

Board of Trustees

Meeting of November 18, 2022





Please join us using either option. Teleconference dial in number: <u>+1 405-594-0415</u> Conference ID: 552 554 796# Videoconference link: <u>Click here to join the meeting</u>

OKLAHOMA MUNICIPAL RETIREMENT FUND BOARD MEETING AGENDA

Meeting at 10:00 a.m. 1001 NW 63rd Street, Suite 260; Oklahoma City, OK

November 18, 2022

Official action can only be taken on items which appear on the agenda. The Trustees may adopt, approve, ratify, deny, defer, recommend, amend, strike or continue any agenda item. When more information is needed to act on an item, the Trustees may refer the matter to the Executive Director or Trust attorney. The Trustees may also refer items to standing Committees of the Trust for additional study. Under certain circumstances, items can be deferred to a specific later date or stricken from the agenda entirely.

- 1. Call to Order
- 2. Approval of Consent Agenda
 - A. Minutes of October 28, 2022, Meeting(s)
 - B. Monthly Valuation of Fund Assets & Unit Values by Custodian
 - 1. Defined Benefit Balanced Fund
 - 2. International Investment Equity Fund
 - 3. Aggressive Equity Fund
 - 4. Real Assets Fund
 - 5. Global Equity Index Fund
 - 6. ESG U.S. Stock Fund
 - 7. Growth & Value Fund
 - 8. S&P 500 Index
 - 9. Total Yield Bond Fund
 - 10. Bond Index Fund
 - 11. Voya Fixed Plus III
 - 12. Target Retirement 2065 Fund
 - C. Purchases and Sales of Assets
 - D. Administrative Expenses and Fees
 - E. Benefit Payments and Contribution Refunds
 - F. Acknowledgment of Receipt of the Clarion Lion Industrial Trust Amended and Restated Confidential Private Placement Memorandum Dated October 2022

13. Target Retirement 2060 Fund

14. Target Retirement 2055 Fund

15. Target Retirement 2050 Fund

16. Target Retirement 2045 Fund

17. Target Retirement 2040 Fund

18. Target Retirement 2035 Fund

Target Retirement 2030 Fund
 Target Retirement 2025 Fund

21. Target Retirement 2020 Fund

24. Self-Directed Brokerage Fund

23. Loan Fund

22. Target Retirement Income Fund

- 3. Consideration and Possible Action of Items Removed from the Consent Agenda
- 4. Comments from Public

Videoconference Attendee and location inside their district:

Melissa Reames 723 S. I

723 S. Lewis, Room 1084, Stillwater, OK 74076



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- 5. Consideration and Possible Action Regarding Investment Committee Report
 - A. ACG: Review and Discussion of Monthly ASAP and Quarterly Performance Reports
 - B. ACG: Consideration and Possible Action Regarding Hiring an Emerging Markets Equity Manager for the Defined Benefit Portfolio and as a Component of the International Equity Option in the Defined Contribution Plan as Recommended by the Investment Committee and Rejection or Approval of any Amendments Proposed and Considered by the Trustees at the Meeting
 - C. Consideration and Possible Action on Reallocation and/or Rebalancing of Assets Among Investment Managers as Recommended by the Investment Committee and Rejection or Approval of any Amendments Proposed and Considered by the Trustees at the Meeting
- 6. Consideration and Possible Action Regarding Administrative Committee Report
- 7. Consideration and Possible Action Regarding Contract Committee Report
- 8. Dean Actuaries, LLC: Discussion and Possible Action Regarding Actuarial Experience Study and Changes to Actuarial Methods and Assumption as a Result
- 9. Receive Report on Newly Adopted or Amended OkMRF Member
- 10. OkMRF Staff Report
- 11. New Business
- 12. Trustee/Member Comments
 - A. Discussion, at the Request of a Board Member, Regarding Board Resolution 96-2 Establishing a Policy for Attendance of the OkMRF Trustees
- 13. Adjourn

Posted by 10:00 am November 17, 2022 1001 NW 63rd Street 1st Floor, Oklahoma City, OK 73116

Videoconference Attendee and location inside their district:Melissa Reames723 S. Lewis, Room 1084, Stillwater, OK 74076

1001 NW 63rd Street | Suite 260 | Oklahoma City, Oklahoma | 73116

2022 OKMRF BOARD OF TRUSTEES' MEETINGS CONSULTANT SCHEDULE & CALENDAR OF EVENTS Oklahoma Municipal Retirement Fund

MEETING DATE	TRUSTEE MEETING TOPICS & SPEAKERS	ANNUAL ACTIVITIES
January 28, 2022	✓ ACG: 2021 Annual Summary and 2022 Initiative Review	
	✓ ACG: 2022 Capital Market Assumption Analysis	
	✓ Inv. Manager: JP Morgan Real Estate	
February 24, 2022	Investment Committee	
	✓ ACG: Semi Annual Report	
	✓ ACG: Long-Short Review	
	✓ ACG: Small and SMID Review	
February 25, 2022		
March 25, 2022	✓ ACG: Review Investment Policies & Guidelines	
	✓ Inv. Manager: Blackrock Liquid Absolute Return	
	✓ Dean Actuaries, LLC: Summary of Actuarial Funding Studies	
April 29, 2022	✓ Inv. Manager: Ninety One International Dynamic Equity	
	✓ Dean Actuaries, LLC: Summary of GASB 68	
May 25, 2022	Administrative Committee	
	✓ Budget and Goals	
May 26, 2022	✓ Budget and Updated Contracts	
	✓ Inv. Manager: Harding Loevner International Growth and Emerging Markets	
	✓ Finley & Cook: Audited GASB 68 Statements	
June 24, 2022	 ✓ Inv. Manager: State Street (S&P Index, Russell Small Cap Index, US Bond Index, Global Equities Index, and Target Retirement Funds) ✓ Final Budget Approval, if not approved in May 	• Trustee Retreat (June 23, 2022)
I 1 00 0000		
July 28, 2022	Investment Committee	
	✓ ACG: Mandate and Replacement Search Overview	
July 29, 2022	 ✓ Inv. Manager: River Road Small Cap Value ✓ Dean Actuaries, LLC: Market Impact 	
	Investment Committee	
	✓ ACG: Semi Annual Report	
August 25, 2022	✓ ACG: Long-Short Review	
	✓ ACG: Private Equity Discussion	
August 26, 2022	✓ Voya: Recordkeeping, DC Custodial Services and Fixed Plus	
0 /	 Voya. Recondreciping, De Custodial Services and Pixed Flus Northern Trust: DB Custodial Services 	
	• Normeni Trust. DD Custodial Services	0.000
September 30, 2022		 OPFTEC Location Doubletree, Tulsa - Warren Place 6110 S Yale Ave.
October 28, 2022	 ✓ Review 2023 Meeting Schedule ✓ Election of Trustee Officers and Committee Assignments 	
	✓ Inv. Manager: Amundi Pioneer Core Plus Bonds	
November 18, 2022	✓ Dean Actuaries, LLC: Experience Study	
December 16, 2022	✓ Finley & Cook: Audited Financial Statements 2022	Christmas Luncheon after Board Meeting

Updated 10/20/2022

<u>MINUTES</u> BOARD OF TRUSTEES OKLAHOMA MUNICIPAL RETIREMENT FUND October 28, 2022

1. Call To Order

The Board of the Oklahoma Municipal Retirement Fund met at the Oklahoma Municipal Retirement Fund Offices, Oklahoma City, Oklahoma, on October 28, 2022, at 10:00 a.m. with Chair Doolen presiding. On roll call, the following members were present.

BOARD OF TRUSTEES

Chair:	Donna Doolen, Finance Director, City of Ada
Vice-Chair:	Robert Johnston, City Manager, City of Clinton
Treasurer:	Jim Luckett, Jr., Retiree, City of Thomas
Secretary:	Robert Park, Retiree, City of Sallisaw
Members:	Shaun Barnett, City Manager, City of Woodward
	Tamera Johnson, Retiree, City of Shawnee
	Tim Rooney, City Manager, City of Mustang
	Ed Tinker, Retiree, City of Glenpool

OTHERS PRESENT:

OkMRF Staff:	Jodi Cox, CEO & Director Chris Whatley, Plan Advisor & Portfolio Strategist Rhnea Stewart, Fund Accountant Katie Girardi, Plan Administrator
Others:	Kevin Moore, ACG Andrew Feltus, Amundi Asset Management <i>(via video)</i> Katie Warmington, Amundi Asset Management <i>(via video)</i> Troy Bradley, City of Midwest City <i>(via video)</i> Joe Ebisa, With Intelligence <i>(via video)</i>

Whatley opened the meeting with prayer and Park led the Pledge of Allegiance.

Doolen welcomed everyone and called the meeting to order.

NOTICE: The agenda for October 28, 2022, meeting was posted in Columbus Square, Oklahoma City, Oklahoma, by Gloria Cudjoe by 10:00 a.m. on October 27, 2022.

2. <u>Consideration and Possible Action to Administer Trustee Oaths of Office to Donna Doolen</u> <u>and Shaun Barnett and Acknowledge General Incumbency Certificate</u>

Shaun Barnett, District 8 and Donna Doolen, District 3 were administered the constitutional and statutory oath of office by OkMRF staff member, Lindsay Porter.

3. Approval of Consent Agenda

The following items were presented under the consent agenda.

A. <u>Minutes of September 30, Meeting(s)</u>

B. Monthly Valuation of Fund Assets & Unit Values by Custodian as of September 30, 2022

Option	Value By Fund
Defined Benefit	\$ 616,863,180.22
International Investment Equity	\$ 6,994,038.04
Aggressive Equity	\$ 15,042,491.93
Real Assets Fund	\$ 889,400.42
ESG US Stock Fund	\$ 1,184,932.78
Global Equity	\$ 9,227,520.78
Growth and Value Equity	\$ 19,306,241.95
S & P 500 Index	\$ 30,149,684.35
Target Retirement 2065	\$ 150,633.77
Target Retirement 2060	\$ 5,645,955.48
Target Retirement 2055	\$ 6,272,482.77
Target Retirement 2050	\$ 10,188,009.34
Target Retirement 2045	\$ 13,150,172.55
Target Retirement 2040	\$ 16,915,321.27
Target Retirement 2035	\$ 22,647,110.44
Target Retirement 2030	\$ 25,056,938.55
Target Retirement 2025	\$ 35,450,839.94
Target Retirement 2020	\$ 22,335,093.57
Target Retirement Income	\$ 18,324,637.23
Total Yield Bond Fund	\$ 5,321,413.90
Bond Index	\$ 13,903,207.81
Voya Fixed Plus III	\$ 54,598,930.34
Loan Portfolio	\$ 7,427,407.15
Self Directed Brokerage	\$ 254,179.33
Total Assets	\$ 957,299,823.91

C. Purchases and Sales of Assets for September 2022

D. Administrative Expenses and Fees

Expenses and Fees for October

Actuary & Recordkeeping	\$ 40,847.02
Administration	114,596.55
Attorney	3,750.00
Audit	5,000.00
Board Travel	5,220.16
Employer Directed Expense	0.00
Insurance	0.00
Investment Advisors	141,213.92
Custodial	9,660.98
Investment Consultant	38,434.50
Public Relations	1,504.63
Representative Travel	4,830.79
EXPENSES	\$ 365,058.55

E. Benefit Payments and Contribution Refunds for September 2022

Motion made by Luckett, seconded by Park to approve all items on the Consent Agenda.

Motion carried: AYE: Doolen, Johnston, Luckett, Park, Rooney, and Tinker

NAY: None

ABSTAIN: Barnett and Johnson

- 4. <u>Consideration and Possible Action of Items Removed from the Consent Agenda</u> No action taken.
- 5. <u>Comments from the Public</u> None.

6. <u>Amundi Asset Management: Annual Update from Investment Manager – Andrew Feltus</u> <u>and Katie Warmington</u>

Warmington began the presentation by thanking OkMRF for their continued relationship over the past eleven (11) years. Amundi remains stable within its leadership with no Portfolio Manager changes and minimal turnover within the investment teams. Amundi is the largest asset manager within Europe and ranked in the top ten (10) globally with \$2.2 trillion in assets under management, \$90 billion in domestic assets, and \$47 billion allocated to fixed income within the U.S.

Feltus reviewed Amundi's multi-sector fixed income strategy which includes an experienced stable investment team, an integrated investment process between portfolio managers and investment analysts, diversified security and sector allocations, long-established records in corporate credit driven by investment fundamentals, and full integration of ESG investing into their U.S. fixed income platform. Due to declining markets, all-time high inflation and rising interest rates, fixed income performance has been challenged since the beginning of 2022 and posted a decline of 13.79% year-to-date. Feltus discussed how current high yield spreads have the portfolio gravitating toward positioning for a recessionary climate. A potential recession will put pressure on profits and ultimately increase defaults. Therefore, the portfolio will maintain short duration and take a neutral stance on credit ratings. Moore questioned Feltus on Amundi's stance on emerging markets and non-U.S. debt holdings. Feltus stated while the Euro began the year strong, Ukraine Russia War has directly impacted the European economy due to their reliance on energy imports. Europe is at a large trade disadvantage and will need to prove its competitiveness or cut taxes to strengthen the economy and Euro. China represents almost half of the emerging markets so future investment will be difficult due to exposure to political risks. Feltus stated non-China countries, such as India, are better positioned for growth and potential investment.

7. Consideration and Possible Action Regarding Investment Committee Report

A. ACG: Review and Discussion of Monthly ASAP Reports

Moore began the presentation with a market overview. September was another volatile month due to continued inflation fears from consumers and upcoming midterm elections. However, October proved to be a stronger month as corporate earnings reports were more favorable than expected. While U.S. equities have seen modest gains throughout October, events such as China's 20th National Party Conference, negatively impacted non-U.S. equities, especially Chinese tech stocks. Moore reiterated that although volatility remains high, investors should focus on the long-term outlook.

Moore continued his presentation with a review of the DB ASAP report. The DB portfolio ended September with \$616 million in assets and continued to outperform the policy index while taking on less risk on a ten (10) year annualized basis. Actual and target allocations are reflecting large dispersions as approved transitions are in motion and expected to be completed by the end of 2023. Cash balances were reported as high due to the timing of an additional Clarion Lion Industrial Trust capital call and the replacement of the small/mid cap growth manager. The funds for these investments were deployed at the beginning of October. Yearto-date, the portfolio is down 19.39%, net of fees. While the returns are disappointing, Moore stated this is reflective of what all ACG clients are experiencing. While short-term losses have impacted longer term returns, they remain in the vicinity of the portfolio's target rate of return. Non-U.S. equities are down 30.24%, net of fees year-to-date. Ninety One recently announced the retirement of Portfolio Manager Ian Vose in early 2023 with Assistant Portfolio Manager, Adam Child, being promoted to Co-Portfolio Manager. ACG sees Child as well suited for the position but will continue to monitor the transition. Fixed income reported a loss of 11.37% year-to-date but did provide more downside protection than the broader market. BlackRock announced the retirement of Bob Miller, Portfolio Manager, for the Strategic Income Opportunities strategy. David Rogal will replace Miller in early 2023. Due to the depth of resources available to BlackRock, ACG does not anticipate any issues with the transition. Real estate was the only positive earning asset class within the portfolio, reporting 8.90% net of fees. The remainder of the Clarion Lion Industrial Trust commitment was called at the beginning of October.

Moore provided a brief overview of the DC portfolio mirroring many of the comments of the DB portfolio. The Growth & Value option remains in negative territory for the shorter term, but longer-term returns remain in double digits. The transition from TimesSquare to William Blair within the Aggressive Equity option occurred in mid-October. Due to Calvert's underweight to technology and overweight to financials, the ESG U.S. Stock Fund continues to outperform. The Real Assets option struggled due to REIT investments but still performed as expected.

B. <u>ACG: Consideration and Possible Action to Conduct a Search to Replace Emerging</u> <u>Markets Manager, if Deemed Necessary, within the Defined Benefit Portfolio and as</u> <u>a Component of the International Equity Option in the Defined Contribution Plan as</u> <u>Recommended by the Investment Committee and Rejection or Approval of any</u> <u>Amendments Proposed and Considered by the Trustees at the meeting</u>

Moore discussed ACG's recommendation of replacing Harding Loevner's Emerging Markets strategy within the DB and DC portfolios. Due to the strategy's overweight allocation to Russia, when the war between Ukraine and Russia became imminent, Harding Loevner had ample time to reduce or eliminate exposure but took no action. When markets seized and trades were forbidden, Harding Loevner was required to report all Russian investments at zero. Moore concluded that Harding Loevner did a poor job of communicating to ACG and OkMRF their strategy for dealing with these events.

Motion made by Luckett, seconded by Park to terminate Emerging Markets Manager, Harding Loevner, within the Defined Benefit and Defined Contribution portfolio and instruct ACG to compile a list of replacement money managers to be presented to the Board next month.

Motion carried:

AYE: Barnett, Doolen, Johnson, Johnston, Luckett, Park, Rooney, and Tinker

NAY: None

- C. Consideration and Possible Action on Reallocation and/or Rebalancing of Assets Among Investment Managers as Recommended by the Investment Committee and Rejection or Approval of any Amendments Proposed by the Trustees at the Meeting No action taken.
- 8. <u>Consideration and Possible Action Regarding Administrative Committee Report</u> No action taken.
- 9. <u>Consideration and Possible Action Regarding Contract Committee Report</u> No action taken.

10. Discussion and Possible Action to Approve OkMRF Executive Director to Serve on the Board of Directors of the Newly Established Not-For-Profit Oklahoma Public Funds Trustee Educational Conference (OPFTEC) Association

Cox provided background on the potential Oklahoma Public Funds Trustee Educational Conference Association. Due to the difficulty in facilitating vendor payments through an investment consultant for OPFTEC, the collective group of the core eight (8) Oklahoma pension plans desires to create the non-profit organization. The new Board would consist of a representative from each respective organization, typically the CEO.

Motion made by Tinker, seconded by Rooney to approve Cox, Executive Director, to serve on the Board of Directors for the newly established not-for-profit Oklahoma Public Funds Trustee Education Conference (OPFTEC) Association.

Motion carried:

AYE: Barnett, Doolen, Johnson, Johnston, Luckett, Park, Rooney, and Tinker

NAY: None

11. <u>Consideration and Possible Action Regarding the Election of Officers</u> Officers are elected annually to serve a one (1) year term.

Motion made by Tinker, seconded by Luckett to approve the current slate of officers as follows:

Chair: Doolen Vice-Chairman: Johnston Secretary: Park Treasurer: Luckett

Motion carried:

AYE: Barnett, Doolen, Johnson, Johnston, Luckett, Park, Rooney, and Tinker

NAY: None

12. <u>Consideration and Possible Approval of Chair's Committee Assignments</u>

Chair Doolen appointed newly elected Trustee Barnett to the Contract Committee with all other Trustees continuing to serve on the same Committee as the prior year. The Committee Chair appointments remain as follows:

Administrative Chair: Johnston Contract Committee Chair: Reames Investment Committee Chair: Luckett

Motion made by Johnson, seconded by Tinker to accept the Chair's Committee assignments.

Motion carried:

AYE: Barnett, Doolen, Johnson, Johnston, Luckett, Park, Rooney, and Tinker

NAY: None

13. Consideration and Possible Approval of 2023 Trustee Meeting Schedule and Staff Holidays

Cox presented a proposed 2023 Trustee meeting schedule and Staff holidays noting three (3) Thursday Board meetings to be held in May, November, and December.

Motion made by Rooney, seconded by Tinker to approve the schedule for Board meetings and Staff holidays as proposed.

Motion carried: AYE: Barnett, Doolen, Johnson, Johnston, Luckett,

Park, Rooney, and Tinker

NAY: None

14. <u>Receive Report on Newly Adopted or Amended OkMRF Member Plans</u> Whatley reported on plan changes for the OkMRF Members.

15. OkMRF Staff Report

Girardi discussed this year's philanthropic event to sponsor a family or families in need during the Holidays through Youth & Family Services out of El Reno. Donations will be accepted by cash or electronically through the first week of December.

Cox reported on the following items:

- Expressed her appreciation for those Trustees who were able to attend OPFTEC.
- At next month's meeting, Sean Sullivan of Dean Actuaries, LLC will present the Demographic Experience Study.
- Finley & Cook has begun the financial audit remotely, Cox thanked Stewart, Porter, and team for their collaborative efforts.

16. <u>New Business</u>

None.

17. <u>Trustee/Member Comments</u>

Trustee Rooney asked for a review of the Trustee attendance policy at next month's meeting.

18. <u>Adjourn</u>

With no further business to conduct the meeting adjourned.

Robert Park, Secretary

Donna Doolen, Chair

Respectfully submitted by:

K. Minandi

Katie Girardi

Oklahoma Municipal Retirement Fund

Summary of Assets and Investment Returns

10/31/2022

			10/31/2022					
Option	Value By Fund	1 Month	3 Month	Year to Date	1 Yr	3 Yr Rolling	5 Yr Rolling	10 Yr Rolling
Defined Benefit	\$ 633,756,739.86	3.04%	-5.19%	-16.53%	-15.58%	4.05%	4.66%	6.69%
International Investment Equity	\$ 7,046,708.05	3.04%	-10.19%	-26.12%	-26.49%	-1.35%	-0.58%	4.75%
Aggressive Equity	\$ 16,385,220.25	9.66%	-1.91%	-19.32%	-21.07%	8.29%	6.77%	9.77%
Real Assets Fund	\$ 910,490.42	2.40%	-9.79%	-10.69%	-8.39%	4.32%	4.55%	2.15%
ESG US Stock Fund	\$ 1,287,950.78	6.73%	-6.65%	-19.72%	-16.02%	10.97%	14.14%	14.00%
Global Equity	\$ 9,668,716.17	6.25%	-7.71%	-20.91%	-19.70%	5.21%	5.57%	8.31%
Growth and Value Equity	\$ 20,801,498.37	7.81%	-6.02%	-20.96%	-19.49%	9.59%	9.83%	12.25%
S & P 500 Index	\$ 32,457,482.57	8.09%	-5.87%	-17.72%	-14.63%	10.17%	10.40%	12.74%
Target Retirement 2065	\$ 158,502.66	5.17%	-8.17%	-21.99%	-21.56%	N/A	N/A	N/A
Target Retirement 2060	\$ 6,172,840.52	5.18%	-8.17%	-21.98%	-21.55%	4.04%	4.82%	N/A
Target Retirement 2055	\$ 6,741,719.49	5.18%	-8.17%	-21.99%	-21.56%	4.04%	4.82%	7.72%
Target Retirement 2050	\$ 10,880,667.03	5.18%	-8.17%	-22.00%	-21.57%	4.04%	4.82%	7.72%
Target Retirement 2045	\$ 13,902,421.33	4.81%	-8.23%	-21.70%	-21.21%	3.88%	4.73%	7.68%
Target Retirement 2040	\$ 17,785,617.87	4.42%	-8.29%	-21.33%	-20.77%	3.56%	4.55%	7.49%
Target Retirement 2035	\$ 23,632,976.77	4.02%	-8.21%	-20.78%	-20.17%	3.24%	4.35%	7.14%
Target Retirement 2030	\$ 26,569,655.09	3.73%	-8.02%	-19.71%	-19.03%	3.04%	4.21%	6.79%
Target Retirement 2025	\$ 35,415,467.92	3.12%	-7.58%	-17.17%	-16.46%	3.04%	4.12%	6.37%
Target Retirement 2020	\$ 22,930,480.92	2.36%	-6.92%	-14.17%	-13.57%	2.46%	3.57%	5.49%
Target Retirement Income	\$ 18,610,095.88	2.01%	-6.47%	-12.87%	-12.34%	1.75%	2.86%	3.54%
Total Yield Bond Fund	\$ 5,174,053.50	-1.12%	-6.51%	-12.95%	-13.02%	-1.69%	0.60%	1.72%
Bond Index ¹	\$ 13,606,237.92	-1.31%	-8.24%	-15.70%	-15.70%	-3.78%	-0.56%	0.71%
Voya Fixed Plus III	\$ 54,590,829.06	0.15%	0.42%	1.38%	1.69%	1.90%	1.87%	1.85%
Loan Portfolio	\$ 7,426,454.35							
Self Directed Brokerage	\$ 254,374.77							
Total Assets	\$ 986,167,201.55							

¹Returns prior to 10/31/15 represent the existing OkMRF Bond Fund.

OKLAHOMA MUNICIPAL RETIREMENT FUND Equity/Fixed Asset Split As of October 2022

Defined Benefit		Market Value		Cash	Total Assets	Cash % of Each Mgr's Assets	Managers' Assets as % of Group	Managers' Assets as % of Total
Equity Managers:				Casii		A33613		TOLAI
River Road Small Cap Value	\$	31,081,835.61		1,504,205.72	32,586,041.33	4.62%	11.91%	5.20%
TimesSquare Growth	Ŧ	0.00		3,011.78	3,011.78	100.00%	0.00%	
State Street S&P 500		155,779,551.93		91,782.16	155,871,334.09	0.06%	56.97%	
SMID Equity		30,940,444.09		35,000.00	30,975,444.09	0.11%	11.32%	4.94%
(2 Long/Short Equity**		50,919,796.09		3,267,894.18	54,187,690.27	6.03%	19.80%	8.64%
Equity Totals	\$	268,721,627.72		4,901,893.84	 273,623,521.56	1.79%	100.00%	
Fixed Managers:								
PMorgan Core	\$	40,359,729.39		0.00	40,359,729.39	0.00%	30.93%	6.44%
mundi Multi-Sector		42,244,504.02		0.00	42,244,504.02	0.00%	32.37%	6.74%
BlackRock Strategic Income		47,812,194.84		73,816.74	47,886,011.58	0.15%	36.70%	7.64%
Fixed Totals	\$	130,416,428.25	_	73,816.74	 130,490,244.99	0.06%	100.00%	20.82%
nternational Equity								
Artisan Value Institutional	\$	43,011,162.36		0.00	43,011,162.36	0.00%	31.25%	6.86%
linety One Intl Dynamic Equity		38,025,413.78		0.00	38,025,413.78	0.00%	27.63%	6.06%
larding Loevner Emerging Market Intl		20,382,268.59		0.00	20,382,268.59	0.00%	14.81%	3.25%
VCM Focused Intl Growth		36,155,555.67		68,926.74	 36,224,482.41	0.19%	26.31%	5.78%
International Totals	\$	137,574,400.40		68,926.74	 137,643,327.14	0.05%	100.00%	21.95%
Real Estate								
Clarion Lion Industrial Core		25,613,807.00		0.00	25,613,807.00	0.00%	30.09%	4.09%
PMorgan Real Estate Strategic	\$	34,422,249.81		0.00	34,422,249.81	0.00%	40.45%	5.49%
PMorgan Real Estate Special Situation		24,940,535.37		135,106.27	 25,075,641.64	0.54%	29.46%	4.00%
Real Estate Totals	\$	59,362,785.18		135,106.27	 85,111,698.45	0.16%	100.00%	13.58%
Asset AllocationTotals	\$	596,075,241.55		5,179,743.59	626,868,792.14			
Cash and Cash Equivalents*								
<i>A</i> iscellaneous	\$	0.00		3,732,464.19	3,732,464.19			
Deposit		0.00		3,155,483.53	3,155,483.53			
Cash Total	\$	0.00		6,887,947.72	6,887,947.72			
							Asset A	llocation
Asset Totals	\$	596,075,241.55	\$	12,067,691.31	\$ 633,756,739.86		Target Split:	Actual Split:
					 	Equity	40.00%	43.65%
						Fixed	20.00%	20 82%

Equity	40.
Fixed	20.
International	25.
Real Estate	15.

* Not included in Target Split or Actual Split Calculations.

** Market Value reported by custodian is one to two month in arrears.

Split:	Actual Split:
0.00%	43.65%
0.00%	20.82%
5.00%	21.95%
5.00%	13.58%

OKLAHOMA MUNICIPAL RETIREMENT FUND Defined Benefit Plan Statement of Changes in Net Assets For the Month Ended October 31, 2022

Contributions Employer Employee Total	\$ 1,601,354.94 712,073.38	-	2,313,428.32
Investment income:			
Interest	46,464.09		
Dividends	417,393.49		
	463,857.58	-	
Less: Beginning accrual	(309,434.32)		
Add: Ending accrual	289,448.62		
Net income received	 443,871.88	-	
Appreciation in fair value of investments	18,607,452.83		
Investment expenses	(261,759.93)		
Administrative expenses	 (114,171.47)		
Net investment income		_	18,675,393.31
Total additions			20,988,821.63
Payment of benefits and member refunds	(4,093,639.76)		
Transfers in (out)	(1,622.23)		
Net increase (decrease) for month		_	16,893,559.64
Net assets available for plan benefits:			
Beginning of month		\$	616,863,180.22
		-	
End of month		\$_	633,756,739.86

31 Oct 22

Account number OKMUNT

OKMRF UNIT ACCOUNTS

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• Asset Summary

	Accrued				Unrealized gain/loss —		Market values	
Country	income/expense	Market value	Cost	Market	Translation	Total	incl. accruals	%
Equities								
Common stock								
Israel - USD	0.00	309,845.58	263,230.30	46,615.28	0.00	46,615.28	309,845.58	0.049%
United States - USD	9,526.61	30,759,566.75	25,765,504.36	4,994,062.39	0.00	4,994,062.39	30,769,093.36	4.855%
Total common stock	9,526.61	31,069,412.33	26,028,734.66	5,040,677.67	0.00	5,040,677.67	31,078,938.94	4.904%
Funds - common stock								
Emerging Markets Region - USD	0.00	30,936,584.97	29,608,055.00	1,328,529.97	0.00	1,328,529.97	30,936,584.97	4.881%
Global Region - USD	0.00	38,025,413.78	34,460,365.23	3,565,048.55	0.00	3,565,048.55	38,025,413.78	6.000%
International Region - USD	0.00	43,011,162.36	37,755,347.71	5,255,814.65	0.00	5,255,814.65	43,011,162.36	6.787%
United States - USD	0.00	176,161,724.80	113,202,635.68	62,959,089.12	0.00	62,959,089.12	176,161,724.80	27.796%
Total funds - common stock	0.00	288,134,885.91	215,026,403.62	73,108,482.29	0.00	73,108,482.29	288,134,885.91	45.465%
Total equities	9,526.61	319,204,298.24	241,055,138.28	78,149,159.96	0.00	78,149,159.96	319,213,824.85	50.369%
Fixed Income								
Funds - corporate bond								
United States - USD	113,262.59	82,604,233.41	80,594,082.24	2,010,151.17	0.00	2,010,151.17	82,717,496.00	13.052%
Total funds - corporate bond	113,262.59	82,604,233.41	80,594,082.24	2,010,151.17	0.00	2,010,151.17	82,717,496.00	13.052%
Funds - other fixed income								
United States - USD	136,069.18	47,812,116.46	51,587,779.90	-3,775,663.44	0.00	-3,775,663.44	47,948,185.64	7.566%
Total funds - other fixed income	136,069.18	47,812,116.46	51,587,779.90	-3,775,663.44	0.00	-3,775,663.44	47,948,185.64	7.566%

31 Oct 22

Account number OKMUNT

OKMRF UNIT ACCOUNTS

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• Asset Summary

	Accrued				– Unrealized gain/loss —		Market values	
Country	income/expense	Market value	Cost	Market	Translation	Total	incl. accruals	%
Total fixed income	249,331.77	130,416,349.87	132,181,862.14	-1,765,512.27	0.00	-1,765,512.27	130,665,681.64	20.618%
Real Estate								
Real estate								
United States - USD	163.07	84,976,299.48	67,379,381.95	17,596,917.53	0.00	17,596,917.53	84,976,462.55	13.408%
Total real estate	163.07	84,976,299.48	67,379,381.95	17,596,917.53	0.00	17,596,917.53	84,976,462.55	13.408%
Total real estate	163.07	84,976,299.48	67,379,381.95	17,596,917.53	0.00	17,596,917.53	84,976,462.55	13.408%
Venture Capital and Partnerships								
Partnerships								
United States - USD	0.00	47,468,724.00	27,236,128.69	20,232,595.31	0.00	20,232,595.31	47,468,724.00	7.490%
Total partnerships 	0.00	47,468,724.00	27,236,128.69	20,232,595.31	0.00	20,232,595.31	47,468,724.00	7.490%
Total venture capital and partnerships	0.00	47,468,724.00	27,236,128.69	20,232,595.31	0.00	20,232,595.31	47,468,724.00	7.490%
Hedge Fund								
Hedge equity								
United States - USD	0.00	39,600,004.00	37,994,897.00	1,605,107.00	0.00	1,605,107.00	39,600,004.00	6.248%
Total hedge equity	0.00	39,600,004.00	37,994,897.00	1,605,107.00	0.00	1,605,107.00	39,600,004.00	6.248%
Total hedge fund	0.00	39,600,004.00	37,994,897.00	1,605,107.00	0.00	1,605,107.00	39,600,004.00	6.248%
Cash and Cash Equivalents								

Currency

31 Oct 22

Account number OKMUNT

OKMRF UNIT ACCOUNTS

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• Asset Summary

	Accrued		—		Unrealized gain/loss ———		Market values	
Description	income/expense	Market value	Cost	Market	Translation	Total	incl. accruals	%
Cash and Cash Equivalents								
Currency	-218,672.68	0.00	0.00	0.00	0.00	0.00	-218,672.68	-0.035%
Total currency	-218,672.68	0.00	0.00	0.00	0.00	0.00	-218,672.68	-0.035%
Funds - short term investment								
Funds - Short Term Investment	30,427.17	12,051,110.49	12,051,110.49	0.00	0.00	0.00	12,081,537.66	1.906%
Total funds - short term investment	30,427.17	12,051,110.49	12,051,110.49	0.00	0.00	0.00	12,081,537.66	1.906%
Total cash and cash equivalents	-188,245.51	12,051,110.49	12,051,110.49	0.00	0.00	0.00	11,862,864.98	1.872%
Adjustments To Cash								
Pending trade purchases								
Pending trade purchases	0.00	-249,331.77	-249,331.77	0.00	0.00	0.00	-249,331.77	-0.039%
Total pending trade purchases	0.00	-249,331.77	-249,331.77	0.00	0.00	0.00	-249,331.77	-0.039%
Pending trade sales								
Pending trade sales	0.00	218,672.68	218,672.68	0.00	0.00	0.00	218,672.68	0.035%
Total pending trade sales	0.00	218,672.68	218,672.68	0.00	0.00	0.00	218,672.68	0.035%
Other payables								
Other Payables	0.00	-163.07	-163.07	0.00	0.00	0.00	-163.07	0.000%
Total other payables	0.00	-163.07	-163.07	0.00	0.00	0.00	-163.07	0.000%
Total adjustments to cash	0.00	-30,822.16	-30,822.16	0.00	0.00	0.00	-30,822.16	-0.005%

OKMRF UNIT ACCOUNTS

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Asset Summary

	Accrued				— Unrealized gain/loss —		Market values	
Description	income/expense	Market value	Cost	Market	Translation	Total	incl. accruals	%
Total Unrealized Gains						141,300,323.49		
Total Unrealized Losses						-25,482,055.96		
Total	70,775.94	633,685,963.92	517,867,696.39	115,818,267.53	0.00	115,818,267.53	633,756,739.86	100.000%
Total Cost incl. Accruals			517,938,472.33					
					Total Units		8,068,58	5.79
					Value per Unit:		\$78.546	6198

Although this report has been prepared using information believed to be reliable, it may contain information provided by third parties or derived from third party information, and/or information that may have been obtained from, categorized or otherwise reported based upon client direction. The Northern Trust Company does not guarantee the accuracy, timeliness or completeness of any such information. The information included in this report is intended to assist clients with their financial reporting needs, but you must consult with your accountants, auditors and/or legal counsel to ensure your accounting and financial reporting complies with applicable laws, regulations and accounting guidance. The Northern Trust Company and its affiliates shall have no responsibility for the consequences of investment decisions made in reliance on information contained in this report .

