# Alternative Investment Supplemental Disclosure

Wyoming State Treasurer's Office

Period Ended: March 31, 2020



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## As of December 31, 2019

## Wyoming State Treasurer's Office Executive Summary

#### **General Comments**

- Through this reporting period, Wyoming State Treasurer's Office has committed a total of \$1,877,123,140 to 14 non-marketable alternative investments.
- The average age of active investments (based upon vintage year and weighted by commitment) was 7.29 years.
- A total of \$1,994,190,343 has been called or otherwise contributed to date.
- Distributions have totaled \$1,877,793,381 since plan inception.
- The residual estimated value of interests in these partnerships/investments is \$1,013,286,301.
- Since inception net performance for the investments are as follows:
  - $_{\odot}$  Annualized since-inception estimated Internal Rate of Return (IRR) of 11.45%.
  - 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 11.11% indicating roughly 33 basis points of annualized out-performance.
  - For every \$1 paid into the portfolio, \$1.45 has been returned as a distribution or is held in residual value (multiple on invested capital = 1.45x).



## Wyoming State Treasurer's Office Executive Summary

## Hedge Funds - Opportunistic

- Hedge Funds Opportunistic funds account for 23.97% of commitments, 22.57% of contributed funds, 25.72% of distributed funds, and 10.72% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - Annualized since-inception IRR of 8.28%
  - S&P 500 Index (Cap Wtd) IRR of 13.00%
  - A multiple on invested capital of 1.31x.

## Private Equity - Buyout

- Private Equity Buyout funds account for 14.65% of commitments, 4.68% of contributed funds, 0.00% of distributed funds, and 11.04% 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
  - A multiple on invested capital of 1.20x.

## Private Equity - Multi-Stage

- Private Equity Multi-Stage funds account for 35.05% of commitments, 48.19% of contributed funds, 53.44% of distributed funds, and 51.19% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - Annualized since-inception IRR of 13.30%
  - S&P 500 Index (Cap Wtd) IRR of 9.08%
  - A multiple on invested capital of 1.58x.

## **Private Equity - Venture**

- Private Equity Venture funds account for 0.53% of commitments, 0.50% of contributed funds, 0.88% of distributed funds, and 0.17% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - Annualized since-inception IRR of 9.02%
  - S&P 500 Index (Cap Wtd) IRR of 13.66%
  - A multiple on invested capital of 1.84x.



## Wyoming State Treasurer's Office Executive Summary

## **Real Estate - Opportunistic**

- Real Estate Opportunistic funds account for 7.99% of commitments, 8.56% of contributed funds, 6.14% of distributed funds, and 13.85% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - Annualized since-inception IRR of 13.80%
  - S&P 500 Index (Cap Wtd) IRR of 12.08%
  - A multiple on invested capital of 1.50x.

