

# TABLE OF CONTENTS

	Page
Executive Summary	3
Composite Performance & Cash Flow Summary	6
Asset Composite Report	7
Vintage Year Composite Report	8
Fund Performance Report	9
Reconciliation with Traditional Report	12



#### **Executive Summary**

#### **General Comments**

- Through this reporting period, Wyoming State Treasurer's Office has committed a total of \$2,425,765,200 to 20 non-marketable alternative investments.
- The average age of active investments (based upon vintage year and weighted by commitment) was 7.19 years.
- A total of \$2,342,266,778 has been called or otherwise contributed to date.
- Distributions have totaled \$2,268,308,122 since plan inception.
- The residual estimated value of interests in these partnerships/investments is \$1,427,174,187.
- Since inception net performance for the investments are as follows:
  - O Annualized since-inception estimated Internal Rate of Return (IRR) of 12.75%.
  - O Were an investment into the benchmark index (S&P 500 Index (Cap Wtd)) ("Index IRR") made with the identical cash-flow pattern, the resulting return would be equal to 12.26% indicating roughly 48 basis points of annualized out-performance.
  - O For every \$1 paid into the portfolio, \$1.58 has been returned as a distribution or is held in residual value (multiple on invested capital = 1.58x).



Wyoming State Treasurer's Office

As of September 30, 2021

Executive Summary

#### **Hedge Funds - Opportunistic**

- Hedge Funds Opportunistic funds account for 18.55% of commitments, 19.21% of contributed funds, 24.38% of distributed funds, and 2.31% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - Annualized since-inception IRR of 7.70%
  - S&P 500 Index (Cap Wtd) IRR of 13.71%
  - A multiple on invested capital of 1.30x.

#### **Private Equity - Buyout**

- Private Equity Buyout funds account for 19.58% of commitments, 6.96% of contributed funds, 0.00% of distributed funds, and 18.76% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - Annualized since-inception IRR of 40.65%
  - S&P 500 Index (Cap Wtd) IRR of 20.87%
  - A multiple on invested capital of 1.64x.

#### **Private Equity - Growth Equity**

- Private Equity Growth Equity funds account for 2.06% of commitments, 1.39% of contributed funds, 0.00% of distributed funds, and 3.22% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - Annualized since-inception IRR Not Material
  - O S&P 500 Index (Cap Wtd) IRR Not Material
  - A multiple on invested capital of 1.41x.

#### **Private Equity - Multi-Stage**

- Private Equity Multi-Stage funds account for 27.12% of commitments, 42.31% of contributed funds, 54.70% of distributed funds, and 39.82% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - Annualized since-inception IRR of 14.53%
  - O S&P 500 Index (Cap Wtd) IRR of 9.80%
  - A multiple on invested capital of 1.83x.



Wyoming State Treasurer's Office

As of September 30, 2021

Executive Summary

#### **Private Equity - Secondaries**

- Private Equity Secondaries funds account for 1.94% of commitments, 0.00% of contributed funds, 0.00% of distributed funds, and 0.00% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - O Annualized since-inception IRR Not Material
  - O S&P 500 Index (Cap Wtd) IRR Not Material
  - O A multiple on invested capital Not Material

#### **Private Equity - Venture**

- Private Equity Venture funds account for 0.41% of commitments, 0.43% of contributed funds, 0.75% of distributed funds, and 0.19% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - Annualized since-inception IRR of 9.62%
  - S&P 500 Index (Cap Wtd) IRR of 14.07%
  - O A multiple on invested capital of 1.97x.