Oklahoma Municipal Retirement Fund Defined Benefit Plans Ownership by Plans October 31, 2022

			October 51,				
Plan Name	Units End of Month	Beginning of Month Market Value	Net Monthly Increase/ Decrease	10/31/2022 Market Value	12/31/2021 Market Value	12/31/2020 Market Value	12/31/2019 Market Value
Town of Adair	4,075.36	\$ 308,721.78	\$ 11,382.33	\$ 320,104.11	\$ 406,519.73	\$ 362,374.27	\$ 308,858.28
City of Altus	270,850.74	20,939,543.79	334,751.93	21,274,295.72	26,251,595.20	24,301,650.00	22,297,601.82
City of Alva	63,527.32	4,833,541.46	156,287.80	4,989,829.26	5,984,867.20	5,287,128.26	4,572,288.55
City of Antlers	19,774.20	1,504,521.89	48,666.56	1,553,188.45	1,867,274.40	1,653,816.62	1,458,192.76
City of Ardmore	489,047.22	37,325,413.23	1,087,386.73	38,412,799.96	46,350,679.90	41,199,766.29	35,792,729.96
City of Bartlesville	293,508.70	22,404,362.73	649,629.59	23,053,992.32	27,807,264.09	24,819,815.57	21,754,947.32
City of Bartlesville RM	6,831.03	523,085.19	13,466.58	536,551.77	669,000.55	603,761.29	559,365.91
City of Bethany	354,332.11	27,117,751.16	713,688.96	27,831,440.12	34,731,307.07	31,826,378.89	28,616,108.52
Bethany/Warr Acres PWA	36,062.70	2,757,900.80	74,687.08	2,832,587.88	3,487,200.98	3,194,658.88	2,847,217.66
Town of Billings	3,241.63	246,855.03	7,762.37	254,617.40	304,179.21	268,170.20	324,267.96
Town of Binger	2,943.00	224,640.88	6,520.92	231,161.80	283,512.90	261,221.50	245,185.12
City of Blackwell	74,104.30	5,652,283.27	168,328.06	5,820,611.33	6,998,479.52	6,345,991.33	6,486,538.14
Town of Blair	8,608.75	654,514.71	21,670.16	676,184.87	789,759.46	684,748.06	577,439.73
City of Boise City	21,045.25	1,610,588.24	42,436.35	1,653,024.59	2,055,730.61	1,883,287.80	1,726,311.06
Town of Bokchito	2,687.98	202,254.34	8,876.07	211,130.41	235,788.60	199,432.61	167,705.09
Town of Braman	1,617.58	124,476.92	2,577.86	127,054.78	177,212.34	183,517.11	189,562.86
City of Bristow	49,306.31	3,760,822.68	112,000.53	3,872,823.21	4,754,159.04	4,323,027.44	3,887,117.84
City of Broken Bow	94,431.10	7,185,948.14	231,255.84	7,417,203.98	8,742,072.34	7,664,768.90	6,593,814.55
Town of Buffalo	13,103.68	1,002,499.58	26,744.98	1,029,244.56	1,273,392.79	1,170,854.49	1,070,779.20
Town of Burns Flat	11,205.59	855,435.26	24,721.46	880,156.72	1,063,466.35	947,979.95	840,119.05
Town of Calera	17,091.58	1,297,550.67	44,927.90	1,342,478.57	1,598,982.05	1,408,033.69	1,193,332.11
Central Oklahoma MCD	27,373.82	2,086,051.46	64,058.25	2,150,109.71	2,578,837.28	2,321,754.29	2,050,319.54
City of Chandler	47,101.70	3,587,172.91	112,486.86	3,699,659.77	4,383,461.41	3,923,358.05	3,330,581.64
City of Checotah	37,693.61	2,871,786.92	88,902.71	2,960,689.63	3,509,547.89	3,074,050.37	2,667,338.19
City of Cherokee	5,973.55	447,097.89	22,101.57	469,199.46	562,622.42	494,163.16	450,807.09
City of Chickasha	218,753.90	16,747,140.13	435,146.83	17,182,286.96	21,381,692.30	19,767,539.33	18,021,288.78
Town of Chouteau	139.41	10,681.02	269.41	10,950.43	13,711.85	12,775.54	11,782.53
City of Claremore	252,710.55	19,285,672.81	563,780.34	19,849,453.15	23,887,587.49	21,476,719.07	19,137,057.05
Town Cleo Springs	2,002.77	154,243.74	3,066.23	157,309.97	217,197.90	224,754.94	228,525.17
City of Cleveland	34,803.23	2,663,420.39	70,241.32	2,733,661.71	3,418,016.29	3,212,835.69	2,931,928.21
City of Clinton	185,002.66	14,165,715.92	365,539.32	14,531,255.24	17,753,782.94	16,071,036.79	14,333,150.33
City of Collinsville	50,355.13	3,833,600.36	121,603.96	3,955,204.32	4,844,092.91	4,192,153.64	3,577,602.37
Town of Copan	1,258.30	95,560.72	3,273.96	98,834.68	110,128.91	96,542.98	75,836.81
City of Cordell City of Cushing	67,931.46 266,831.54	5,199,188.33 20,437,362.59	136,569.42 521,240.28	5,335,757.75 20,958,602.87	6,598,523.94 26,073,950.04	6,024,133.78 24,143,862.79	5,450,735.89 22,131,487.39
City of Davis	32,166.06	2,455,307.71	71,213.88	2,526,521.59	3,028,986.90	2,719,658.97	2,375,466.61
City of Del City	251,809.45	19,100,807.52	677,867.30	19,778,674.82	23,602,360.42	21,321,583.61	19,083,328.56
City of Dewey	29,801.30	2,269,716.14	71,063.05	2,340,779.19	2,788,710.81	2,459,499.18	2,104,816.00
City of Drumright	32,722.78	2,499,874.66	70,375.01	2,570,249.67	3,181,101.51	2,904,837.48	2,656,969.90
City of Durant	331,277.49	25,328,816.50	691,771.20	26,020,587.70	31,684,920.07	28,653,755.32	25,409,995.26
City of El Reno	85,553.13	6,547,270.63	172,602.85	6,719,873.48	8,122,668.95	7,094,392.17	6,060,460.06
City of Eufaula	18,287.78	1,403,617.12	32,818.75	1,436,435.87	1,763,033.46	1,591,105.62	1,413,490.33
Town of Fort Cobb	3,176.31	243,074.18	6,413.23	249,487.41	309,750.50	287,317.16	260,051.07
Foss Reservoir PWA	12,831.11	979,035.57	28,799.66	1,007,835.23	1,217,576.40	1,091,733.72	994,190.49
City of Frederick	60,976.77	4,654,801.00	134,692.38	4,789,493.38	5,818,322.88	5,291,788.55	4,625,641.46
City of Garber	2,171.94	165,571.10	5,026.70	170,597.80	184,430.53	144,823.03	110,995.79
City of Geary	23,678.91	1,806,583.13	53,305.42	1,859,888.55	2,215,599.77	1,967,750.63	1,715,697.63
Town of Goodwell	4,026.61	307,362.54	8,912.23	316,274.77	402,887.95	362,994.37	316,358.97
Town of Gore	13,071.94	1,001,628.73	25,122.43	1,026,751.16	1,226,330.02	1,067,536.50	893,361.51
Town of Granite	22,801.78	1,746,590.58	44,402.19	1,790,992.77	2,182,754.14	1,954,089.78	1,754,170.19
City of Guthrie	92,603.55	7,074,910.54	198,745.84	7,273,656.38	8,798,075.08	7,869,196.75	6,900,725.50
City of Guymon	77,106.07	5,902,036.69	154,351.87	6,056,388.56	7,528,767.46	6,997,038.59	6,374,153.00
City of Harrah	42,645.54	3,252,860.03	96,784.79	3,349,644.82	4,043,121.42	3,561,360.62	3,015,384.86
City of Healdton	22,499.09	1,714,731.17	52,486.53	1,767,217.70	2,131,343.04	1,912,107.46	1,665,521.34
City of Henryetta	48,007.71	4,151,394.63	(380,571.68)	3,770,822.95	5,100,982.60	4,403,901.24	3,708,551.50
City of Hooker	16,749.64	1,281,502.82	34,118.08	1,315,620.90	1,646,806.51	1,488,825.93	1,288,410.50
Town of Hulbert	12,027.04	919,047.94	25,630.67	944,678.61	1,107,281.57	962,264.79	792,545.46
Town of Hydro	4,709.66	359,586.10	10,339.56	369,925.66	470,613.68	431,563.41	389,568.37
Town of Kansas	1,987.71	152,290.02	3,837.26	156,127.28	181,659.69	162,055.69	142,775.44
Town of Kiefer	2,633.89	201,169.22	5,712.86	206,882.08	230,716.92	187,984.97	146,192.57
Town of Kingston	9,412.78	722,960.74	16,377.60	739,338.34	927,202.38	829,696.97	741,477.43
City of Krebs	8,423.80	638,289.56	23,368.05	661,657.61	757,411.55	641,660.29	546,127.50
Town of Laverne	18,995.40	1,448,285.70	43,730.69	1,492,016.39	1,815,395.83	1,624,239.41	1,417,611.41
City of Lindsay	68,196.39	5,196,981.96	159,585.07	5,356,567.03	6,512,706.58	5,856,424.18	5,191,584.21
City of Madill	47,911.76	3,633,887.74	129,398.49	3,763,286.23	4,446,509.40	3,865,325.30	3,351,652.99
Town of Mannford	48,501.51	3,690,919.64	118,689.87	3,809,609.51	4,413,949.60	3,831,003.93	3,329,701.33
Town of Mannford RM	750.55	57,215.89	1,737.06	58,952.95	70,630.30	66,323.49	64,914.97
City of Marietta	17,377.67	1,322,948.34	42,001.61	1,364,949.95	1,622,652.96	1,464,994.61	1,276,004.33
Marietta PWA	7,180.72	546,733.49	17,285.07	564,018.56	664,216.78	578,808.30	499,377.34

Oklahoma Municipal Retirement Fund Defined Benefit Plans Ownership by Plans October 31, 2022

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Plan Name	Units End of Month	Beginning of Month Market Value	Net Monthly Increase/ Decrease	10/31/2022 Market Value	12/31/2021 Market Value	12/31/2020 Market Value	12/31/2019 Market Value
City of McLoud	13,170.88	1,000,911.92	33,610.46	1,034,522.38	1,184,506.05	1,009,696.40	850,445.59
City of Medford	46,750.15	3,573,122.39	98,924.54	3,672,046.93	4,609,235.71	4,147,988.74	3,617,878.80
Town of Meeker	10,098.38	769,088.07	24,101.60	793,189.67	950,447.44	851,586.23	765,242.40
City of Miami	159,779.17	12,193,921.37	356,125.27	12,550,046.64	15,130,413.37	13,545,373.52	11,921,161.42
Town of Mooreland	17,894.01	1,390,719.98	14,786.42	1,405,506.40	1,766,367.55	1,630,563.48	1,475,347.60
Mountain Park MCD	13,696.51	1,054,394.00	21,414.46	1,075,808.46	1,321,111.55	1,187,725.21	1,080,760.29
Town of Muldrow	31,565.73	2,409,265.67	70,102.43	2,479,368.10	2,972,788.17	2,691,871.03	2,405,797.33
City of Muskogee	480.89 109,985.87	36,893.63 8,386,139.68	878.44 252,832.55	37,772.07 8,638,972.23	48,079.00 10,384,236.79	45,426.32 9,114,004.75	42,487.05
City of Mustang City of Newkirk	14,060.51	1,074,700.78	29,699.19	1,104,399.97	1,370,794.91	1,331,492.81	1,279,498.08
City of Nichols Hills	145,231.46	11,094,950.72	312,428.05	11,407,378.77	14,166,832.14	12,836,303.09	11,302,402.25
City of Noble	37,969.89	2,882,810.33	99,579.97	2,982,390.30	3,455,039.34	2,946,250.25	2,498,653.34
City of Norman	1,607.81	126,605.06	(317.65)	126,287.41	197,212.28	162,164.30	192,326.84
City of Nowata	34,731.45	2,649,257.80	78,765.79	2,728,023.59	3,236,832.26	2,859,107.24	2,466,632.05
City of Oilton	6,164.86	471,584.02	12,642.12	484,226.14	582,234.99	523,604.69	472,065.77
Okmrf	26,573.77	2,007,633.00	79,635.46	2,087,268.46	2,375,103.58	1,994,654.09	1,614,591.78
Town of Okeene	15,624.22	1,195,030.87	32,191.98	1,227,222.85	1,509,997.84	1,383,862.16	1,240,038.99
City of Okemah	26,828.31	2,047,897.16	59,364.83	2,107,261.99	2,468,179.06	2,121,535.79	1,776,212.09
OML	97,289.92	7,440,944.31	200,809.36	7,641,753.67	9,434,662.97	8,559,637.78	7,780,425.00
City of Okmulgee	237,539.52	18,148,738.15	509,088.26	18,657,826.41	22,753,205.62	20,536,020.67	18,237,841.72
City of Owasso	293,502.47	22,290,211.62	763,291.33	23,053,502.95	27,198,403.68	23,682,462.55	20,149,982.50
City of Pawnee	43,155.25	3,286,836.82	102,843.64	3,389,680.46	4,091,386.46	3,683,099.90	3,233,859.14
City of Perkins	18,277.09	1,394,410.69	41,185.15	1,435,595.84	1,718,964.34	1,519,382.64	1,357,000.10
City of Perry	63,498.77	4,841,402.23	146,184.93	4,987,587.16	5,940,179.43	5,394,273.46	4,808,826.81
City of Piedmont	10,184.47	771,224.69	28,726.79	799,951.48	899,951.51	732,349.13	554,553.61
City of Pond Creek	20,384.60	1,543,867.97	57,264.47	1,601,132.44	1,930,759.95	1,717,878.92	1,436,890.67
Town of Porum	7,015.90	534,049.06	17,023.32	551,072.38	636,554.15	545,347.69	453,716.85
City of Poteau	91,381.27	6,989,010.11	188,641.54	7,177,651.65	8,871,628.60	8,206,149.92	7,425,478.72
Town of Ratliff City	2,508.76	190,471.94	6,582.01	197,053.95	227,759.88	195,453.77	164,021.92
Town of Ringling	2,735.92	208,293.70	6,602.79	214,896.49	251,114.92	226,976.15	199,537.07
Town of Roland	23,181.57	1,769,845.81	50,978.19	1,820,824.00	2,085,769.35	1,786,391.45	1,481,144.00
City of Sallisaw	236,394.16	18,035,264.12	532,598.25	18,567,862.37	22,356,128.67	19,832,085.41	17,314,348.43
Town of Seiling	14,527.29	1,109,199.14	31,864.63	1,141,063.77	1,374,443.03	1,210,401.28	1,053,439.63
City of Shawnee	443,619.95	34,022,215.94	822,444.32	34,844,660.26	43,966,175.80	41,138,360.35	38,238,231.22
City of Skiatook	33,655.77	2,540,447.04	103,085.76	2,643,532.80	2,904,498.85	2,363,982.22	1,833,308.89
City of Spencer Town of Spiro	15,851.08 16,195.06	1,208,065.39 1,238,452.98	36,976.92 33,607.47	1,245,042.31 1,272,060.45	1,492,173.22 1,552,178.99	1,333,949.92 1,405,420.41	1,178,611.80 1,240,951.15
City of Stillwater	0.00	1,238,432.38	-	1,272,000.45	1,552,178.55	12,270,143.46	10,696,292.33
City of Stilwell	120,830.92	9,239,404.89	251,404.15	9,490,809.04	11,680,415.93	10,770,773.24	9,833,106.26
Town of Stratford	4,555.72	354,815.97	3,018.42	357,834.39	441,895.26	396,334.53	344,722.30
City of Stroud	53,958.53	4,113,229.12	125,007.88	4,238,237.00	5,067,710.15	4,464,890.41	3,915,086.33
City of Sulphur	74,479.05	5,674,000.97	176,045.02	5,850,045.99	7,072,741.26	6,376,154.45	5,627,793.25
Town of Talihina	12,838.42	967,307.69	41,101.67	1,008,409.36	1,149,737.08	985,307.98	854,424.66
City of Tecumseh	1,541.72	118,956.89	2,139.03	121,095.92	160,983.01	141,508.83	126,021.33
City of Thomas	13,185.02	1,008,205.98	27,427.19	1,035,633.17	1,257,373.40	1,136,319.39	1,020,043.53
Town of Tipton	4,021.39	301,241.25	14,623.43	315,864.68	395,245.95	339,394.86	288,189.40
City of Tishomingo	8,054.47	611,850.86	20,797.06	632,647.92	726,109.91	624,396.56	539,110.73
City of Tonkawa	37,652.30	2,877,426.50	80,018.28	2,957,444.78	3,610,918.97	3,252,593.87	2,885,111.44
Town of Valliant	786.50	58,021.16	3,755.64	61,776.80	50,123.50	5,874.88	-
Town of Velma	4,384.67	335,344.69	9,054.15	344,398.84	423,919.51	384,973.56	344,066.56
Town of Vian	6,393.40	472,001.36	30,175.91	502,177.27	543,083.92	448,146.77	365,745.88
City of Vinita	106,773.17	8,241,115.78	145,510.95	8,386,626.73	10,412,933.95	9,512,689.34	8,784,014.62
Town of Wakita	2,750.25	210,598.47	5,423.16	216,021.63	269,180.61	248,210.60	227,220.27
City of Warr Acres	115,204.10	8,786,813.22	262,031.21	9,048,844.43	11,106,413.75	10,139,615.97	9,157,219.99
City of Watonga	59,766.70	4,564,895.43	129,551.66	4,694,447.09	5,740,785.94	5,185,511.66	4,633,773.16
Town of Waukomis	6,926.94	525,544.54	18,540.24	544,084.78	637,639.61	557,610.78	490,181.65
City of Waurika	14,979.13	1,143,453.05	33,100.51	1,176,553.56	1,440,976.17	1,315,462.50	1,176,539.39
City of Weatherford	90,133.22	6,861,913.03	217,708.78	7,079,621.81	8,424,397.04	7,443,651.09	6,403,233.13
City of Weatherford RM	1,489.14	112,989.53	3,976.59	116,966.12	133,821.14	118,766.77	113,286.79
Town of Webbers Falls	2,900.27	220,505.36	7,299.87	227,805.23	272,009.49	237,234.96	204,088.80
Town of Wellston Westville Utility Auth	7,809.86	597,747.28	15,687.54	613,434.82	749,108.37	663,870.98	572,709.75
City of Wetumka	9,335.72	708,892.30	24,393.08	733,285.38	858,940.34	796,079.94 1,719,560.48	673,407.31
City of Wilburton	19,126.71 3,665.88	1,470,486.39 267,875.08	31,844.14 20,065.63	1,502,330.53 287,940.71	1,845,284.52 304,698.77	229,875.82	1,626,012.31 161,276.28
City of Yale	20,968.39	1,600,976.47	46,010.71	1,646,987.18	2,007,074.52	1,784,340.87	1,576,027.60
City of Yukon	373,559.84	28,594,474.24	747,231.04	29,341,705.28	35,979,483.42	32,317,835.03	28,438,754.57
Rounding	0.01	(1.71)	5.57	3.86	(3.19)	(4.22)	1.75
Totals	8,068,585.79	\$ 616,863,180.22	\$ 16,893,559.64	\$ 633,756,739.86	\$ 771,543,429.31	\$ 707,593,664.67	\$ 628,633,373.09
Unit Values			, ,,	\$78.546198	\$94.104549	\$83.554884	\$72.823507

Oklahoma Municipal Retirement Fund Defined Benefit Plans as of October, 2022

City	12/31/20 Mkt.Val	12/31/21 Mkt.Val	9/30/22 Mkt.Val	10/31/22 Mkt.Val	Monthly Dollars	Units BOM	Units New	Units EOM
Totals	707,593,669.03	771,543,432.68	616,863,182.11	633,756,736.16	-1,780,211.44	8,091,938.38	-23,352.60	8,068,585.78
Unit Values	83.554884	94.10455	76.231819	78.546198				
Adair	362,374.26	406,519.73	308,721.78	320,104.11	1,950.40	4,049.78	25.58	4,075.36
Altus	24,301,650.00	26,251,595.21	20,939,543.80	21,274,295.73	-292,099.33	274,682.46	-3,831.72	270,850.74
Alva	5,287,128.26	5,984,867.20	4,833,541.46	4,989,829.26	9,261.51	63,405.83	121.49	63,527.32
Antlers	1,653,816.62	1,867,274.40	1,504,521.89	1,553,188.45	2,901.57	19,736.14	38.06	19,774.20
Ardmore	41,199,766.28	46,350,679.89	37,325,413.22	38,412,799.95	-44,453.89	489,630.36	-583.14	489,047.22
Bartlesville	24,819,815.57	27,807,264.08	22,404,362.73	23,053,992.31	-29,660.78	293,897.78	-389.08	293,508.70
Bartlesville HP	603,761.29	669,000.55	523,085.19	536,551.77	-2,343.03	6,861.77	-30.74	6,831.03
Bethany	31,826,378.88	34,731,307.06	27,117,751.15	27,831,440.12	-106,369.83	355,727.46	-1,395.35	354,332.11
Bethany/Warr Acres	3,194,658.89	3,487,200.99	2,757,900.80	2,832,587.88	-8,775.67	36,177.82	-115.12	36,062.70
Billings	268,170.20	304,179.21	246,855.04	254,617.41	260.02	3,238.22	3.41	3,241.63
Binger	261,221.50	283,512.89	224,640.88	231,161.80	-290.31	2,946.81	-3.81	2,943.00
Blackwell	6,345,991.39	6,998,479.58	5,652,283.33	5,820,611.38	-3,177.39	74,145.99	-41.69	74,104.30
Blair	684,748.06	789,759.45	654,514.71	676,184.87	1,746.24	8,585.85	22.90	8,608.75
Boise City	1,883,287.81	2,055,730.62	1,610,588.25	1,653,024.60	-6,270.34	21,127.51	-82.26	21,045.25
Bokchito	199,432.61	235,788.60	202,254.34	211,130.41	2,655.07	2,653.15	34.83	2,687.98
Braman	183,517.11	177,212.34	124,476.92	127,054.78	-1,165.83	1,632.87	-15.29	1,617.58
Bristow	4,323,027.43	4,754,159.03	3,760,822.68	3,872,823.21	-2,112.96	49,334.03	-27.72	49,306.31
Broken Bow	7,664,768.89	8,742,072.33	7,185,948.14	7,417,203.97	12,706.48	94,264.42	166.68	94,431.10
Buffalo	1,170,854.48	1,273,392.78	1,002,499.57	1,029,244.56	-3,581.91	13,150.67	-46.99	13,103.68
Burns Flat	947,979.95	1,063,466.36	855,435.26	880,156.72	-1,212.53	11,221.50	-15.91	11,205.59
Calera	1,408,033.68	1,598,982.04	1,297,550.67	1,342,478.57	5,371.51	17,021.12	70.46	17,091.58
Central Okla Master Cons	2,321,754.29	2,578,837.28	2,086,051.47	2,150,109.72	704.85	27,364.58	9.24	27,373.82
Chandler	3,923,358.05	4,383,461.40	3,587,172.91	3,699,659.77	3,475.66	47,056.11	45.59	47,101.70
Checotah	3,074,050.38	3,509,547.89	2,871,786.92	2,960,689.63	1,665.41	37,671.76	21.85	37,693.61
Cherokee & CDA	494,163.17	562,622.42	447,097.90	469,199.46	8,276.51	5,864.98	108.57	5,973.55
Chickasha	19,767,539.35	21,381,692.32	16,747,140.14	17,182,286.98	-71,132.59	219,687.01	-933.11	218,753.90
Chouteau	12,775.54	13,711.85	10,681.01	10,950.43	-53.24	140.11	-0.70	139.41
Claremore	21,476,719.07	23,887,587.49	19,285,672.81	19,849,453.15	-21,087.65	252,987.18	-276.63	252,710.55
Cleo Springs	224,754.93	217,197.90	154,243.74	157,309.97	-1,568.94	2,023.35	-20.58	2,002.77
Cleveland	3,212,835.69	3,418,016.28	2,663,420.38	2,733,661.71	-10,306.55	34,938.43	-135.20	34,803.23
Clinton	16,071,036.79	17,753,782.95	14,165,715.94	14,531,255.25	-62,626.95	185,824.19	-821.53	185,002.66
Collinsville	4,192,153.65	4,844,092.92	3,833,600.38	3,955,204.33	5,063.09	50,288.72	66.41	50,355.13
Copan	96,542.98	110,128.91	95,560.72	98,834.67	361.77	1,253.55	4.75	1,258.30
Cordell	6,024,133.78	6,598,523.94	5,199,188.33	5,335,757.74	-20,649.72	68,202.34	-270.88	67,931.46
Cushing	24,143,862.81	26,073,950.05	20,437,362.60	20,958,602.88	-96,309.03	268,094.91	-1,263.37	266,831.54
Davis	2,719,658.97	3,028,986.89	2,455,307.71	2,526,521.59	-3,230.57	32,208.44	-42.38	32,166.06
Del City	21,321,583.61	23,602,360.42	19,100,807.52	19,778,674.82	95,084.80	250,562.14	1,247.31	251,809.45
Dewey	2,459,499.18	2,788,710.81	2,269,716.14	2,340,779.19	2,091.54	29,773.87	27.43	29,801.30
Drumright	2,904,837.48	3,181,101.52	2,499,874.66	2,570,249.68	-5,357.89	32,793.06	-70.28	32,722.78
Durant	28,653,755.32	31,684,920.07	25,328,816.51	26,020,587.70	-74,930.48	332,260.42	-982.93	331,277.49
El Reno	7,094,392.17	8,122,668.95	6,547,270.62	6,719,873.47	-25,399.53	85,886.32	-333.19	85,553.13
Eufaula	1,591,105.62	1,763,033.46	1,403,617.12	1,436,435.87	-9,506.12	18,412.48	-124.70	18,287.78
Fort Cobb	287,317.16	309,750.50	243,074.18	249,487.40	-937.97	3,188.62	-12.31	3,176.31
Foss Reservoir Public Works	1,091,733.73	1,217,576.41	979,035.58	1,007,835.23	-896.41	12,842.87	-11.76	12,831.11
Frederick	5,291,788.54	5,818,322.88	4,654,800.99	4,789,493.38	-6,430.97	61,061.13	-84.36	60,976.77
Garber	144,823.03	184,430.52	165,571.10	170,597.80	0.00	2,171.94	0.00	2,171.94
Geary	1,967,750.64	2,215,599.78	1,806,583.14	1,859,888.55	-1,496.56	23,698.54	-19.63	23,678.91
Goodwell	362,994.38	402,887.96	307,362.54	316,274.77	-406.87	4,031.95	-5.34	4,026.61
Gore & Gore PWA	1,067,536.51	1,226,330.03	1,001,628.73	1,026,751.16	-5,130.99	13,139.25	-67.31	13,071.94
Granite	1,954,089.78	2,182,754.14	1,746,590.58	1,790,992.77	-8,369.76	22,911.57	-109.79	22,801.78
Guthrie	7,869,196.74	8,798,075.08	7,074,910.54	7,273,656.38	-15,573.86	92,807.84	-204.30	92,603.54
Guymon	6,997,038.60	7,528,767.46	5,902,036.69	6,056,388.57	-24,100.79	77,422.22	-316.15	77,106.07
Harrah	3,561,360.62	4,043,121.41	3,252,860.03	3,349,644.81	-1,913.15	42,670.63	-25.09	42,645.54
Healdton	1,912,107.46	2,131,343.04	1,714,731.18	1,767,217.71	415.12	22,493.64	5.45	22,499.09
Henryetta	4,403,901.24	5,100,982.61	4,151,394.63	3,770,822.95	-491,679.71	54,457.50	-6,449.79	48,007.7
Hooker	1,488,825.93	1,646,806.51	1,281,502.82	1,315,620.89	-4,646.95	16,810.60	-60.96	16,749.6
Hulbert	962,264.79	1,107,281.57	919,047.94	944,678.61	-2,204.47	12,055.96	-28.92	12,027.0
Hydro	431,563.41	470,613.68	359,586.10	369,925.66	-560.37	4,717.01	-7.35	4,709.6
Kansas	162,055.69	181,659.69	152,290.02	156,127.28	-763.06	1,997.72	-10.01	1,987.7
Kiefer	187,984.97	230,716.93	201,169.23	206,882.09	-382.96	2,638.91	-5.02	2,633.89
Kingston	829,696.97	927,202.38	722,960.74	739,338.34	-5,407.15	9,483.71	-70.93	9,412.78
	641,660.28	757,411.54	638,289.55	661,657.60	3,872.18	8,373.01	50.79	8,423.80