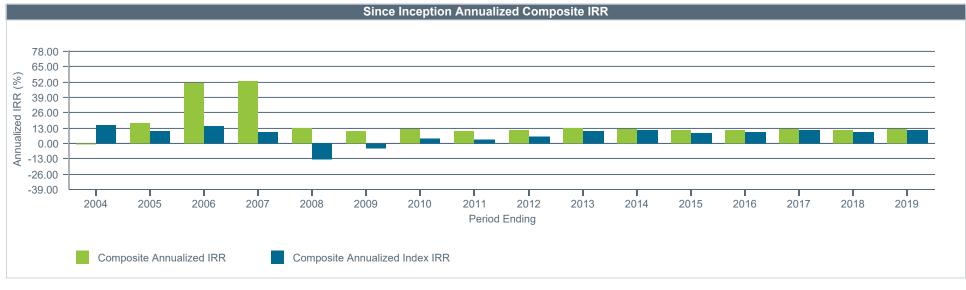
#### Real Estate - Value Added

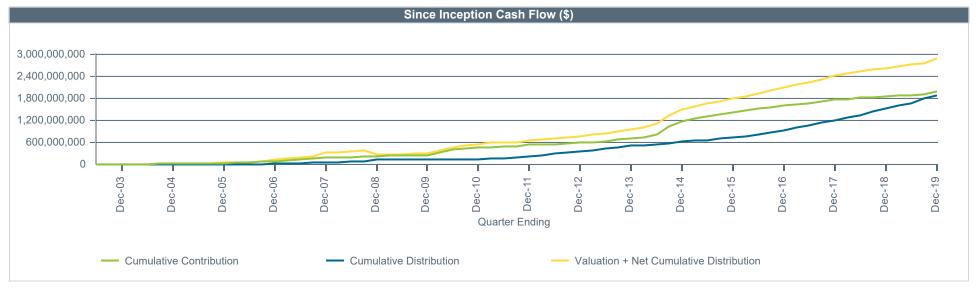
- Real Estate Value Added funds account for 17.80% of commitments, 15.51% of contributed funds, 13.82% of distributed funds, and 13.02% of reported residual value.
- Pooled portfolio since inception performance is as follows:
  - Annualized since-inception IRR of 6.92%
  - S&P 500 Index (Cap Wtd) IRR of 12.93%
  - A multiple on invested capital of 1.27x.



#### Wyoming State Treasurer's Office







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.



## Wyoming State Treasurer's Office

## 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	483,048,121	108,672,276	8.28	13.00	1.31
Private Equity - Buyout	275,000,000	93,404,791	0	111,826,629	N/M	N/M	1.20
Private Equity - Multi-Stage	657,950,000	960,964,763	1,003,438,886	518,743,119	13.30	9.08	1.58
Private Equity - Venture	10,000,000	10,000,000	16,602,711	1,762,794	9.02	13.66	1.84
Real Estate - Opportunistic	150,000,000	170,614,473	115,212,978	140,352,733	13.80	12.08	1.50
Real Estate - Value Added	334,173,140	309,206,316	259,490,686	131,928,749	6.92	12.93	1.27
	1,877,123,140	1,994,190,343	1,877,793,381	1,013,286,301	11.45	11.11	1.45

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): 7.29

Vintage Year	Commitment (\$)	Paid In Capital (\$)	Distributions (\$)	Valuation (\$)	Vintage Year IRR (%)	Index IRR (%)	Vintage Year Multiple	Cumulative Multiple
2003	257,950,000	608,540,554	838,385,039	172,236,827	13.48	7.72	1.66	1.66
2006	25,000,000	25,000,000	31,501,482	1,770,934	3.55	10.56	1.33	1.65
2007	10,000,000	9,647,233	14,137,084	20,020	8.58	11.77	1.47	1.65
2009	150,000,000	150,000,000	199,748,121	0	12.54	14.56	1.33	1.59
2010	102,225,000	87,930,692	136,112,966	11,709,315	10.54	14.02	1.68	1.60
2013	656,948,140	647,182,102	370,750,245	528,076,230	11.48	12.75	1.39	1.51
2014	300,000,000	300,000,000	283,300,000	108,672,276	6.46	11.67	1.31	1.47
2016	100,000,000	72,484,970	3,858,445	78,974,069	7.86	15.63	1.14	1.46
2019	275,000,000	93,404,791	0	111,826,629	N/M	N/M	1.20	1.45
TOTAL	1,877,123,140	1,994,190,343	1,877,793,381	1,013,286,301	11.45	11.11		1.45

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.



## 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
Access Venture Partners II, LP	2006	Private Equity - Venture	\$10,000,000	\$10,000,000	\$16,602,711	\$13,787,636	\$2,815,075	\$1,762,794	9.02	2nd	13.66	1.84
Cheyenne Capital Fund, LP		Private Equity - Multi-Stage	\$257,950,000	\$608,540,554	\$838,385,039	\$21,179,980	\$817,205,058	\$172,236,827	13.48	2nd	7.72	1.66
Hamilton Lane Wyoming Nowood Fund, LP	2013	Private Equity - Multi-Stage	\$200,000,000	\$213,224,209	\$113,043,847	\$27,282,129	\$85,761,718	\$151,021,887	9.49	3rd	13.34	1.24
BlackRock Long Term Private Capital	2019	Private Equity - Buyout	\$275,000,000	\$93,404,791	\$0	\$0	\$0	\$111,826,629	N/M	N/A	N/M	1.20
Neuberger Berman Sauger Fund, LP		Private Equity - Multi-Stage	\$200,000,000	\$139,200,000	\$52,010,000	\$8,194,671	\$43,815,329	\$195,484,405	14.82	3rd	12.60	1.78
TOTAL			\$942,950,000	\$1,064,369,554	\$1,020,041,597	\$70,444,416	\$949,597,180	\$632,332,542	13.42		9.25	1.55