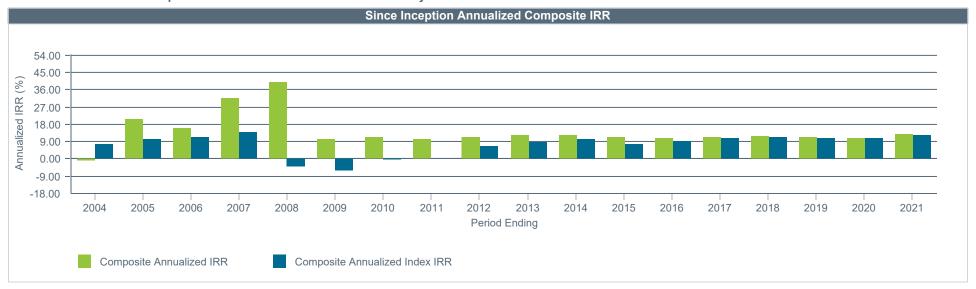
#### **Real Estate - Opportunistic**

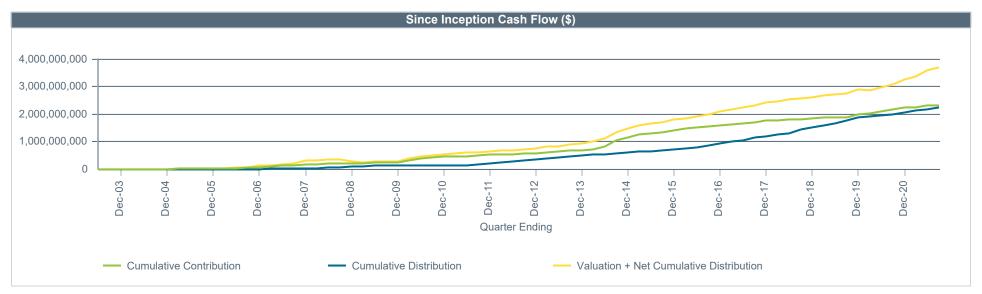
- Real Estate Opportunistic funds account for 6.18% of commitments, 8.90% of contributed funds, 6.89% of distributed funds, and 12.99% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - Annualized since-inception IRR of 14.87%
  - S&P 500 Index (Cap Wtd) IRR of 13.74%
  - A multiple on invested capital of 1.64x.

#### Real Estate - Value Added

- Real Estate Value Added funds account for 24.15% of commitments, 20.80% of contributed funds, 13.28% of distributed funds, and 22.71% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - Annualized since-inception IRR of 8.16%
  - S&P 500 Index (Cap Wtd) IRR of 14.52%
  - A multiple on invested capital of 1.28x.







Index IRR represents the dollar-weighted returns calculated using the S&P 500 Index (Cap Wtd) assuming an index investment with the same cash flow timing. This report may contain valuations for investments that are preliminary estimates of valuation as of the date of reporting which reflect the estimated impact of subsequent net cash contributions/distributions. These figures may be used in calculations contained in this report. IRRs are shown only for investments with one year or more of cash flows and for which an accurate IRR could be calculated.



#### **Alternative Investment Asset Class Composite Performance**

Asset Class	Commitment (\$)	Paid In Capital (\$)	Distributions (\$)	Valuation (\$)	Asset Class IRR (%)	Index IRR (%)	Asset Class Multiple
Hedge Funds - Opportunistic	450,000,000	450,000,000	552,955,208	32,966,974	7.70	13.71	1.30
Private Equity - Buyout	475,000,000	163,089,659	0	267,765,162	40.65	20.87	1.64
Private Equity - Growth Equity	50,000,000	32,602,953	0	45,904,330	N/M	N/M	1.41
Private Equity - Multi-Stage	657,950,000	990,926,600	1,240,848,378	568,365,646	14.53	9.80	1.83
Private Equity - Secondaries	47,022,000	0	0	0	N/M	N/M	
Private Equity - Venture	10,000,000	10,000,000	17,004,313	2,689,366	9.62	14.07	1.97
Real Estate - Opportunistic	150,000,000	208,490,574	156,341,023	185,392,065	14.87	13.74	1.64
Real Estate - Value Added	585,793,200	487,156,992	301,159,200	324,090,644	8.16	14.52	1.28
	2,425,765,200	2,342,266,778	2,268,308,122	1,427,174,187	12.75	12.26	1.58

Index IRR represents the dollar-weighted returns calculated using the S&P 500 Index (Cap Wtd) assuming an index investment with the same cash flow timing. IRRs are shown only for investments with one year or more of cash flows and for which an accurate IRR could be calculated. Applicable IRRs are marked with 'N/M' for not material. Asset Class IRR is the annualized since-inception net internal rate for the indicated fund or composite. This report may contain valuations for investments that are preliminary estimates of valuation as of the date of reporting which reflect the estimated impact of subsequent net cash contributions/distributions. These figures may be used in calculations contained in this report. Asset Class Multiple is the since inception sum of distributions and valuation divided by paid in capital.