Oklahoma Municipal Retirement Fund Defined Benefit Plans as of October, 2022

City	12/31/20 Mkt.Val	12/31/21 Mkt.Val	9/30/22 Mkt.Val	10/31/22 Mkt.Val	Monthly Dollars	Units BOM	Units New	Units EOM
Laverne	1,624,239.41	1,815,395.83	1,448,285.70	1,492,016.39	-231.86	18,998.44	-3.04	18,995.40
Lindsay & LPWA	5,856,424.17	6,512,706.57	5,196,981.95	5,356,567.02	1,752.78	68,173.40	22.99	68,196.39
Madill	3,865,325.30	4,446,509.41	3,633,887.74	3,763,286.23	18,512.53	47,668.91	242.85	47,911.76
Mannford	3,831,003.93	4,413,949.61	3,690,919.65	3,809,609.51	6,438.98	48,417.05	84.46	48,501.51
Mannford HP	66,323.49	70,630.30	57,215.89	58,952.95	0.00	750.55	0.00	750.55
Marietta	1,464,994.61	1,622,652.96	1,322,948.34	1,364,949.95	1,783.09	17,354.28	23.39	17,377.67
Marietta PWA	578,808.30	664,216.78	546,733.49	564,018.55	666.15	7,171.99	8.73	7,180.72
McLoud	1,009,696.40	1,184,506.05	1,000,911.92	1,034,522.37	3,128.05	13,129.84	41.04	13,170.88
Medford	4,147,988.74	4,609,235.72	3,573,122.39	3,672,046.93	-9,273.04	46,871.80	-121.65	46,750.15
Meeker	851,586.24	950,447.44	769,088.07	793,189.67	730.11	10,088.81	9.57	10,098.38
Miami	13,545,373.52	15,130,413.38	12,193,921.38	12,550,046.64	-13,664.30	159,958.42	-179.25	159,779.17
Mooreland	1,630,563.48	1,766,367.54	1,390,719.98	1,405,506.40	-26,627.10	18,243.30	-349.29	17,894.01
Mountain Park Master CD	1,187,725.21	1,321,111.54	1,054,394.00	1,075,808.45	-10,284.45	13,831.42	-134.91	13,696.51
Muldrow	2,691,871.03	2,972,788.17	2,409,265.67	2,479,368.10	-2,952.63	31,604.46	-38.73	31,565.73
Muskogee	45,426.32	48,079.00	36,893.63	37,772.07	-234.52	483.97	-3.08	480.89
Mustang	9,114,004.75	10,384,236.79	8,386,139.67	8,638,972.22	-1,716.45	110,008.39	-22.52	109,985.87
Newkirk	1,331,492.81	1,370,794.92	1,074,700.78	1,104,399.97	-2,842.17	14,097.80	-37.29	14,060.51
Nichols Hills	12,836,303.09	14,166,832.15	11,094,950.73	11,407,378.78	-23,692.58	145,542.25	-310.79	145,231.46
Noble	2,946,250.25	3,455,039.34	2,882,810.32	2,982,390.29		37,816.37	153.52	37,969.89
					11,703.26			
Norman	162,164.30	197,212.28	126,605.06	126,287.41	-4,038.73	1,660.79	-52.98	1,607.81
Nowata	2,859,107.24	3,236,832.26	2,649,257.80	2,728,023.58	-1,615.96	34,752.65	-21.20	34,731.45
Oilton	523,604.69	582,234.99	471,584.02	484,226.14	-1,625.70	6,186.18	-21.32	6,164.86
OkMRF	1,994,654.08	2,375,103.57	2,007,633.00	2,087,268.46	18,133.69	26,335.89	237.88	26,573.77
Okeene	1,383,862.16	1,509,997.84	1,195,030.87	1,227,222.85	-3,968.38	15,676.27	-52.05	15,624.22
Okemah	2,121,535.78	2,468,179.05	2,047,897.15	2,107,261.98	-2,726.06	26,864.07	-35.76	26,828.31
Oklahoma Municipal League	8,559,637.78	9,434,662.97	7,440,944.30	7,641,753.67	-24,356.39	97,609.43	-319.51	97,289.92
Okmulgee	20,536,020.67	22,753,205.62	18,148,738.15	18,657,826.41	-40,668.22	238,073.00	-533.48	237,539.52
Owasso	23,682,462.54	27,198,403.67	22,290,211.62	23,053,502.95	84,015.38	292,400.36	1,102.11	293,502.47
Pawnee	3,683,099.90	4,091,386.47	3,286,836.82	3,389,680.46	2,966.05	43,116.34	38.91	43,155.25
Perkins	1,519,382.64	1,718,964.33	1,394,410.69	1,435,595.84	-1,114.96	18,291.71	-14.62	18,277.09
Perry	5,394,273.45	5,940,179.43	4,841,402.22	4,987,587.16	-775.29	63,508.94	-10.17	63,498.77
Piedmont	732,349.13	899,951.51	771,224.69	799,951.48	5,156.06	10,116.83	67.64	10,184.47
Pond Creek	1,717,878.92	1,930,759.95	1,543,867.97	1,601,132.44	10,086.79	20,252.28	132.32	20,384.60
Porum	545,347.68	636,554.14	534,049.05	551,072.38	785.87	7,005.59	10.31	7,015.90
Poteau	8,206,149.93	8,871,628.61	6,989,010.11	7,177,651.65	-22,849.36	91,681.01	-299.74	91,381.27
Ratliff City	195,453.78	227,759.89	190,471.94	197,053.96	775.78	2,498.59	10.18	2,508.77
Ringling	226,976.15	251,114.92	208,293.70	214,896.49	270.82	2,732.37	3.55	2,735.92
Roland	1,786,391.44	2,085,769.34	1,769,845.81	1,820,823.99	-2,672.75	23,216.63	-35.06	23,181.57
							-190.31	
Sallisaw	19,832,085.40	22,356,128.66	18,035,264.11	18,567,862.36	-14,507.43	236,584.47		236,394.16
Seiling	1,210,401.28	1,374,443.03	1,109,199.14	1,141,063.77	-1,757.04	14,550.34	-23.05	14,527.29
Shawnee	41,138,360.45	43,966,175.91	34,022,216.03	34,844,660.35	-204,260.37	446,299.41	-2,679.46	443,619.95
Skiatook	2,363,982.22	2,904,498.85	2,540,447.03	2,643,532.80	25,193.56	33,325.28	330.49	33,655.77
Spencer	1,333,949.92	1,492,173.22	1,208,065.39	1,245,042.31	291.50	15,847.26	3.82	15,851.08
Spiro	1,405,420.41	1,552,179.00	1,238,452.99	1,272,060.46	-3,874.04	16,245.88	-50.82	16,195.06
Stillwater	12,270,143.46				0.00	0.00	0.00	0.00
Stilwell	10,770,773.24	11,680,415.93	9,239,404.89	9,490,809.04	-28,244.38	121,201.42	-370.50	120,830.92
Stratford	396,334.53	441,895.26	354,815.98	357,834.40	-7,525.24	4,654.43	-98.71	4,555.72
Stroud	4,464,890.41	5,067,710.14	4,113,229.12	4,238,237.00	127.40	53,956.85	1.68	53,958.53
Sulphur	6,376,154.45	7,072,741.26	5,674,000.96	5,850,045.99	3,672.28	74,430.87	48.18	74,479.05
Talihina & TPWA	985,307.99	1,149,737.08	967,307.69	1,008,409.36	11,388.69	12,689.03	149.39	12,838.42
Tecumseh	141,508.83	160,983.01	118,956.89	121,095.92	-1,429.09	1,560.46	-18.74	1,541.72
Thomas	1,136,319.39	1,257,373.41	1,008,205.99	1,035,633.18	-3,087.94	13,225.53	-40.51	13,185.02
Tipton	339,394.87	395,245.95	301,241.25	315,864.68	5,316.42	3,951.65	69.74	4,021.39
Tishomingo	624,396.55	726,109.90	611,850.85	632,647.91	2,155.97	8,026.19	28.28	8,054.47
Tonkawa	3,252,593.87	3,610,918.97	2,877,426.50	2,957,444.78	-7,123.40	37,745.74	-93.44	37,652.30
Valliant	5,874.88	50,123.50	58,021.16	61,776.81	1,935.38	761.11	25.39	786.50
Velma	384,973.56	423,919.51	335,344.69	344,398.84	-1,093.63	4,399.01	-14.34	4,384.67
Vian	448,146.77	543,083.92	472,001.36	502,177.27	15,379.16	6,191.66	201.74	6,393.40
Vinita	9,512,689.34	10,412,933.95	8,241,115.78	8,386,626.73	-101,602.64	108,105.98	-1,332.81	106,773.17
	248,210.60	269,180.61	210,598.48	216,021.64	-941.96	2,762.61	-12.36	2,750.25
Wakita Warr Acres	10,139,615.98	11,106,413.76	8,786,813.22	9,048,844.43	-4,594.75	115,264.38	-60.28	115,204.10
	10,139,615.98 5,185,511.65	11,106,413.76 5,740,785.93	8,786,813.22 4,564,895.43	9,048,844.43 4,694,447.09	-4,594.75 -8,771.14	115,264.38 59,881.76	-60.28 -115.06	59,766.70
Warr Acres								

Oklahoma Municipal Retirement Fund Defined Benefit Plans as of October, 2022

City	12/31/20 Mkt.Val	12/31/21 Mkt.Val	9/30/22 Mkt.Val	10/31/22 Mkt.Val	Monthly Dollars	Units BOM	Units New	Units EOM
Weatherford	7,443,651.09	8,424,397.04	6,861,913.02	7,079,621.80	9,106.35	90,013.76	119.46	90,133.22
Weatherford HP	118,766.76	133,821.14	112,989.52	116,966.11	530.16	1,482.18	6.96	1,489.14
Webbers Falls	237,234.95	272,009.48	220,505.35	227,805.22	587.55	2,892.56	7.71	2,900.27
Wellston	663,870.98	749,108.37	597,747.29	613,434.83	-2,387.44	7,841.18	-31.32	7,809.86
Westville Utility Authority	796,079.94	858,940.33	708,892.29	733,285.38	2,786.69	9,299.17	36.55	9,335.72
Wetumka	1,719,560.48	1,845,284.52	1,470,486.39	1,502,330.53	-12,422.32	19,289.67	-162.96	19,126.71
Wilburton	229,875.82	304,698.77	267,875.08	287,940.71	11,581.40	3,513.95	151.93	3,665.88
Yale	1,784,340.87	2,007,074.52	1,600,976.47	1,646,987.18	-2,518.09	21,001.42	-33.03	20,968.39
Yukon	32,317,835.03	35,979,483.42	28,594,474.24	29,341,705.28	-117,328.02	375,098.94	-1,539.10	373,559.84

OKLAHOMA MUNICIPAL RETIREMENT FUND Defined Contribution Plan Statement of Changes in Net Assets For the Month Ended October 31, 2022

Contributions:			
Employer	\$ 1,376,034.42		
Employee	604,210.40		
Employee rollovers	 -		
Total contributions			1,980,244.82
Investment income:			
Loan interest payments	27,004.27		
Net appreciation in fair value of investments	12,567,286.15		
Total investment income	12,594,290.42		
Administrative Expense:			
OkMRF administrative expenses	84,392.61		
Participant administrative loan fees	3,200.00		
Participant administrative other fees	 9,796.86		
Total administrative expense	97,389.47		
Net investment income		_	12,496,900.95
Total additions			14,477,145.77
Payment of benefits and member refunds	(2,414,410.04)		
Defaulted loans	 (88,917.73)		
Total deductions		_	(2,503,327.77)
Increase <decrease> in net position</decrease>			11,973,818.00
Net assets available for plan benefits:			
Beginning of month		_	340,436,643.69
Net assets available for plan benefits:			
End of month		\$_	352,410,461.69

	NTERNATIONAL ESTMENT EQUITY	AGGRESSIVE EQUITY	REAL ASSETS	GLOBAL EQUITY	ESG US STOCK FUND
Contributions	\$ 43,529.18	62,675.89	3,895.83	52,729.91	11,814.65
Investment income:					
Loan interest payments					
Net appreciation of investments	 208,393.57	1,443,344.52	21,700.13	574,461.04	79,842.84
Total investment income	 208,393.57	1,443,344.52	21,700.13	574,461.04	79,842.84
Administrative expense	(2,117.68)	(3,548.67)	(156.44)	(4,152.32)	(272.84)
Net investment income	 206,275.89	1,439,795.85	21,543.69	570,308.72	79,570.00
Payment of benefits/member refunds Defaulted loans	(107,640.48)	(16,523.86)	(5,690.59)	(261,743.41)	(8,448.28)
Net transfers from <to></to>	(89,494.58)	(143,219.56)	1,341.07	79,900.17	20,081.63
Total deductions	 (197,135.06)	(159,743.42)	(4,349.52)	(181,843.24)	11,633.35
Net increase <decrease> in net position</decrease>	52,670.01	1,342,728.32	21,090.00	441,195.39	103,018.00
Net assets available for plan benefits:					
Beginning of month	 6,994,038.04	15,042,491.93	889,400.42	9,227,520.78	1,184,932.78
End of month	\$ 7,046,708.05	16,385,220.25	910,490.42	9,668,716.17	1,287,950.78

	GROWTH & VALUE EQUITY	S&P 500 INDEX	TARGET RETIREMENT 2065	TARGET RETIREMENT 2060	TARGET RETIREMENT 2055
Contributions	80,033.85	132,499.45	107.33	250,907.64	185,202.67
Investment income:					
Loan interest payments					
Net appreciation of investments	1,491,793.18	2,436,260.99	7,793.08	298,138.48	328,214.39
Total investment income	1,491,793.18	2,436,260.99	7,793.08	298,138.48	328,214.39
Administrative expense	(4,046.30)	(8,188.56)	(31.52)	(6,295.59)	(4,777.07)
Net investment income	1,487,746.88	2,428,072.43	7,761.56	291,842.89	323,437.32
Payment of benefits/member refunds Defaulted loans	(71,555.63)	(288,667.65)	-	(29,168.80)	(47,485.22)
Net transfers from <to></to>	(968.68)	35,893.99	-	13,303.31	8,081.95
Total deductions	(72,524.31)	(252,773.66)	-	(15,865.49)	(39,403.27)
Net increase <decrease> in net position</decrease>	1,495,256.42	2,307,798.22	7,868.89	526,885.04	469,236.72
Net assets available for plan benefits:					
Beginning of month	19,306,241.95	30,149,684.35	150,633.77	5,645,955.48	6,272,482.77
End of month	20,801,498.37	32,457,482.57	158,502.66	6,172,840.52	6,741,719.49

	TARGET RETIREMENT 2050	TARGET RETIREMENT 2045	TARGET RETIREMENT 2040	TARGET RETIREMENT 2035	TARGET RETIREMENT 2030
Contributions	205,312.55	215,712.48	230,684.25	236,966.23	260,321.05
Investment income:					
Loan interest payments					
Net appreciation of investments	532,196.89	633,818.00	748,849.58	909,555.31	936,338.46
Total investment income	532,196.89	633,818.00	748,849.58	909,555.31	936,338.46
Administrative expense	(5,757.82)	(6,640.03)	(6,471.41)	(7,262.16)	(7,160.30)
Net investment income	526,439.07	627,177.97	742,378.17	902,293.15	929,178.16
Payment of benefits/member refunds Defaulted loans	(42,754.36)	(55,109.56)	(51,132.36)	(80,602.49)	(209,253.77)
Net transfers from <to></to>	3,660.43	(35,532.11)	(51,633.46)	(72,790.56)	532,471.10
Total deductions	(39,093.93)	(90,641.67)	(102,765.82)	(153,393.05)	323,217.33
Net increase <decrease> in net position</decrease>	692,657.69	752,248.78	870,296.60	985,866.33	1,512,716.54
Net assets available for plan benefits:					
Beginning of month	10,188,009.34	13,150,172.55	16,915,321.27	22,647,110.44	25,056,938.55
End of month	10,880,667.03	13,902,421.33	17,785,617.87	23,632,976.77	26,569,655.09

	TARGET RETIREMENT 2025	TARGET RETIREMENT 2020	TARGET RETIREMENT INCOME	TOTAL YIELD BOND	BOND INDEX
Contributions	191,623.01	91,572.19	35,113.05	17,238.44	52,186.14
Investment income:					
Loan interest payments	4 000 000 54	507 600 46	267 424 76		(400,000,00)
Net appreciation of investments	1,089,080.54	527,692.46	367,434.76	(59,060.91)	(180,986.60)
Total investment income	1,089,080.54	527,692.46	367,434.76	(59,060.91)	(180,986.60)
Administrative expense	(7,527.03)	(4,231.86)	(3,505.13)	(990.16)	(4,769.30)
Net investment income	1,081,553.51	523,460.60	363,929.63	(60,051.07)	(185,755.90)
Payment of benefits/member refunds Defaulted loans	(25,857.50)	(35,802.28)	(133,578.42)	(5,038.89)	(163,441.27)
Net transfers from <to></to>	(1,282,691.04)	16,156.84	19,994.39	(99,508.88)	41.14
Total deductions	(1,308,548.54)	(19,645.44)	(113,584.03)	(104,547.77)	(163,400.13)
Net increase <decrease> in net position</decrease>	(35,372.02)	595,387.35	285,458.65	(147,360.40)	(296,969.89)
Net assets available for plan benefits:					
Beginning of month	35,450,839.94	22,335,093.57	18,324,637.23	5,321,413.90	13,903,207.81
					· · _
End of month	35,415,467.92	22,930,480.92	18,610,095.88	5,174,053.50	13,606,237.92

	VOYA FIXED PLUS III	LOAN PORTFOLIO	SELF DIRECTED BROKER	TOTAL	RECLASS ENTRIES	GRAND TOTAL
Contributions	109,708.99	-	-	2,469,834.78	(489,589.96)	\$ 1,980,244.82
Investment income:						
Loan interest payments					27,004.27	27,004.27
Net appreciation of investments	80,610.58	27,728.49	2,172.91	12,505,372.69	61,913.46	12,567,286.15
Total investment income	80,610.58	27,728.49	2,172.91	12,505,372.69	88,917.73	12,594,290.42
Administrative expense	(9,487.28)	-	-	(97,389.47)	-	(97,389.47)
Net investment income	71,123.30	27,728.49	2,172.91	12,407,983.22	88,917.73	12,496,900.95
Payment of benefits/member refunds Defaulted loans	(1,216,779.14)	(88,917.73)	-	(2,945,191.69)	530,781.65 (88,917.73)	(2,414,410.04) (88,917.73)
Net transfers from <to></to>	1,027,845.57	60,236.44	(1,977.47)	41,191.69	(41,191.69)	0.00
Total deductions	(188,933.57)	(28,681.29)	(1,977.47)	(2,904,000.00)	400,672.23	(2,503,327.77)
Net increase <decrease> in net position</decrease>	(8,101.28)	(952.80)	195.44	11,973,818.00	-	11,973,818.00
Net assets available for plan benefits: Beginning of month	54,598,930.34	7,427,407.15	254,179.33	340,436,643.69	-	340,436,643.69
End of month	54,590,829.06	7,426,454.35	254,374.77	352,410,461.69		\$ 352,410,461.69

PLAN NAME	INTERNATIONAL INVESTMENT EQUITY	AGGRESSIVE EQUITY	REAL ASSETS FUND	GLOBAL EQUITY	ESG US STOCK FUND	GROWTH & VALUE EQUITY	S&P 500 INDEX FUND	TARGET DATE FUNDS*	TOTAL YIELD BOND	BOND INDEX FUND	VOYA FIXED PLUS III	LOAN FUND	SELF DIRECTED BROKER	GRAND TOTAL
ADA	616,117.77	1,208,925.61	73,976.92	1,538,098.03	169,135.54	1,845,777.68	3,396,910.82	9,543,890.42	679,593.87	1,387,245.63	8,295,926.63	377,906.00	-	29,133,504.92
ADA CMO	42,658.02	57,668.25	-	-	-	-	180,781.62	-	40,890.08	38,342.64	-	-	-	360,340.61
AFTON	-	-	-	-	-	-	34,083.66	30,105.75	-	-	89,694.39	8,000.00	-	161,883.80
ALTUS	17,917.07	47,682.71	881.68	25,082.57	-	56,585.12	74,975.36	2,037,266.93	16,700.58	90,186.53	154,710.37	87,818.41	-	2,609,807.33
ALTUS CMO	-	-	-	-	-	-	-	160,195.10	-	-	1,859.70	-	-	162,054.80
ALTUS CMO 2	-	-	-	-	-	34,251.40	-	74,785.67	-	-	-	-	-	109,037.07
ALVA	46,849.03	86,557.90	-	22,185.40	-	240,945.83	303,593.03	443,795.44	249.44	47,811.22	105,485.10	-	-	1,297,472.39
ARAPAHO	-	-	-	-	-	-	-	36,326.18	-	-	205.96	-	-	36,532.14
ARKOMA	9,729.14	267.38	-	-	-	655.19	622.93	208,063.52	28,740.55	3,659.18	16,453.40	-	-	268,191.29
BARTLESVILLE	31,153.60	39,174.98	1,867.40	78,947.08	24,185.08	356,251.92	340,122.28	1,826,625.16	9,870.60	28,548.64	128,990.31	142,120.11	-	3,007,857.16
BETHANY CMO	-	-	-	7,808.72	-	-	5,154.30	31,040.53	-	13,099.46	20,027.44	-	-	77,130.45
BETHANY WARR ACRES	-	-	-	-	-	11,014.10	11,834.72	17,295.67	2,025.86	3,938.13	4,697.96	-	-	50,806.44
BIXBY CMO	-	-	-	-	-	-	-	22,881.65	-	-	-	-	-	22,881.65
BLACKWELL	93.58	7,967.38	-	407.59	-	6,687.14	14,767.40	178,248.39	2,806.81	413.43	46,436.83	-	-	257,828.55
BLACKWELL CMO	4,866.81	1,335.97	-	11,022.40	-	-	11,272.87	13,288.14	-	3,097.72	-	-	-	44,883.91
BROKEN ARROW DC	802,571.94	2,619,245.07	256,653.85	1,217,902.41	184,821.89	3,007,312.80	4,639,217.66	26,074,422.49	463,265.19	883,213.75	6,270,649.56	1,210,284.85	34,670.38	47,664,231.84
BROKEN ARROW CMO-SI	-	-	-	-	-	-	-	91,862.68	-	-	-	-	-	91,862.68
CACHE AND CACHE PWA	167.96	253.12	-	-	-	293.58	300.24	139,852.77	-	148.45	3,765.01	-	-	144,781.13
CADDO AND CADDO PWA	401.07	438.72	-	-	-	430.80	223.61	213,929.28	-	232.23	277.04	-	-	215,932.75
CALUMET	-	-	-			-	-	36,251.94	-		572.65		-	36,824.59
CANEY	-	-	-	-	-	-	-	12,306.24	-	182.24	-	-	-	12,488.48
CARLTON LANDING	-	-	-		-	-	-	39,222.67	-		-		-	39,222.67
CARMEN AND CPWA	-	1,455.68	-	-	-	-	-	90,880.16	-	-	29.81	-	-	92,365.65
CASHION	1,206.82	3,611.40	-	-	-	4,562.78	6,555.55	245,982.29	2,059.94	941.52	27,157.96	-	-	292,078.26
CATOOSA CMO	-	-	-	-	-	-	-	111,197.16	-	-	-	5,272.61	-	116,469.77
CATOOSA CMO 2	-	-	-	-	-	-	-	6,018.36	-	-	-	, -	-	6,018.36
CATOOSA COP	-	-	-	-	-	-	-	41,026.55	-	-	-	-	-	41,026.55
CENTRAL OK MCD CMO	-	-	-	-	35,877.15	221,890.30	245,993.71	369,844.97	-	-	-	-	-	873,606.13
CHANDLER CMO	-	-	-	-	-	-	-	157,920.60	-	-	0.27	-	-	157,920.87
CHATTANOOGA	2,956.40	-	1,463.22	13,083.80	-	-	9,053.71	38,757.56	-	10,751.53	6,245.90	-	-	82,312.12
CHELSEA	10,575.74	-	-	32,849.11	-	-	32,730.60	161,980.22	-	15,729.59	163,063.37	12,495.13	-	429,423.76
CHELSEA GAS AUTHORITY	-	-	-	-	-	-	-	55,448.24	-	-	1,300.36	786.17	-	57,534.77
CHOCTAW	9,877.48	9,274.99	-	16,903.55	-	58,717.32	20,890.82	3,080,015.94	4,888.28	13,979.32	63,214.71	8,700.89	-	3,286,463.30
СНОСТОЖ СМО	-	-	-	, _	-	-	· -	5,687.44	-	-	-	-	-	5,687.44
CHOUTEAU	34,752.63	114,196.40	-	-	-	91,547.23	239.08	229,658.31	-	36.39	172,741.18	16,509.59	-	659,680.81
CLAREMORE CMO 1			-		-			12,427.90	-	-				12,427.90
CLEVELAND CMO	-	-	-	-	-	-	-	1,809.21	-	-	-	-	-	1,809.21
CLINTON	35,861.42	102,790.90	5,732.76	111,590.39	21,048.46	137,899.83	334,828.35	1,393,115.46	73,213.70	77,902.31	375,868.65	-	-	2,669,852.23
CLINTON CMO			-	,		-	-	35,089.37	-	-	-	-	-	35,089.37
COALGATE	8,229.63	25,737.17	179.09	4,597.01	-	76,249.34	53,192.11	443,226.96	18,376.07	18,019.60	31,643.82	46,455.09	-	725,905.89
COLLINSVILLE CMO	-	-	-	-	-	-	-	17,836.30	-	-	679,112.36	-	-	696,948.66
COLLINSVILLE CMO SI	-	-	-		-	-	-	75,399.56	-			-		75,399.56
COMANCHE CMO	-	-	-	-	-	-	-	50,958.95	-	-	-	-	-	50,958.95
COVINGTON	25,907.35	21,211.28	-	-	-	874.77	7,649.63	173,525.88	-	373.68	590.22	-	-	230,132.81
COWETA	70,481.60	66,752.13	1,235.66	65,936.87	89,229.04	194,528.06	205,329.00	1,009,584.39	-	45,335.07	220,584.71	55,753.54	-	2,024,750.07
COWETA CMO	12,993.32	-	-	87,379.58			93,939.78	765,388.66		41,697.18	30,246.41	-		1,031,644.93
COWETA CMO SI	-	-		-	-	-	-	51,393.48	-	-	-	-	-	51,393.48
CRESCENT	59.50	573.69	4.72	339.12	4.86	605.02	415.31	401,661.83	4.62	273.43	84.00			404,026.10
CRESCENT CMO	102.90	-		32,750.00	-	65,419.28	141.84			10,398.76	-	-	-	108,812.78
CUSTER CITY	-	124,664.26	-		-	-	-	34,712.92	-	-	3.12	-	-	159,380.30
DAVIS CMO		-	_	-	-	-	-	64,408.75	-	-	-	-	-	64,408.75
DEWEY CMO	-	-	_			-	-	191,444.12				_		191,444.12
DRUMRIGHT	14,767.20	15,575.41	_	_	_	5,195.67	34,645.18	163,384.06	_	493.59	51,741.73	18,215.81	-	304,018.65
DRUMRIGHT CMO	14,707.20	13,373.41	-	-	-	5,155.07	54,045.10	222,021.92	-	455.59	51,741.75	10,213.01	-	222,021.92
DUNCAN	14,289.36	65,579.72	10,849.71	43,286.20	-	26,678.92	67,281.40	1,612,647.15	3,597.05	29,231.29	10,531.51	-	770.14	1,884,742.45
	14,205.30	03,373.72	10,045.71	+3,200.20	-	20,078.32	07,201.40		3,397.05	23,231.29	10,331.31	-	//0.14	219,919.95
DUNCAN CMO	-	-	-	-	-	-	-	219,919.95	-	-	-	-	-	219,91

PLAN NAME	INTERNATIONAL INVESTMENT EQUITY	AGGRESSIVE EQUITY	REAL ASSETS FUND	GLOBAL EQUITY	ESG US STOCK FUND	GROWTH & VALUE EQUITY	S&P 500 INDEX FUND	TARGET DATE FUNDS*	TOTAL YIELD BOND	BOND INDEX FUND	VOYA FIXED PLUS III	LOAN FUND	SELF DIRECTED BROKER	GRAND TOTAL
DURANT	32,162.95	289,512.58	7,509.58	112,077.86	47,851.76	228,363.77	234,010.27	942,603.64	13,044.86	250,806.51	794,187.84	145,365.26	-	3,097,496.88
EAKLY	-	-	-	-	-	-	-	133,176.21	-	-	-	13,956.96	-	147,133.17
EAST DUKE AND DMA	-	-	-	-	-	-	-	45,313.82	-	-	597.71	-	-	45,911.53
EL RENO CMO	-	-	-	-	-	-	85,549.84	110,986.77	-	13,446.69	97,273.98	8,595.60	-	315,852.88
EL RENO CMO 2	-	-	-	-	-	-	-	16,212.18	-	-	-	-	-	16,212.18
ELDORADO	13,892.98	12,132.66	-	31,705.75	-	31,336.27	20,122.51	5,596.38	-	21,520.35	20,069.20	1,757.74	-	158,133.84
ELGIN	2,805.49	1,492.96	-	757.59	-	-	8,328.82	279,771.16	-	3,389.07	147,862.97	-	-	444,408.06
ERICK	-	-	-	-	-	-	-	56,635.54	-	-	2,745.24	-	-	59,380.78
ERICK CMO	-	-	-	-	-	-	-	6,598.34	-	-	-	-	-	6,598.34
EUFAULA CMO	-	-	-	-	-	-	103,366.32	-	-	-	-	-	-	103,366.32
FAIRVIEW	15,810.72	45,297.54	-	6,334.97	-	35,571.19	73,252.15	696,211.17	-	21,092.10	114,904.19	32,695.88	-	1,041,169.91
FAIRVIEW CMO	-	-	-	-	-	1,635.87	2,547.07	28,350.80	2,722.09	5,291.40	6,311.85	-	-	46,859.08
FLETCHER	-	-	-	-	-	-	-	46,425.73	-	-	21,802.08	-	-	68,227.81
FORT GIBSON	12,560.49	35,146.61	-	-	-	27,546.24	13,389.51	700,753.83	27,719.30	19,721.02	64,965.49	26,450.89	-	928,253.38
FREDERICK CMO	-	-	-	-	-	-	-	235,161.22	-	-	-	-	-	235,161.22
GAGE	-	-		-	-	-	-	25,342.77	-	-	286.21	-	-	25,628.98
GERONIMO	-	-	-	-	-	-	-	10,189.59	-	-	-	-	-	10,189.59
GLENCOE AND GPWA	-	-	-	-	-	-	-	49,558.60	-	-	1,057.94	-	-	50,616.54
GLENPOOL	27,314.07	42,822.73	_	_	-	58,379.84	40,076.08	781,010.71	21,056.29	9,594.22	7,915.90	54,023.15	-	1,042,192.99
GLENPOOL CMO 1	-	33,319.34		-	-	34,121.24		142,366.95	-	-	-	12,186.60		221,994.13
GLENPOOL CMO 2	_	-	_	_	_	-	-	161,025.56	-	_	-	-	-	161,025.56
GLENPOOL COP	_	-	-	-	-	-	23,285.66	-	17,802.87	-	19,222.67	-	-	60,311.20
GOLDSBY	25,817.99	76,173.32				88,895.15	196,987.33	834,589.01	17,802.87	889.80	124,697.53	27,373.12		1,375,423.25
GOLDSBT GOLTRY AND GPWA	-	- 10,173.32		-	-		-	20,213.02	-	-	68,635.35	- 27,373.12	-	88,848.37
GOODWELL								15.01			08,033.33			15.01
GUTHRIE CMO	-	-	-	-	-	-	-	211,338.62	-	-	-	-	-	211,338.62
			-		-							-	-	,
GUYMON GUYMON CMO	39,169.73	147,097.92 8,998.98	-	34,427.99 25,190.64	-	148,008.05 5,095.40	221,134.65 28,987.13	2,103,783.69	35,801.66 5,652.23	242,758.91 12,389.62	320,841.52 -	30,443.43	-	3,323,467.55
GUYMON CMO DH	6,316.15 1,462.67	,	-	,	-	56,659.53	,	573,999.44	11,490.61	,	- 157,855.81	1,646.77	-	92,630.15
HARRAH		11,472.07	-	5,810.29	-		102,736.27			3,115.68		1,040.77	-	926,249.14
HARRAH CMO	13,963.05	1,341.49	-	-	-	8,845.53	48,083.59	552,709.63	519.82	4,640.45	60,320.34	-	-	690,423.90 252,276.03
	-		-	-	-	-	-	50,222.51	-	-	202,053.52	-	-	,
HARTSHORNE	-	710.29	-	-	-	1,046.27	11,631.79	166,280.11	-	-	4,485.35	7,920.56	-	192,074.37
HASKELL	-	4,926.18	-	-	-	-	-	613,447.03	-	-	332,424.53	40,457.50	-	991,255.24
HASKELL CMO SI	-	-	-	-	-	-	-	-	-	-	79,043.01	-	-	79,043.01
HEALDTON CMO	-	-	-	-	-	-	-	33,960.67	-	-	-	-	-	33,960.67
HELENA	6,938.28	-	-	-	-	-	55,725.60	158,608.96	-	-	7,440.14	-	-	228,712.98
HENNESSEY	1,837.11	409.96	-	5,673.51	-	709.75	112,675.71	202,923.49	-	983.09	12,785.40	71,062.26	-	409,060.28
HENRYETTA CMO	11,774.72	12,879.34	-	-	-	12,647.65	-	12,889.54	-	-	-	-	-	50,191.25
HOBART	39,134.23	81,582.11	-	11,356.21	-	91,248.64	44,094.88	674,775.58	-	26,271.43	411,251.88	59,026.48	-	1,438,741.44
HOLLIS	-	-	-	-	-	-	-	524,348.72	14,295.92	12,893.34	60,581.46	13,288.55	-	625,407.99
HOMINY	30,631.39	99,422.63	-	64,921.60	-	100,852.46	121,435.80	521,182.49	7,157.64	161,020.08	244,799.53	27,249.54	-	1,378,673.16
HOMINY CMO	3,262.86	1,251.15	-	7,330.41	-	-	7,578.90	-	-	1,723.56	-	-	-	21,146.88
INOLA	-	-	-	-	-	-	-	75,995.51	-	-	44.90	3,700.00	-	79,740.41
JAY	23,332.68	32,677.48	-	10,920.20	-	7,791.91	54,292.18	546,856.00	23,792.15	75,792.86	262,003.25	77,083.34	-	1,114,542.05
JENKS	75,009.38	67,448.77	10,536.28	46,858.75	57,017.89	100,037.54	139,120.30	1,735,733.53	8,021.16	35,888.21	496,789.84	-	-	2,772,461.65
JONES CITY AND JONES PWA	-	-	-	16,867.19	-	-	18,081.82	97,492.19	-	11,529.67	47,676.67	37,360.70	-	229,008.24
KAW CITY	-	-	-	-	-	-	-	22,894.60	-	-	1,019.63	-	-	23,914.23
KONAWA AND KPWA	-	-	-	-	-	-	-	36,198.68	-	-	17,046.51	67.26	-	53,312.45
LAHOMA	1,514.58	6,441.61	-	-	-	4,430.89	4,586.83	110,356.61	3,942.33	1.27	0.13	-	-	131,274.25
LAWTON	5,657.73	1,204.13	18.01	20,825.64	-	5,634.32	25,905.15	1,596,537.89	-	7,080.99	94,292.56	-	-	1,757,156.42
LAWTON CMO	-	-	-	-	-	-	-	67,886.78	-	-	-	-	-	67,886.78
LEHIGH	-	-	-	-	-	-	-	1,576.01	-	-	-	-	-	1,576.01
LINDSAY & LPWA	1,787.02	919.44	19.23	2,822.29	-	-	3,841.78	177,099.63	-	1,104.97	5,197.38	3,673.97	-	196,465.71
LINDSAY AND LPWA CMO	-	-	-	-	-	-	-	60,701.63	-	-	-	-	-	60,701.63
LONE GROVE	3,630.76	3,712.80	349.92	10,901.16	-	29,006.98	13,049.47	275,860.74	3,171.34	7,340.06	194,589.28	25,216.02	-	566,828.53
LONE GROVE CMO	-	-	-	-	-	-	-	62,841.09	-	-	-	23,407.90	-	86,248.99

