



Wyoming State Treasurer's Office

Alternative Investment Supplemental Disclosure

Period Ended: December 31, 2015



TABLE OF CONTENTS

	Page
Executive Summary	1
Composite Performance & Cash Flow Summary	4
Asset Composite Report	5
Vintage Year Composite Report	6
Fund Performance Report	7
Reconciliation with Traditional Report	8

General Comments

- Through this reporting period, Wyoming State Treasurer's Office has committed a total of \$1,514,027,760 to 12 non-marketable alternative investments.
- The average age of active investments (based upon vintage year and weighted by commitment) was 4.86 years.
- A total of \$1,425,152,167 has been called or otherwise contributed to date.
- Distributions have totaled \$742,645,194 since plan inception.
- The residual estimated value of interests in these partnerships/investments is \$1,060,127,393.
- Since inception net performance for the investments are as follows:
 - Annualized since-inception estimated Internal Rate of Return (IRR) of 11.06%.
 - 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 8.76% indicating roughly 229 basis points of annualized out-performance.
 - For every \$1 paid into the portfolio, \$1.26 has been returned as a distribution or is held in residual value (multiple on invested capital = 1.26x).

Hedge Funds - Opportunistic

- Hedge Funds - Opportunistic funds account for 29.72% of commitments, 31.58% of contributed funds, 26.90% of distributed funds, and 29.47% 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 11.63%
 - A multiple on invested capital of 1.14x.

Private Equity - Multi-Stage

- Private Equity - Multi-Stage funds account for 43.46% of commitments, 48.75% of contributed funds, 62.95% of distributed funds, and 45.89% of reported residual value.
- Pooled portfolio since inception performance is as follows:
 - Annualized since-inception IRR of 12.79%
 - S&P 500 Index (Cap Wtd) IRR of 6.63%
 - A multiple on invested capital of 1.37x.