### Wyoming State Treasurer's Office Alternative Investment Vintage Year Composite

Average Commitment-weighted Active Investment Age (in years): 7.19

Vintage Year	Commitment (\$)	Paid In Capital (\$)	Distributions (\$)	Valuation (\$)	Vintage Year IRR (%)	Index IRR (%)	Vintage Year Multiple	Cumulative Multiple
2003	257,950,000	622,316,689	934,376,400	163,635,873	13.90	7.72	1.76	1.76
2006	25,000,000	25,000,000	31,908,756	2,689,366	3.93	11.29	1.38	1.75
2007	10,000,000	9,647,233	14,158,891	0	8.58	10.70	1.47	1.75
2009	150,000,000	150,000,000	199,755,208	0	12.54	15.07	1.33	1.67
2010	102,225,000	87,930,692	136,432,558	8,533,587	10.05	14.62	1.65	1.67
2013	658,568,200	701,141,401	581,459,737	604,037,634	14.43	14.31	1.69	1.68
2014	300,000,000	300,000,000	353,200,000	32,966,974	5.76	12.57	1.29	1.62
2016	100,000,000	100,538,151	11,163,732	112,478,675	7.40	18.81	1.23	1.60
2019	275,000,000	155,600,924	0	257,102,601	39.56	20.88	1.65	1.60
2020	400,000,000	189,662,953	5,852,840	245,701,025	37.43	28.26	1.33	1.58
2021	147,022,000	428,735	0	28,451	N/M	N/M	0.07	1.58
TOTAL	2,425,765,200	2,342,266,778	2,268,308,122	1,427,174,187	12.75	12.26		1.58

Index IRR represents the dollar-weighted returns calculated using the S&P 500 Index (Cap Wtd) assuming an index investment with the same cash flow timing. IRRs are shown only for investments with one year or more of cash flows and for which an accurate IRR could be calculated. Applicable IRRs are marked with 'N/M' for not material. Vintage Year IRR is the annualized since-inception net internal rate for the indicated fund or composite. This report may contain valuations for investments that are preliminary estimates of valuation as of the date of reporting which reflect the estimated impact of subsequent net cash contributions/distributions. These figures may be used in calculations contained in this report. Vintage Year Multiple is the since inception sum of distributions and valuation divided by paid in capital. Cumulative Multiple is the since inception sum of distributions and valuation divided by paid in capital for all investments through the indicated vintage year.



### Wyoming State Treasurer's Office Alternative Investment Private Equity Fund Performance Listing

Fund Name	Vintage	Asset Class	Commitment	Paid In Capital	Distributions - Total	Distributions - Gain/Income	Distributions - ROC	Valuation	Fund IRR (%)	Quartile	Index IRR (%)	Fund Multiple
Cheyenne Capital Fund, LP		Private Equity - Multi-Stage	\$257,950,000	\$622,316,689	\$934,376,400	\$21,246,548	\$913,129,852	\$163,635,873	13.90	2nd	12.48	1.76
Access Venture Partners II, LP	/UUh	Private Equity - Venture	\$10,000,000	\$10,000,000	\$17,004,313	\$13,914,130	\$3,090,183	\$2,689,366	9.62	2nd	13.81	1.97
Hamilton Lane Wyoming Nowood Fund, LP		Private Equity - Multi-Stage	\$200,000,000	\$229,409,911	\$168,061,978	\$54,707,457	\$113,354,521	\$163,567,742	12.03	3rd	17.13	1.45
Neuberger Berman Sauger Fund, LP	70113	Private Equity - Multi-Stage	\$200,000,000	\$139,200,000	\$138,410,000	\$48,379,364	\$90,030,636	\$241,162,031	19.72	2nd	15.48	2.73
BlackRock Long Term Private Capital	7019	Private Equity - Buyout	\$275,000,000	\$155,600,924	\$0	\$0	\$0	\$257,102,601	39.56	2nd	33.84	1.65
Valor Equity Partners V, LP		Private Equity - Growth Equity	\$50,000,000	\$32,602,953	\$0	\$0	\$0	\$45,904,330	N/M	N/A	N/M	1.41
GTCR Fund XIII, LP	2020	Private Equity - Buyout	\$100,000,000	\$7,060,000	\$0	\$0	\$0	\$10,634,110	N/M	N/A	N/M	1.51
Veritas Capital Vantage Fund, LP	2021	Private Equity - Buyout	\$40,000,000	\$428,735	\$0	\$0	\$0	\$0	N/M	N/A	N/M	0.00
Nautic Partners X	2021	Private Equity - Buyout	\$60,000,000	\$0	\$0	\$0	\$0	\$28,451	N/M	N/A	N/M	0.00
StepStone VC Secondaries Fund V, LP	-7(1.7.1	Private Equity - Secondaries	\$47,022,000	\$0	\$0	\$0	\$0	\$0	N/M	N/A	N/M	0.00
TOTAL			\$1,239,972,000	\$1,196,619,212	\$1,257,852,691	\$138,247,500	\$1,119,605,191	\$884,724,504	15.03		13.80	1.79