PLAN NAME	INTERNATIONAL INVESTMENT EQUITY	AGGRESSIVE EQUITY	REAL ASSETS FUND	GLOBAL EQUITY	ESG US STOCK FUND	GROWTH & VALUE EQUITY	S&P 500 INDEX FUND	TARGET DATE FUNDS*	TOTAL YIELD BOND	BOND INDEX FUND	VOYA FIXED PLUS III	LOAN FUND	SELF DIRECTED BROKER	GRAND TOTAL
LUTHER	-	-	-	-	-	-	-	9,285.30	-	-	-	-	-	9,285.30
MANGUM UTILITIES AUTH CMO	-	-	-	54,569.52	69,390.44	39,127.48	42,751.62	329.77	56,729.94	81,351.97	-	-	-	344,250.74
MANNFORD CMO CM	-	-	-	-	-	-	-	735,767.42	-	-	-	-	-	735,767.42
MANNFORD CMO DH	-	-	-	-	-	-	-	383,701.53	-	-	-	-	-	383,701.53
MANNFORD CMO SI	-	-	-	-	-	-	-	19,699.63	-	-	-	-	-	19,699.63
MANNSVILLE	-	-	-	-	-	-	-	74,495.26	-	-	1,264.85	7,352.38	-	83,112.49
MARLOW	16,078.32	109,160.89	499.18	50,118.47	655.29	58,999.10	132,648.09	1,433,714.82	22,924.12	90,631.37	106,293.09	75,063.41	-	2,096,786.15
MARLOW CMO	22,875.22	-	-	41,538.31	-	-	92,778.27	-	-	9,863.48	69,763.13	-	-	236,818.41
MAYSVILLE	1,491.40	492.94	-	-	-	1,721.50	102.73	90,121.30	-	660.22	262.89	-	-	94,852.98
MCALESTER	30,043.22	30,003.06	180.52	9,597.74	-	13,194.70	78,984.62	1,084,864.18	25,386.29	7,832.88	54,480.62	-	-	1,334,567.83
MCALESTER CMO	-	-	-	-	-	-	-	3,786.06	-	-	-	-	-	3,786.06
MCLOUD CMO	-	-	-		-	-	-	70,707.50	-		-	-	-	70,707.50
MCCURTAIN	-	-	-	-	-	-	-	1,061.79	-	-	-	-	-	1,061.79
MSCA	-	159.29	-	-	-	-	-	4,701.40	-	-	-	-	-	4,860.69
MEEKER CMO	-	-	-	-	-	-	-	18,489.00	-	-	19.15	-	-	18,508.15
MIDWEST CITY	783,751.01	1,817,802.42	32,256.27	1,419,273.95	195,968.14	2,053,078.20	4,154,091.86	28,035,824.20	1,419,294.55	1,513,493.47	10,475,201.87	859,573.09	-	52,759,609.03
MOORELAND CMO	-	-	-	-	-	-	-	27,832.00	-	-	-	4,710.09	-	32,542.09
MORRIS AND MORRIS PWA	-	-	-	-	-	-	-	65,194.83	-	-	42.33	-	-	65,237.16
MOUNDS	-	-	-	3,884.31	-	-	4,073.90	36,336.33	-	-	-	1,485.52	-	45,780.06
MUSKOGEE	800,151.29	1,148,544.95	73,672.15	754,124.18	157,782.13	1,697,435.27	1,531,422.86	11,520,719.76	283,789.87	1,437,429.09	3,234,751.59	799,042.76	17,418.18	23,456,284.08
MUSKOGEE CMO	2.105.19	3,790.61	-	-	-	133.595.93	136,678.33	196,212.36	-	-	-	-	-	472,382.42
MUSKOGEE REDEVELOPMENT A	-	-	-	-	-		-	27,748.27	-	-	1,244.67	2,200.00	-	31,192.94
MUSKOGEE TOURISM AUTHORI	-	-	-		-	-	-	647.38	-		2,029.02		-	2,676.40
MUSTANG	-	2,085.51	-	-	3,776.35	-	1,045.34	92,911.86	-	-	-	-	-	99,819.06
NEW PRUE	-	-	-		-	-	-	13,796.40	-		462.11	-	-	14,258.51
NEWKIRK	6,884.97	28,090.64		-	-	15,184.84	76,785.41	271,321.74	20,378.23	14,977.93	13,518.00	8,408.27	-	455,550.03
NEWKIRK CMO	3,663.63	7,853.08	7,821.91	-	_	7,734.89	11,819.57	26,366.28	16,370.55	15,985.85	-	-	_	97,615.76
NICOMA PARK	-	-	-			-	-	786,397.15	-	-		17,500.89	-	803,898.04
NOBLE CMO	-	42,160.62	-	_	_	_	-	-	_	_	209,581.37	-	_	251,741.99
OAKLAND					-	-	-	62,166.78			1,524.78	33,097.59	-	96,789.15
OK MUN ASSURANCE GROUP	55,599.66	95,496.05	-	108,088.28	68,383.86	169,004.21	273,949.32	4,511,540.74	138,372.23	469,072.16	3,882,446.72	54,506.55	34,613.21	9,861,072.99
OK MUN MANAGEMENT SERV	-	-		-	-		-	90,133.69	-		-		-	90,133.69
OK MUN UTILITY SERV AUTH	_	5,372.79		_			7,334.53	602,158.49		-	22,544.18	17,329.22		654,739.21
OKEENE CMO	1,432.42	1,494.06	-	-	-	1,715.81	1,172.90	5,370.48	677.48	632.39	705.21		-	13,200.75
OKEMAH CMO	1,432.42	1,494.00				1,715.81	1,172.90	20,260.40	077.48	032.39	705.21			20,260.40
OKMRF CMO PLAN	_	228,356.46	-	_	-	410,961.12	_	6,023.37	221,581.04	-			-	866,921.99
OKMULGEE	105,453.27	447,468.38		98,688.62	8,854.26	419,357.78	792,741.63	1,485,062.95	58,682.72	142,985.60	416,215.95			3,975,511.16
OKMULGEE CMO	11,426.01	15,808.79	-		8,854.20	419,337.78	74,623.27	59,875.20	10,532.91	4,892.19	5,491.20			182,649.57
OMAG CEO	-	13,000.75					74,023.27	15,633.83	10,552.51	4,052.15	5,451.20			15,633.83
OMMS	_	-	-	-	-	-	-	15,740.63	-	-	785.72	-	-	16,526.35
OMUSA CMO								266,943.23			785.72			266,943.23
OMUSA CMO AGM	-	-	-		-	-	-	8,889.18			-		-	8,889.18
OLUSTEE	-	-	-	-		-	-	57,203.33			-	-	-	57,203.33
OWASSO	- 269,503.26	- 295,414.66	- 82,586.80	- 201,633.34	20,436.27	- 589,899.00	- 586,910.72	4,881,225.05	49,653.86	- 356,874.28	- 375,790.68	- 255,567.33	-	7,965,495.25
PAULS VALLEY	55,937.89	141,023.92	82,580.80	12,105.11	20,450.27	32,558.93	373,570.16	938,972.65	49,055.80	128,826.74	95,139.35	83,915.82	-	1,866,604.45
PAULS VALLEY CMO		- 141,023.92	-	-	-	52,556.95	38,510.73		4,555.66	-		,	-	304,545.12
			-		-		,	6,833.09			255,630.49	3,570.81	-	,
PAWHUSKA	68,645.25	77,842.53	64,969.37	9,659.90	-	58,466.55	309,531.60	1,235,368.19	53,558.05	28,628.21	142,687.47	83,375.58	-	2,132,732.70
PERKINS CMO	19,126.22	-	-	47,375.91	-	12,640.45	47,998.50	-	-	12,181.16	-	-	-	139,322.24
PIEDMONT	33,067.84	44,452.53	4,854.69	13,961.63	15.03	57,377.36	80,985.30	247,970.00	37,488.44	22,737.60	47,851.54	-	-	590,761.96
PIEDMONT CMO	-	-	-	-	-	56,746.63	58,200.69	2,696.81	-	-	-	-	-	117,644.13
POCOLA	1,016.03	4,052.82	-	-	-	2,456.54	322.11	227,199.66	-	227.95	4,000.64	28,449.29	-	267,725.04
POCOLA P-T	-	-	-	-	-	-	-	5,858.39	-	-	-	-	-	5,858.39
PORUM	21,061.40	25,404.66	-	-	-	5,686.38	564,086.92	33,607.30	15,864.66	12,299.83	78,121.79	37,615.80	-	793,748.74
PRAGUE	8,172.34	12,137.61	206.16	22,251.34	-	21,618.40	27,915.58	464,012.91	17,085.39	11,764.14	140,848.58	124,157.30	-	850,169.75
PRAGUE CMO	-	-	-	-	-	-	-	119,693.12	-	-	-	-	-	119,693.12
PRAIRIE POINTE AT STROUD	-	-	-	-	-	-	-	19,447.71	-	-	-	-	-	19,447.71

PLAN NAME	INTERNATIONAL INVESTMENT EQUITY	AGGRESSIVE EQUITY	REAL ASSETS FUND	GLOBAL EQUITY	ESG US STOCK FUND	GROWTH & VALUE EQUITY	S&P 500 INDEX FUND	TARGET DATE FUNDS*	TOTAL YIELD BOND	BOND INDEX FUND	VOYA FIXED PLUS III	LOAN FUND	SELF DIRECTED BROKER	GRAND TOTAL
RINGWOOD	-	-	-	-	-	-	-	68,545.03	-	-	-	-	-	68,545.03
ROFF AND ROFF PWA	-	-	-	-	-	-	-	45,095.33	-	-	-	1,845.05	-	46,940.38
ROLAND	425.36	572.58	-	1,381.63	-	199.81	1,411.02	8,993.12	-	-	-	-	-	12,983.52
SALINA	-	-	-	-	-	-	-	15,407.49	-	-	477.17	-	-	15,884.66
SAND SPRINGS	307,839.03	838,013.61	37,818.62	270,093.36	14,950.17	646,171.30	1,375,291.79	7,848,798.85	301,832.20	470,775.53	2,056,515.40	294,381.02	-	14,462,480.88
SAND SPRINGS CMO	17,925.01	11,313.82	7,410.86	, _	7,302.07	18,308.78	-	-	7,139.95	-	259,137.99	-	-	328,538.48
SAPULPA	202,854.89	370,405.36	-	11,892.41	-	353,058.82	482,459.66	1,705,824.71	14,577.55	261,169.19	320,785.84	-	-	3,723,028.43
SAPULPA CMO	-	-	-	-	-			154,222.61	-	-		-	-	154,222.61
SAPULPA CMO-SI CA	-	-	-	-	-	-	-	26,812.27	-		-	-	-	26,812.27
SAVANNA	-	-		-	-	-		48,715.01			3,023.38	-		51,738.39
SAYRE	7,465.72	32.482.60	-	_	_	21.426.66	16.352.93	492,428.19	833.94	12.161.76	575,070.75	_	_	1,158,222.55
SAYRE CMO	7,405.72	52,402.00		_	-	21,420.00	10,002.00		-	12,101.70	385,690.49	-	-	385,690.49
SEILING	3,845.67	6,364.10		1,863.64		542.23	8,812.22	83,974.82		614.00	2,938.48			108,955.16
SEILING CMO	5,730.89	5,179.36	-	-	-	8,693.01	15,121.98	58,285.08	3,261.35	4,525.20	-		-	100,796.87
SEMINOLE	,		-	8.885.53	1,264.64		383,042.55		,	4,323.20	598,928.07	- 113,433.93	-	2,992,023.64
	28,462.64	192,110.78	-	8,885.53	,	4,451.23	383,042.55	1,647,152.48	32.29	,	,	,	-	
SEMINOLE CMO	-	-	-	-	-	-	-	177,142.26	25 707 40	665,111.76	23,440.52	20,642.09	-	886,336.63
SHAWNEE	109,502.99	522,647.08	-	2,608.85	-	351,521.44	287,286.67	1,915,384.48	25,707.49	141,835.75	178,342.23	147,659.83	-	3,682,496.81
SHAWNEE CMO DH	80,934.40	207,059.35	-	51,354.63	-	181,944.01	367,839.27	745,411.45	18,950.57	87,752.52	36,495.92	13,323.27	-	1,791,065.39
SHAWNEE CMO SI	6,062.87	8,344.65	-	-	-	16,287.55	16,649.89	76,505.07	-	-	-	-	-	123,850.03
SHAWNEE NEW HIRE	9,994.82	19,022.32	844.17	30,180.52	1,104.05	46,808.66	89,705.92	1,173,388.39	3,915.91	14,484.69	17,055.09	99,120.35	-	1,505,624.89
SKIATOOK	52,790.30	148,068.30	-	4,149.18	-	229,434.26	326,589.13	964,096.44	5,484.84	134,783.78	1,261,563.16	113,756.90	-	3,240,716.29
SKIATOOK CMO	-	-	-	-	-	-	-	180,549.81	-	-	-	-	-	180,549.81
SLAUGHTERVILLE	1,310.63	444.23	-	2,980.26	-	-	2,835.95	111,872.83	-	949.94	98,181.05	-	-	218,574.89
SNYDER	-	-	-	-	-	-	-	94,952.27	-	-	10,193.49	4,868.18	-	110,013.94
SPAVINAW	-	-	-	-	-	-	-	2,095.52	-	-	-	-	-	2,095.52
STILLWATER	1,366,719.00	3,292,757.82	136,414.73	2,201,014.40	83,942.79	4,666,292.98	6,055,420.79	22,587,114.73	561,413.89	3,180,190.70	5,239,503.92	921,736.81	166,902.81	50,459,425.37
STILLWATER CMO	-	-	-	70,466.86	-	-	45,304.96	173,518.13	-	100,348.07	79,861.78	-	-	469,499.80
STRINGTOWN	3,748.39	6,718.41	-	-	-	19,197.02	-	13,379.76	-	-	75,961.96	2,961.04	-	121,966.58
STROUD	11,021.32	49,435.15	12,270.32	13,686.13	551.25	36,942.71	81,878.70	548,452.96	17,730.20	5,366.84	78,421.47	48,877.86	-	904,634.91
STROUD CMO	-	-	-	-	-	-	· -	257,066.09	, _	-	-	-		257,066.09
SULPHUR CMO	-	-	-	-	-	-	-	124,041.04	-	-	-	-	-	124,041.04
TECUMSEH	20,434.64	15,728.08		-	-	290,531.03	50,990.00	1,004,937.10	62,833.66	90,291.80	238,380.20	101,878.70		1,876,005.21
TECUMSEH CMO	-		-	_	_	-	-	197,822.01	-	-	19,359.64		_	217,181.65
TERRAL	-		-		-		-	16,536.80	-	-	-	11,062.29	-	27,599.09
TEXHOMA AND PWA	14,268.11	465.81		68,678.55		1,158.93	56,722.80	435,372.21	336.42	49,738.95	52,083.22	26,271.69		705,096.69
THACKERVILLE	-	405.81	-	-	-	-	2,145.00	45,018.17		734.93	64.57		-	47,962.67
TISHOMINGO	387.70	16,998.89					42,374.74	1,016.23		-	131.66			60,909.22
TISHOMINGO TISHOMINGO CMO		,	-	- 34,568.06	-	-	,	,	-	- 24,402.05	20,415.63	-	-	,
	-	-	-	34,568.06	-	-	28,346.26	41,544.44	-	24,402.05	20,415.63	-	-	149,276.44
TONKAWA CMO	-	-	-	-	-	-	-	75,507.84	-	-	-	-	-	75,507.84
TYRONE AND TPWA	-	-	-	-	-	-	-	-	-	-	88.33	-	-	88.33
UNION CITY	-	-	-	-	-	-	-	87,758.46	-	-	1,348.75	-	-	89,107.21
VALLEY BROOK	19,202.04	135,623.94	-	-	-	132,006.62	135,018.33	131,641.50	-	-	851.31	62,566.49	-	616,910.23
VALLEY BROOK NEW HIRE	-	-	-	-	-	-	-	61,160.40	-	-	6,738.69	-	-	67,899.09
VERDIGRIS	28,688.58	32,543.32	-	-	-	28,592.17	16,519.21	120,519.82	-	2,073.23	-	1,439.81	-	230,376.14
VERDEN	-	-	-	-	-	-	-	1,446.62	-	-	-	-	-	1,446.62
WALTERS	651.99	-	-	-	-	117,399.65	154,008.00	441,592.62	-	61,864.61	33,610.16	35,203.74	-	844,330.77
WALTERS CMO	-	-	-	-	-	-	-	26,280.16	-	-	-	-	-	26,280.16
WARNER	4,491.31	-	-	-	-	-	-	126,971.86	-	-	52,957.39	40,527.06	-	224,947.62
WARR ACRES	48,796.50	69,053.15	15,730.62	18,707.16	921.91	35,396.62	283,203.97	527,194.99	41,118.52	94,034.50	242,942.37	76,856.67	-	1,453,956.98
WAURIKA CMO	-	-	-	-	-	-	-	692.41	-	-	-	-	-	692.41
WAYNOKA	4,666.15	7,935.63	-	-	-	18,065.13	9,121.24	504,209.38	-	-	116.53	3,060.51	-	547,174.57
WAYNOKA CMO	-	-	-	-	-		-	25,006.93	-	-		-	-	25,006.93
WAYNOKA MENTAL HEALTH AU	-	-	-	-	-	-	-	15,776.75	-	-	-	-	-	15,776.75
WEATHERFORD	111,101.21	35,845.85	51,470.09	229,608.02	22,886.06	49,153.19	264,742.30	3,008,129.37	86,034.83	67,610.92	1,254,668.07	_	-	5,181,249.91
WELEETKA	111,101.21	1,513.77	51,470.09	223,000.02	22,000.00	49,133.19	145.35	2,514.97	00,034.03	5.68	1,234,668.07	-	-	15,754.40
WELEETKA WEST SILOAM SPRINGS	12.38	1,513.77	-	-	-	514.55	- 145.35	2,514.97 234,990.85	-	5.08	6,425.12	- 53,731.68	-	295,147.65
	-	-	-	-	-	-	-	234,330.03	-	-	0,423.12	55,/51.08	-	253,147.05

	INTERNATIONAL													
	INVESTMENT	AGGRESSIVE	REAL ASSETS	GLOBAL	ESG US STOCK	GROWTH &	S&P 500 INDEX	TARGET DATE	TOTAL YIELD	BOND INDEX	VOYA FIXED		SELF DIRECTED	
PLAN NAME	EQUITY	EQUITY	FUND	EQUITY	FUND	VALUE EQUITY	FUND	FUNDS*	BOND	FUND	PLUS III	LOAN FUND	BROKER	GRAND TOTAL
WESTVILLE	-	265.69	-	-	-	313.57	-	-	-	87.55	1,803.09	-	-	2,469.90
WOODWARD	21,543.34	86,727.96	-	-	594.40	41,664.14	138,387.21	2,082,993.03	9,774.01	1,601.61	14,864.76	-	-	2,398,150.46
WOODWARD CMO	-	-	-	-	-	-	-	92,097.13	-	-	-	-	-	92,097.13
YALE CMO	-	-	-	-	-	-	-	18.02	-	-	-	-	-	18.02
YUKON CMO	-	-	-	-	-	-	-	28,960.73	-	-	-	-	-	28,960.73
YUKON DC NEW HIRE	27,969.96	47,775.16	10,205.93	74,774.49	-	104,622.66	278,094.19	2,328,947.14	17,678.76	40,546.49	213,653.49	-	0.05	3,144,268.32
Grand Total	7,046,708.05	16,385,220.25	910,490.42	9,668,716.17	1,287,950.78	20,801,498.37	32,457,482.57	182,800,445.48	5,174,053.50	13,606,237.92	54,590,829.06	7,426,454.35	254,374.77	352,410,461.69

*TARGET DATE FUNDS

TARGET DATE 2065	158,502.66
TARGET DATE 2060	6,172,840.52
TARGET DATE 2055	6,741,719.49
TARGET DATE 2050	10,880,667.03
TARGET DATE 2045	13,902,421.33
TARGET DATE 2040	17,785,617.87
TARGET DATE 2035	23,632,976.77
TARGET DATE 2030	26,569,655.09
TARGET DATE 2025	35,415,467.92
TARGET DATE 2020	22,930,480.92
TARGET DATE RETIREMENT	18,610,095.88
	182,800,445.48

OKLAHOMA MUNICIPAL RETIREMENT FUND Monthly Budget Activity Nov-22

	CURRENT I	MONTH	ACTUAL YEA	R-TO-DATE	Y-T-D BUDGETED	PROJECTED
	TRANSFERRED	PAID	TRANSFERRED	PAID	AMOUNT	F-Y BUDGET
Actuary & Recordkeeping	41,727.06	41,727.06	209,532.44	209,532.44	257,106.25	617,055.00
Administration	107,374.06	107,374.06	579,416.66	579,416.66	567,083.33	1,361,000.00
Attorney	3,750.00	3,750.00	20,776.50	20,776.50	30,208.33	72,500.00
Audit	5,291.67	0.00	26,458.34	5,000.00	26,458.33	63,500.00
Board Travel	1,450.01	1,450.01	14,906.07	14,906.07	23,583.33	56,600.00
Employer Directed Expense	0.00	0.00	3,987.00	3,987.00	10,416.67	25,000.00
Insurance	15,766.17	0.00	77,943.81	39,307.20	75,125.00	180,300.00
Investment Advisors	30,478.61	0.00	218,488.03	277,829.46	301,090.00	722,616.00
Custodial	11,730.26	11,730.26	51,240.33	51,240.33	65,625.00	157,500.00
Investment Consultant	12,811.50	0.00	64,057.50	38,434.50	64,057.50	153,738.00
Public Relations	0.00	0.00	14,013.95	14,013.95	12,125.00	29,100.00
Representative Travel	3,328.63	3,328.63	14,676.92	14,676.92	20,458.33	49,100.00
EXPENSES BEFORE CREDITS	233,707.97	169,360.02	1,295,497.55	1,269,121.03	1,453,337.06	3,488,009.00
Less: Credits	(11,622.23)	(11,622.23)	(70,473.93)	(70,473.93)	(67,083.33)	(161,000.00)
TOTAL EXPENSES	222,085.74	157,737.79	1,225,023.62	1,198,647.10	1,386,253.73	3,327,009.00

OKLAHOMA MUNICIPAL RETIREMENT FUND Income Transfers for Monthly & Prepaid Expenses Paid in November 2022 based on October 31, 2022 Asset Values

ASSET ACCOUNT	ADMIN EXPENSES	CUSTODIAL CHARGES	INVESTMENT CHARGES	TOTAL	TOTAL EXPENSES
DB - SMID EQUITY	\$5,463.55	\$334.18	\$0.00	334.18	\$5,797.73
447 1596 DB ST STR S&P 500 FLAGSHIP FUND	\$27,493.30	\$1,848.27	\$0.00	1,848.27	\$29,341.57
447 1541 DB RIVER ROAD ASSETS	\$5,747.67	\$1,227.24	\$24,540.11	25,767.35	\$31,515.02
447 1539 DB TIMESSQUARE SMID - G	\$0.52	\$1,563.50	\$0.00	1,563.50	\$1,564.02
447 1540 DB LONG/SHORT EQUITY FUND	\$9,557.83	\$1,584.60	\$5,938.50	7,523.10	\$17,080.93
447 1543 DB INTERNATIONAL EQUITY	\$24,278.21	\$1,921.62	\$0.00	1,921.62	\$26,199.83
447 1542 DB FIXED INCOME	\$23,016.48	\$1,781.12	\$0.00	1,781.12	\$24,797.60
447 1555 DB REAL ESTATE	\$15,012.43	\$1,251.55	\$0.00	1,251.55	\$16,263.98
447 1557 DB MISCELLANEOUS	\$658.40	\$165.26	\$0.00	165.26	\$823.66
447 1558 DC VOYA	\$68,648.48	\$52.92	\$0.00	52.92	\$68,701.40
		¢11 700 00			¢202.005.74
TOTAL TRANSFERS	\$179,876.87	\$11,730.26	\$30,478.61	\$42,208.87	\$222,085.74

OKLAHOMA MUNICIPAL RETIREMENT FUND

Administrative/Expense Accounts Reconciliations

as of October 31, 2022

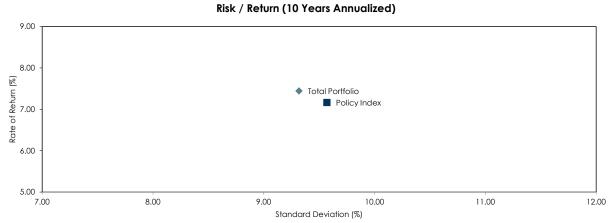
CHECKING ACCOUNT

Balance as of September 30, 2022	\$5.00
Deposits:	
DB Fees Transferred From Adminstrative Account	\$165,407.49
DC Fees Transferred From Administrative Account	\$57,414.40
Payment of Fees and Expenses:	
Transfer (In)/Out of Prepaid Expenses	\$117,239.64
Administrative, Custodial and Investment fees paid in current month	(\$340,061.53)
	\$5.00
Balance as of October 31, 2022	\$3:00
ADMINISTRATIVE RESERVE ACCOUNT	
Administrative Activity	
Beginning Balance	\$108,512.30
Professional fees paid directly to Trust	\$0.00
Transfer from DB Deposit Account:	<i>Q</i>
Professional Fees Reimbursement	\$0.00
Interest	\$1,622.23
Transfer from Invesment Accounts	÷.,•==.=•
Administrative Expenses	\$114,171.47
Investment Expenses	\$43,087.25
Accrued Interest Earned in Admin. Account	\$1,991.91
Refund of OPFTEC registration - Dunham	\$250.00
Intech & TimesSquare Class action	\$5,982.83
Reimbursement of IRS Filing fees	\$4,000.00
Transfers to Checking Account for Expenses	(\$165,407.49)
Ending Balance	\$114,210.50
Prepaid Expenses Beginning Balance	\$188,758.46
Transfer In/(Out) of Prepaid Expenses	(\$117,239.64)
Ending Balance	\$71,518.82
Reserve Account	¢676 544 24
Beginning Balance Sigma Asset from JPMorgan Sec Lending (cost \$193,054.54)	\$676,544.34 \$0.00
Commission Recapture	\$11,813.23
JPMorgan DC Uncashed checks	\$0.00
DC Administrative Expense/Errors	
DC Fees Collected (VOYA)	\$82,460.96
DC Recordkeeping Expenses (VOYA)	(\$24,997.02)
DC Fees Transferred to Checking Account for Expenses DC Misc	(\$57,414.40)
DC Misc DC Class Action Proceeds from JPM	\$0.00 \$2,579.66
Ending Balance	\$690,986.77
Balance as of October 31, 2022	\$876,716.09
	φοτο,ττο.03
RESERVE FUNDING ANALYSIS:	
Reserve Funding Available \$690,986.77	
Sigma Asset from JPMorgan Sec Lending (\$165.53) Insurance Deductible Funding (\$150,000.00)	
Insurance Deductible Funding(\$150,000.00)DC Administrative Expense/Errors(\$223,101.61)	
JPMorgan DC Uncashed checks (\$7,107.40)	
Net Surplus as of October 31, 2022 \$310,612.23	

Register Report - Current Month 11/1/2022 through 11/30/2022

022 Date	Description	Memo	Amount
BALANCE 10	/31/2022		5.00
11/18/2022	DEAN ACTUARIES, LLC	DB Annual Studies	-13,348.00
		Server	-915.00
		Retainer	-1,159.00
		DB Misc	-428.00
11/18/2022	DAVID DAVIS	Retainer	-2,000.00
11/18/2022	McAFEE & TAFT	Retainer	-1,750.00
11/18/2022	OK Police Pension & Retirement Syste	e Dec 2022 Rent 7560.98 Parking 300	-7,860.98
	Tammy Johnson	Bd Mtg Travel Exp	-61.25
11/18/2022	Robert Johnston	Bd Mtg Travel Exp	-117.50
		Bd Addtl Trvl	-216.71
11/18/2022	Robert Park	Bd Mtg TrvI Exp	-210.00
11/18/2022	Hollis Tinker	Bd Mtg TrvI Exp	-145.60
11/18/2022	DONNA DOOLEN	Bd Mrg Trvl Exp	-118.75
11/18/2022	Shaun Barnett	Bd Mtg TrvI Exp	-183.75
11/18/2022	Timothy Rooney	Bd Mtg TrvI Exp	-32.50
11/18/2022	JIM LUCKETT Jr	Bd Mtg TrvI Exp	-42.50
11/18/2022	JODI COX	Rep Trvl - Mileage	-17.50
		Phone/Internet	-42.49
11/18/2022	CHRIS WHATLEY	Rep Trvl - Mileage	-325.63
		Rep Trvl - Conf	-145.00
11/18/2022	Katie Girardi	Rep Trvl - Mileage	-144.38
		Rep Trvl - Conf	-325.00
11/18/2022	Gloria Cudjoe	Rep Trvl - Mileage	-60.00
		Bd Mtg Exp	-74.86
11/18/2022	OMRF Payroll Acct	Prefund future payrolls	-92,300.00
11/18/2022	CHASE CARD SERVICES	Supplies	-324.32
		Bd Mtg	-54.86
		Rep Trvl - Conf	-369.26
		Phone/Internet	-1,150.24
		Rep Exp/Dues	-1,361.86
		Tr/Addtl Trvl	-191.73
		Postage	-454.99
		Office Sp/Equip	-685.00
11/18/2022	Cox Communications Inc	Services as of 11-15-22	-2,530.12
11/18/2022	JPMORGAN CHASE BANK, NA	Acct Analysis - Oct 2022	-107.83
11/18/2022	The Northern Trust Company	Custodial Serv Sep 2022 Inv# 97316951352	-11,622.43
11/18/2022	NCPERS	Annual membership renewal Inv #13513	-580.00
11/18/2022	STANDLEY SYSTEMS	Copier #2 usage 8/1/22-10-31/22 Inv #1430	-285.92
11/18/2022	3Nines Technologies, Inc	Serv Agmt 12-2022 Inv #C165647	-1,740.00
11/18/2022	Deposit	Net Deposit	143,482.96

BALANCE 11/30/2022



	Total	Policy
	Portfolio	Index
Return (%)	7.44	7.17
Standard Deviation (%)	9.32	9.57
Sharpe Ratio	0.73	0.68
Benchmark Re	elative Statistics	
Beta		0.96
Up Capture (%)		97.43
Down Capture (%)		94.20

Asset Class	Market Value (\$000s)	Actual Allocation (%)	Target Allocation (%)	Over/ Under (%)
Total Portfolio	636,165	100.00	100.00	
Equity	409,376	64.35	65.00	-0.65
US Equity	219,305	34.47	35.00	-0.53
US Large Cap Equity	155,779	24.49	25.00	-0.51
US Small/Mid Cap Equity	63,526	9.99	10.00	-0.01
Non US Equity	137,574	21.63	25.00	-3.37
Int'l Developed Markets Equity	117,192	18.42	20.00	-1.58
Emerging Markets Equity	20,382	3.20	5.00	-1.80
Global Long/Short Equity	52,497	8.25	0.00	8.25
Private Equity	0	0.00	5.00	-5.00
Fixed Income	130,416	20.50	20.00	0.50
Real Assets	84,924	13.35	15.00	-1.65
Cash and Equivalents	11,448	1.80	0.00	1.80

