# New Mexico PERA - NM PERA - Illiquid Real Estate

Private Markets Performance Review

2Q 2023

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### **Portfolio Performance Notes**

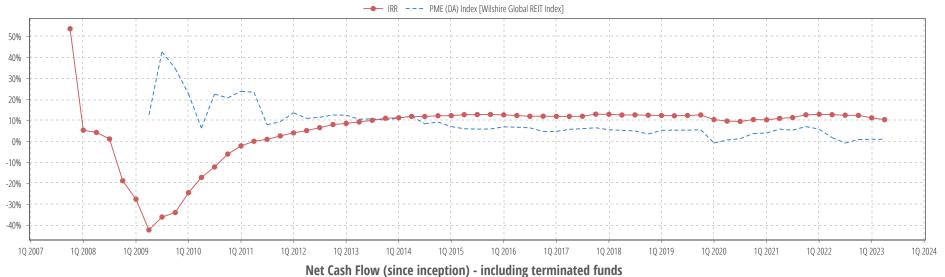
Albourne conducted the portfolio analysis reflected in this report

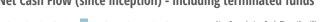
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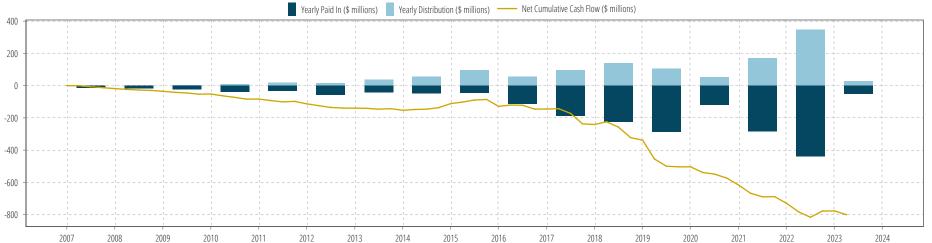
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### **Funding Status & Performance Overview**

#### **Benchmarked Performance (Since Inception) - including terminated funds**







### **Summary By Asset Class - including terminated funds**

Asset Class	# Funds	Commitment (000's) <sup>1</sup>	Paid In (000's)	Funded	Unfunded Commitment (000's)	Distributions (000's)	Current NAV (000's)	% NAV	IRR	PME (DA) Alpha	DPI	TVPI
Core-Plus	7	1,036,436	997,460	93%	118,229	280,679	838,068	58.97%	5.37%	+8.19%	0.28	1.12
Opportunistic	20	911,804	812,708	81%	186,395	821,853	441,835	31.09%	13.34%	+10.60%	1.01	1.55
Value Added	6	252,280	218,645	86%	35,911	125,952	141,365	9.95%	7.60%	+5.45%	0.58	1.22
Portfolio Total	33	2,200,520	2,028,813	89%	340,535	1,228,484	1,421,268	100.00%	10.38%	+9.36%	0.61	1.31