Private Equity - Venture

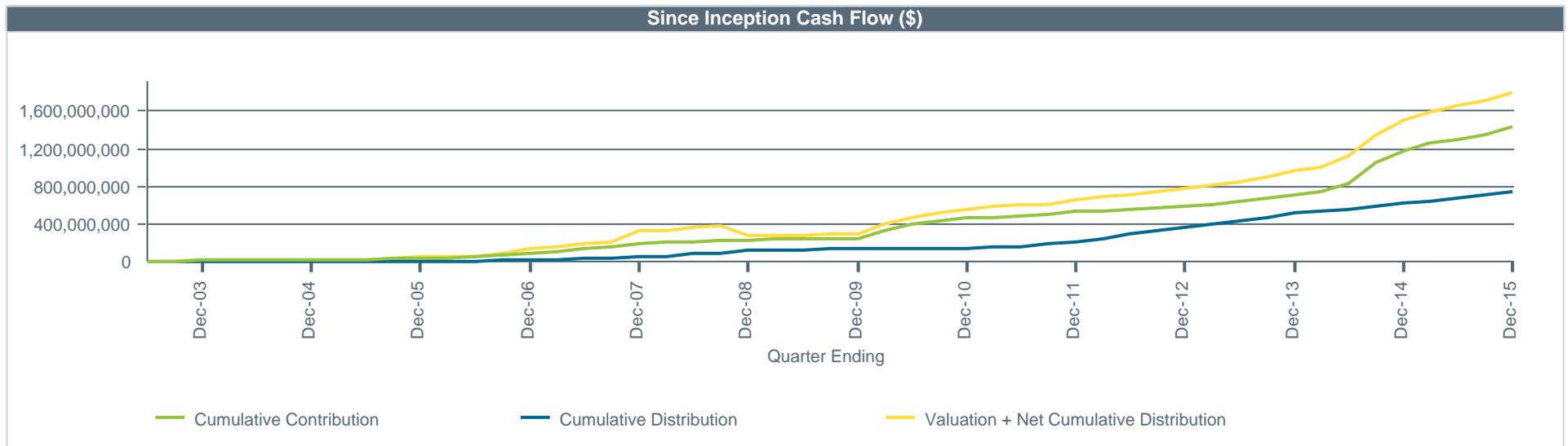
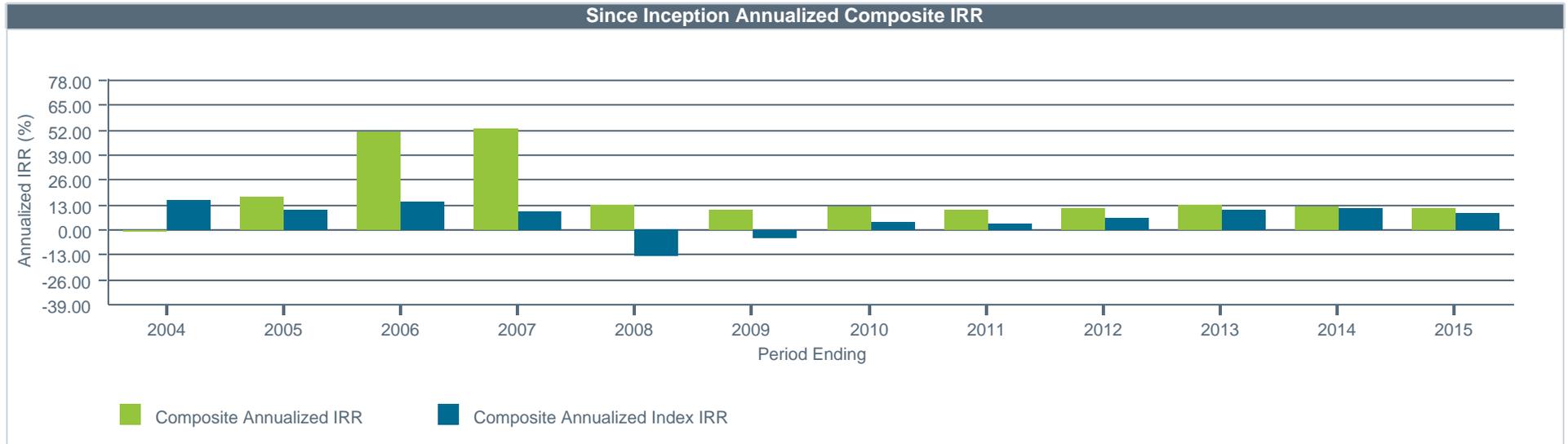
- Private Equity - Venture funds account for 0.66% of commitments, 0.70% of contributed funds, 0.37% of distributed funds, and 1.51% of reported residual value.
- Pooled portfolio since inception performance is as follows:
 - Annualized since-inception IRR of 13.51%
 - S&P 500 Index (Cap Wtd) IRR of 13.11%
 - A multiple on invested capital of 1.87x.

Real Estate - Opportunistic

- Real Estate - Opportunistic funds account for 9.91% of commitments, 6.60% of contributed funds, 0.65% of distributed funds, and 9.35% of reported residual value.
- Pooled portfolio since inception performance is as follows:
 - Annualized since-inception IRR of 8.34%
 - S&P 500 Index (Cap Wtd) IRR of 6.20%
 - A multiple on invested capital of 1.11x.

Real Estate - Value Added

- Real Estate - Value Added funds account for 16.25% of commitments, 12.37% of contributed funds, 9.13% of distributed funds, and 13.77% of reported residual value.
- Pooled portfolio since inception performance is as follows:
 - Annualized since-inception IRR of 6.62%
 - S&P 500 Index (Cap Wtd) IRR of 11.57%
 - A multiple on invested capital of 1.21x.



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	199,748,121	312,454,846	9.02	11.63	1.14
Private Equity - Multi-Stage	657,950,000	694,830,554	467,509,570	486,538,012	12.79	6.63	1.37
Private Equity - Venture	10,000,000	10,000,000	2,736,080	16,009,383	13.51	13.11	1.87
Real Estate - Opportunistic	150,000,000	94,006,440	4,834,451	99,173,728	8.34	6.20	1.11
Real Estate - Value Added	246,077,760	176,315,173	67,816,972	145,951,424	6.62	11.57	1.21
	1,514,027,760	1,425,152,167	742,645,194	1,060,127,393	11.06	8.76	1.26

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.