		Market Value (\$000s)	Actual Allocation (%)	1 Month (%)	FYTD (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
OMRF Total Portfolio		988,474									
Total Portfolio (04/91) Net of All Fees *		636,165	100.00	3.70 3.64	-0.53 -0.77	-15.99 -16.46	-14.87 -15.43	4.73 4.07	5.35 4.68	6.63 5.95	7.44 6.75
	Policy Index ¹			3.98	-1.76	-16.92	-15.49	3.91	4.78	6.12	7.17
Equity (10/10) Net of All Fees *		409,376	64.35	6.26 6.23	0.65 0.52	-20.21 -20.48	-19.11 -19.44	6.20 5.77	6.56 6.10	8.28 7.79	9.33 8.85
	MSCI ACWI			6.06	-1.05	-20.81	-19.58	5.34	5.76	7.71	8.54
US Equity (06/00) Net of All Fees *	Russell 3000	219,305	34.47	8.20 8.18 8.20	4.04 3.95 3.37	- 16.63 - 16.81 -18.44	- 13.99 - 14.21 -16.52	10.02 9.73 9.79	10.09 9.78 9.87	11.05 10.72 10.94	12.25 11.91 12.46
US Large Cap Equity SSgA S&P 500 Non-Lending ((Net of Manager Fees *	02/10) S&P 500	155,779	24.49	8.10 8.10 8.10	2.82 2.82 2.82	- 17.70 - 17.71 -17.70	-14.61 -14.62 -14.61	10.20 10.18 10.22	10.45 10.42 10.44	11.37 11.35 11.35	12.82 12.79 12.79
US Small/Mid Cap Equity River Road (V) (04/16) Net of Manager Fees *		32,589	5.12	12.39 12.35	9.54 9.27	-2.69 -3.39	1.58 0.70	9.59 8.61	9.58 8.60		
William Blair (G) (11/22) Net of Manager Fees *	Russell 2000 Value Russell 2500 Growth	30,937	4.86	12.59 8.13	7.40 7.99	-11.19 -23.81	-10.73 -27.38	8.08 6.62	5.31 7.41	8.41 9.26	9.37 11.38

	Market Value (\$000s)	Actual Allocation (%)	1 Month (%)	FYTD (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
Non US Equity (06/00)	137,574	21.63	4.50	-4.93	-26.69	-26.74	1.79	2.41	5.68	6.17
Net of All Fees *			4.44	-5.16	-27.14	-27.28	1.02	1.62	4.85	5.38
MSCI ACWI ex US			3.00	-7.09	-23.96	-24.35	-1.23	-0.13	3.16	3.75
Artisan International Value (05/10)	43,011	6.76	6.69	-3.58	-15.80	-14.46	5.36	3.45	6.11	8.30
Net of Manager Fees *			6.60	-3.91	-16.51	-15.32	4.29	2.40	5.04	7.20
MSCI EAFE			5.39	-4.41	-22.81	-22.62	-0.82	0.39	3.00	4.61
Ninety One International Dynamic Fund (03/15)	38,025	5.98	3.69	-5.88	-26.74	-26.94	-0.05	0.67	3.61	
Net of Manager Fees *			3.68	-5.95	-26.91	-27.16	-0.38	0.33	3.22	
MSCI ACWI ex US			3.00	-7.09	-23.96	-24.35	-1.23	-0.13	3.16	3.75
WCM Focused Int'l Growth (03/15)	36,155	5.68	5.62	-1.89	-32.56	-32.28	4.84	6.97	8.98	
Net of Manager Fees *			5.56	-2.11	-32.99	-32.79	4.12	6.23	8.23	
MSCI ACWI ex US			3.00	-7.09	-23.96	-24.35	-1.23	-0.13	3.16	3.75
Harding Loevner EM (03/15)	20,382	3.20	-0.23	-10.80	-34.39	-36.44	-7.19	-4.26	1.89	
Net of Manager Fees *			-0.31	-11.10	-34.93	-37.07	-8.19	-5.31	0.75	
MSCI Emerging Markets			-3.09	-14.15	-29.15	-30.73	-4.07	-2.73	2.78	1.16
Global Long/Short Equity (09/11)	52,497	8.25	3.11	1.99	-17.51	-19.30	2.91	3.22	4.11	4.92
Net of All Fees *			3.10	1.94	-17.59	-19.39	2.80	3.02	3.82	4.57
MSCI ACWI			6.06	-1.05	-20.81	-19.58	5.34	5.76	7.71	8.54
HFRI FOF: Strategic			1.32	-0.21	-12.66	-14.24	3.22	2.14	2.87	3.47
Fixed Income (06/03)	130,416	20.50	-0.93	-4.05	-11.98	-11.99	-1.11	1.07	1.96	2.10
Net of All Fees *			-0.96	-4.16	-12.22	-12.28	-1.41	0.77	1.68	1.85
Bloomberg US Aggregate			-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.35	0.74
JP Morgan Fixed Income (06/91)	40,360	6.34	-1.44	-5.52	-14.48	-14.49	-2.77	0.26	1.08	1.40
Net of Manager Fees *	40,500	0.54	-1.45	-5.57	-14.59	-14.62	-2.92	0.20	0.93	1.40
Bloomberg US Aggregate			-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.35	0.74
Amundi Pioneer Core Plus Bond Fund (11/11)	42,245	6.64	-1.36	-5.17	-14.96	-15.00	- 1.43	0. 34	2.04	2.29
Net of Manager Fees *	72,273	0.04	-1.38	-5.25	-15.13	-15.22	-1.68	0.48	1.79	2.04
Bloomberg Universal			-1.10	-5.50	-15.83	-15.79	-3.57	-0.42	0.65	1.02
BlackRock Strategic Income Opps (07/17)	47,812	7.52	-0.10	- <u>1.74</u>	-6.78	-6.78	-0.07 1.14	2.22	0.05 	
Net of Manager Fees *	47, 512		-0.15	-1.92	-7.23	-7.31	0.57	1.64		
Bloomberg US Aggregate			-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.35	0.74
US T-Bills 30 Day + 4.0%			0.56	2.03	4.18	4.87	4.55	-0.34 5.14	4.94	4.66

For the Periods Ending October 31, 2022

	Market Value (\$000s)	Actual Allocation (%)	1 Month (%)	FYTD (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
Real Assets										
Real Estate (09/11)	84,924	13.35	-0.23	-1.14	9.74	17.46	11.71	9.92	9.78	11.47
Net of All Fees *			-0.31	-1.60	8.57	15.96	10.33	8.56	8.43	10.12
NCREIF Property			0.00	0.57	9.35	16.08	9.92	8.62	8.46	9.48
JP Morgan Special Situation Property (02/07)	24,940	3.92	-0.11	-3.52	6.59	14.41	11.63	10.63	10.72	12.89
Net of Manager Fees *			-0.27	-4.05	5.16	12.60	9.87	8.89	8.99	11.16
NFI ODCE Net			0.00	0.35	12.40	21.01	11.39	9.27	8.88	9.92
JP Morgan Strategic Property (05/07)	34,422	5.41	-0.47	-1.74	9.59	17.06	10.97	8.98	8.82	10.32
Net of Manager Fees *			-0.56	-2.06	8.69	15.90	9.87	7.90	7.73	9.23
NFI ODCE Net			0.00	0.35	12.40	21.01	11.39	9.27	8.88	9.92
Clarion Lion Industrial Trust (07/22)	25,563	4.02	0.00	5.25						
Net of Manager Fees *			0.00	4.50						
NFI ODCE Net			0.00	0.35	12.40	21.01	11.39	9.27	8.88	9.92
Cash and Equivalents										
Northern Trust Miscellaneous Assets (07/03)	7,765	1.22	0.19	0.59	0.71	0.71	0.44	0.98	0.81	0.57
Residual Manager Cash ²	3,683	0.58								

* The net of all fees includes administrative costs, custodial fees, transaction costs, and investment manager fees associated with the fund. The net of all fee calculation began January 1, 2011.

The net of manager fees includes the investment manager fees and transaction costs associated with each portfolio. The net of manager fee calculation began January 1, 2011.

1 Policy Index: Effective October 2021, the index consists of 70.00% MSCI ACWI, 20.00% Bloomberg US Aggregate, 10.00% NCREIF Property.

From January 2021 through September 2021, the Policy Index is comprised of 70% MSCI ACWI, 25% Bloomberg Aggregate, and 5% NCREIF Property. From March 2016 through December 2020, the Policy Index is comprised of 65% MSCI ACWI, 30% Bloomberg Aggregate, and 5% NCREIF Property.

2 Residual Manager Cash includes cash held in the Large Cap Equity, Small/Mid Cap Equity, Non US Equity, Global Long/Short, Fixed Income and Real Assets holding accounts.

Fiscal year end is June.

All index returns are gross of dividends.

Market Overview

For the Periods Ending October 31, 2022

	1			1	3	5	7	10
	Month	FYTD	YTD	Year	Years	Years	Years	Years
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
US Equity Markets Value								
Russell 1000 Value	10.25	4.06	-9.32	-7.00	7.31	7.21	8.54	10.30
S&P 500 Value	11.50	5.01	-6.97	-3.66	8.05	8.26	9.55	10.91
Russell 2000 Value	12.59	7.40	-11.19	-10.73	8.08	5.31	8.41	9.37
US Equity Markets Core								
S&P 500	8.10	2.82	-17.70	-14.61	10.22	10.44	11.35	12.79
Russell 1000	8.02	3.04	-18.54	-16.38	9.99	10.19	11.14	12.66
Russell 2000	11.01	8.58	-16.86	-18.54	7.05	5.56	8.28	9.93
Russell 2500	9.59	6.51	-16.72	-17.58	7.94	7.07	8.97	10.70
US Equity Markets Growth								
Russell 1000 Growth	5.84	2.04	-26.61	-24.60	11.75	12.59	13.32	14.69
S&P 500 Growth	4.49	0.46	-27.29	-24.43	10.90	11.68	12.33	14.02
Russell 2000 Growth	9.49	9.76	-22.57	-26.02	5.11	5.17	7.67	10.15
NASDAQ Comp	3.90	-0.37	-29.77	-29.10	9.84	10.31	11.73	13.95
Non US Equity Markets								
MSCI EAFE	5.39	-4.41	-22.81	-22.62	-0.82	0.39	3.00	4.61
MSCI ACWI ex US	3.00	-7.09	-23.96	-24.35	-1.23	-0.13	3.16	3.75
MSCI World	7.21	0.69	-19.74	-18.09	6.62	6.92	8.38	9.52
S&P EPAC LargeMidCap	5.29	-4.63	-23.86	-23.83	-0.85	0.19	3.01	4.53
Fixed Income								
Bloomberg Intermediate G/C	-0.44	-3.49	-10.02	-10.03	-1.91	0.30	0.75	0.94
Bloomberg Gov't/Credit	-1.24	-5.74	-16.15	-16.04	-3.64	-0.32	0.60	0.86
Bloomberg US Aggregate	-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.35	0.74
Citigroup Broad Investment Grd	-1.26	-6.01	-15.93	-15.94	-3.80	-0.54	0.36	0.74
JPM Gov't ex US UnH	0.15	-10.03	-26.90	-27.80	-10.21	-5.01	-2.53	-3.07
FTSE High-Yield Market	3.09	2.39	-11.79	-10.99	0.46	2.01	4.02	3.91
FTSE World Govt Bond	-0.52	-8.09	-21.68	-22.23	-7.36	-3.07	-1.35	-1.75
US T-Bills 90 Day	0.16	0.62	0.76	0.78	0.58	1.16	0.98	0.70
FTSE 1 Yr T-Bill	0.04	-0.37	-1.67	-1.80	0.12	0.98	0.87	0.70

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	Market Value (\$000s)	Actual Allocation (%)	1 Month (%)	FYTD (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
Total Investment Options (ex. other assets)	161,964	45.97								
Growth and Value Option (06/00) Net of All Fees * S&P 500	20,804	5.90	7.83 7.81 8.10	3.22 3.14 2.82	-20.82 -20.96 -17.70	-19.31 -19.49 -14.61	9.85 9.60 10.22	10.06 9.81 10.44	11.06 10.78 11.35	12.63 12.25 12.79
Vanguard Windsor II (V) (06/03) Net of Manager Fees * Russell 1000 Value	5,305	1.51	9.90 9.87 10.25	3.92 3.83 4.06	-13.77 -13.95 -9.32	- 11.63 - 11.86 -7.00	11.02 10.73 7.31	9.79 9.50 7.21	10.23 9.94 8.54	11.35 11.04 10.30
Vanguard Total Stock (C) (02/08) Net of Manager Fees * S&P 500	10,436	2.96	8.18 8.18 8.10	3.37 3.36 2.82	-18.73 -18.75 -17.70	-16.87 -16.89 -14.61	9.75 9.72 10.22	9.85 9.82 10.44	10.95 10.91 11.35	12.49 12.44 12.79
T. Rowe Price (G) (07/21) Net of Manager Fees * Russell 1000 Growth	5,062	1.44	5.05 5.01 5.84	2.16 1.97 2.04	-31.50 -31.81 -26.61	-31.10 -31.49 -24.60	11.75	 12.59	 13.32	
S&P 500 Option										
SSgA S&P 500 Option Non-Lending (02/10) Net of Manager Fees * S&P 500	32,446	9.21	8.10 8.09 8.10	2.82 2.81 2.82	- 17.71 - 17.72 - <i>17.70</i>	- 14.62 - 14.64 -14.61	10.20 10.17 10.22	10.40 10.37 10.44	11.32 11.30 11.35	12.85 12.74 12.79
Aggressive Equity Option (06/00) Net of All Fees * Russell 2000 Russell 2500	16,387	4.65	9.70 9.66 11.01 9.59	8.51 8.33 8.58 6.51	-18.96 -19.31 -16.86 -16.72	- 20.67 - 21.09 -18.54 -17.58	8.86 8.29 7.05 7.94	7.30 6.73 5.56 7.07	9.31 8.72 8.28 8.97	10.51 9.77 9.93 10.70
Integrity Small Cap Value (V) (09/15) Net of Manager Fees * Russell 2000 Value	4,224	1.20	13.23 13.14 12.59	9.49 9.14 7.40	- 7.13 - 7.86 -11.19	- 4.52 - 5.43 -10.73	11.24 10.19 8.08	6.44 5.43 5.31	8.97 7.89 8.41	 9.37
SSgA Russell Small Cap Completeness Fund (05/10) Net of Manager Fees *	8,110	2.30	8.53 8.52	5.94 5.91	-22.83 -22.88	-26.04 -26.09	7.24 7.15	6.73 6.65	8.78 8.71	10.72 10.64
Russell Small Cap Completeness William Blair (G) (11/22) Net of Manager Fees * Russell 2000 Growth	4,053	1.15	8.48 9.49	5.91 9.76	-22.91 -22.57	-26.15 -26.02	7.25 5.11	6.74 5.17	8.81 7.67	10.73 10.15

	Market Value (\$000s)	Actual Allocation (%)	1 Month (%)	FYTD (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
International Investment Equity Option (06/00)	7,047	2.00	3.11	-6.83	-25.66	-25.94	-0.58	0.18	3.95	5.66
Net of All Fees * MSCI ACWI ex U	S		3.04 3.00	-7.07 -7.09	-26.12 -23.96	-26.49 -24.35	-1.34 -1.23	-0.61 -0.13	3.14 3.16	4.73 3.75
Artisan International Value (05/10)	1.820	0.52	6.69	-3.58	-15.80	-14.48	5.35	3.42	6.12	8.29
Net of Manager Fees *	1,020	0.52	6.60	-3.91	-16.52	-15.34	4.29	2.38	5.03	7.18
MSCI EAF	E		5.39	-4.41	-22.81	-22.62	-0.82	0.39	3.00	4.61
SSgA Global Equity ex US (11/14)	1,768	0.50	3.44	-7.28	-24.08	-24.47	-1.42	-0.35	2.96	
Net of Manager Fees *			3.44	-7.30	-24.14	-24.54	-1.52	-0.48	2.82	
MSCI ACWI ex U			3.00	-7.09	-23.96	-24.35	-1.23	-0.13	3.16	3.75
Harding Loevner International Equity (07/16)	1,758	0.50	2.53	-5.75	-28.11	-27.72	0.64	1.55		
Net of Manager Fees *			2.46	-6.01	-28.60	-28.31	-0.18	0.72		
MSCI ACWI ex U	S		3.00	-7.09	-23.96	-24.35	-1.23	-0.13	3.16	3.75
Harding Loevner Emerging Markets (09/15)	1,701	0.48	-0.22	-10.72	-34.11	-36.18	-7.13	-4.20	1.95	
Net of Manager Fees *			-0.31	-11.05	-34.71	-36.88	-8.18	-5.33	0.73	
MSCI Emerging Marke	's		-3.09	-14.15	-29.15	-30.73	-4.07	-2.73	2.78	1.16
Global Equity Option										
SSgA Global Equity NL (11/15)	9,699	2.75	6.26	-1.14	-20.87	-19.65	5.31	5.71	7.65	
Net of Manager Fees *			6.25	-1.17	-20.94	-19.73	5.19	5.57	7.49	
- MSCI ACV	/1		6.06	-1.05	-20.81	-19.58	5.34	5.76	7.71	8.54
ESG U.S. Stock Fund Option										
Calvert Equity Fund (04/20)	1, 284	0.36	6.79	2.63	-19.27	-15.50				
Net of Manager Fees *			6.73	2.40	-19.72	-16.06				
Russell 100	0		8.02	3.04	-18.54	-16.38	9.99	10.19	11.14	12.66

For the Periods Ending October 31, 2022

	Market Value (\$000s)	Actual Allocation (%)	1 Month (%)	FYTD (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
Total Yield Option (02/12)	5,175	1.47	-1.08	-4.53	-12.67	-12.41	-1.21	1.04	1.98	2.15
Net of All Fees *			-1.11	-4.65	-12.95	-12.74	-1.59	0.66	1.60	1.74
Bloomberg US Aggregate			-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.35	0.74
JP Morgan Core Bond Fund (02/12)	2,577	0.73	-1.43	-5.59	-14.38	-14.37	-2.62	0.37	1.16	1.46
Net of Manager Fees *			-1.46	-5.68	-14.59	-14.63	-2.91	0.07	0.86	1.20
Bloomberg US Aggregate			-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.35	0.74
Amundi Pioneer Core Plus Bond Fund (02/12)	1,288	0.37	-1.36	-5.16	-14.99	-13.96	-1.01	1.02	2.27	2.46
Net of Manager Fees *			-1.39	-5.27	-15.23	-14.26	-1.35	0.67	1.92	2.14
Bloomberg Universal			-1.10	-5.50	-15.83	-15.79	-3.57	-0.42	0.65	1.02
BlackRock Strategic Income Opps (07/17)	1,311	0.37	-0.10	-1.73	-6.77	-6.77	1.15	2.23		
Net of Manager Fees *			-0.15	-1.92	-7.22	-7.30	0.57	1.65		
Bloomberg US Aggregate			-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.35	0.74
US T-Bills 30 Day + 4.0%			0.56	2.03	4.18	4.87	4.55	5.14	4.94	4.66
Bond Index Option (11/11)	13,621	3.87	-1.31	-5.97	-15.66	-15.65	-3.70	-0.47	0.40	0.78
Net of All Fees *			-1.31	-5.99	-15.70	-15.70	-3.76	-0.53	0.34	0.64
Bloomberg US Aggregate			-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.35	0.74
SSgA US Aggregate Bond Fund (11/11)	13,621	3.87	-1.31	-5.97	-15.66	-15.65	-3.70	-0.47	0.40	0.79
Net of Manager Fees *			-1.31	-5.99	-15.70	-15.70	-3.76	-0.53	0.34	0.73
Real Assets Option (01/17)	911	0.26	2.70	-3.96	-10.17	-7.79	4.75	4.97		
Net of Fees *			2.66	-4.10	-10.48	-8.17	4.32	4.54		
Real Assets Blended Benchmark ¹			2.57	-4.27	-11.02	-8.87	3.56	4.17	3.67	2.01
PIMCO Diversified Real Assets (01/17)	911	0.26	2.70	-3.96	-10.17	-7.79	4.75	4.97		
Net of Manager Fees *			2.66	-4.10	-10.48	-8.17	4.32	4.54		
Fixed Fund Option										
Voya Fixed Plus III (10/15) *	54,591	15.50	0.15	0.56	1.38	1.70	1.90	1.87	1.81	

For the Periods Ending October 31, 2022

	Market Value (\$000s)	Actual Allocation (%)	1 Month (%)	FYTD (%)	YID (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
SSgA Target Retirement Options	182,919	51.92								
SSgA Target Retirement Income (11/15) Net of Manager Fees *	18,613		2.02 2.01	-2.56 -2.60	-12.78 -12.87	-12.24 -12.34	1.86 1.74	2.98 2.86	3.69 3.57	
SSgA Target Retirement 2020 (11/15) Net of Manager Fees *	22,932		2.37 2.36	-2.61 -2.65	-14.09 -14.17	-13.46 -13.57	2.60 2.47	3.71 3.58	4.92 4.80	
SSgA Target Retirement 2025 (11/15) Net of Manager Fees *	35,420		3.13 3.12	-2.58 -2.62	-17.09 -17.17	-16.36 -16.46	3.15 3.03	4.23 4.11	5.71 5.58	
SSgA Target Retirement 2030 (11/15) Net of Manager Fees *	26,564		3.74 3.73	-2.59 -2.62	-19.63 -19.71	-18.94 -19.04	3.17 3.04	4.34 4.22	6.00 5.87	
SSgA Target Retirement 2035 (11/15) Net of Manager Fees *	23,669		4.03 4.02	-2.62 -2.66	-20.70 -20.78	-20.07 -20.17	3.37 3.24	4.48 4.35	6.25 6.13	
SSgA Target Retirement 2040 (11/15) Net of Manager Fees *	17,786		4.43 4.42	-2.51 -2.55	-21.25 -21.33	-20.68 -20.77	3.67 3.55	4.69 4.56	6.56 6.43	
SSgA Target Retirement 2045 (11/15) Net of Manager Fees *	13,945		4.82 4.81	-2.22 -2.26	-21.62 -21.70	-21.11 -21.21	3.98 3.86	4.86 4.73	6.82 6.69	
SSgA Target Retirement 2050 (11/15) Net of Manager Fees *	10,905		5.19 5.18	-1.93 -1.97	-21.92 -22.00	-21.48 -21.57	4.15 4.02	4.95 4.83	6.88 6.75	
SSgA Target Retirement 2055 (11/15) Net of Manager Fees *	6,744		5.19 5.18	-1.94 -1.98	-21.91 -21.99	-21.46 -21.56	4.15 4.02	4.96 4.83	6.90 6.77	
SSgA Target Retirement 2060 (11/15) Net of Manager Fees *	6,183		5.19 5.18	-1.94 -1.97	-21.91 -21.98	-21.46 -21.55	4.14 4.01	4.94 4.82	6.85 6.72	
SSgA Target Retirement 2065 (05/20) Net of Manager Fees *	159		5.18 5.17	-1.94 -1.98	-21.91 -21.99	-21.46 -21.56				
oan Fund	7,426	2.11								

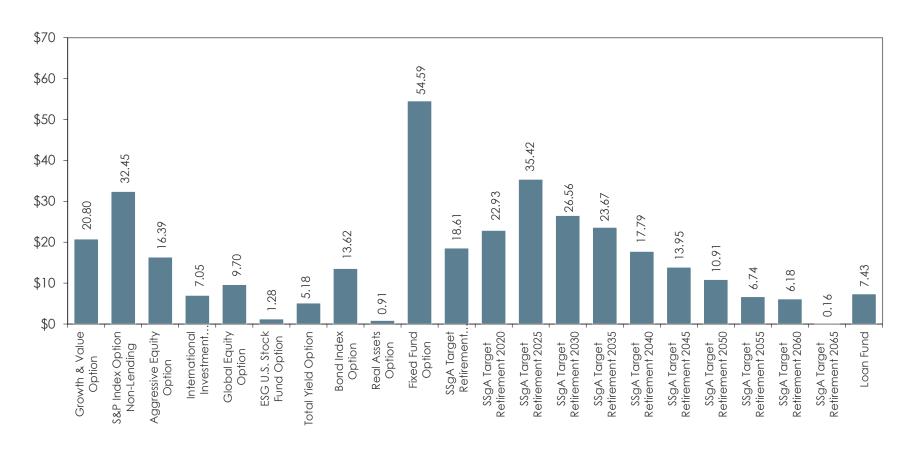
* The net of manager fees includes the investment manager fees and transaction costs associated with each portfolio. The net of manager fee calculation began January 1, 2011.

Fiscal year end is June

All index returns are gross of dividends.

Oklahoma Municipal Retirement Fund - Defined Contribution

For the Periods Ending October 31, 2022 (In \$ Millions)



Market Overview

For the Periods Ending October 31, 2022

	1 Month (%)	FYID (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
US Equity Markets Value								
Russell 1000 Value	10.25	4.06	-9.32	-7.00	7.31	7.21	8.54	10.30
S&P 500 Value	11.50	5.01	-6.97	-3.66	8.05	8.26	9.55	10.91
Russell 2000 Value	12.59	7.40	-11.19	-10.73	8.08	5.31	8.41	9.37
US Equity Markets Core								
S&P 500	8.10	2.82	-17.70	-14.61	10.22	10.44	11.35	12.79
Russell 1000	8.02	3.04	-18.54	-16.38	9.99	10.19	11.14	12.66
Russell 2000	11.01	8.58	-16.86	-18.54	7.05	5.56	8.28	9.93
Russell 2500	9.59	6.51	-16.72	-17.58	7.94	7.07	8.97	10.70
US Equity Markets Growth								
Russell 1000 Growth	5.84	2.04	-26.61	-24.60	11.75	12.59	13.32	14.69
S&P 500 Growth	4.49	0.46	-27.29	-24.43	10.90	11.68	12.33	14.02
Russell 2000 Growth	9.49	9.76	-22.57	-26.02	5.11	5.17	7.67	10.15
NASDAQ Comp	3.90	-0.37	-29.77	-29.10	9.84	10.31	11.73	13.95
Non US Equity Markets								
MSCI EAFE	5.39	-4.41	-22.81	-22.62	-0.82	0.39	3.00	4.61
MSCI ACWI ex US	3.00	-7.09	-23.96	-24.35	-1.23	-0.13	3.16	3.75
MSCI World	7.21	0.69	-19.74	-18.09	6.62	6.92	8.38	9.52
S&P EPAC LargeMidCap	5.29	-4.63	-23.86	-23.83	-0.85	0.19	3.01	4.53
Fixed Income								
Bloomberg Intermediate G/C	-0.44	-3.49	-10.02	-10.03	-1.91	0.30	0.75	0.94
Bloomberg Gov't/Credit	-1.24	-5.74	-16.15	-16.04	-3.64	-0.32	0.60	0.86
Bloomberg US Aggregate	-1.30	-5.99	-15.72	-15.68	-3.77	-0.54	0.35	0.74
Citigroup Broad Investment Grd	-1.26	-6.01	-15.93	-15.94	-3.80	-0.54	0.36	0.74
JPM Gov't ex US UnH	0.15	-10.03	-26.90	-27.80	-10.21	-5.01	-2.53	-3.07
FTSE High-Yield Market	3.09	2.39	-11.79	-10.99	0.46	2.01	4.02	3.91
FTSE World Govt Bond	-0.52	-8.09	-21.68	-22.23	-7.36	-3.07	-1.35	-1.75
US T-Bills 90 Day	0.16	0.62	0.76	0.78	0.58	1.16	0.98	0.70
FTSE 1 Yr T-Bill	0.04	-0.37	-1.67	-1.80	0.12	0.98	0.87	0.70

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Oklahoma Municipal Retirement Fund

Investment Performance Review

September 30, 2022



We are proud to announce that ACG has again been named a Greenwich Associates Quality Leader - recognized as one of the top consultants in the industry.

Methodology and Disclosure: Between July and October 2021, Coalition Greenwich (previously known as Greenwich Associates), conducted in-person and phone interviews and online surveys with 811 professionals at 661 of the largest tax-exempt funds in the United States, including corporate and union funds, public funds, endowments and foundations, insurance general accounts, and healthcare organizations, with either pension or investment pool assets greater than \$150 million. Study participants were asked to provide quantitative and qualitative evaluations of their asset managers and investment consultants, including qualitative assessments of those firms soliciting their business and detailed information on important market trends. ACG is one of four firms recognized in the mid-size investment consultant category. The ratings may not be representative of any one client's experience with ACG; rather they are representative of those clients that chose to participate in the survey. The results are not indicative of ACG's future performance. ACG does not pay to have its clients participate in the study.



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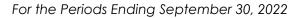
- Tab 1 Market Overview
- Tab 2 Defined Benefit Plan Performance
- Tab 3 Balanced Fund Managers
- Tab 4 Defined Contribution Plan Performance
- Appendix Policy Index History

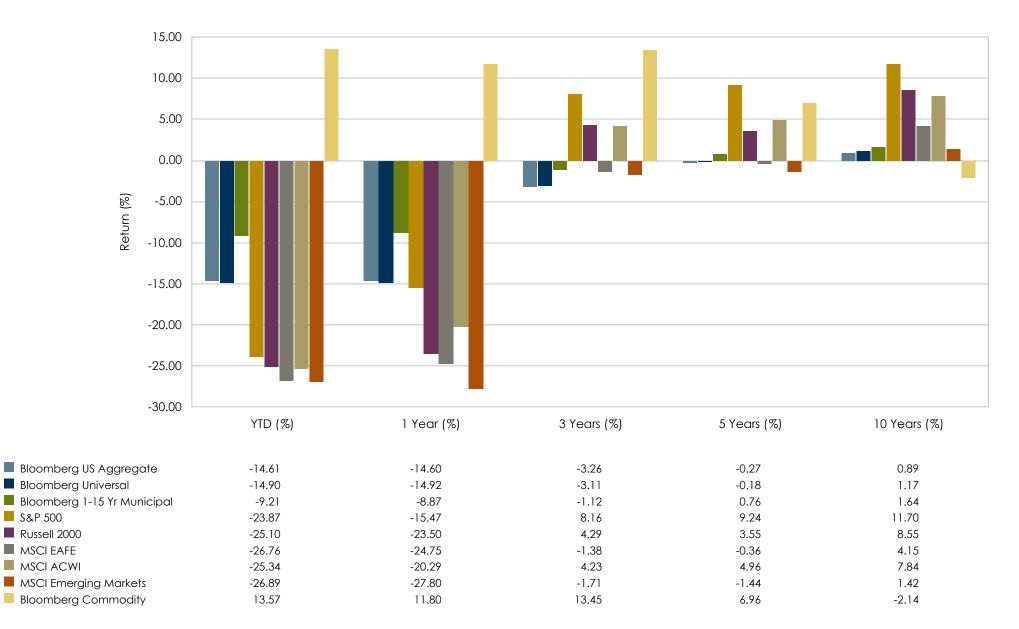
Definitions of Statistical Measures

Quality Rating Scale

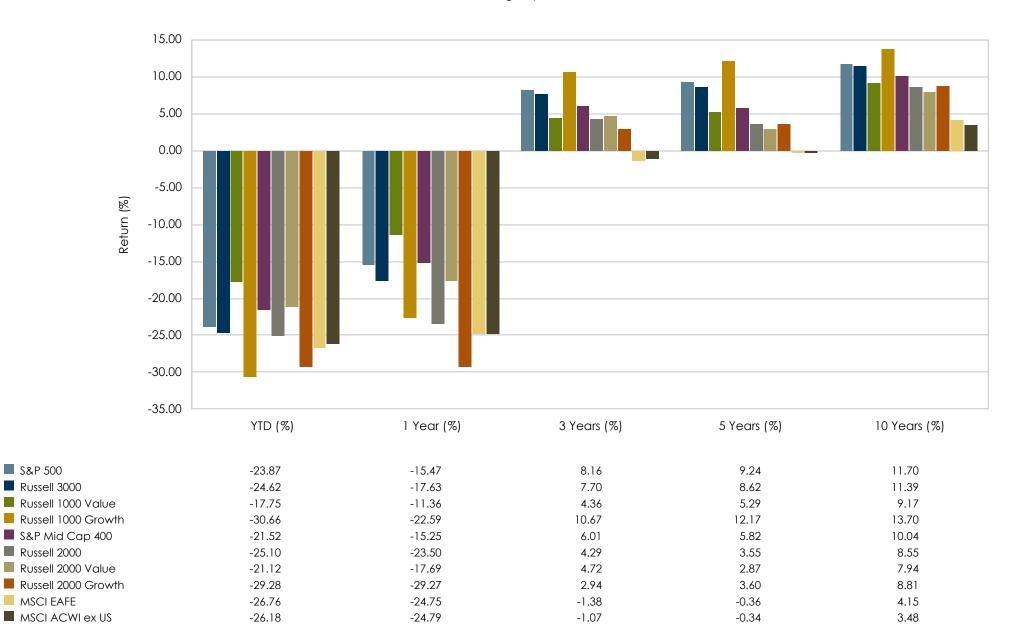
Market Overview

Market Environment





Equity Index Returns



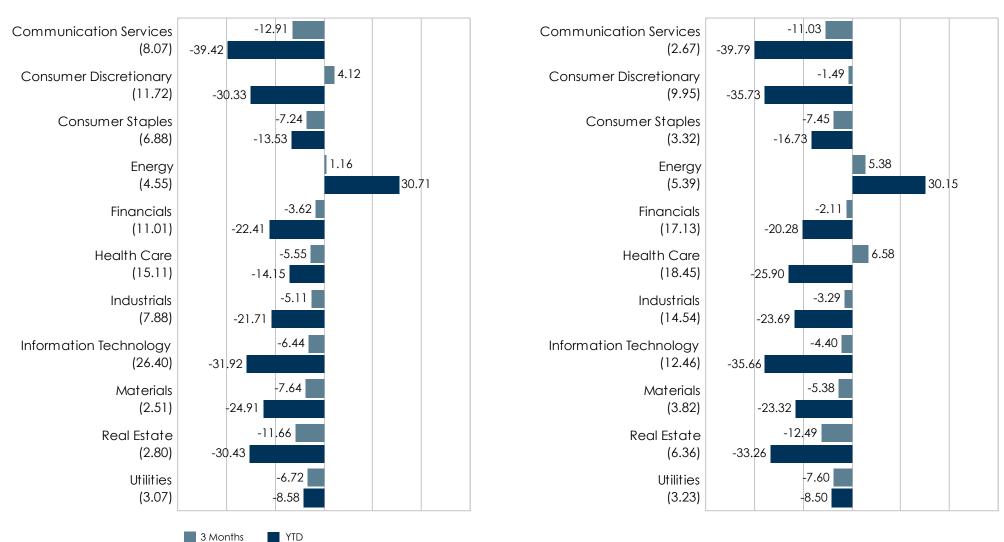
For the Periods Ending September 30, 2022