Index IRR represents the dollar-weighted returns calculated using the Cambridge PE Index assuming an index investment with the same cash flow timing. IRRs are shown only for investments with one year or more of cash flows and for which an accurate IRR could be calculated. Applicable IRRs are marked with 'N/M' for not material. Fund IRR is the annualized since-inception net internal rate for the indicated fund or composite. Fund Multiple is the since inception sum of distributions and valuation divided by paid in capital. Quartile data is based on information provided by Preqin.

Cheyenne Capital Fund valuations set forth herein could be materially different once underlying investments are realized. Market conditions at the time of exit could be substantially different than at the reporting period, resulting in valuations different than those represented above. Fund valuations shown above may differ from the traditional investment performance report due to the exclusion of assets held in cash. Non-recallable return of capital distributions are included in Distribution - Gain/Income as they do not reduce the remaining fund commitment. Paid In Capital is adjusted for closing true-ups and closing fee remittances.



## Wyoming State Treasurer's Office Alternative Investment Private Real Estate Fund Performance Listing

Fund Name	Vintage	Asset Class	Commitment	Paid In Capital	Distributions - Total	Distributions - Gain/Income	Distributions - ROC	Valuation	Fund IRR (%)	Quartile	Index IRR (%)	Fund Multiple
TA Realty VIII	2006	Real Estate - Value Added	\$15,000,000	\$15,000,000	\$14,904,443	\$1,450,837	\$13,453,606	\$0	-0.07	3rd	4.52	0.99
Heitman Value Partners II	2007	Real Estate - Value Added	\$10,000,000	\$9,647,233	\$14,158,891	\$6,364,503	\$7,794,388	\$0	8.58	2nd	6.14	1.47
Cornerstone Core Mortgage Fund I	2010	Real Estate - Value Added	\$27,225,000	\$25,235,654	\$34,144,840	\$29,352,471	\$4,792,369	\$0	6.68	4th	10.53	1.35
WestRiver RE Finance Fund	2010	Real Estate - Value Added	\$75,000,000	\$62,695,038	\$102,287,718	\$68,290,412	\$33,997,306	\$8,533,587	11.29	3rd	9.97	1.77
M&G Real Estate Debt Fund III	2013	Real Estate - Value Added	\$108,568,200	\$124,040,916	\$118,646,736	\$27,645,832	\$91,000,904	\$13,915,796	2.43	4th	7.32	1.07
Northwood Real Estate Partners (Series IV)	2013	Real Estate - Opportunistic	\$150,000,000	\$208,490,574	\$156,341,023	\$65,219,894	\$91,121,129	\$185,392,065	14.87	2nd	8.00	1.64
SC Core Fund	2016	Real Estate - Value Added	\$100,000,000	\$100,538,151	\$11,163,732	\$10,928,464	\$235,269	\$112,478,675	7.40	3rd	6.58	1.23
Realterm Logistics Income Fund	2020	Real Estate - Value Added	\$250,000,000	\$150,000,000	\$5,852,840	\$5,852,840	\$0	\$189,162,585	30.33	N/A	12.89	1.30
TOTAL			\$735,793,200	\$695,647,566	\$457,500,223	\$215,105,252	\$242,394,970	\$509,482,709	10.23		8.28	1.39

M&G commitment is converted using the noon New York City Federal exchange rate as of the report date. Index IRR represents the dollar-weighted returns calculated using the NCREIF ODCE Index assuming an index investment with the same cash flow timing. IRRs are shown only for investments with one year or more of cash flows and for which an accurate IRR could be calculated. Applicable IRRs are marked with 'N/M' for not material. Fund IRR is the annualized since-inception net internal rate for the indicated fund or composite. Fund Multiple is the since inception sum of distributions and valuation divided by paid in capital. Quartile data is based on information provided by Preqin.