<sup>&</sup>lt;sup>1</sup>Original Commitment Made

### **Summary By Vintage Year - including terminated funds**

Vintage Year	# Funds	Commitment (000's) <sup>1</sup>	Paid In (000's)	Funded	Unfunded Commitment (000's)	Distributions (000's)	Current NAV (000's)	% NAV	IRR	PME (DA) Alpha	DPI	TVPI
2006	1	21,081	38,134	95%	1,497	56,899	74	0.01%	8.99%	-0.86%	1.49	1.49
2007	3	61,899	61,160	97%	2,060	78,526	13,270	0.93%	7.20%	+2.21%	1.28	1.50
2008	3	73,340	68,528	90%	7,991	98,648	3,539	0.25%	10.99%	+6.72%	1.44	1.49
2009	1	18,302	18,302	100%	0	30,153	0	0.00%	19.05%	+11.76%	1.65	1.65
2011	2	38,558	44,154	85%	7,409	69,169	3,770	0.27%	18.28%	+17.05%	1.57	1.65
2012	2	72,322	73,093	93%	5,869	98,801	12,402	0.87%	12.07%	+11.22%	1.35	1.52
2013	1	50,000	45,744	80%	11,756	67,451	14,051	0.99%	19.78%	+17.73%	1.47	1.78
2014	2	105,020	96,452	92%	8,569	108,072	37,749	2.66%	12.81%	+11.75%	1.12	1.51
2015	1	60,000	57,315	94%	3,776	34,556	28,961	2.04%	3.04%	+2.77%	0.60	1.11
2016	3	209,849	189,015	81%	46,027	250,398	126,487	8.90%	19.47%	+18.55%	1.32	1.99
2017	5	747,532	728,328	92%	96,246	288,565	501,236	35.27%	3.19%	+5.97%	0.40	1.08
2018	3	192,607	133,193	68%	62,708	30,884	118,770	8.36%	5.82%	+9.80%	0.23	1.12
2019	1	50,000	35,411	69%	15,831	2,155	35,424	2.49%	3.61%	+8.69%	0.06	1.06
2020	3	200,011	129,218	65%	70,796	1,792	149,347	10.51%	n/m	n/m	n/m	n/m
2021	1	200,000	210,768	100%	0	10,768	271,335	19.09%	n/m	n/m	n/m	n/m
2022	1	100,000	100,000	100%	0	1,648	104,854	7.38%	n/m	n/m	n/m	n/m
Portfolio Total	33	2,200,520	2,028,813	89%	340,535	1,228,484	1,421,268	100.00%	10.38%	+9.36%	0.61	1.31

<sup>&</sup>lt;sup>1</sup>Original Commitment Made

### **Summary By Fund Type - including terminated funds**

Fund Type	# Funds	Commitment (000's) <sup>1</sup>	Paid In (000's)	Funded	Unfunded Commitment (000's)	Distributions (000's)	Current NAV (000's)	% NAV	IRR	PME (DA) Alpha	DPI	TVPI
Primary Fund	28	1,303,106	1,131,111	81%	264,829	985,584	647,921	45.59%	11.76%	+9.34%	0.87	1.44
Client Specific Fund	2	497,414	486,935	92%	75,707	223,004	273,731	19.26%	0.94%	+4.30%	0.46	1.02
Open-Ended Private Fund	3	400,000	410,768	100%	0	19,896	499,616	35.15%	12.89%	+15.66%	0.05	1.26
Portfolio Total	33	2,200,520	2,028,813	89%	340,535	1,228,484	1,421,268	100.00%	10.38%	+9.36%	0.61	1.31

<sup>&</sup>lt;sup>1</sup>Original Commitment Made

### **Summary By Fund Status - including terminated funds**

<b>Fund Status</b>	# Funds	Commitment (000's) <sup>1</sup>	Paid In (000's)	Funded	Unfunded Commitment (000's)	Distributions (000's)	Current NAV (000's)	% NAV	IRR	PME (DA) Alpha	DPI	TVPI
Current	29	1,975,239	1,803,532	88%	340,535	968,728	1,421,268	100.00%	11.02%	+10.42%	0.54	1.33
Terminated	4	225,281	225,281	100%	0	259,756	0	0.00%	6.02%	+1.39%	1.15	1.15
<b>Portfolio Total</b>	33	2,200,520	2,028,813	89%	340,535	1,228,484	1,421,268	100.00%	10.38%	+9.36%	0.61	1.31

<sup>&</sup>lt;sup>1</sup>Original Commitment Made

### Inflows/Outflows 2Q 2023 - including terminated funds

Asset Class	# Funds	Paid In (000's)	Distributed (000's)	Net Cash Flow(000's)
Core-Plus	7	30,402	2,763	-27,640
Opportunistic	20	4,550	17,918	13,368
Value Added	6	8,919	138	-8,781
Total	33	43,872	20,819	-23,053

### Inflows/Outflows Year to Date 2023 - including terminated funds

Asset Class	# Funds	Paid In (000's)	Distributed (000's)	Net Cash Flow(000's)
Core-Plus	7	32,023	4,877	-27,146
Opportunistic	20	10,483	23,573	13,090
Value Added	6	8,919	219	-8,699
Total	33	51,425	28,669	-22,756