S&P 500

US Markets - Performance Breakdown

For the Periods Ending September 30, 2022

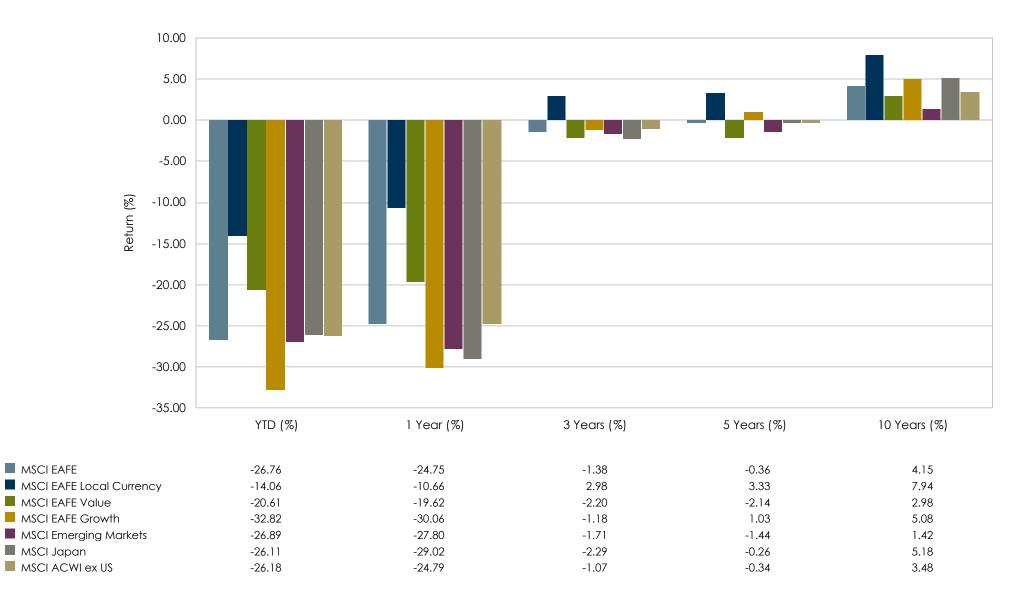
Russell 2000 - Sector Returns (%)



S&P 500 - Sector Returns (%)

Numbers in parenthesis represent sector weightings of the index. Sector weights may not add to 100% due to rounding or securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Non-US Equity Index Returns



For the Periods Ending September 30, 2022

Non-US Equity - Performance Breakdown

For the Periods Ending September 30, 2022

-6.73 -13.63 **Communication Services** Australia (7.98) -18.04 -15.11 (4.82) -24.16 Austria (0.17) -43.23 -13.24 -9.75 Consumer Discretionary Belgium (0.99) -27.96 -33.87 (11.28)-12.20 Denmark (2.65) -27.31 -7.12 -7.06 Consumer Staples Finland (1.02) -26.12 -21.13 (11.26)-8.82 France (11.31) -28.59 -12.58 -4.87 Energy Germany (7.57) -37.131 (4.93) 7.14 -16.96 -19.39 Hong Kong (3.03) -9.52 Financials -5.41 Ireland (0.59) -39.03 (17.60)-22.49 -1.73 Israel (0.84) -26.68 -10.53 Health Care -8.37 Italy (2.26) -31.62 (13.53) -21.70 -7.52 Japan (22.63) -26.10 -8.24 Industrials -10.65 Netherlands (4.12) -40.11 (15.04) -32.95 -8.45 New Zealand (0.18) -30.36 -8.23 Information Technology -15.15 Norway (0.79) -19.63 (7.92) -41.00 -10.94 Portugal (0.23) -13.80 -8.80 Materials -1.48 Singapore (1.59) -19.38 (7.48) -25.36 -14.01 Spain (2.36) -24.30 -12.97 Real Estate -8.79 Sweden (3.41) (2.77) -28.49 -38.83 -7.49 Switzerland (10.75) -13.19 -25.37 Utilities -10.77 United Kingdom (15.54) (3.37) -26.23 -18.64

MSCI EAFE - Country Returns (%)

Numbers in parenthesis represent sector or country weights of the index. Sector or country weights may not add to 100% due to rounding.

YTD

3 Months

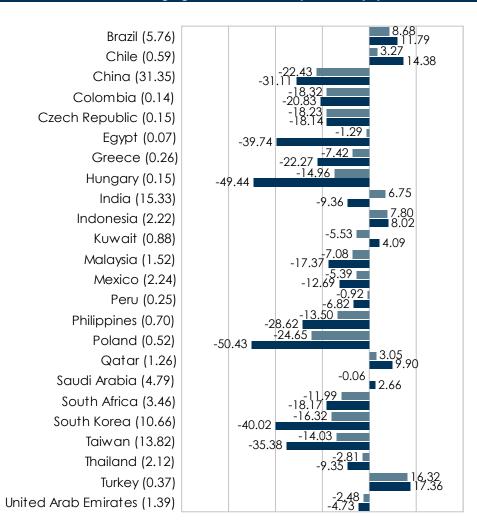
MSCI EAFE - Sector Returns (%)

Source: ACG Research, Bloomberg

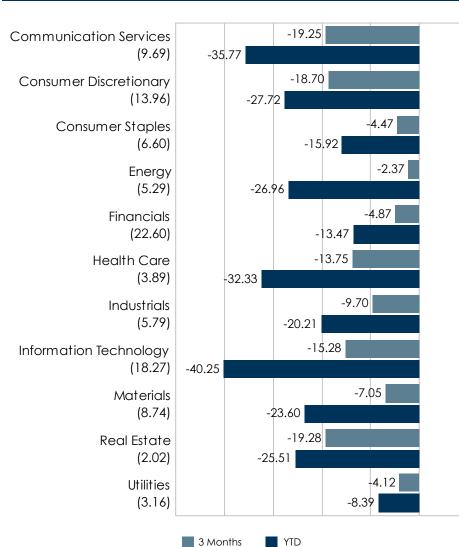
Emerging Markets - Performance Breakdown

For the Periods Ending September 30, 2022

MSCI Emerging Markets - Country Returns (%)

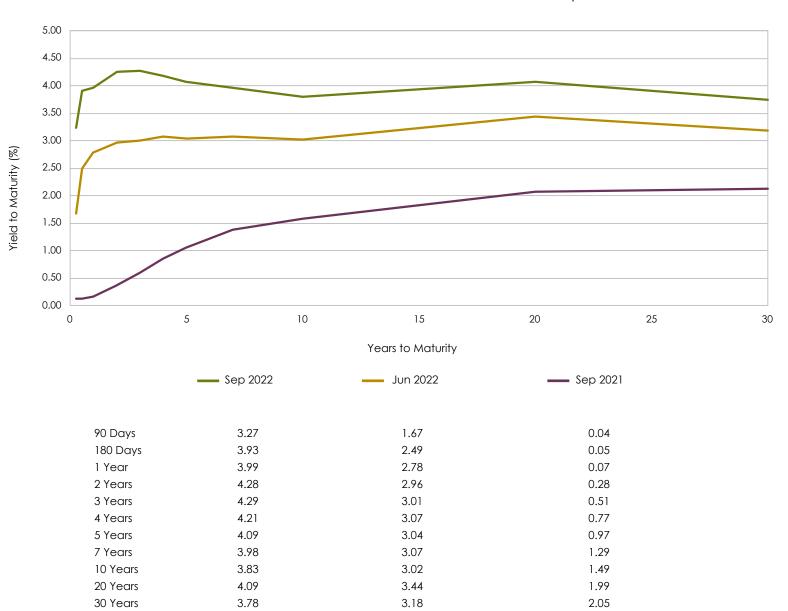


MSCI Emerging Markets - Sector Returns (%)



Numbers in parenthesis represent sector or country weights of the index. Sector or country weights may not add to 100% due to rounding.

Interest Rate Term Structure

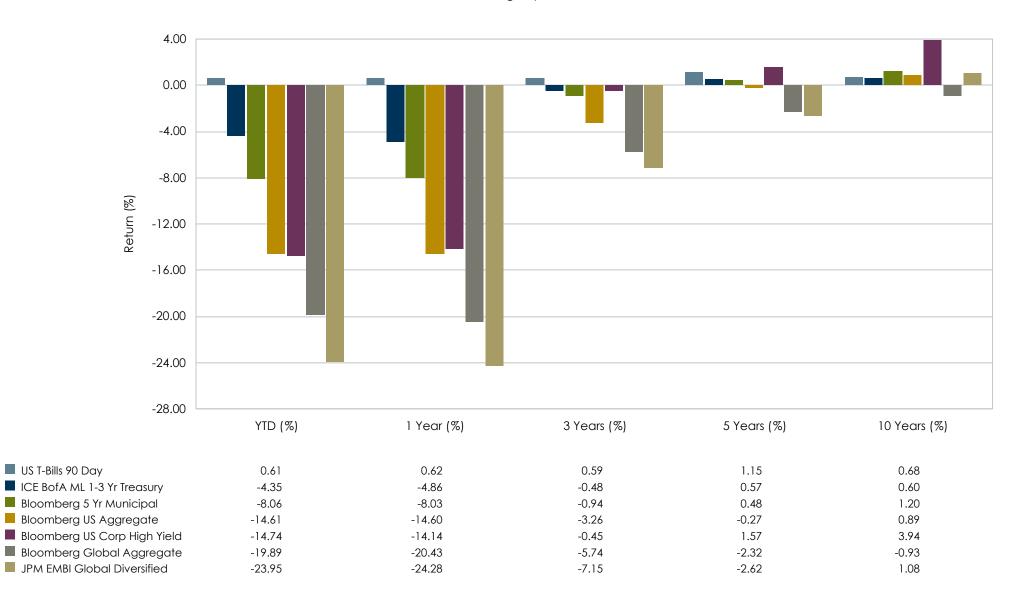


Government Issues - 3 Months to 30 Years Maturity

Source: Bloomberg

Fixed Income Index Returns

For the Periods Ending September 30, 2022



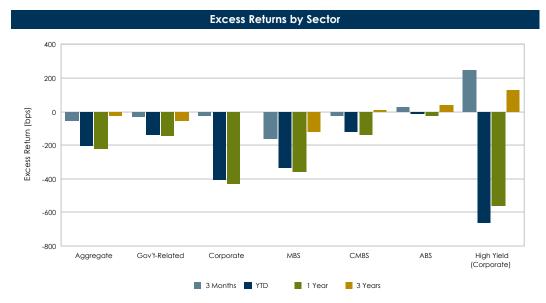
US Fixed Income Market Environment

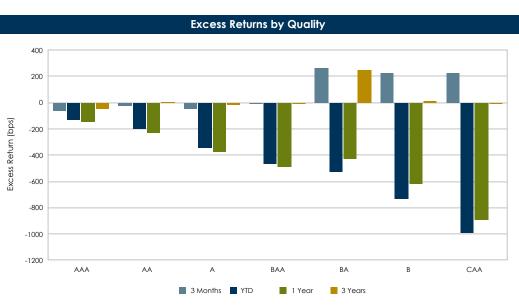
For the Periods Ending September 30, 2022

Nominal Returns By Sector (%)									
	<u>3 Months</u>	<u>YTD</u>	<u>1 Year</u>	<u>3 Years</u>					
US Aggregate	-4.76	-14.62	-14.61	-3.26					
US Treasury	-4.35	-13.09	-12.93	-3.11					
US Agg: Gov't-Related	-3.90	-12.71	-12.71	-2.91					
US Corporate IG	-5.06	-18.72	-18.53	-3.66					
MBS	-5.35	-13.66	-13.98	-3.66					
CMBS	-3.85	-11.81	-12.38	-2.08					
ABS	-1.33	-5.04	-5.59	-0.24					
US Corp High Yield	-0.64	-14.74	-14.14	-0.44					

Nominal Returns by Quality (%)										
	<u>3 Months</u>	<u>YTD</u>	<u>1 Year</u>	<u>3 Years</u>						
AAA	-4.66	-13.12	-13.19	-3.21						
AA	-4.92	-16.57	-16.37	-3.67						
A	-5.17	-17.79	-17.67	-3.65						
BAA	-4.85	-19.30	-19.03	-3.65						
BA	-0.71	-14.47	-13.82	0.34						
В	-0.66	-14.48	-13.77	-1.27						
CAA	-0.42	-16.70	-16.26	-1.37						

Nominal Returns by Maturity (%)										
	<u>3 Months</u>	YTD	<u>1 Year</u>	<u>3 Years</u>						
1-3 Yr.	-1.50	-4.59	-5.13	-0.53						
3-5 Yr.	-3.30	-9.35	-10.08	-1.83						
5-7 Yr.	-4.69	-12.59	-13.09	-2.52						
7-10 Yr.	-5.61	-16.63	-16.63	-3.62						
10+ Yr.	-9.00	-28.87	-27.35	-7.32						





Source: Bloomberg Excess returns are relative to the duration-neutral Treasury.

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Monthly Index Returns

For the Periods Ending September 30, 2022

Figure Series Series<	Index Name	3 Months (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
Puscell 1000	Equity							
Russel 1000 Growin3.803.06.42.2910.671.171.3.741.3.70Russel 1000 Value-5.62-17.75-11.364.365.298.159.17Russel 2000-2.40-2.21.0-2.204.293.557.518.55Russel 2000 Growin-0.24-29.28-29.272.943.607.128.15Russel 2000 Growin-4.44-21.12-1.494.722.977.427.94MSCI ACWI ex US-4.67-25.34-20.294.234.967.987.84MSCI ACWI ex US-9.80-2.18-24.79-1.03-0.343.783.48MSCI ACWI ex US-9.80-2.67-2.47-1.03-0.343.78-3.84MSCI ACWI ex US-9.80-2.67-2.47-1.03-0.343.78-3.84MSCI AFE Iocal Currency-3.52-3.04-1.662.98-3.335.777.94MSCI AFE Volue-10.12-2.04-7.84-2.042.84-2.14-2.042.84MSCI AFE Volue-10.12-2.04-7.84-0.48-0.33-0.570.60MSCI EAFE Volue-10.12-2.64-7.15-7.131.93-0.16-1.8MSCI EAFE Volue-1.01-2.71-1.44-1.41-1.41-2.64-0.74-2.14MSCI EAFE Volue-1.02-2.71-3.06-0.94-0.93-0.57-0.60Boomberg US Aggregote-4.75 <td< td=""><td>S&P 500</td><td>-4.88</td><td>-23.87</td><td>-15.47</td><td>8.16</td><td>9.24</td><td>11.40</td><td>11.70</td></td<>	S&P 500	-4.88	-23.87	-15.47	8.16	9.24	11.40	11.70
Fussell 2000 Value 5.6.2 -17.75 -11.36 4.36 5.29 8.15 9.17 Russell 2000 -2.619 -26.01 -21.01 5.364 5.455 8.39 9.58 Russell 2000 Growth 0.24 -29.28 -29.27 2.94 3.60 7.12 8.81 Russell 2000 Value -4.41 -21.10 -17.69 4.72 2.87 7.42 7.94 Wilsin 5000 Cop Wild -4.45 -21.40 -14.09 9.39 9.65 11.73 11.93 MSCI ACWIL -6.71 -23.34 -24.77 -1.03 -0.36 3.34 4.16 MSCI EAFE -9.29 -2.676 -2.475 -1.38 -0.36 3.34 4.15 MSCI EAFE Kolue -9.29 -2.676 -2.20 -2.14 2.04 2.98 MSCI EAFE Kolue -10.62 -2.20 -2.14 2.04 2.98 MSCI EAFE Kolue -11.42 -2.89 -2.71 -1.46 -0.27 -0.46	Russell 1000	-4.61	-24.59	-17.22	7.95	9.00	11.15	11.60
Russel 2.82 2.401 2.1.11 5.36 5.45 8.39 9.58 Russel 2.000 -2.19 -2.5.10 -2.5.20 4.29 3.55 7.51 6.55 Russel 2.000 Growth -2.41 -2.12 -17.69 4.72 2.87 7.42 7.94 Wishine 5000 Cop Wid -4.61 -2.12 -17.69 4.72 2.87 7.42 7.94 MSCI ACWI ex US -4.61 -2.18 -2.0.29 4.23 4.96 7.98 7.84 MSCI ACWI ex US -9.80 -2.618 -2.477 -1.13 -0.34 3.78 3.48 MSCI EAFE Growth -8.45 -32.82 -24.06 -1.18 -1.03 4.31 5.08 MSCI EAFE Growth -8.45 -32.82 -3.00.6 -1.18 1.03 4.31 5.08 MSCI EAFE Growth -1.12 -2.6.9 -2.70 -2.4 2.40 1.20 MSCI EAFE Growth -0.12 -0.66 -3.03 -0.97<	Russell 1000 Growth	-3.60	-30.66	-22.59	10.67	12.17	13.74	13.70
Fussel -2.19 -2.50 -23.50 4.29 3.55 7.51 8.55 Russel 0.04 -29.28 29.27 2.94 3.60 7.12 8.81 Russel 0.04 -29.28 2.92.77 2.94 2.67 7.42 7.94 Wikhie 5000 Cop Wid -4.45 -21.60 1-1.09 9.39 9.65 11.73 11.93 MSCI ACWI ex US -9.80 -26.18 -24.79 -1.07 -0.34 3.78 3.48 MSCI FAFE -9.29 -26.76 -24.75 -1.38 -0.36 3.31 5.08 MSCI EAFE Cord -9.29 -26.76 -24.75 -1.38 -0.36 3.33 5.07 7.94 MSCI EAFE Cord Currency -3.52 -14.06 -10.64 -2.98 3.33 5.07 7.94 MSCI EAFE Voluc -10.12 -20.64 -10.80 -1.18 1.03 4.31 5.08 MSCI EAFE Voluc -10.12 -20.84 -0.80 0.57	Russell 1000 Value	-5.62	-17.75	-11.36	4.36	5.29	8.15	9.17
Russell 2000 Growth 0.24 -29.28 -29.27 2.94 3.60 7.12 8.81 Russell 2000 Value -4.61 -21.12 -17.69 4.72 2.67 7.42 7.94 Mishine S000 Cap Wid -4.61 -21.62 -14.09 9.29 4.73 4.96 7.78 7.84 MSCI ACWI ex US -9.80 -26.18 -20.29 4.23 4.96 7.88 3.84 MSCI EAFE Local Currency -3.52 -14.06 -10.64 2.88 3.33 5.77 7.94 MSCI EAFE Cord Currency -3.52 -14.06 -19.62 -2.20 -2.14 2.04 2.98 MSCI EAFE Cord Currency -3.52 -14.06 -19.62 -2.20 -2.14 2.04 2.98 MSCI EAFE Sorth -10.12 -20.61 -19.62 -2.20 -2.14 2.04 2.98 MSCI EAFE Sorth -14.14 -14.60 -3.26 -0.27 0.60 -0.33 3.03 1.20 Bioomberg US Aggregate	Russell 2500	-2.82	-24.01	-21.11	5.36	5.45	8.39	9.58
Russell 2000 Value -4.61 -21.12 -17.69 4.72 2.87 7.42 7.94 Witsine 5000 Cap Wird -4.45 -21.60 -14.09 9.39 9.65 11.73 11.93 MSCI ACWI ex US -67.01 -25.34 -20.29 4.23 4.96 7.98 7.84 MSCI ACWI ex US -9.80 -26.18 -24.77 -1.07 -0.34 3.78 3.48 MSCI EAFE Cocil Currency -3.52 -14.06 -10.66 2.98 3.33 5.77 7.94 MSCI EAFE Cocil Currency -3.64 -32.82 -30.06 -1.18 1.03 4.31 5.08 MSCI EAFE Value -10.12 -20.61 -19.62 -20 -2.14 4.04 1.42 MSCI Energing Markets -11.26 -4.35 -4.86 -0.48 .033 .027 .05.6 Bloomberg S Yr Municipal -2.71 -4.45 -14.60 -3.26 -0.27 .0.54 .0.89 Bloomberg US Agregrade -4.75 -14.61 </td <td>Russell 2000</td> <td>-2.19</td> <td>-25.10</td> <td>-23.50</td> <td>4.29</td> <td>3.55</td> <td>7.51</td> <td>8.55</td>	Russell 2000	-2.19	-25.10	-23.50	4.29	3.55	7.51	8.55
Wishine S000 Cap Wid 4.45 -21.60 -14.09 9.39 9.65 11.73 11.93 MSCI ACWI -6.71 -25.34 -20.29 4.23 4.96 7.98 7.84 MSCI ACWI ex US -9.20 -24.72 -1.07 -0.34 3.78 3.48 MSCI EAFE -9.29 -24.76 -1.08 -0.36 3.34 4.15 MSCI EAFE Growth -8.45 -32.22 -14.06 -19.8 -3.33 5.77 7.94 MSCI EAFE Growth -8.45 -32.82 -30.06 -1.18 1.03 4.31 5.08 MSCI EAFE Value -10.12 -20.61 -19.42 -2.20 -2.14 2.04 2.98 MSCI EAFE Value -11.42 -26.89 -27.80 -1.71 -1.44 2.04 2.98 MSCI EAFE Value -11.42 -26.89 -3.26 -0.27 0.54 0.89 Bloomberg US Aggregote -4.75 -14.61 -14.60 -3.26 -0.20 0.19 0.33<	Russell 2000 Growth	0.24	-29.28	-29.27	2.94	3.60	7.12	8.81
MSCI ACWI -6.71 -25.34 -20.29 4.23 4.96 7.98 7.84 MSCI ACWI ex US -9.80 -26.16 -24.75 -1.07 -0.34 3.78 3.48 MSCI EAFE -9.29 -26.76 -24.75 -1.38 -0.36 3.34 4.15 MSCI EAFE Growth -8.45 -32.82 -30.06 -1.18 1.03 4.31 5.08 MSCI EAFE Volve -0.12 -20.61 -19.62 -22.02 -2.14 4.26 1.42 MSCI EAFE Volve -0.12 -20.61 -19.62 -22.02 -2.14 4.26 1.42 MSCI EAFE Volve -0.12 -26.89 -27.80 -1.71 -1.44 4.26 1.42 MSCI EAFE Volve -1.55 -4.35 -4.86 -0.67 0.57 0.60 IS CE Bord ML 3'Y Treasiny -1.56 -4.35 -1.80 -3.26 -0.27 0.54 0.89 Bloomberg US Aggregate -4.75 -14.61 -14.60 -3.26	Russell 2000 Value	-4.61	-21.12	-17.69	4.72	2.87	7.42	7.94
MSCI ACWI ex US 9.80 -26.18 -24.79 -1.07 -0.34 3.78 3.48 MSCI EAFE -9.29 -26.76 -24.75 -1.38 -0.36 3.34 -4.15 MSCI EAFE Local Currency -3.52 -14.06 -29.8 3.33 5.77 7.94 MSCI EAFE Value -10.12 -20.61 -17.82 -2.20 -2.14 2.04 2.98 MSCI EAFE Value -10.12 -20.61 -17.82 -2.20 -2.14 2.04 2.98 MSCI EAFE Value -10.12 -20.61 -17.82 -2.20 -2.14 2.04 2.98 MSCI EAFE Value -10.12 -20.61 -17.82 -2.20 -2.14 2.04 2.98 MSCI EAFE More - - -4.35 -4.86 -0.48 0.57 0.57 0.60 Bloomberg US Aggregate -4.75 -14.61 -14.60 -3.26 0.20 0.19 0.53 Bloomberg US Aggregate -4.35 -18.07 -7.81 <	Wilshire 5000 Cap Wtd	-4.45	-21.60	-14.09	9.39	9.65	11.73	11.93
MSCI EAFE 9.29 -26.76 -24.75 -1.38 -0.36 3.34 4.15 MSCI EAFE Local Currency -3.52 -14.06 -10.66 2.98 3.33 5.77 7.94 MSCI EAFE Corowth -8.45 -32.82 -30.06 -1.18 1.03 4.31 5.08 MSCI EAFE Value -10.12 -20.61 -19.62 -2.20 -2.14 2.04 2.98 MSCI EAFE Value -11.42 -26.8 -27.80 -1.71 -1.44 2.62 2.98 MSCI EAFE Value -11.42 -26.8 -27.08 -1.71 -1.44 0.46 0.73 0.40 MSCI EAFE Value -2.71 -8.06 -8.03 -0.94 0.48 0.73 1.20 Bloomberg S Yr Municipal -2.71 -8.06 -8.03 -0.05 0.02 0.19 0.53 Bloomberg GoVI Bond -4.30 -12.95 -12.81 -3.05 -0.05 1.39 1.58 Bloomberg US Cordiii Yr Municipal -2.54 -	MSCI ACWI	-6.71	-25.34	-20.29	4.23	4.96	7.98	7.84
MSCI EAFE Local Currency -3.52 -14.06 -10.66 2.98 3.33 5.77 7.94 MSCI EAFE Growth -8.45 -32.22 -30.06 -1.18 1.03 4.31 5.08 MSCI EAFE Growth -10.12 -20.61 -19.62 -2.20 -2.14 2.04 2.98 MSCI EAFE Value -11.42 -26.89 -27.80 -1.71 -1.44 4.26 1.42 Fixed Income -	MSCI ACWI ex US	-9.80	-26.18	-24.79	-1.07	-0.34	3.78	3.48
MSCI EAFE Growth -8.45 -32.82 -30.06 -1.18 1.03 4.31 5.08 MSCI EAFE Value -10.12 -20.61 -19.62 -2.20 -2.14 2.04 2.98 MSCI Emerging Markets -11.42 -20.61 -19.62 -2.20 -2.14 2.04 2.98 MSCI Emerging Markets -11.42 -20.61 -19.62 -2.20 -2.14 2.04 2.98 MSCI Emerging Markets -11.42 -20.61 -1.86 -2.20 -1.14 2.04 2.98 ICE Bord ML1-3 Yr Treasury -1.56 -4.35 -4.86 -0.48 0.57 0.57 0.60 Bloomberg US Aggregate -4.75 -14.61 -14.60 -3.26 -0.27 0.54 0.89 Bloomberg US Credit -4.35 -18.07 -17.89 -3.61 -0.05 1.39 1.58 Bloomberg US Corp High Yield -2.54 -10.59 -10.10 -1.32 0.92 1.61 2.05 Bloomberg Global Aggregate -6.94	MSCI EAFE	-9.29	-26.76	-24.75	-1.38	-0.36	3.34	4.15
MSCI EAFE Value -10.12 -20.61 -19.62 -2.20 -2.14 2.04 2.98 MSCI Emerging Markets -11.42 -26.89 -27.80 -1.71 -1.44 4.26 1.42 Fixed Income	MSCI EAFE Local Currency	-3.52	-14.06	-10.66	2.98	3.33	5.77	7.94
MSCI Emerging Markets -11.42 -26.89 -27.80 -1.71 -1.44 4.26 1.42 Fixed Income ICE Bof AM LI -3 YT Tradsury -1.56 -4.35 -4.86 -0.48 0.57 0.57 0.60 Bloomberg US Aggregate -2.71 -8.06 -8.03 -0.94 0.48 0.93 1.20 Bloomberg US Aggregate -4.75 -14.61 -14.60 -3.26 -0.27 0.54 0.89 Bloomberg US Credit -4.30 -12.95 -12.81 -3.05 -0.20 0.19 0.53 Bloomberg US Credit -4.95 -18.07 -17.89 -3.61 -0.05 1.32 0.92 1.61 2.05 Bloomberg US Credit -0.65 -14.74 -14.14 -0.45 1.57 4.13 3.94 FISE World Govt Bond -7.61 -21.27 -22.14 -7.03 -3.07 -1.29 -1.76 Bloomberg Global Aggregate -6.94	MSCI EAFE Growth	-8.45	-32.82	-30.06	-1.18	1.03	4.31	5.08
Fixed IncomeICE BofA ML 1-3 Yr Treasury-1.56-4.35-4.86-0.480.570.570.60Bloomberg S Yr Municipal-2.71-8.06-8.03-0.940.480.931.20Bloomberg US Aggregate-4.75-14.61-14.60-3.26-0.270.540.89Bloomberg US Credit-4.30-12.95-12.81-3.05-0.200.190.53Bloomberg US Credit-4.95-18.07-17.89-3.61-0.051.391.58Bloomberg US Credit-0.65-14.74-14.14-0.451.574.133.94FTSE World Govt Bond-7.61-21.27-22.14-7.03-3.07-1.29-1.76Bloomberg US Credit-6.94-19.89-20.43-5.74-2.32-0.64-0.93Bloomberg Multiverse-6.76-19.79-20.35-5.43-2.260.901.08Bloomberg Multiverse-6.76-19.79-20.35-5.43-2.620.901.08Real Asset19.79-20.35-5.43-2.620.901.08NCRIEF Property0.579.3516.089.928.628.469.48NFI ODCE Net0.3512.4021.0111.399.278.889.92FISE NAREIT Equity REITS-9.94-28.13-16.41-2.052.934.866.26Bloomberg Commotify eLinit-1.1113.5711.8013.456.96 <t< td=""><td>MSCI EAFE Value</td><td>-10.12</td><td>-20.61</td><td>-19.62</td><td>-2.20</td><td>-2.14</td><td>2.04</td><td>2.98</td></t<>	MSCI EAFE Value	-10.12	-20.61	-19.62	-2.20	-2.14	2.04	2.98
ICE BofA ML 1-3 Yr Treasury -1.56 -4.35 -4.86 -0.48 0.57 0.57 0.60 Bloomberg 5 Yr Municipal -2.71 -8.06 -8.03 -0.94 0.48 0.93 1.20 Bloomberg US Aggregate -4.75 -14.61 -14.60 -3.26 -0.27 0.54 0.89 Bloomberg Gov't Bond -4.30 -12.95 -12.81 -3.05 -0.20 0.19 0.53 Bloomberg US Credit -4.95 -18.07 -17.89 -3.61 -0.05 1.39 1.58 Bloomberg US Credit -2.54 -10.59 -10.10 -1.32 0.92 1.61 2.05 Bloomberg US Cropt High Yield -0.65 -14.74 -14.14 -0.45 1.57 4.13 3.94 FISE World Govt Bond -7.61 -21.27 -22.14 -7.03 -3.07 -1.29 -1.76 Bloomberg Global Aggregate -6.76 -19.79 -20.35 -5.63 -2.62 0.45 -0.76 JPM EMB Global Diversified -4.57 -23.95 -24.28 -7.15 -2.62 0.90 1.08 <td>MSCI Emerging Markets</td> <td>-11.42</td> <td>-26.89</td> <td>-27.80</td> <td>-1.71</td> <td>-1.44</td> <td>4.26</td> <td>1.42</td>	MSCI Emerging Markets	-11.42	-26.89	-27.80	-1.71	-1.44	4.26	1.42
Bloomberg 5 Yr Municipal-2.71-8.06-8.03-0.940.480.931.20Bloomberg US Aggregate-4.75-14.61-14.60-3.26-0.270.540.89Bloomberg Gov't Bond-4.30-12.95-12.81-3.05-0.200.190.53Bloomberg US Credit-4.95-18.07-17.89-3.61-0.051.391.58Bloomberg US Credit-2.54-10.59-10.10-1.320.921.612.05Bloomberg US Corp High Yield-0.65-14.74-14.14-0.451.574.133.94FISE World Govt Bond-7.61-21.27-22.14-7.03-3.07-1.29-1.76Bloomberg Global Aggregate-6.76-19.79-20.35-5.63-2.26-0.45-0.76JPM EMBI Global Diversified-4.57-23.95-24.28-7.15-2.620.901.08NCREIF Property0.579.3516.089.928.628.469.48NFI ODCE Net0.3512.4021.0111.399.278.889.92FISE NAREIT Equity REITS-9.94-28.13-16.41-2.052.934.866.26Bloomberg Commodity-4.1113.5711.8013.456.964.49-2.14	Fixed Income							
Bloomberg US Aggregate -4.75 -14.61 -14.60 -3.26 -0.27 0.54 0.89 Bloomberg Gov't Bond -4.30 -12.95 -12.81 -3.05 -0.20 0.19 0.53 Bloomberg US Credit -4.95 -18.07 -17.89 -3.61 -0.05 1.39 1.58 Bloomberg 10 Yr Municipal -2.54 -10.59 -10.10 -1.32 0.92 1.61 2.05 Bloomberg US Corp High Yield -0.65 -14.74 -14.14 -0.45 1.57 4.13 3.94 FISE World Govt Bond -7.61 -21.27 -22.14 -7.03 -3.07 -1.29 -1.76 Bloomberg Global Aggregate -6.76 -19.79 -20.35 -5.63 -2.26 -0.64 -0.93 Bloomberg Multiverse -6.76 -19.79 -20.35 -5.63 -2.26 0.90 1.08 NEREIF Property 0.35 12.40 21.01 11.39 9.27 8.86 9.48 NFI ODCE Net 0.35 </td <td>ICE BofA ML 1-3 Yr Treasury</td> <td>-1.56</td> <td>-4.35</td> <td>-4.86</td> <td>-0.48</td> <td>0.57</td> <td>0.57</td> <td>0.60</td>	ICE BofA ML 1-3 Yr Treasury	-1.56	-4.35	-4.86	-0.48	0.57	0.57	0.60
Bloomberg Gov't Bond -4.30 -12.95 -12.81 -3.05 -0.20 0.19 0.53 Bloomberg US Credit -4.95 -18.07 -17.89 -3.61 -0.05 1.39 1.58 Bloomberg US Credit -2.54 -10.59 -10.10 -1.32 0.92 1.61 2.05 Bloomberg US Corp High Yield -0.65 -14.74 -14.14 -0.45 1.57 4.13 3.94 FISE World Govt Bond -7.61 -21.27 -22.14 -7.03 -3.07 -1.29 -1.76 Bloomberg Multiverse -6.94 -19.89 -20.43 -5.74 -2.32 -0.64 -0.93 Bloomberg Multiverse -6.76 -19.79 -20.35 -5.63 -2.62 0.90 1.08 Read Assets NCREIF Property -0.57 9.35 16.08 9.92 8.62 8.46 9.48 NFI ODCE Net 0.35 12.40 21.01 11.39 9.27 8.88 9.92 FISE NAREIT Equity REITS -9.9	÷ .	-2.71	-8.06	-8.03	-0.94	0.48	0.93	1.20
Bloomberg US Credit-4.95-18.07-17.89-3.61-0.051.391.58Bloomberg 10 Yr Municipal-2.54-10.59-10.10-1.320.921.612.05Bloomberg US Corp High Yield-0.65-14.74-14.14-0.451.574.133.94FTSE World Govt Bond-7.61-21.27-22.14-7.03-3.07-1.29-1.76Bloomberg Global Aggregate-6.94-19.89-20.43-5.74-2.32-0.64-0.93Bloomberg Multiverse-6.76-19.79-20.35-5.63-2.26-0.45-0.76JPM EMBI Global Diversified-4.57-23.95-24.28-7.15-2.620.901.08NCREIF Property0.579.3516.089.928.628.469.48NFI ODCE Net0.3512.4021.0111.399.278.889.92FTSE NAREIT Equity REITS-9.94-28.13-16.41-2.052.934.866.26Bloomberg Commodity-4.1113.5711.8013.456.964.49-2.14	Bloomberg US Aggregate	-4.75	-14.61	-14.60	-3.26	-0.27	0.54	0.89
Bloomberg 10 Yr Municipal-2.54-10.59-10.10-1.320.921.612.05Bloomberg US Corp High Yield-0.65-14.74-14.14-0.451.574.133.94FTSE World Govt Bond-7.61-21.27-22.14-7.03-3.07-1.29-1.76Bloomberg Global Aggregate-6.94-19.89-20.43-5.74-2.32-0.64-0.93Bloomberg Multiverse-6.76-19.79-20.35-5.63-2.26-0.45-0.76JPM EMBI Global Diversified-4.57-23.95-24.28-7.15-2.620.901.08NCREIF Property0.579.3516.089.928.628.469.48NFI ODCE Net0.3512.4021.0111.399.278.889.92FTSE NAREIT Equity REITS-9.94-28.13-16.41-2.052.934.866.26Bloomberg Commodity-4.1113.5711.8013.456.964.49-2.14	Bloomberg Gov't Bond	-4.30	-12.95	-12.81	-3.05	-0.20	0.19	0.53
Bloomberg US Corp High Yield -0.65 -14.74 -14.14 -0.45 1.57 4.13 3.94 FTSE World Govt Bond -7.61 -21.27 -22.14 -7.03 -3.07 -1.29 -1.76 Bloomberg Global Aggregate -6.94 -19.89 -20.43 -5.74 -2.32 -0.64 -0.93 Bloomberg Multiverse -6.76 -19.79 -20.35 -5.63 -2.26 -0.45 -0.76 JPM EMBI Global Diversified -4.57 -23.95 -24.28 -7.15 -2.62 0.90 1.08 Real Assets N <td>Bloomberg US Credit</td> <td>-4.95</td> <td>-18.07</td> <td>-17.89</td> <td>-3.61</td> <td>-0.05</td> <td>1.39</td> <td>1.58</td>	Bloomberg US Credit	-4.95	-18.07	-17.89	-3.61	-0.05	1.39	1.58
FTSE World Govt Bond-7.61-21.27-22.14-7.03-3.07-1.29-1.76Bloomberg Global Aggregate-6.94-19.89-20.43-5.74-2.32-0.64-0.93Bloomberg Multiverse-6.76-19.79-20.35-5.63-2.26-0.45-0.76JPM EMBI Global Diversified-4.57-23.95-24.28-7.15-2.620.901.08Real AssetsNCREIF Property0.579.3516.089.928.628.469.48NFI ODCE Net0.3512.4021.0111.399.278.889.92FISE NAREIT Equity REITS-9.94-28.13-16.41-2.052.934.866.26Bloomberg Commodity-4.1113.5711.8013.456.964.49-2.14Cash and Equivalents	Bloomberg 10 Yr Municipal		-10.59	-10.10	-1.32		1.61	
Bloomberg Global Aggregate-6.94-19.89-20.43-5.74-2.32-0.64-0.93Bloomberg Multiverse-6.76-19.79-20.35-5.63-2.26-0.45-0.76JPM EMBI Global Diversified-4.57-23.95-24.28-7.15-2.620.901.08Real AssetsNCREIF Property0.579.3516.089.928.628.469.48NFI ODCE Net0.3512.4021.0111.399.278.889.92FTSE NAREIT Equity REITS-9.94-28.13-16.41-2.052.934.866.26Bloomberg Commodity-4.1113.5711.8013.456.964.49-2.14	Bloomberg US Corp High Yield			-14.14	-0.45	1.57		3.94
Bloomberg Multiverse-6.76-19.79-20.35-5.63-2.26-0.45-0.76JPM EMBI Global Diversified-4.57-23.95-24.28-7.15-2.620.901.08Real AssetsNCREIF Property0.579.3516.089.928.628.469.48NFI ODCE Net0.3512.4021.0111.399.278.889.92FTSE NAREIT Equity REITs-9.94-28.13-16.41-2.052.934.866.26Bloomberg Commodity-4.1113.5711.8013.456.964.49-2.14Cash and Equivalents	FTSE World Govt Bond	-7.61	-21.27	-22.14	-7.03	-3.07	-1.29	-1.76
JPM EMBI Global Diversified-4.57-23.95-24.28-7.15-2.620.901.08Real AssetsNCREIF Property0.579.3516.089.928.628.469.48NFI ODCE Net0.3512.4021.0111.399.278.889.92FTSE NAREIT Equity REITs-9.94-28.13-16.41-2.052.934.866.26Bloomberg Commodity-4.1113.5711.8013.456.964.49-2.14Cash and Equivalents	Bloomberg Global Aggregate						-0.64	
Real Assets NCREIF Property 0.57 9.35 16.08 9.92 8.62 8.46 9.48 NFI ODCE Net 0.35 12.40 21.01 11.39 9.27 8.88 9.92 FTSE NAREIT Equity REITs -9.94 -28.13 -16.41 -2.05 2.93 4.86 6.26 Bloomberg Commodity -4.11 13.57 11.80 13.45 6.96 4.49 -2.14 Cash and Equivalents	Bloomberg Multiverse		-19.79				-0.45	
NCREIF Property0.579.3516.089.928.628.469.48NFI ODCE Net0.3512.4021.0111.399.278.889.92FTSE NAREIT Equity REITs-9.94-28.13-16.41-2.052.934.866.26Bloomberg Commodity-4.1113.5711.8013.456.964.49-2.14Cash and Equivalents		-4.57	-23.95	-24.28	-7.15	-2.62	0.90	1.08
NFI ODCE Net 0.35 12.40 21.01 11.39 9.27 8.88 9.92 FTSE NAREIT Equity REITs -9.94 -28.13 -16.41 -2.05 2.93 4.86 6.26 Bloomberg Commodity -4.11 13.57 11.80 13.45 6.96 4.49 -2.14 Cash and Equivalents	Real Assets							
FTSE NAREIT Equity REITs -9.94 -28.13 -16.41 -2.05 2.93 4.86 6.26 Bloomberg Commodity -4.11 13.57 11.80 13.45 6.96 4.49 -2.14 Cash and Equivalents	NCREIF Property							
Bloomberg Commodity -4.11 13.57 11.80 13.45 6.96 4.49 -2.14 Cash and Equivalents	NFI ODCE Net		12.40		11.39		8.88	9.92
Cash and Equivalents	FTSE NAREIT Equity REITs							
	Bloomberg Commodity	-4.11	13.57	11.80	13.45	6.96	4.49	-2.14
US T-Bills 90 Day 0.46 0.61 0.62 0.59 1.15 0.95 0.68	Cash and Equivalents							
	US T-Bills 90 Day	0.46	0.61	0.62	0.59	1.15	0.95	0.68