Fund valuations shown above may differ from the traditional investment performance report due to the exclusion of assets held in cash. Non-recallable return of capital distributions are included in Distribution - Gain/Income as they do not reduce the remaining fund commitment. Paid In Capital is adjusted for closing true-ups and closing fee remittances.



## Wyoming State Treasurer's Office Alternative Investment Diversified Hedge Funds Fund Performance Listing

Fund Name	Vintage	Asset Class	Commitment	Paid In Capital	Distributions - Total	Distributions - Gain/Income	Distributions - ROC	Valuation	Fund IRR (%)	Quartile	Index IRR (%)	Fund Multiple
Grosvenor Global Recovery Fund, Ltd.	2009	Hedge Funds - Opportunistic	\$150,000,000	\$150,000,000	\$199,755,208	\$47,985,542	\$151,769,666	\$0	12.54	N/A	15.07	1.33
Grosvenor Silvery Lupine Fund, LLC	2014	Hedge Funds - Opportunistic	\$300,000,000	\$300,000,000	\$353,200,000	\$76,870,873	\$276,329,127	\$32,966,974	5.76	N/A	12.57	1.29
TOTAL			\$450,000,000	\$450,000,000	\$552,955,208	\$124,856,416	\$428,098,793	\$32,966,97	7.70		13.71	1.30

Index IRR represents the dollar-weighted returns calculated using the S&P 500 Index (Cap Wtd) assuming an index investment with the same cash flow timing. IRRs are shown only for investments with one year or more of cash flows and for which an accurate IRR could be calculated. Applicable IRRs are marked with 'N/M' for not material. Fund IRR is the annualized since-inception net internal rate for the indicated fund or composite. Fund Multiple is the since inception sum of distributions and valuation divided by paid in capital. Quartile data is based on information provided by Preqin.

Fund valuations shown above may differ from the traditional investment performance report due to the exclusion of assets held in cash. Valuation shown for Grosvenor Silvery Lupine Fund will differ from the traditional investment performance report, as the valuation reflected therein is not on a one-quarter lag due to the nature of this particular investment. Non-recallable return of capital distributions are included in Distribution - Gain/Income as they do not reduce the remaining fund commitment. Paid In Capital is adjusted for closing true-ups and closing fee remittances.



## Wyoming State Treasurer's Office Alternative Investment Private Equity Fund Performance Listing

				As of 9/30/2021			Quarter 1	o Date Ending 1	2/31/2021
Fund Name	Vintage	Asset Class	Commitment	Paid In Capital	Distributions - Total	Valuation	Paid In Capital	Distributions · Total	Valuation
Cheyenne Capital Fund, LP	2003	Private Equity - Multi-Stage	\$257,950,000	\$622,316,689	\$934,376,400	\$163,635,873	\$0	\$0	\$164,111,269 *
Access Venture Partners II, LP	2006	Private Equity - Venture	\$10,000,000	\$10,000,000	\$17,004,313	\$2,689,366	\$0	\$0	\$3,019,522
Hamilton Lane Wyoming Nowood Fund, LP	2013	Private Equity - Multi-Stage	\$200,000,000	\$229,409,911	\$168,061,978	\$163,567,742	\$3,584,804	\$24,031,348	\$144,794,699 *
Neuberger Berman Sauger Fund, LP	2013	Private Equity - Multi-Stage	\$200,000,000	\$139,200,000	\$138,410,000	\$241,162,031	\$0	\$30,000,000	\$208,579,729 *
BlackRock Long Term Private Capital	2019	Private Equity - Buyout	\$275,000,000	\$155,600,924	\$0	\$257,102,601	\$118,621,796	\$0	\$375,724,397 *
Valor Equity Partners V, LP	2020	Private Equity - Growth Equity	\$50,000,000	\$32,602,953	\$0	\$45,904,330	\$3,422,028	\$0	\$48,961,399
GTCR Fund XIII, LP	2020	Private Equity - Buyout	\$100,000,000	\$7,060,000	\$0	\$10,634,110	\$3,690,000	\$3,618,309	\$15,002,245 *
Veritas Capital Vantage Fund, LP	2021	Private Equity - Buyout	\$40,000,000	\$428,735	\$0	\$0	\$4,221,644	\$0	\$4,000,000
Nautic Partners X	2021	Private Equity - Buyout	\$60,000,000	\$0	\$0	\$28,451	\$0	\$0	\$28,451 *
StepStone VC Secondaries Fund V, LP	2021	Private Equity - Secondaries	\$47,022,000	\$0	\$0	\$0	\$12,695,940	\$0	\$12,695,940 *
TOTAL			\$1,239,972,000	\$1,196,619,212	\$1,257,852,691	\$884,724,504	\$146,236,212	\$57,649,657	\$976,917,651