Average Commitment-weighted Active Investment Age (in years): 4.86

Vintage Year	Commitment (\$)	Paid In Capital (\$)	Distributions (\$)	Valuation (\$)	Vintage Year IRR (%)	Index IRR (%)	Vintage Year Multiple	Cumulative Multiple
2003	257,950,000	516,117,040	442,026,882	316,344,757	12.98	6.67	1.47	1.47
2006	25,000,000	25,000,000	6,623,282	26,113,505	4.28	9.00	1.31	1.46
2007	10,000,000	9,647,233	9,132,084	4,642,640	8.39	11.42	1.43	1.46
2009	150,000,000	150,000,000	199,748,121	0	12.54	14.61	1.33	1.43
2010	102,225,000	87,930,692	47,155,870	75,726,297	9.99	14.11	1.40	1.43
2013	668,852,760	336,457,202	37,958,955	324,845,348	7.69	5.91	1.08	1.32
2014	300,000,000	300,000,000	0	312,454,846	3.56	4.72	1.04	1.27
TOTAL	1,514,027,760	1,425,152,167	742,645,194	1,060,127,393	11.06	8.76		1.26

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 Fund Performance Listing

As of December 31, 2015

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	\$2,736,080	\$2,736,080	\$0	\$16,009,383	13.51	N/A	13.11	1.87
Cheyenne Capital Fund, LP	2003	Private Equity - Multi-Stage	\$257,950,000	\$516,117,040	\$442,026,882	\$21,315,150	\$395,301,075	\$316,344,757	12.98	N/A	6.67	1.47
Hamilton Lane Wyoming Nowood Fund, LP	2013	Private Equity - Multi-Stage	\$200,000,000	\$88,513,514	\$21,682,688	\$840,546	\$15,371,175	\$66,186,758	-0.94	N/A	6.65	0.99
Neuberger Berman Sauger Fund, LP	2013	Private Equity - Multi-Stage	\$200,000,000	\$90,200,000	\$3,800,000	\$0	\$2,800,000	\$104,006,497	16.58	N/A	5.86	1.20
Cornerstone Core Mortgage Fund I	2010	Real Estate - Value Added	\$27,225,000	\$25,235,654	\$16,900,159	\$11,808,623	\$4,792,369	\$16,079,438	7.19	N/A	14.38	1.31
Heitman Value Partners II	2007	Real Estate - Value Added	\$10,000,000	\$9,647,233	\$9,132,084	\$3,181,748	\$4,225,336	\$4,642,640	8.39	N/A	11.42	1.43
M&G Real Estate Debt Fund III	2013	Real Estate - Value Added	\$118,852,760	\$63,737,248	\$7,641,816	\$1,775,882	\$3,519,878	\$55,478,365	-1.26	N/A	4.29	0.99
Northwood Real Estate Partners (Series IV)	2013	Real Estate - Opportunistic	\$150,000,000	\$94,006,440	\$4,834,451	\$467,309	\$2,348,480	\$99,173,728	8.34	N/A	6.2	1.11
TA Realty VIII	2006	Real Estate - Value Added	\$15,000,000	\$15,000,000	\$3,887,202	\$1,218,831	\$2,065,705	\$10,104,122	-0.94	N/A	7.43	0.93
WestRiver RE Finance Fund	2010	Real Estate - Value Added	\$75,000,000	\$62,695,038	\$30,255,711	\$17,106,739	\$12,349,992	\$59,646,859	11.16	N/A	13.95	1.43
Grosvenor Silvery Lupine Fund, LLC	2014	Hedge Funds - Opportunistic	\$300,000,000	\$300,000,000	\$0	\$0	\$0	\$312,454,846	3.56	N/A	4.72	1.04
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	14.61	1.33
TOTAL			\$1,514,027,760	\$1,425,152,167	\$742,645,194	\$108,436,452	\$594,536,588	\$1,060,127,393	11.05		8.76	1.26

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 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. 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. Grosvenor Global Recovery Fund paid its final distribution in June 2015.