Monthly Index Returns

Index Name	1 Month (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	7 Years (%)	10 Years (%)
Equity							
S&P 500	8.10	-17.70	-14.61	10.22	10.44	11.35	12.79
Russell 1000	8.02	-18.54	-16.38	9.99	10.19	11.14	12.66
Russell 1000 Growth	5.84	-26.61	-24.60	11.75	12.59	13.32	14.69
Russell 1000 Value	10.25	-9.32	-7.00	7.31	7.21	8.54	10.30
Russell 2500	9.59	-16.72	-17.58	7.94	7.07	8.97	10.70
Russell 2000	11.01	-16.86	-18.54	7.05	5.56	8.28	9.93
Russell 2000 Growth	9.49	-22.57	-26.02	5.11	5.17	7.67	10.15
Russell 2000 Value	12.59	-11.19	-10.73	8.08	5.31	8.41	9.37
Wilshire 5000 Cap Wtd	8.21	-15.17	-12.90	11.50	10.92	11.76	13.02
MSCI ACWI	6.06	-20.81	-19.58	5.34	5.76	7.71	8.54
MSCI ACWI ex US	3.00	-23.96	-24.35	-1.23	-0.13	3.16	3.75
MSCI EAFE	5.39	-22.81	-22.62	-0.82	0.39	3.00	4.61
MSCI EAFE Local Currency	5.34	-9.48	-7.92	4.20	3.80	5.40	8.38
MSCI EAFE Growth	4.33	-29.91	-29.35	-0.94	1.44	3.76	5.48
MSCI EAFE Value	6.46	-15.48	-15.80	-1.31	-1.07	1.91	3.50
MSCI Emerging Markets	-3.09	-29.15	-30.73	-4.07	-2.73	2.78	1.16
Fixed Income							
ICE BofA ML 1-3 Yr Treasury	-0.10	-4.45	-4.66	-0.62	0.57	0.57	0.60
Bloomberg Municipal	-0.83	-12.86	-11.98	-2.18	0.37	1.15	1.68
Bloomberg US Aggregate	-1.30	-15.72	-15.68	-3.77	-0.54	0.35	0.74
Bloomberg Gov't Bond	-1.37	-14.14	-13.94	-3.52	-0.45	0.05	0.40
Bloomberg US Credit	-1.03	-18.92	-18.91	-4.13	-0.32	1.17	1.36
Bloomberg 10 Yr Municipal	-0.53	-11.06	-10.23	-1.54	0.77	1.48	1.96
Bloomberg US Corp High Yield	2.60	-12.53	-11.76	0.31	2.01	4.10	4.12
FTSE World Govt Bond	-0.52	-21.68	-22.23	-7.36	-3.07	-1.35	-1.75
Bloomberg Global Aggregate	-0.69	-20.44	-20.79	-6.16	-2.38	-0.77	-0.98
Bloomberg Multiverse	-0.56	-20.24	-20.57	-6.03	-2.30	-0.59	-0.81
Real Assets							
Bloomberg Commodity	1.99	15.83	11.15	13.44	6.92	4.85	-1.56
Cash and Equivalents							
US T-Bills 90 Day	0.16	0.76	0.78	0.58	1.16	0.98	0.70

Defined Benefit Plan Performance

Performance vs. Objectives

	Benchmark (%)	Rank	Total Portfolio (%)	Rank	Objective Met?	Benchmark (%)	Rank	Total Portfolio (%)	Rank	Objective Met?
			5 Years					10 Years		
 The Pension Plan gross annualized total return should equal or exceed the Plan's actuarial interest rate assumption. 	7.25		4.88		No	7.25		7.02		No
 The Pension Plan gross annualized total return should equal or exceed the annualized total return of the policy index. 	4.25		4.88		Yes	6.69		7.02		Yes
 The Pension Plan gross annualized total return should rank at median or above when compared to a universe of total fund portfolios with a similar allocation to equities (55%-70%). 	3.99	50th	4.88	23rd	Yes	6.30	50th	7.02	23rd	Yes
 Gross volatility or standard deviation should be in line with that of the Policy Index. 	12.41		11.69		Yes	9.99		9.27		Yes

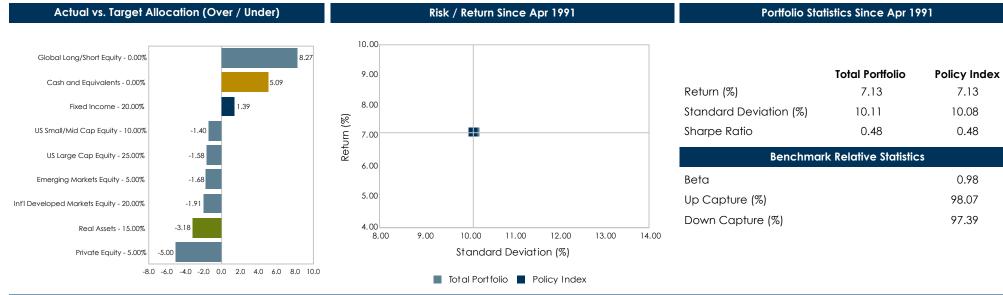
For the Periods Ending September 30, 2022

Performance and Statistics are calculated using monthly return data. $\,^*$ Indicates net of fee data.

Policy Index: Effective October 2021, the index consists of 70.00% MSCI ACWI, 20.00% Bloomberg US Aggregate, 10.00% NCREIF Property.

Total Portfolio

For the Periods Ending September 30, 2022

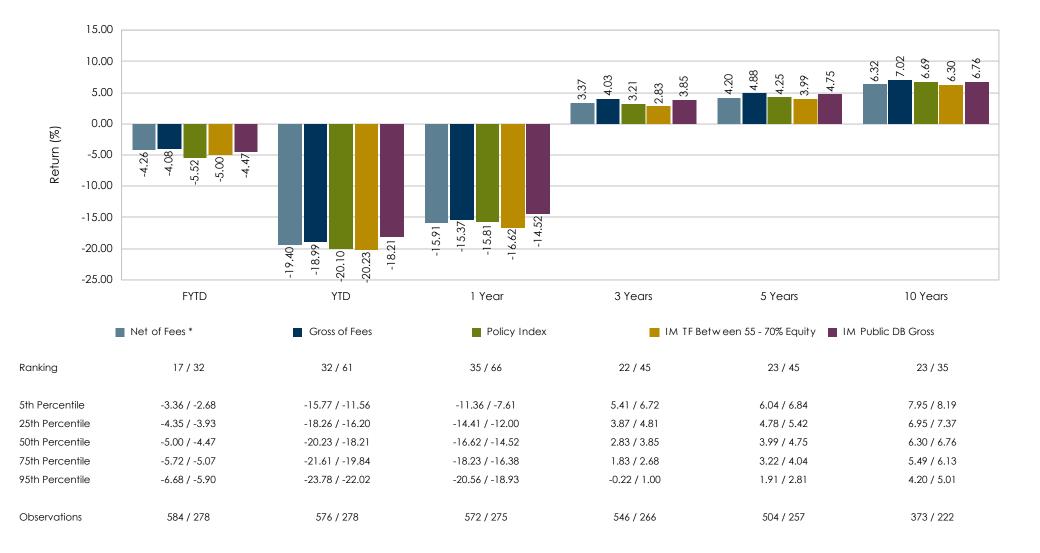


Performance by Broad Asset Class	Market Value (\$000s)	Actual Allocation (%)	Target Allocation (%)	FYTD (%)	YTD (%)	1 Year (%)	3 Years (%)	5 Years (%)	10 Years (%)	Since Incp. (%)
Total Portfolio (04/91)	615,782	100.00	100.00	-4.08	-18.99	-15.37	4.03	4.88	7.02	7.13
Policy Index				-5.52	-20.10	-15.81	3.21	4.25	6.69	7.13
Equity (10/10)	379,905	61.69	65.00	-5.28	-24.91	-20.60	4.87	5.69	8.57	8.95
MSCI ACWI				-6.71	-25.34	-20.29	4.23	4.96	7.84	7.73
Fixed Income (06/03)	131,736	21.39	20.00	-3.15	-11.15	-11.16	-0.65	1.29	2.27	4.12
Bloomberg US Aggregate				-4.75	-14.61	-14.60	-3.26	-0.27	0.89	2.89
Real Assets (09/11)	72,807	11.82	15.00	-0.92	9.99	18.67	11.98	10.06	11.57	11.81
NCREIF Property				0.57	9.35	16.08	9.92	8.62	9.48	9.86
Cash and Equivalents (09/11)	31,335	5.09	0.00	0.40	0.52	0.52	0.43	0.94	0.56	0.52

 $\label{eq:percentages} Percentages \ following \ the \ asset \ classes \ represent \ the \ target \ allocation.$

Total Portfolio

For the Periods Ending September 30, 2022



Rates of Return Summary & Universe Rankings

	Market	Actual	FYTD	Rank	YTD	Rank	1 Year	Rank	3 Years	Rank	5 Years	Rank	10 Years
	Value (\$000s)	Allocation (%)	(%)	Kank	(%)	Kank	(%)	Kulik	(%)	Kunk	(%)	Kullik	(%)
Total Portfolio (04/91)	615,782	100.00	-4.08	17 / 32	-18.99	32 / 61	-15.37	35 / 66	4.03	22 / 45	4.88	23 / 45	7.02
Policy Index ¹			-5.52		-20.10		-15.81		3.21		4.25		6.69
IM TF Between 55 - 70% Equity			-5.00		-20.23		-16.62		2.83		3.99		6.30
IM Public DB Gross			-4.47		-18.21		-14.52		3.85		4.75		6.76
Equity (10/10)	379,905	61.69	-5.28		-24.91		-20.60		4.87		5.69		8.57
MSCI ACWI			-6.71		-25.34		-20.29		4.23		4.96		7.84
US Equity (06/00)	197,173	32.02	-3.84		-22.95		-15.65		7.88		8.83		11.21
Russell 3000			-4.46		-24.62		-17.63		7.70		8.62		11.39
US Large Cap Equity (09/04)	144,189	23.42	-4.89		-23.87		-15.48		8.24		9.16		11.75
S&P 500			-4.88		-23.87		-15.47		8.16		9.24		11.70
SSgA S&P 500 Non-Lending (02/10)	144,189	23.42	-4.89	53	-23.87	63	-15.48	55	8.14	40	9.25	41	11.74
S&P 500			-4.88		-23.87		-15.47		8.16		9.24		11.70
eA US Large Cap Core Equity			-4.83		-22.94		-15.04		7.75		8.98		11.52
US Small/Mid Cap Equity	52,984	8.60											
River Road Small Cap Value (04/16)	29,012	4.71	-2.53	14	-13.41	9	-6.60	6	6.51	45	7.06	12	
Russell 2000 Value	,		-4.61		-21.12	-	-17.69	-	4.72		2.87		7.94
eA US Small Cap Value Equity			-4.64		-19.73		-14.13		6.13		4.34		9.64
TimesSquare (04/09) ²	23,972	3.89											
Russell 2500 Growth			-0.12		-29.54		-29.39		4.76		6.30		10.30
Non-US Equity (06/00)	131,818	21.41	-9.03		-29.84		-27.74		1.42		1.92		5.74
MSCI ACWI ex US	,		-9.80		-26.18		-24.79		-1.07		-0.34		3.48
International Developed Market	111,372	18.09			20110		/						01.0
Artisan International Value (05/10)	40.349		0 / 0	58	01.00	13	17.24	,	3.93		2.51	11	7.67
MSCI EAFE	40,347	6.55	-9.62 -9.29	30	-21.08 -26.76	13	-17.34 -24.75	6		4		11	7.67 4.15
									-1.38		-0.36		
eA EAFE All Cap Equity			-9.24		-27.19		-25.37		-0.79		-0.27		4.69

For the Periods Ending September 30, 2022

Rates of Return Summary & Universe Rankings

	Market Value (\$000s)	Actual Allocation (%)	FYTD (%)	Rank	YTD (%)	Rank	1 Year (%)	Rank	3 Years (%)	Rank	5 Years (%)	Rank	10 Years (%)
Ninety One International Dynamic Fund (03/15)	36,773	5.97	-9.23	41	-29.34	64	-28.16	69	0.30	43	0.27	49	
MSCI ACWI ex US			-9.80		-26.18		-24.79		-1.07		-0.34		3.48
eA ACWI ex-US Core Equity			-9.42		-28.00		-25.91		-0.01		0.22		4.75
WCM Focused Int'l Growth (03/15)	34,251	5.56	-7.11	15	-36.15	60	-32.53	44	3.70	21	6.42	5	
MSCI ACWI ex US			-9.80		-26.18		-24.79		-1.07		-0.34		3.48
eA ACWI ex-US Growth Equity			-8.60		-35.02		-33.31		0.39		1.72		5.96
Emerging Markets Equity (03/15)	20,446	3.32	-10.60		-34.24		-35.41		-5.85		-3.90		
MSCI Emerging Markets			-11.42		-26.89		-27.80		-1.71		-1.44		1.42
Harding Loevner Emerging Markets (03/15)	20,446	3.32	-10.60	55	-34.24	93	-35.41	93	-5.85	97	-3.90	96	
MSCI Emerging Markets			-11.42		-26.89		-27.80		-1.71		-1.44		1.42
eA Global Emerging Mkts Equity			-10.22		-27.07		-27.60		-0.93		-0.90		2.36
Global Long/Short Equity (09/11) ³	50,913	8.27	-1.09		-20.00		-21.38		2.27		2.93		4.48
MSCI ACWI			-6.71		-25.34		-20.29		4.23		4.96		7.84
HFRI FOF: Strategic			-1.94		-14.18		-13.75		2.98		2.01		3.26
Fixed Income (06/03)	131,736	21.39	-3.15		-11.15		-11.16		-0.65		1.29		2.27
Bloomberg US Aggregate			-4.75		-14.61		-14.60		-3.26		-0.27		0.89
JP Morgan Fixed Income (06/91)	41,025	6.66	-4.14	24	-13.23	17	-13.31	17	-2.21	24	0.57	22	1.58
Bloomberg US Aggregate			-4.75		-14.61		-14.60		-3.26		-0.27		0.89
eA US Core Fixed Income			-4.49		-14.38		-14.36		-2.68		0.23		1.40
Amundi Pioneer Core Plus Bond Fund (11/11)	42,827	6.95	-3.86	22	-13.78	19	-13.63	17	-0.76	15	1.04	21	2.54
Bloomberg Universal			-4.45		-14.90		-14.92		-3.11		-0.18		1.17
eA US Core Plus Fixed Income			-4.30		-14.93		-14.83		-2.37		0.49		1.88
BlackRock Strategic Income Opportunities (07/17)	47,883	7.78	-1.64	49	-6.69	30	-6.75	27	1.36	17	2.32	11	
Bloomberg US Aggregate			-4.75		-14.61		-14.60		-3.26		-0.27		0.89
US T-Bills 30 Day + 4.0%			1.46		3.59		4.63		4.52		5.11		4.64
eA Global Unconstrained Fixed Income			-1.86		-10.62		-10.36		-0.71		1.09		1.97

For the Periods Ending September 30, 2022

Rates of Return Summary & Universe Rankings

	Market Value (\$000s)	Actual Allocation (%)	FYTD (%)		YTD (%)	Rank	1 Year (%)	Rank	3 Years (%)	Rank	5 Years (%)	Rank	10 Years (%)
Real Assets (09/11)	72,807	11.82	-0.92		9.99		18.67		11.98		10.06		11.57
NCREIF Property			0.57	(9.35		16.08		9.92		8.62		9.48
JP Morgan Special Situation Property (02/07)	25,072	4.07	-3.41		6.71		14.79		11.75		10.74		13.00
NFI ODCE Net			0.35	12	2.40		21.01		11.39		9.27		9.92
JP Morgan Strategic Property (05/07)	34,672	5.63	-1.27	10	0.11		19.06		11.39		9.18		10.44
NFI ODCE Net			0.35	12	2.40		21.01		11.39		9.27		9.92
Clarion Lion Industrial Trust (07/22)	13,063	2.12	5.25										
NFI ODCE Net			0.35	12	2.40		21.01		11.39		9.27		9.92
Cash and Equivalents (09/11)	31,335	5.09	0.40	(0.52		0.52		0.43		0.94		0.56

For the Periods Ending September 30, 2022

Notes:

¹ Policy Index: Effective October 2021, the index consists of 70.00% MSCI ACWI, 20.00% Bloomberg US Aggregate, 10.00% NCREIF Property.

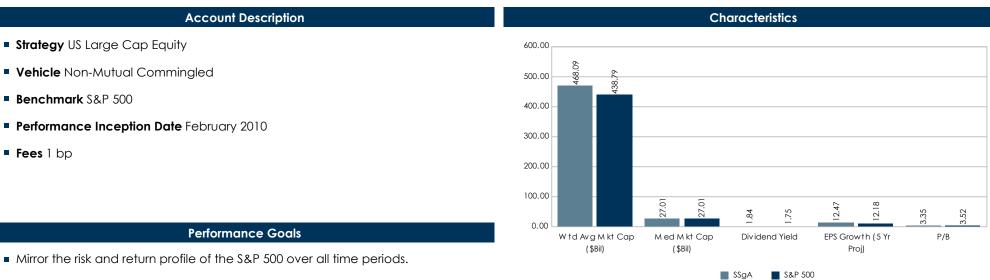
² Manager is in liquidation.

³ Performance is net of manager fees.

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Balanced Fund Managers

SSgA S&P 500 Non-Lending



YTD

226,013

-32,305

-49,519

144,189

For the Periods Ending September 30, 2022

Dollar Growth Summary (\$000s)

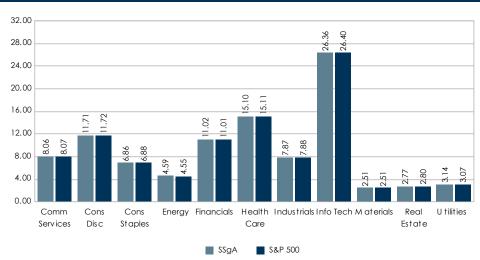
3 Months

-104

-7,403

144,189

151,697



Sector Allocation

Characteristic and allocation charts represents data of the State Street S&P 500 Flagship Non-Lending Fund (Non-Mutual Commingled).

Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Beginning Market Value

Net Additions

Ending Market Value

Return on Investment

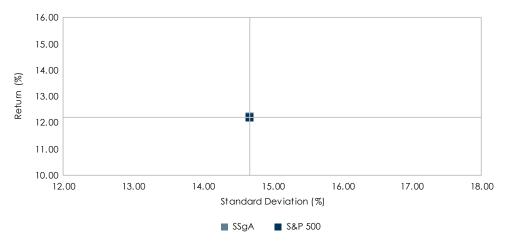
SSgA S&P 500 Non-Lending

For the Periods Ending September 30, 2022

Risk / Return Since Feb 2010



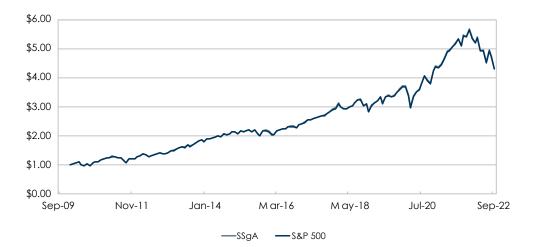
Return Analysis Since Feb 2010



	SSgA	S&P 500
Return (%)	12.22	12.19
Standard Deviation (%)	14.68	14.67
Sharpe Ratio	0.80	0.80

rk Relative Statistics
1.00
100.00
0.03
0.04
59.87
100.12
99.97

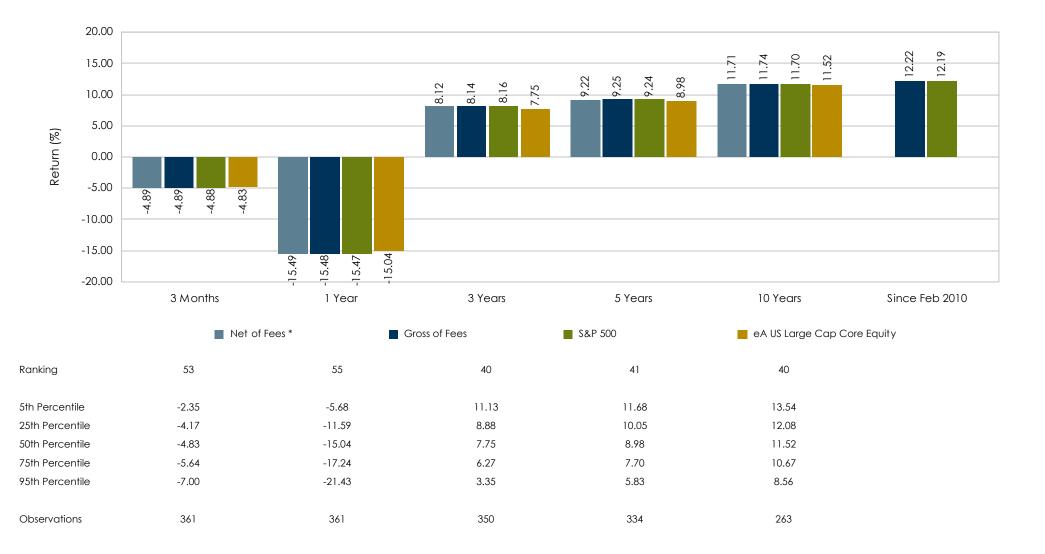
Growth of a Dollar Since Feb 2010



	SSgA	S&P 500
Number of Months	152	152
Highest Monthly Return (%)	12.82	12.82
Lowest Monthly Return (%)	-12.37	-12.35
Number of Positive Months	105	105
Number of Negative Months	47	47
% of Positive Months	69.08	69.08

SSgA S&P 500 Non-Lending

For the Periods Ending September 30, 2022



River Road Small Cap Value

For the Periods Ending September 30, 2022

Account Description Characteristics Strategy US Small/Mid Cap Value 14.00 53 Vehicle Separately Managed Account 12.00 99 _ 0.09 õ Benchmark Russell 2000 Value 10.00 8.16 8.00 Performance Inception Date April 2016 6.00 • Fees First \$10M at 95 bps; next \$15M at 90 bps; next \$25M at 85 bps 4.00 2.36 ω 2 , ~i 2.00 Ñ. 0.00 **Performance Goals** Wtd Avg Mkt Cap Med Mkt Cap (\$Bil) Dividend Yield P/E (1 Yr Trailing) EPS Growth (5 Yr (\$Bil) Proj)

- Outperform the Russell 2000 Value over a complete market cycle (typically 3 to 5 years).
- Rank above median in the eA US Small Cap Value Equity universe over a complete market cycle (3 to 5 years).