Cheyenne Capital Fund valuations set forth herein could be materially different once underlying investments are realized. Market conditions at the time of exit could be substantially different than at the reporting period, resulting in valuations different than those represented above. Paid In Capital is adjusted for closing true-ups and closing fee remittances. Expense Contributions included in Paid In Capital and Income/Gain Distributions included in Distributions included in Paid In Capital are not reflected in preliminary valuations. All valuations shown include unrealized appreciation. Current quarter cash flows for Cheyenne Capital are unavailable.



### Wyoming State Treasurer's Office Alternative Investment Private Real Estate Fund Performance Listing

					As of 9/30/2021		Quarter 7	Quarter To Date Ending 12		
Fund Name	Vintage	Asset Class	Commitment	Paid In Capital	Distributions - Total	Valuation	Paid In Capital	Distributions - Total	Valuation	
TA Realty VIII	2006	Real Estate - Value Added	\$15,000,000	\$15,000,000	\$14,904,443	\$0	\$0	\$0	\$0	
Heitman Value Partners II	2007	Real Estate - Value Added	\$10,000,000	\$9,647,233	\$14,158,891	\$0	\$0	\$0	\$0	
Cornerstone Core Mortgage Fund I	2010	Real Estate - Value Added	\$27,225,000	\$25,235,654	\$34,144,840	\$0	\$0	\$0	\$0	
WestRiver RE Finance Fund	2010	Real Estate - Value Added	\$75,000,000	\$62,695,038	\$102,287,718	\$8,533,587	\$0	\$0	\$8,533,587	
M&G Real Estate Debt Fund III	2013	Real Estate - Value Added	\$108,568,200	\$124,040,916	\$118,646,736	\$13,915,796	-\$24,374	\$1,709,598	\$13,996,064	
Northwood Real Estate Partners (Series IV)	2013	Real Estate - Opportunistic	\$150,000,000	\$208,490,574	\$156,341,023	\$185,392,065	\$6,576,875	\$6,844,348	\$195,664,139	
SC Core Fund	2016	Real Estate - Value Added	\$100,000,000	\$100,538,151	\$11,163,732	\$112,478,675	\$208,935	\$0	\$112,478,675	
Realterm Logistics Income Fund	2020	Real Estate - Value Added	\$250,000,000	\$150,000,000	\$5,852,840	\$189,162,585	\$100,000,000	\$2,317,092	\$289,162,585	
TOTAL		7 3.30 7 3000	\$735,793,200	\$695,647,566	\$457,500,223	\$509,482,709	\$106,761,436	\$10,871,038	\$619,835,051	

M&G commitment is converted using the noon New York City Federal exchange rate on the date of the report, while M&G cash flows are converted on the date of the flow.

Paid In Capital is adjusted for closing true-ups and closing fee remittances. Expense Contributions included in Paid In Capital and Income/Gain Distributions included in Distributions - Total are not reflected in preliminary valuations. All valuations shown include unrealized appreciation.



					As of 9/30/2021		Quarter	To Date Ending 1	2/31/2021
Fund Name	Vintage	Asset Class	Commitment	Paid In Capital	Distributions - Total	Valuation	Paid In Capital	Distributions · Total	Valuation
Grosvenor Global Recovery Fund, Ltd.	2009	Hedge Funds - Opportunistic	\$150,000,000	\$150,000,000	\$199,755,208	\$0	\$0	\$0	\$0
Grosvenor Silvery Lupine Fund, LLC	2014	Hedge Funds - Opportunistic	\$300,000,000	\$300,000,000	\$353,200,000	\$32,966,974	\$0	\$2,200,000	\$30,771,639
TOTAL			\$450,000,000	\$450,000,000	\$552,955,208	\$32,966,974	\$0	\$2,200,000	\$30,771,639

Paid In Capital is adjusted for closing true-ups and closing fee remittances. Expense Contributions included in Paid In Capital and Income/Gain Distributions - Total are not reflected in preliminary valuations. All valuations shown include unrealized appreciation.



**PORTLAND** BOISE CHICAGO NEW YORK

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