# **Performance Summary**

### Performance Summary (1)

Asset Class	Vintage	TVPI	DPI	IRR	PME (DA) Alpha
Core-Plus					(2.1)
GEM Realty Evergreen Fund, L.P.	2017	1.31	0.07	6.99%	+8.92%
New Rock Core Fund, L.P.	2017	1.00	0.13	0.11%	+6.43%
Rockpoint Growth and Income Real Estate Fund II, L.P.	2017	1.07	0.49	1.82%	+2.36%
Rockpoint Growth and Income Real Estate Fund III	2018	0.90	0.02	-6.97%	-10.96%
Stockbridge Niche Logistics Fund	2021	n/m	n/m	n/m	n/m
Rockwood Multifamily Partners	2022	n/m	n/m	n/m	n/m
Total - Core-Plus		1.14	0.12	5.97%	+9.69%
Opportunistic					
Carlyle Realty Partners V	2006	1.49	1.49	8.99%	-0.86%
Walton Street Real Estate Partners VI, L.P.	2007	1.64	1.14	8.38%	+4.49%
Blackstone Real Estate Partners Europe III L.P.	2008	1.43	1.37	10.05%	+6.92%
North Haven Real Estate Fund VII Global (fka MSREF VII)	2008	1.37	1.35	10.23%	+6.11%
Starwood Opportunity Fund VIII, L.P.	2008	1.67	1.60	12.16%	+6.88%
Carlyle Realty Partners VI	2011	1.46	1.38	17.30%	+14.72%
Starwood Distressed Opportunity Fund IX Global, L.P.	2011	1.83	1.74	19.00%	+18.84%
Blackstone Real Estate Partners VII L.P.	2012	1.66	1.49	13.23%	+12,28%
Wheelock Street Real Estate Fund II, L.P.	2013	1.78	1.47	19.78%	+17.73%
Harrison Street Real Estate Partners V, L.P.	2014	1.56	0.96	10.39%	+9.24%
Starwood Opportunity Fund X, L.P.	2014	1.47	1.25	16.15%	+15.16%
Harrison Street Real Estate Fund VI-A, L.P.	2016	1.43	0.75	9.51%	+9.08%
KSL Capital Partners IV, L.P.	2016	1.70	0.86	15.28%	+14.66%
PW Real Estate Fund III LP	2016	3.01	2.56	31.80%	+28.41%
Starwood Opportunity Fund XI Global, L.P.	2017	1.24	0.32	11.13%	+15.55%
Aermont Capital Real Estate Fund IV SCSp	2018	0.81	0.00	-10.58%	-2.30%
Harrison Street Real Estate Partners VII	2018	1.39	0.44	15.07%	+17.75%

Information in this section relates to active investments only

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	Performance Summary (2)				
Asset Class	Vintage	TVPI	DPI	IRR	PME (DA) Alpha
Harrison Street Real Estate Partners VIII, L.P.	2020	1.14	0.01	9.90%	+22.14%
Starwood Distressed Opportunity Fund XII Global, LP	2020	n/m	n/m	n/m	n/m
Total - Opportunistic		1.56	1.00	13.46%	+10.83%
Value Added					
Rockwood Capital Real Estate Partners Fund IX, L.P.	2012	1.35	1.17	9.94%	+9.19%
Rockwood Capital Real Estate Partners Fund X, L.P.	2015	1.11	0.60	3.04%	+2.77%
Rockwood Capital Real Estate Partners Fund XI, L.P.	2019	1.06	0.06	3.61%	+8.69%
Stockbridge Value Fund IV, LP	2020	n/m	n/m	n/m	n/m
Total - Value Added		1.17	0.41	7.06%	+8.42%
Portfolio Total		1.33	0.54	11.02%	+10.42%

# **Funding Status**

Funding Status (1)

