 3-Year Net Excess Return

Footnotes

· Pillar methodologies in refinement and may evolve over time

Category Descriptions

Performance

- Quarterly score based on Sharpe and Information Ratios, which provide insight into a manager's risk-adjusted performance and performance relative to its benchmark, respectively
- '*' denotes a manager with an inception date of less than 3 years, resulting in a neutral score of 3
- · Circle icons reflect trailing 3-year net excess returns against the manager's benchmark above or below a specified range

Organization & Operations

- Includes factors such as organization, professional staff, diversity & inclusion, investment philosophy & process, risk management, legal & compliance framework
- 'S' stands for Satisfactory

ESG

- Evaluates the extent to which material ESG factors are identified, assessed, and incorporated into risk/return analysis and portfolio construction
- '--' denotes passive index funds and cash where ESG scores are not relevant and/or reflect strategies that do not incorporate active decisions, including ESG considerations, in portfolio construction
- '+' denotes mandates where ESG scores are currently under review

Partnership

- · Blended score based on:
- Value added services e.g., providing education, distributing research, and performing analytics on portfolio
- Client service e.g., responsiveness, timeliness, competency, and approach
- Size of LACERA's investment relative to the firm's assets under management

Fees & Terms

. Compared to a benchmark of median fees by asset category and/or investment structure

PRIVATE EQUITY

PRIVATE	MARKETS	MANAGER	SCORECARD
4th Quarter 2	2021		

Organization & Fees & Performance Partnership Operations Terms 1 to 5 S+, S, or S-1 to 5 A, B, or C 1 to 5 (with 5 the best) (with S+ the best) (with 5 the best) (with A the best) (with 5 the best) CORE

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	Manager	Market Value (in \$ millions)	% of Total Fund					
	GLOBAL/LARGE BUYOUT							
	Advent International Group	140.3	0.2%	*	S+	3	С	4
	Blackstone Management	277.3	0.4%	1	S-	4	С	5
	CVC Capital Partners	366.5	0.5%	5	S+	4	Α	4
	Green Equity Investors	310.6	0.4%	2	S+	3	В	4
	Hellman & Friedman	433.5	0.6%	3	S+	3	В	4
	MBK	279.9	0.4%	1	S	4	Α	2
	Silver Lake Partners	608.7	0.8%	5	S+	3	В	5
	Thoma Bravo LLC	87.3	0.1%	*	S+	3	В	3
	Vista Equity Partners	868.4	1.1%	4	S-	3	Α	2
	MID-MARKET BUYOUT							
	Accel-KKR Capital Partners	80.1	0.1%	*	S	3	Α	2
	BlackFin Capital Partners	10.0	0.0%	*	S	3	В	2
	Carlyle Group	343.1	0.5%	3	S+	4	Α	4
	Clearlake Capital	451.5	0.6%	5	S+	4	Α	4
	GHO Capital	-0.9	0.0%	*	S	3	В	2
	Gilde Partners	112.3	0.1%	4	S-	2	С	5
	Harvest Partners	105.5	0.1%	5	S	1	С	2
	Marlin Equity	30.5	0.0%	1	S-	2	С	3
,	Onex Partners	288.2	0.4%	2	S	4	Α	5
	PAI	117.9	0.2%	*	S-	2	В	4
	Riverside Capital	83.6	0.1%	1	S+	3	Α	3
	Siris Capital Group	125.5	0.2%	2	S+	3	Α	4
	Sterling Partners	110.9	0.1%	4	S	3	A	4
	STG Partners	14.3	0.0%	*	S	3	A	3
	Triton	100.6	0.1%	*	S-	3	C	5
	Veritas Capital	-0.3	0.0%	*	S+	3	В	3
	Vinci Partners	36.6	0.0%	*	S	4	В	5
	Webster Equity Partners	-1.6	0.0%	*	S	3	В	2
	Wynnchurch Capital	19.0	0.0%	*	S+	3	В	3
	SMALL BUYOUT							
	AE Industrial Partners	100.3	0.1%	*	S+	3	Α	3
	Atlantic Street Capital	39.3	0.1%	*	S	3	Α	3
	Clarion	14.9	0.0%	*	S	2	С	4
	Excellere Partners	120.0	0.2%	5	S-	3	Α	3
	Incline Equity Partners	36.6	0.0%	3	S	2	С	4
	Insignia Capital Partners	138.0	0.2%	4	S	1	В	5
	Juggernaut Capital Partners	282.1	0.4%	3	S	3	A	4
	Lightyear Capital	216.8	0.3%	5	S	2	A	5
	Livingbridge	51.0	0.1%	2 *	S+	4	A	3
	Monteflore Investment	2.8	0.0%		S	4	В	4
	One Rock Capital Partners	122.5	0.2%	2	S	3 4	A	4
	Palladium Equity Partners	96.1	0.1%	1	S-	4	С	2