Wyoming State Treasurer's Office
Alternative Investment Fund Performance Listing

As of March 31, 2016

Fund Name	Vintage	Asset Class	Commitment	As of 12/31/2015			Quarter To Date Ending 03/31/2016		
				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	\$2,736,080	\$16,009,383	\$0	\$0	\$15,952,090
Cheyenne Capital Fund, LP	2003	Private Equity - Multi-Stage	\$257,950,000	\$516,117,040	\$442,026,882	\$316,344,757	\$7,497,822	\$7,913,707	\$317,792,153 *
Hamilton Lane Wyoming Nowood Fund, LP	2013	Real Estate - Value Added	\$200,000,000	\$88,513,514	\$21,682,688	\$66,186,758	\$8,597,941	\$5,671,640	\$69,931,220 *
Neuberger Berman Sauger Fund, LP	2013	Private Equity - Multi-Stage	\$200,000,000	\$90,200,000	\$3,800,000	\$104,006,497	\$10,000,000	\$0	\$114,006,497 *
Cornerstone Core Mortgage Fund I	2010	Real Estate - Value Added	\$27,225,000	\$25,235,654	\$16,900,159	\$16,079,438	\$0	\$3,766,172	\$12,534,778
Heitman Value Partners II	2007	Real Estate - Value Added	\$10,000,000	\$9,647,233	\$9,132,084	\$4,642,640	\$0	\$875,000	\$3,905,928
M&G Real Estate Debt Fund III	2013	Real Estate - Value Added	\$118,852,760	\$63,737,248	\$7,641,816	\$55,478,365	\$19,490,891	\$741,190	\$75,085,131
Northwood Real Estate Partners (Series IV)	2013	Real Estate - Opportunistic	\$150,000,000	\$94,006,440	\$4,834,451	\$99,173,728	\$6,181,983	\$5,094,780	\$109,215,820
TA Realty VIII	2006	Real Estate - Value Added	\$15,000,000	\$15,000,000	\$3,887,202	\$10,104,122	\$0	\$1,463,618	\$8,762,601
WestRiver RE Finance Fund	2010	Real Estate - Value Added	\$75,000,000	\$62,695,038	\$30,255,711	\$59,646,859	\$0	\$4,748,504	\$57,030,926
Grosvenor Silvery Lupine Fund, LLC	2014	Hedge Funds - Opportunistic	\$300,000,000	\$300,000,000	\$0	\$312,454,846	\$0	\$0	\$312,869,960
Grosvenor Global Recovery Fund, Ltd.	2009	Hedge Funds - Opportunistic	\$150,000,000	\$150,000,000	\$199,748,121	\$0	\$0	\$0	0.00
TOTAL			\$1,514,027,760	\$1,425,152,167	\$742,645,194	\$1,060,127,393	\$51,768,636	\$30,274,611	\$1,097,087,103

Certain valuations (marked with a "**") are preliminary estimates of valuation as of the date of reporting and reflect the estimated impact of subsequent net cash contributions/distributions. 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. Valuation shown for Cheyenne, Hamilton Lane, Cornerstone, M&G, Northwood and WestRiver as of the current quarter-end includes an income distribution payable in the month following quarter-end.

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 as of December 31, 2015 shown above may differ from the traditional investment performance report due to the exclusion of assets held in cash. 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.

PORTLAND

CHICAGO

NEW YORK

Disclaimer of Warranties and Limitation of Liability - This document was prepared by RVK, Inc. (RVK) and may include information and data from some or all of the following sources: client staff; custodian banks; investment managers; specialty investment consultants; actuaries; plan administrators/record-keepers; index providers; as well as other third-party sources as directed by the client or as we believe necessary or appropriate. RVK has taken reasonable care to ensure the accuracy of the information or data, but makes no warranties and disclaims responsibility for the accuracy or completeness of information or data provided or methodologies employed by any external source. This document is provided for the client's internal use only and does not constitute a recommendation by RVK or an offer of, or a solicitation for, any particular security and it is not intended to convey any guarantees as to the future performance of the investment products, asset classes, or capital markets.