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 Thomson Reuters.

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
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	N/A	10.90	1.35
Heitman Value Partners II	2007	Real Estate - Value Added	\$10,000,000	\$9,647,233	\$14,137,084	\$6,342,696	\$7,794,388	\$20,020	8.58	N/A	6.14	1.47
M&G Real Estate Debt Fund III	2013	Real Estate - Value Added	\$106,948,140	\$124,143,420	\$90,483,420	\$21,943,040	\$68,540,380	\$41,217,205	2.49	N/A	7.64	1.06
Northwood Real Estate Partners (Series IV)	2013	Real Estate - Opportunistic	\$150,000,000	\$170,614,473	\$115,212,978	\$46,497,746	\$68,715,232	\$140,352,733	13.80	N/A	8.24	1.50
SC Core Fund	2016	Real Estate - Value Added	\$100,000,000	\$72,484,970	\$3,858,445	\$3,623,177	\$235,269	\$78,974,069	7.86	N/A	5.78	1.14
TA Realty VIII	2006	Real Estate - Value Added	\$15,000,000	\$15,000,000	\$14,898,771	\$1,450,837	\$13,447,934	\$8,140	-0.07	N/A	4.34	0.99
WestRiver RE Finance Fund	2010	Real Estate - Value Added	\$75,000,000	\$62,695,038	\$101,968,126	\$67,970,820	\$33,997,306	\$11,709,315	11.95	N/A	10.21	1.81
TOTAL			\$484,173,140	\$479,820,789	\$374,703,664	\$177,180,787	\$197,522,877	\$272,281,482	9.01		8.34	1.35

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 Thomson Reuters.

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 free 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 Silvery Lupine Fund, LLC	2014	Hedge Funds - Opportunistic	\$300,000,000	\$300,000,000	\$283,300,000	\$61,389,825	\$221,910,175	\$108,672,276	6.46	N/A	11.67	1.31
Grosvenor Global Recovery Fund, Ltd.	2009	Hedge Funds - Opportunistic	\$150,000,000	\$150,000,000	\$199,748,121	\$47,985,542	\$151,762,578	\$0	12.54	N/A	14.56	1.33
TOTAL			\$450,000,000	\$450,000,000	\$483,048,121	\$109,375,368	\$373,672,753	\$108,672,276	8.28		13.00	1.31

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 Thomson Reuters.

Fund valuations shown above may differ from the traditional investment performance report, as the valuation 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 onequarter 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 frue-ups and closing fee remittances. Grosvenor Global Recovery Fund paid its final distribution in June 2015.



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

					As of 12/31/2019		Quarter To Date Ending 03/31/2020		
Fund Name	Vintage	Asset Class	Commitment	Paid In Capital	Distributions - Total	Valuation	Paid In Capital	Distributions - Total	Valuation
Access Venture Partners II, LP	2006	Private Equity - Venture	\$10,000,000	\$10,000,000	\$16,602,711	\$1,762,794	\$0	\$0	\$1,762,794
Cheyenne Capital Fund, LP	2003	Private Equity - Multi-Stage	\$257,950,000	\$608,540,554	\$838,385,039	\$172,236,827 *	\$0	\$0	\$180,181,083 *
Hamilton Lane Wyoming Nowood Fund, LP	201.3	Private Equity - Multi-Stage	\$200,000,000	\$213,224,209	\$113,043,847	\$151,021,887	\$1,605,272	\$4,950,000	\$147,851,285
BlackRock Long Term Private Capital	2019	Private Equity - Buyout	\$275,000,000	\$93,404,791	\$0	\$111,826,629	\$10,276,430	\$0	\$121,867,154 *
Neuberger Berman Sauger Fund, LP	2013	Private Equity - Multi-Stage	\$200,000,000	\$139,200,000	\$52,010,000	\$195,484,405	\$0	\$3,000,000	\$193,002,546
TOTAL			\$942,950,000	\$1,064,369,554	\$1,020,041,597	\$632,332,542	\$11,881,702	\$7,950,000	\$644,664,862