Asset Class	Vintage	Commitment Date	Fund Size (000's)	Commitment (000's) <sup>1</sup>	Paid In (000's)	Distributions (000's)	Funded	Current NAV (000's)	Data
Core-Plus									
GEM Realty Evergreen Fund, L.P.	2017	2Q 2018		100,000	100,000	7,480	100%	123,428	2Q 2023
New Rock Core Fund, L.P.	2017	4Q 2017		325,000	314,521	41,496	90%	273,731	2Q 2023
Rockpoint Growth and Income Real Estate Fund II, L.P.	2017	1Q 2017	1,663,000	79,022	75,393	37,213	93%	43,366	2Q 2023
Rockpoint Growth and Income Real Estate Fund III	2018	3Q 2018	2,000,000	60,000	24,364	566	40%	21,355	2Q 2023
Stockbridge Niche Logistics Fund	2021	1Q 2021		200,000	210,768	10,768	100%	271,335	2Q 2023
Rockwood Multifamily Partners	2022	3Q 2022		100,000	100,000	1,648	100%	104,854	2Q 2023
Total - Core-Plus				864,022	825,046	99,171	92%	838,068	
Opportunistic									
Carlyle Realty Partners V	2006	1Q 2007	3,000,000	21,081	38,134	56,899	95%	74	2Q 2023
Walton Street Real Estate Partners VI, L.P.	2007	2Q 2009	1,935,000	27,333	26,594	30,431	92%	13,270	2Q 2023
Blackstone Real Estate Partners Europe III L.P.	2008	4Q 2008	3,475,607	28,175	26,638	36,380	90%	1,712	2Q 2023
North Haven Real Estate Fund VII Global (fka MSREF VII)	2008	2Q 2009	4,000,000	20,166	19,212	26,018	89%	248	2Q 2023
Starwood Opportunity Fund VIII, L.P.	2008	3Q 2008	1,829,300	25,000	22,678	36,250	91%	1,579	2Q 2023
Carlyle Realty Partners VI	2011	3Q 2011	2,340,000	13,558	20,904	28,757	76%	1,694	2Q 2023
Starwood Distressed Opportunity Fund IX Global, L.P.	2011	1Q 2012	4,200,000	25,000	23,250	40,412	93%	2,077	2Q 2023
Blackstone Real Estate Partners VII L.P.	2012	3Q 2012	13,300,000	38,355	41,099	61,242	92%	6,893	2Q 2023
Wheelock Street Real Estate Fund II, L.P.	2013	4Q 2013	625,000	50,000	45,744	67,451	80%	14,051	2Q 2023
Harrison Street Real Estate Partners V, L.P.	2014	4Q 2014	850,000	45,020	42,452	40,683	94%	25,653	2Q 2023
Starwood Opportunity Fund X, L.P.	2014	3Q 2014	5,600,000	60,000	54,000	67,389	90%	12,096	2Q 2023
Harrison Street Real Estate Fund VI-A, L.P.	2016	3Q 2016	950,000	75,000	69,320	51,909	90%	47,432	2Q 2023
KSL Capital Partners IV, L.P.	2016	4Q 2015	2,677,000	60,000	63,256	54,230	76%	53,309	2Q 2023
PW Real Estate Fund III LP	2016	4Q 2015	1,636,350	74,849	56,439	144,260	77%	25,747	2Q 2023
Starwood Opportunity Fund XI Global, L.P.	2017	3Q 2016	7,555,500	71,095	66,000	20,868	81%	60,711	2Q 2023
Aermont Capital Real Estate Fund IV SCSp	2018	1Q 2018	2,181,800	57,681	40,185	0	71%	32,369	2Q 2023
Harrison Street Real Estate Partners VII	2018	4Q 2018	1,300,000	74,926	68,644	30,318	88%	65,046	2Q 2023
Harrison Street Real Estate Partners VIII, L.P.	2020	4Q 2020	2,000,000	75,000	58,593	318	78%	66,699	2Q 2023
Starwood Distressed Opportunity Fund XII Global, LP	2020	3Q 2020	10,064,825	50,000	10,000	0	20%	11,177	2Q 2023
Total - Opportunistic				892,238	793,142	793,814	81%	441,835	

<sup>&</sup>lt;sup>1</sup>Original Commitment Made

### Funding Status (2)

Asset Class	Vintage	Commitment Date	Fund Size (000's)	Commitment (000's) <sup>1</sup>	Paid In (000's)	Distributions (000's)	Funded	Current NAV (000's)	Data
Value Added									
Rockwood Capital Real Estate Partners Fund IX, L.P.	2012	3Q 2012	678,000	33,968	31,993	37,559	94%	5,508	2Q 2023
Rockwood Capital Real Estate Partners Fund X, L.P.	2015	3Q 2015	1,100,000	60,000	57,315	34,556	94%	28,961	2Q 2023
Rockwood Capital Real Estate Partners Fund XI, L.P.	2019	4Q 2019	1,148,000	50,000	35,411	2,155	69%	35,424	2Q 2023
Stockbridge Value Fund IV, LP	2020	4Q 2020	562,000	75,011	60,625	1,474	81%	71,472	2Q 2023
Total - Value Added				218,979	185,344	75,744	84%	141,365	
Portfolio Total				1,975,239	1,803,532	968,728	88%	1,421,268	