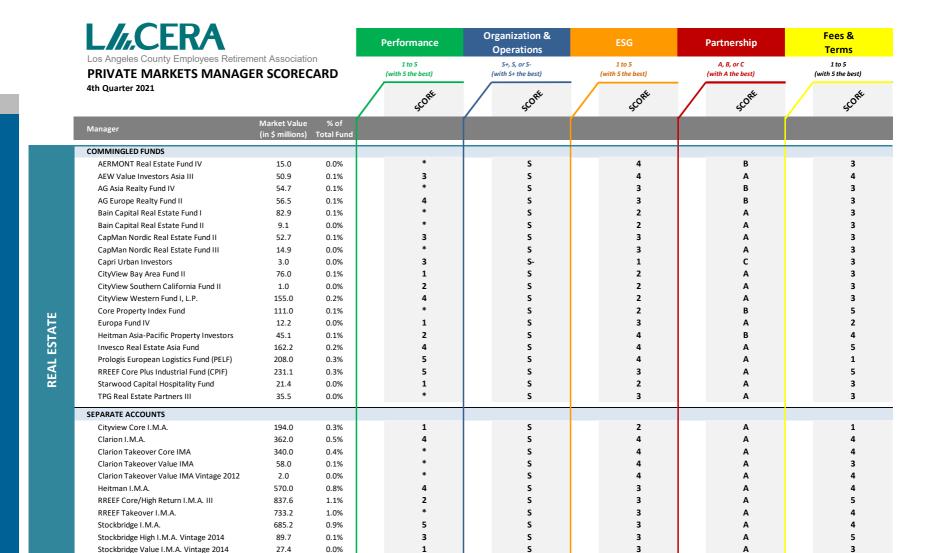


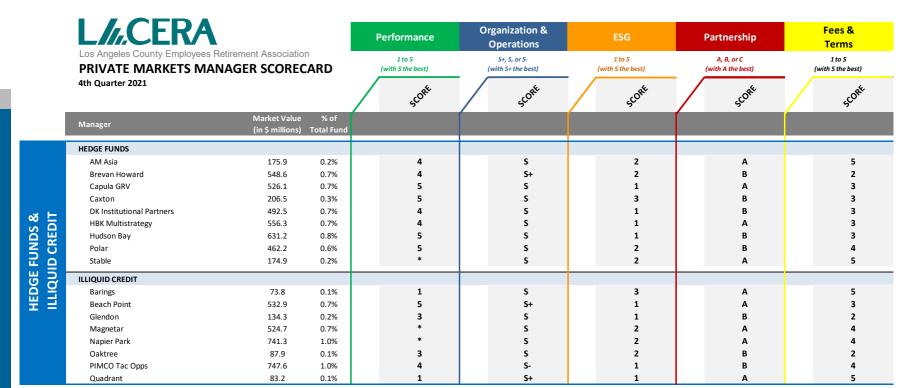
PRIVATE EQUITY

PRIVATE	MARKETS	MANAGER	SCORECARD
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	4th Quarter 2021			SCO ^{RE}	SCORE	SCORE	SCORE	scope
	Manager	Market Value (in \$ millions)	% of Total Fund					
	GROWTH EQUITY							
	Australis Partners	89.6	0.1%	1	S	4	В	5
	JMI Equity	3.4	0.0%	2	S	3	С	2
	RedBird Capital Partners	137.0	0.2%	*	S	4	Α	4
	Summit Partners	79.6	0.1%	5	S+	3	В	4
	TA Associates	81.0	0.1%	*	S+	4	В	4
	Technology Crossover Ventures	24.3	0.0%	4	S	2	В	3
-	VENTURE CAPITAL							
	BlueRun Ventures	99.9	0.1%	4	S	2	Α	2
	Canaan Partners	137.3	0.2%	2	S+	3	Α	4
	GGV Capital	611.5	0.8%	1	S	3	Α	3
ਜ਼	Institutional Venture Partners	240.3	0.3%	3	S	1	С	5
Jue	Joy Capital	82.8	0.1%	*	S	2	Α	4
(continued)	Lilly Asia Ventures	184.9	0.2%	5	S	4	В	2
3	Sinovation Ventures	80.9	0.1%	1	S	2	В	2
	Storm Ventures LLC	171.7	0.2%	3	S	3	Α	4
	Union Square	209.5	0.3%	5	S+	1	В	5
	SPECIAL SITUATIONS							
	Alchemy Partners	27.4	0.0%	*	S	3	В	4
	Black Diamond	126.2	0.2%	1	S	3	С	4
	Centerbridge	94.9	0.1%	5	S	4	А	2
	FUND OF FUNDS							
	Gateway	844.6	1.1%	5	S	3	В	4
	MS GTB Capital Partners	300.4	0.4%	1	S	4	Α	2
	J.P. Morgan	460.5	0.6%	3	S+	+	В	4





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Organization & Operations

- Includes factors such as organization, professional staff, investment philosophy & process, risk management, legal & compliance framework, diversity & inclusion
- 'S' stands for Satisfactory

ESG

- Evaluates the extent to which material ESG factors are identified, assessed, and incorporated into risk/return analysis and portfolio construction
- '+' denotes mandates where ESG scores are currently under review

Partnership

· Assesses the quality of investment manager relationships both quantitatively and qualitatively

Fees & Terms

· Compares various fees and terms within each asset category, strategy and/or investment structure