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 - Total are not reflected in preliminary valuations. All valuations shown for fiscal year-end are finalized and include unrealized appreciation. Valuations shown for Cheyenne and Neuberger as of the current quarter-end include a distribution payable in the month following quarter-end. Current quarter cash flows for Cheyenne Capital Fund are unavailable.



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

					As of 12/31/2019		Quarter	Quarter To Date Ending 03/31/2020		
Fund Name	Vintage	Asset Class	Commitment	Paid In Capital	Distributions - Total	Valuation	Paid In Capital	Distributions - Total	Valuation	
Cornerstone Core Mortgage Fund I	2010	Real Estate - Value Added	\$27,225,000	\$25,235,654	\$34,144,840	\$0	\$0	\$0	\$0	
Heitman Value Partners II	2007	Real Estate - Value Added	\$10,000,000	\$9,647,233	\$14,137,084	\$20,020	\$0	\$0	\$20,020 *	
M&G Real Estate Debt Fund III	2013	Real Estate - Value Added	\$106,948,140	\$124,143,420	\$90,483,420	\$41,217,205	-\$38,152	\$705,109	\$42,915,262 *	
Northwood Real Estate Partners (Series IV)	2013	Real Estate - Opportunistic	\$150,000,000	\$170,614,473	\$115,212,978	\$140,352,733	\$929,964	\$4,646,754	\$143,987,277 *	
SC Core Fund	2016	Real Estate - Value Added	\$100,000,000	\$72,484,970	\$3,858,445	\$78,974,069	\$27,660,726	\$0	\$106,495,263 *	
Realterm Logistics Income Fund	2020	Real Estate - Value Added	\$0	\$0	\$0	\$0	\$15,173,887	\$0	\$15,173,887 *	
TA Realty VIII	2006	Real Estate - Value Added	\$15,000,000	\$15,000,000	\$14,898,771	\$8,140	\$0	\$5,672	\$0	
WestRiver RE Finance Fund	2010	Real Estate - Value Added	\$75,000,000	\$62,695,038	\$101,968,126	\$11,709,315	\$0	\$0	\$13,310,277 *	
TOTAL			\$484,173,140	\$479,820,789	\$374,703,664	\$272,281,482	\$43,726,425	\$5,357,535	\$321,901,987	

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. Valuations shown for Northwood, WestRiver, and M&G as of the current quarter-end include a distribution payable in the month following quarter-end.

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 for fiscal year-end are finalized and include unrealized appreciation.



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

					As of 12/31/2019		Quarter	To Date Ending (	3/31/2020
Fund Name	Vintage	Asset Class	Commitment	Paid In Capital	Distributions - Total	Valuation	Paid In Capital	Distributions · Total	Valuation
Grosvenor Silvery Lupine Fund, LLC	2014	Hedge Funds - Opportunistic	\$300,000,000	\$300,000,000	\$283,300,000	\$108,672,276	\$0	\$29,000,000	\$71,026,445 *
Grosvenor Global Recovery Fund, Ltd.	2009	Hedge Funds - Opportunistic	\$150,000,000	\$150,000,000	\$199,748,121	\$0	\$0	) \$0	\$0
TOTAL			\$450,000,000	\$450,000,000	\$483,048,121	\$108,672,276	\$(	\$29,000,000	\$71,026,445

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 for fiscal year-end are finalized and include unrealized appreciation. Grosvenor Global Recovery Fund paid its final distribution in June 2015.





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