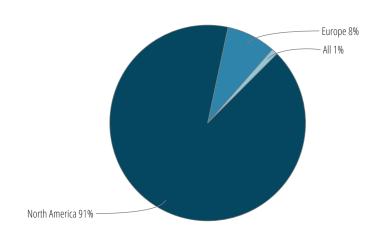
<sup>1</sup>Original Commitment Made

# **Largest Relationship Concentrations by Manager Group**

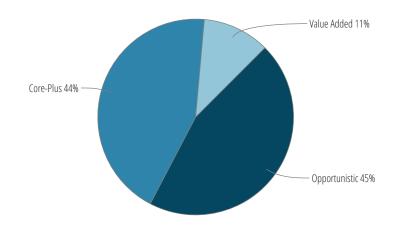
Manager	Commitment (m)	Actual (m)	Proposed (m)	% of Total Commitments
Rockwood Capital, LLC	569	569	0	28.8%
Stockbridge Group	275	275	0	13.9%
Harrison Street	270	270	0	13.7%
Starwood Group	231	231	0	11.7%
Rockpoint Group LLC	139	139	0	7.0%
Aermont Capital	133	133	0	6.7%
GEM Realty Capital, Inc.	100	100	0	5.1%
The Blackstone Group	67	67	0	3.4%
KSL Capital Partners	60	60	0	3.0%
Wheelock Street Capital	50	50	0	2.5%

# **Exposure by Region and Asset Class**

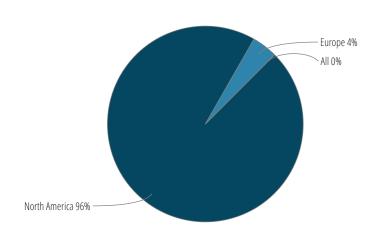
**Exposure by Region (Commitments)** 



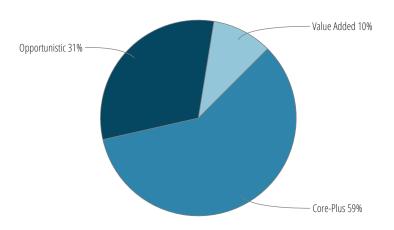
**Exposure by Asset Class (Commitments)** 



**Exposure by Region (NAV)** 

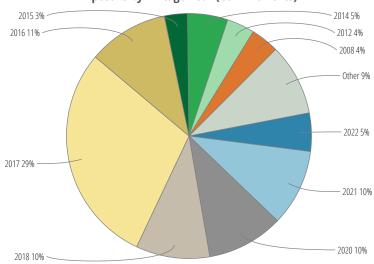


Exposure by Asset Class (NAV)

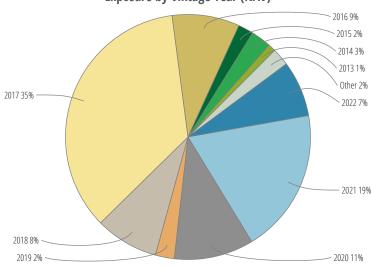


### **Exposure by Vintage Year**

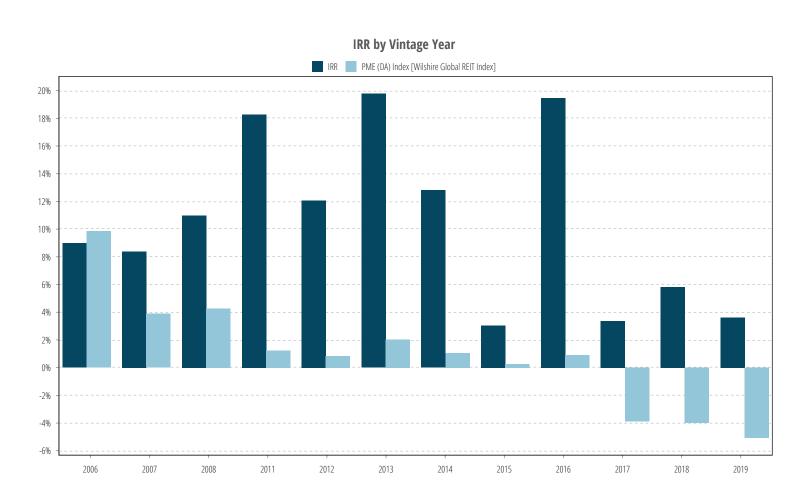


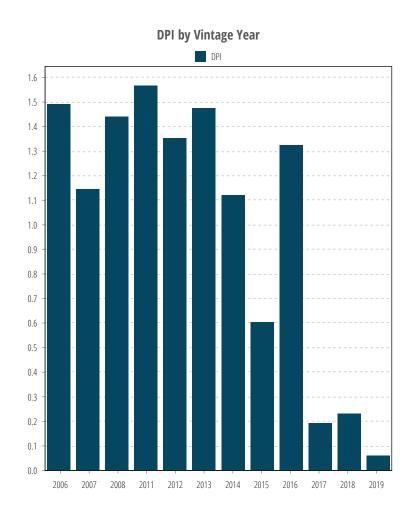


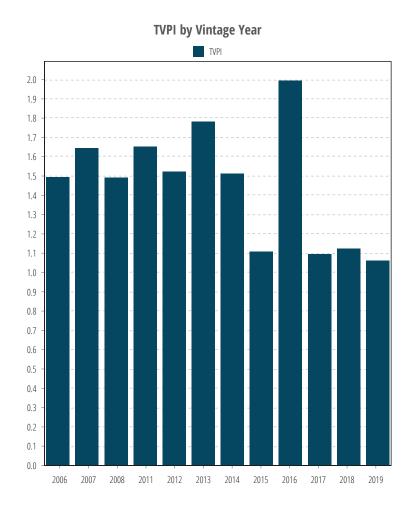
### **Exposure by Vintage Year (NAV)**



# **Cash Flow Analysis**







# **Investment Analysis**

### Investments by Industry

Industry Group	Invested Capital (000's)	% of Total Assets	Current Mkt Value (000's)	% of Current Mkt Value
Total	820,054	100.0%	785,327	100.0%
Equity Real Estate Investment Trusts (REITs)	377,716	46.1%	346,338	44.1%
Real Estate - Industrial	309,124	37.7%	305,169	38.9%
Real Estate - Residential	51,386	6.3%	59,192	7.5%
Consumer Services	41,871	5.1%	44,063	5.6%
Real Estate - Retail	29,802	3.6%	28,008	3.6%
Interest Rate - Cash	12,800	1.6%	12,800	1.6%
Real Estate - Office	12,652	1.5%	10,016	1.3%
Real Estate - Other	6,505	0.8%	1,660	0.2%
Transportation	5,524	0.7%	7,458	0.9%
Financial Services	2,769	0.3%	1,086	0.1%
Real Estate Management & Development	311	0.0%	207	0.0%
Consumer Durables & Apparel	232	0.0%	126	0.0%
Real Estate - Senior Housing	140	0.0%	0	0.0%
Capital Goods	21	0.0%	0	0.0%
No Sector Specified	-30,798	-3.8%	-30,798	-3.9%

### **Investments by Country**

Country	Invested Capital (000's)	% of Total Assets	Current Mkt Value (000's)	% of Current Mkt Value
Total	820,054	100.0%	785,327	100.0%
United States	807,525	98.5%	780,849	99.4%
United Kingdom	24,267	3.0%	23,177	3.0%
Germany	3,454	0.4%	2,623	0.3%
Italy	3,073	0.4%	3,088	0.4%
India	1,346	0.2%	713	0.1%
Brazil	1,221	0.1%	433	0.1%
Australia	1,132	0.1%	211	0.0%
Russia	978	0.1%	0	0.0%
China	965	0.1%	120	0.0%
Ireland	652	0.1%	239	0.0%
Japan	607	0.1%	0	0.0%
Spain	512	0.1%	454	0.1%
France	429	0.1%	300	0.0%
Mexico	329	0.0%	311	0.0%
Poland	314	0.0%	401	0.1%
Luxembourg	143	0.0%	314	0.0%
Dominican Republic	105	0.0%	105	0.0%
Sweden	97	0.0%	0	0.0%
Czech Republic	86	0.0%	0	0.0%
Netherlands	64	0.0%	86	0.0%
Turkey	64	0.0%	64	0.0%
Singapore	42	0.0%	0	0.0%
Colombia	21	0.0%	0	0.0%
Hong Kong	21	0.0%	0	0.0%
Portugal	21	0.0%	0	0.0%
No Country Specified	-27,414	-3.3%	-28,162	-3.6%

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Private Markets Performance Review

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#### **Appendix**

1. **Basis of Reporting:** This report is intended for performance reporting and analysis and is not an accounting record, such that it is based on data at the fund level derived from capital account statements on a quarterly basis, rather than from an analysis of individual drawdown and distribution notices. Thus, detailed accounting information will not necessarily reconcile precisely with this data. However, for performance reporting and benchmarking purposes any differences are likely to be immaterial when a fund has existed for more than 4-5 quarters.

- 2. **Fund Currency:** Funds that are formed in a currency other than the portfolio reporting currency have had their cash flows, NAVs and unfunded commitments converted at the relevant end-quarter spot exchange rates.
- 3. **Private Equity:** The term is used herein to refer to the entire alternative asset sector which includes buy-outs, venture capital, growth capital, distressed, secondaries, and similar strategies within the structure of a long-duration, multi-drawdown closed ended fund.
- 4. **Benchmarking of Funds and Peer Group:** Benchmarking indices are derived from Burgiss Private iQ benchmarks for the relevant quarter, though in selected cases, mainly for Real Estate, benchmark indices may be derived from Preqin. Quartiles are illustrated as: Upper Quartile Dark Green; Second Quartile Light Green; Third Quartile Yellow; Lower Quartile Red. Funds and benchmarks with n/m (not meaningful) are too young to have produced meaningful returns. Analysis and comparison of such partnership returns to benchmark statistics may be irrelevant. As a default any fund that is less than 3 years from inception will show as n/m. That over-ride can be lifted on request. For Credit and Secondary funds the over-ride is typically lifted after one year or less.
- 5. **Benchmark Currency:** It is important to note that benchmarks are typically denominated in USD, Euro, GBP, JPY, CAD or AUD, comparison against peer group benchmarks may be subject to currency exchange related issues and need to be considered appropriately. The PME for such funds will normally provide a more reliable benchmark comparison against the fund IRR.
- 6. Internal Rate of Return ("IRR"): The IRR represents the cash-on-cash return net of fees, expenses and carried interest, as well as the terminal net asset value of the investment in the partnership, or of the portfolio, as appropriate.
- 7. **Distributed to Paid In multiple ("DPI"):** DPI is calculated by dividing the total distributions from a fund by the amount of capital paid to the fund.
- 8. **Total Value/Paid-In multiple ("TVPI"):** TVPI is calculated by dividing the sum of the remaining investment net asset value (NAV) and total distributions from the fund, by the capital paid to the fund.
- 9. **Public Market Equivalent ("PME"):** PME represents the IRR that would have been achieved if the individual cash flows for the particular fund had been invested in a public benchmark. Note that a different public benchmark might associated with each fund in the portfolio. This analysis utilizes the Gredil-Griffiths-Stucke Direct Alpha methodology to calculate an annualized excess return, describing the relative performance of the private markets investment to the stated index as of the measurement date. The calculation is an IRR, based on the series of fund cash flows and the residual value, discounted to a single point in time using the public benchmark index returns. The cash flows are discounted to the same point in time to effectively eliminate the impact of any changes in the public equity index from the private markets cash flows. Direct Alpha, when shown, represents the excess or deficit of the fund IRR compared to the PME. Thus a Direct Alpha of 3.3% indicates that the private investment has generated an annualized excess return of 3.3% over the public index. Where a partnership benchmark and no index aggregation has been utilized, with respect to PME and Direct Alpha for the portfolio sub-aggregates, the stated portfolio public index is used. Where an aggregated index has been utilized, with respect to PME and Direct Alpha for the portfolio/sub-portfolio.
- 10. **Pooled Mean Benchmark:** The pooled mean benchmark is calculated as the performance index that would have arisen from committing to all funds in the benchmark dataset for the same vintages and same strategies that the portfolio committed to. Compared to the actual performance of the portfolio it represents a measure of manager selection.
- 11. **Late Closings:** When interest is identified as having been paid or received in relation to late closings, any penalty interest paid will be added to paid-in and to commitment increases, whilst interest received (as a result of other LPs coming in late) will be added to distributions. Where a commitment is made after the first closing of a fund, this reporting system applies an accruals basis such that it reflects the retrospective liability that exists to the fund in previous periods. If the closings span a financial year end then there will be a reconciliation difference at the year-end compared with a cash accounting basis.
- 12. **Number of Funds:** The number of funds shown in the Portfolio Summaries towards the front of this report will normally include liquidated and terminated funds, so that the number of funds in the Portfolio Summaries may be higher than the number of funds in the current portfolio as listed in the Performance Summary and Funding Status.
- 13. **Recallable Capital:** Funds may return some capital to LPs under conditions set within the LPA to the extent that it is capable of being recalled during an agreed time period. In such cases the distributed sum is added to Distributions but is also added to the original level of Commitment, since, in essence, the level of commitment to the fund will have increased. Amounts of capital that has been denominated as Recallable can be highlighted in a separate column headed Commitment Increases so that it can identified to enable reconciliation.
- 14. **Commitment Increases:** This will include any potential recallable distributions as well as amounts paid outside of commitments.
- 15. **Distributions:** Cumulative cash and stock distributions received since inception through the reporting date. Stock distributions are the proceeds received from the sale of the stock, rather than the value of the stock as reported by the partnership(s), unless otherwise noted.
- 16. **Inception Date:** The Inception Date is the quarter that the fund first came into existence, whether or not the particular LP commitment was made at that time.
- 17. **Funded:** The % Funded is represented by Commitment plus Commitment Increases less Paid In, as a percentage of Commitment.
- 18. **Unfunded Commitment:** Commitment plus Commitment Increase less Paid In.
- 19. **Data:** The column headed Data shows the quarter of the latest Capital Account Statement received for the relevant fund.

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20. **Investment Analysis by Industry and Country:** If this analysis is featured at the end of this report, it works at the underlying investment level and includes all investments within funds for which managers have provided discrete data. Thus, it typically excludes investments within Funds of Funds, most Distressed funds and Secondary funds since the granularity of data for the underlying funds or investments is either extremely complex or will not have been provided by the fund for this type of analysis.

- 21. **Secondary Sales:** When funds are disposed of via a secondary sale they are removed from the portfolio as shown in the Performance Summary and Funding Status. They will be summarized in a later schedule with performance shown to the date of sale.
- 22. **Terminated Funds:** When a fund is liquidated or terminated it will remain in the portfolio for all periods that it was in existence, so that running the portfolio report for a relevant historic point in time will show such fund, whilst running the report for periods after termination of the fund, it will not show that fund in the portfolio. It is important to note that terminated funds remain in the body of the portfolio at ALL times. It is only the appearance of whether they show in a portfolio report that changes depending on whether they were active and in existence at the time the report is run, or not. As default, in the Funding Status and Performance Overview Charts coupled with the Portfolio Summaries by Asset Class, Vintage Year and Fund Type, terminated funds ARE included within the portfolio. By default, terminated funds are NOT included in the current main listings of the portfolio performance and funding status. Instead, they are listed in a later separate summary.
- 23. **Exposure by Region and Strategy:** These pie charts are analyzed at the fund level. Thus a fund that invests worldwide but is headquartered in the US, will typically be included as a US fund, even though some investments may be made internationally.
- 24. Time Weighted Returns: When a table of TWRs is included this is calculated utilizing the Modified Dietz methodology. Benchmark indices utilized are derived from Burgiss Private iQ for most strategies, though for Real Estate funds they may use Preqin data.