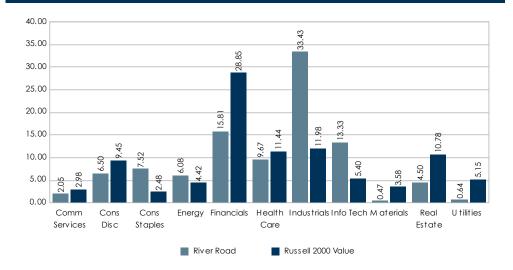
Dollar Growth Summary (\$000s)

	3 Months	YTD
Beginning Market Value	35,397	40,076
Net Additions	-5,779	-5,996
Return on Investment	-605	-5,068
Income	96	261
Gain/Loss	-701	-5,328
Ending Market Value	29,012	29,012

Sector Allocation

Russell 2000 Value

River Road

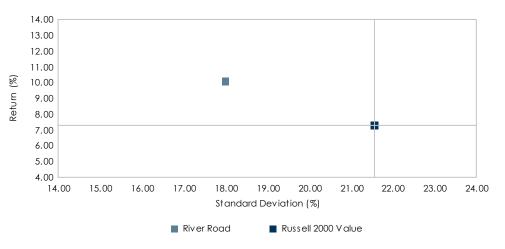


Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

River Road Small Cap Value

For the Periods Ending September 30, 2022

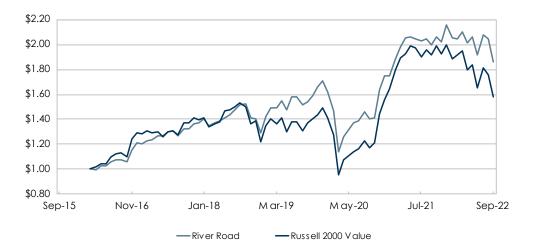
Risk / Return Since Apr 2016



		Russell
	River Road	2000 Value
Return (%)	10.05	7.26
Standard Deviation (%)	17.99	21.57
Sharpe Ratio	0.51	0.29

Benchmark Relative Statistics			
Beta	0.80		
R Squared (%)	92.25		
Alpha (%)	3.80		
Tracking Error (%)	6.59		
Batting Average (%)	55.13		
Up Capture (%)	83.09		
Down Capture (%)	78.14		

Growth of a Dollar Since Apr 2016



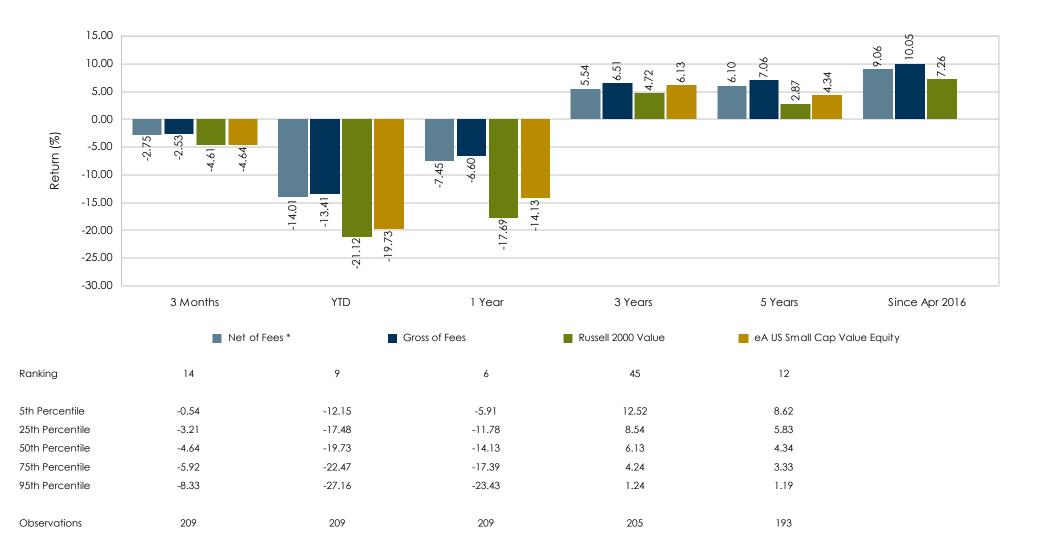
		Russell
	River Road	2000 Value
Number of Months	78	78
Highest Monthly Return (%)	15.86	19.31
Lowest Monthly Return (%)	-22.26	-24.67
Number of Positive Months	48	52
Number of Negative Months	30	26
% of Positive Months	61.54	66.67

Return Analysis Since Apr 2016

Portfolio Statistics Since Apr 2016

River Road Small Cap Value

For the Periods Ending September 30, 2022



Artisan International Value

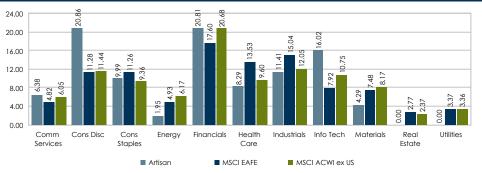
For the Fendas Ending September 30, 2022				
Account Description	Characteristics			
Strategy Int'l Developed Markets Equity	80.00			
Vehicle Mutual Fund: Institutional Class (APHKX)				
Benchmarks MSCI EAFE and MSCI ACWI ex US	40.00			
Performance Inception Date May 2010	20.00 66 748 66 748 70 70 70 70 70 70 70 70 70 70 70 70 70			
Expense Ratio 102 bps	10.00 0.00 Wtd Avg Mkt Cap (\$Bil) P/E (1 Yr Trailing) EPS Growth (5 Yr Proj) P/B			
	Avg Miki Cup (36) P/E (1 fri induing) EPS Growin (3 fri Proj) P/B Artisan MSCI EAFE MSCI ACWI ex US			

For the Periods Ending September 30, 2022

Performance Goals

- Exceed the returns of the MSCI EAFE over a complete market cycle (3 to 5 years).
- Rank above the median in the eA EAFE All Cap Equity universe over a complete market cycle (3 to 5 years).

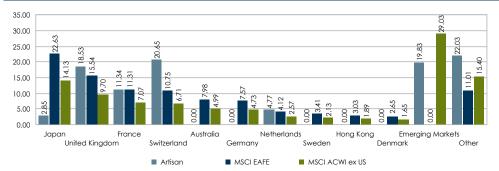
Sector Allocation



Net Dollar Growth Summary (\$000s)

Beginning Market Value	3 Months 44,761	YTD 51,520
Net Additions	0	0
Return on Investment	-4,412	-11,171
Ending Market Value	40,349	40,349

Country Allocation



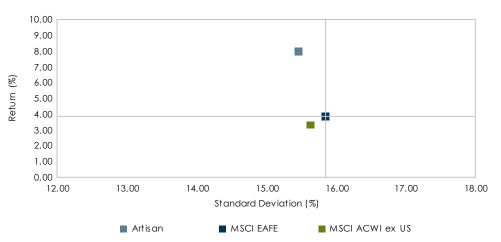
Characteristic and allocation charts represents data of the Artisan International Value (Mutual Fund: Institutional Class: APHKX).

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Artisan International Value

For the Periods Ending September 30, 2022

Risk / Return Since May 2010



			MSCI
	Artisan	MSCI EAFE	ACWI ex US
Return (%)	7.97	3.86	3.31
Standard Deviation (%)	15.46	15.85	15.63
Sharpe Ratio	0.48	0.21	0.18

Portfolio Statistics Since May 2010

Benchmark Relative Statistics			
Beta	0.93	0.94	
R Squared (%)	90.08	89.73	
Alpha (%)	4.30	4.79	
Tracking Error (%)	5.01	5.05	
Batting Average (%)	57.05	57.05	
Up Capture (%)	100.68	104.81	
Down Capture (%)	84.11	84.95	

Growth of a Dollar Since May 2010

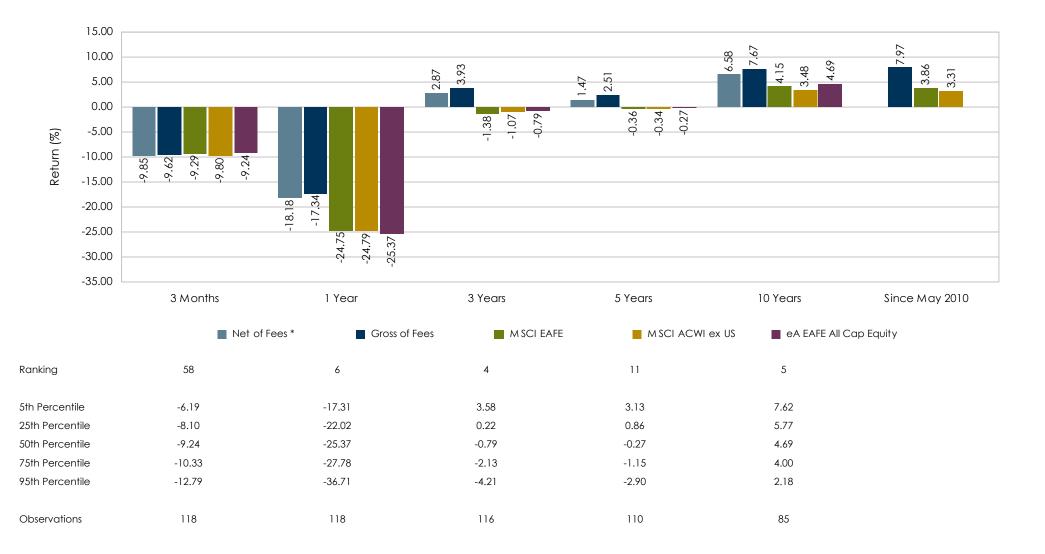


Return Analysis Since May 2010

			MSCI
	Artisan	MSCI EAFE	ACWI ex US
Number of Months	149	149	149
Highest Monthly Return (%)	16.60	15.51	13.46
Lowest Monthly Return (%)	-19.43	-13.25	-14.40
Number of Positive Months	85	82	85
Number of Negative Months	64	67	64
% of Positive Months	57.05	55.03	57.05

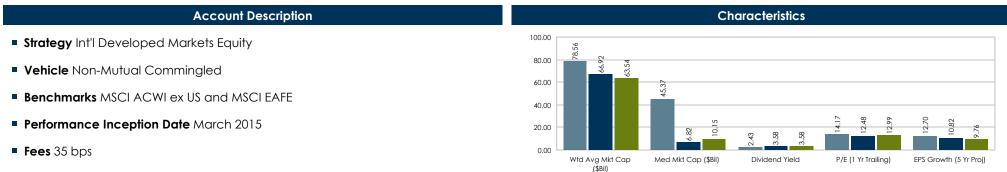
Artisan International Value

For the Periods Ending September 30, 2022



Ninety One International Dynamic Fund

For the Periods Ending September 30, 2022



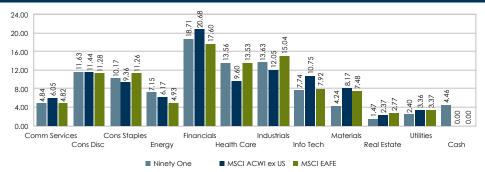
Performance Goals

- Exceed the returns of the MSCI ACWI ex US over a complete market cycle (3 to 5 years).
- Rank above the median in the eA ACWI ex-US Core Equity universe over a complete market cycle (3 to 5 years).

Sector Allocation

MSCI ACWI ex US MSCI EAFE

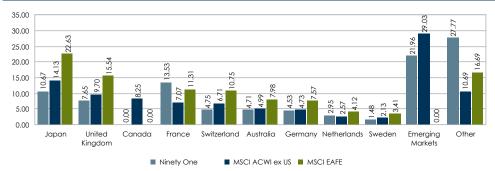
Ninety One



Dollar Growth Summary (\$000s)

	3 Months	YTD
Beginning Market Value	40,599	52,437
Net Additions	-90	-339
Return on Investment	-3,736	-15,326
Ending Market Value	36,773	36,773

Country Allocation



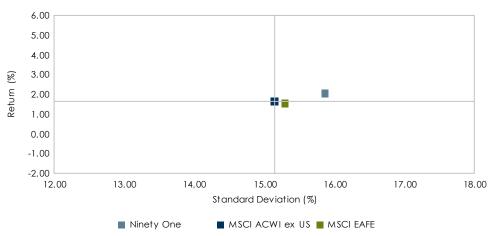
Characteristic and allocation charts represents data of the Investec International Dynamic Equity (Non-Mutual Commingled).

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Ninety One International Dynamic Fund

For the Periods Ending September 30, 2022

Risk / Return Since Mar 2015



	Ninety One	MSCI ACWI ex US	MSCI EAFE
Return (%)	2.06	1.63	1.55
Standard Deviation (%)	15.87	15.14	15.30
Sharpe Ratio	0.08	0.05	0.05
	Benchmark Relative Stat	istics	
Beta		1.00	0.98
R Squared (%)		91.82	89.54
Alpha (%)		0.53	0.65
Tracking Error (%)		4.54	5.14
Batting Average (%)		53.85	56.04
Up Capture (%)		102.63	100.13

Portfolio Statistics Since Mar 2015

Growth of a Dollar Since Mar 2015



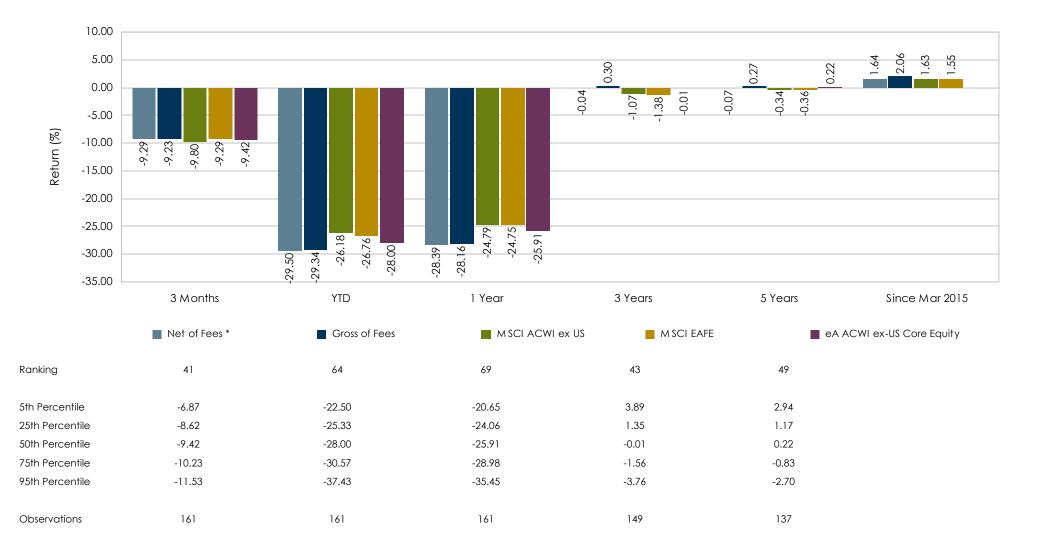
Return Analysis Since Mar 2015

	MSCI		
	Ninety One	ACWI ex US	MSCI EAFE
Number of Months	91	91	91
Highest Monthly Return (%)	12.16	13.46	15.51
Lowest Monthly Return (%)	-16.64	-14.40	-13.25
Number of Positive Months	52	52	50
Number of Negative Months	39	39	41
% of Positive Months	57.14	57.14	54.95

Statistics are calculated using monthly return data. © 2022 Asset Consulting Group All Rights Reserved

Ninety One International Dynamic Fund

For the Periods Ending September 30, 2022



WCM Focused Int'l Growth

For the Fenods Ending September 30, 2022		
Account Description	Characteristics	
Strategy Int'l Developed Markets Equity	100.00	
Vehicle Non-Mutual Commingled	00.08	
Benchmarks MSCI ACWI ex US and MSCI EAFE	40.00 - R	
Performance Inception Date March 2015	70.00 10.12 10.15 10.12 10.12 9.76 10.82 58 58 5	
Fees 70 bps	0.00 Wtd Avg Mkt Cap Med Mkt Cap (\$Bil) Dividend Yield P/E (1 Yr Trailing) EPS Growth (5 Yr Proj) (\$Bil)	

For the Periods Ending September 30, 2022

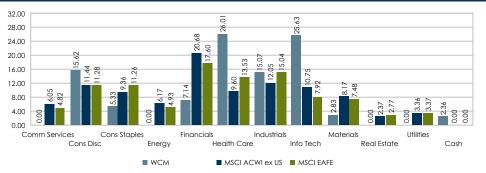
Performance Goals

- Exceed the returns of the MSCI ACWI ex US over a complete market cycle (3 to 5 years).
- Rank above the median in the eA ACWI ex-US Growth Equity universe over a complete market cycle (3 to 5 years)

Sector Allocation

MSCI ACWI ex US MSCI EAFE

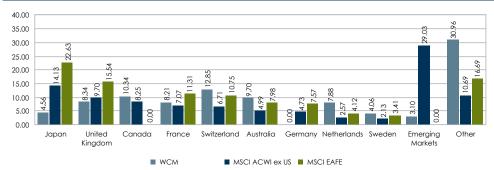
WCM



Dollar Growth Summary (\$000s)

	3 Months	YTD
Beginning Market Value	36,936	53,952
Net Additions	-65	-238
Return on Investment	-2,621	-19,464
Ending Market Value	34,251	34,251

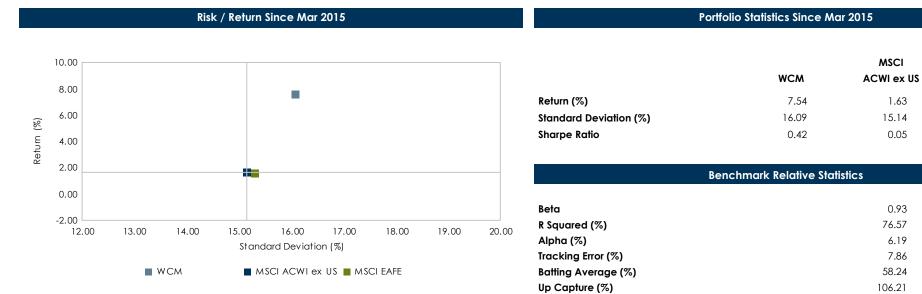
Country Allocation



WCM Focused Int'l Growth

For the Periods Ending September 30, 2022

Down Capture (%)



Growth of a Dollar Since Mar 2015



	MSCI		
	WCM	ACWI ex US	MSCI EAFE
Number of Months	91	91	91
Highest Monthly Return (%)	11.94	13.46	15.51
Lowest Monthly Return (%)	-12.87	-14.40	-13.25
Number of Positive Months	58	52	50
Number of Negative Months	33	39	41
% of Positive Months	63.74	57.14	54.95

Return Analysis Since Mar 2015

Statistics are calculated using monthly return data. © 2022 Asset Consulting Group All Rights Reserved MSCI EAFE

1.55

15.30

0.05

0.93

77.64

6.26

7.69

60.44

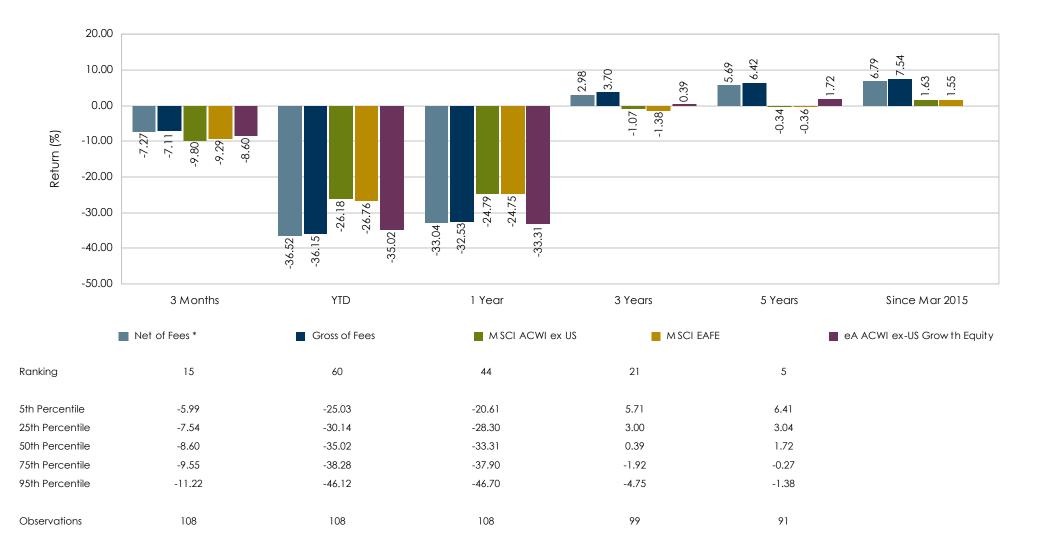
107.14

81.28

80.72

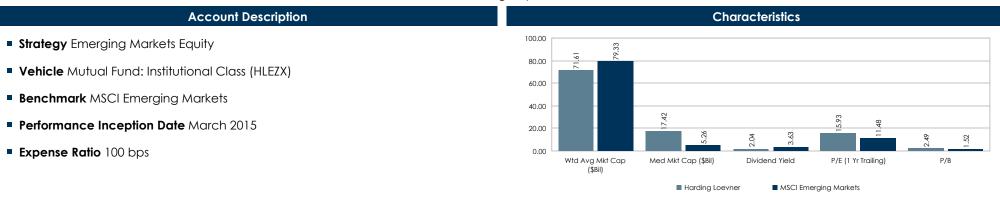
WCM Focused Int'l Growth

For the Periods Ending September 30, 2022



Harding Loevner Emerging Markets

For the Periods Ending September 30, 2022



YTD

31,324

-10,695

20,446

-184

Performance Goals

- Exceed the returns of the MSCI Emerging Markets over a complete market cycle (3 to 5 years).
- Rank above the median in the eA Global Emerging Mkts Equity universe over a complete market cycle (3 to 5 years).

Dollar Growth Summary (\$000s)

3 Months

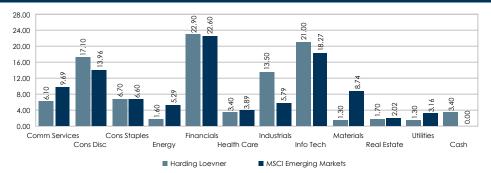
22,927

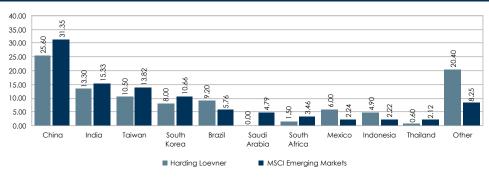
-2,426

20,446

-55

Sector Allocation





Country Allocation

Beginning Market Value

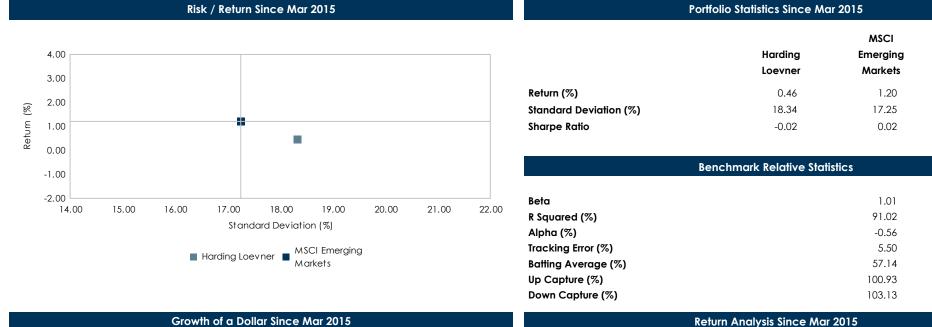
Net Additions

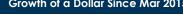
Ending Market Value

Return on Investment

Harding Loevner Emerging Markets

For the Periods Ending September 30, 2022



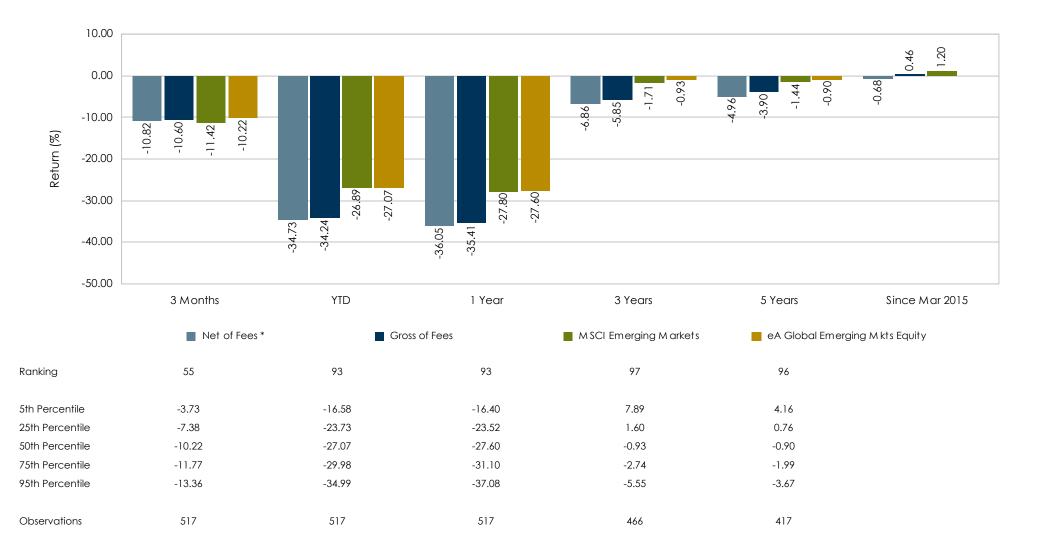




	Harding Loevner	MSCI Emerging Markets
Number of Months	91	91
Highest Monthly Return (%)	12.53	13.26
Lowest Monthly Return (%)	-19.96	-15.38
Number of Positive Months	53	50
Number of Negative Months	38	41
% of Positive Months	58.24	54.95

Harding Loevner Emerging Markets

For the Periods Ending September 30, 2022



diversified across geographies, sectors and market caps. The composite transitioned from a fund of funds strategy to a number of direct strategies in

Performance and statistics on the following Global Long/Short pages are

Global Long/Short Equity

For the Periods Ending September 30, 2022

Account Description	Performance Goals
Strategy Global Long/Short Equity	Approximate the return of the MSCI All Country World Index with 2/3 of the risk
Benchmark MSCI ACWI	over longer-term time periods (greater than 5 years).
This composite includes a combination of equity long/short managers that are	

Net Dollar Growth Summary (\$000s)

Beginning Market Value	3 Months 54,405	YTD 67,573
Net Additions	-2,982	-3,292
Return on Investment	-509	-13,367
Ending Market Value	50,913	50,913



— Global Long/Short * — MSCI ACWI

* Performance is calculated using net of fee returns.

February 2014.

presented net of fees.

Growth of a Dollar

Global Long/Short Equity

										Return (%)	Std Dev (%)	Sharpe Ratio
			Perf	ormance Returns					3 Months			
	15.00							Global Long/Short *		-1.12		
						66.		MSCI ACWI		-6.71		
	10.00			15 4.23 98	72 4.96)1	4.01	8	HFRI FOF: Strategic		-1.94		
	5.00			2.15	2.72	4	2.92					
	0.00											
(%)	-5.00	-1.12							1 Year			
Return (%)	-10.00							Global Long/Short *		-21.47	12.19	-1.81
	-15.00	Ŷ						MSCI ACWI		-20.29	19.12	-1.09
			-13.75					HFRI FOF: Strategic		-13.75	7.40	-1.94
	-20.00											
	-25.00		-21.47									
	-30.00	3 M onths	1 Year		E Vo oro	Cinco Con (2011		3 Years			
		3 M ONT IS	i tear	3 Years	5 Years	Since Sep 2	2011	Global Long/Short *		2.15	13.68	0.12
								MSCI ACWI		4.23	19.40	0.19
			Cale	ndar Year Returns				HFRI FOF: Strategic		2.98	10.25	0.24
								1				
	40.00											
	30.00	4		.62	7.30	4.82			5 Years			
	30.00	23.4		24.	27	\sim	64	Global Long/Short *	o reals	2.72	11.71	0.14
	20.00	16.80 13.82 .53		n N	18.15	16.82	19.04	MSCI ACWI		4.96	17.15	0.23
(%)				.48 11.95 11.23	10.51		_	HFRI FOF: Strategic		2.01	8.68	0.11
Return (%)	10.00		77 4.71 .07 68	mi internet interne			6.24					
Rei		5.7	1.77 4.7 3.07 1.68	2.57		1.04						
	0.00		1.84	-0.05					o' o oo11			
	-10.00		-1.84	p P	57 67			Global Long/Short *	Since Sep 2011	4.01	8.83	0.39
					-6.57 -6.67			MSCI ACWI		7.99	14.53	0.51
	-20.00							HFRI FOF: Strategic		2.92	6.83	0.35
		2012 2013	2014 2015	2016 2017	2018 2019	2020	2021			,_	2,00	2.50

For the Periods Ending September 30, 2022

* Performance is calculated using net of fee returns.

Statistics are calculated using monthly return data. © 2022 Asset Consulting Group All Rights Reserved

Global Long/Short Equity

Monthly Returns (%)	Sep 22	Aug 22	Jul 22	Jun 22	May 22	Apr 22	Mar 22	Feb 22	Jan 22	Dec 21	Nov 21	Oct 21
Global Long/Short Equity *	-4.90	-0.57	4.57	-4.53	-4.19	-5.89	-0.71	1.45	-6.76	1.42	-3.56	0.44
MSCIACWI	-9.53	-3.64	7.02	-8.39	0.19	-7.97	2.22	-2.55	-4.89	4.03	-2.38	5.13
HFRI FOF: Strategic	-3.75	0.31	1.57	-1.72	-2.17	-3.07	-0.10	-1.26	-4.80	0.15	-1.95	2.34

											Per	formanc	e Stats (120 Mon	ths)
Calendar Year Returns (%)	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	Pos.	Neg.	Best	Worst	Med.
Global Long/Short Equity *	1.04	24.82	18.15	-6.57	11.95	2.57	1.68	1.77	13.82	2.26	76	44	9.45	-7.35	0.64
MSCI ACWI	19.04	16.82	27.30	-8.93	24.62	8.48	-1.84	4.71	23.44	16.80	79	41	12.36	-13.44	1.30
HFRI FOF: Strategic	6.24	14.61	10.51	-6.67	11.23	-0.05	-0.55	3.07	10.53	5.79	73	47	5.52	-9.70	0.54

Statistics	Return (%)	Standard Deviation (%)	Sharpe Ratio	Beta	R2 (%)	Alpha (%)	Tracking Error (%)	Batting Average (%)	Up Capture (%)	Down Capture (%)
				1 Year						
Global Long/Short Equity *	-21.47	12.19	-1.81							
MSCI ACWI	-20.29	19.12	-1.09	0.50	62.66	-12.04	12.04	41.67	6.71	67.17
HFRI FOF: Strategic	-13.75	7.40	-1.94	1.42	74.15	-2.71	6.93	25.00	133.71	148.53
				3 Years						
Global Long/Short Equity *	2.15	13.68	0.12							
MSCI ACWI	4.23	19.40	0.19	0.61	73.83	-0.61	10.37	41.67	48.58	62.84
HFRI FOF: Strategic	2.98	10.25	0.24	1.19	79.60	-1.09	6.48	47.22	124.31	127.50
				5 Years						
Global Long/Short Equity *	2.72	11.71	0.14							
MSCI ACWI	4.96	17.15	0.23	0.60	76.12	-0.40	8.99	40.00	48.98	60.96
HFRI FOF: Strategic	2.01	8.68	0.11	1.21	80.18	0.50	5.52	55.00	130.14	121.41
			Sinc	e Inception						
Global Long/Short Equity *	4.01	8.83	0.39							
MSCI ACWI	7.99	14.53	0.51	0.48	62.27	0.12	9.30	40.60	43.10	51.31
HFRI FOF: Strategic	2.92	6.83	0.35	1.11	73.20	0.88	4.63	56.39	118.60	108.13

* Performance and statistics are presented net of fees.

JP Morgan Fixed Income

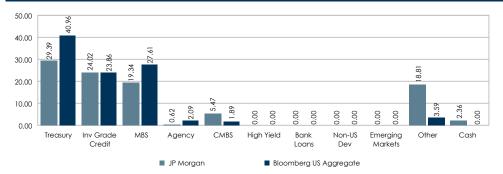
Account Description Characteristics 10.00 Strategy US Investment Grade 8.52 98 8.00 Vehicle Non-Mutual Commingled 6.20 5.94 8 6.00 Performance Inception Date June 1991 4 00 28 Benchmark Bloomberg US Aggregate 2.00 0.00 Avg Maturity (yrs) YTM (%) Eff Duration (yrs) Avg Cpn (%) JP Morgan Bloomberg US Aggregate

For the Periods Ending September 30, 2022

Performance Goals

- Exceed the returns of the Bloomberg US Aggregate over a complete market cycle (3 to 5 years).
- Rank above median in the eA US Core Fixed Income universe over a complete market cycle (3 to 5 years).

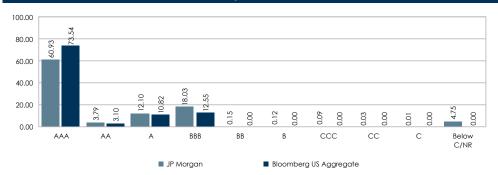
Sector Allocation



Dollar Growth Summary (\$000s) 3 Months YTD 42.874 **Beginning Market Value** 47,567 Net Additions -76 -269 -1,772 -6,273 Return on Investment Income 331 916 -2.103-7,189 Gain/Loss 41,025 **Ending Market Value** 41,025

Characteristic and allocation charts represents data of the JPMorgan Core Bond Trust (Non-Mutual Commingled). The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

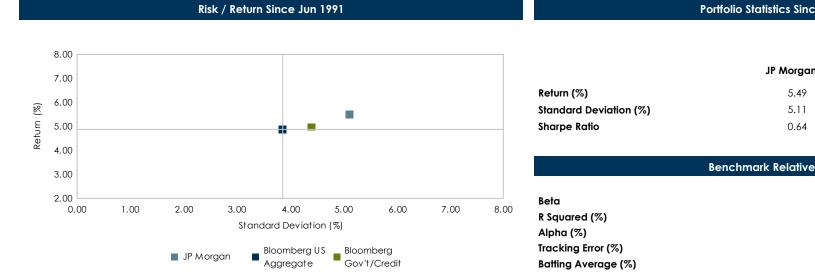
Quality Allocation



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• Fees 30 bps

JP Morgan Fixed Income



For the Periods Ending September 30, 2022

Down Capture (%)

Portfolio Statistics Since Jun 1991

Bloomberg US

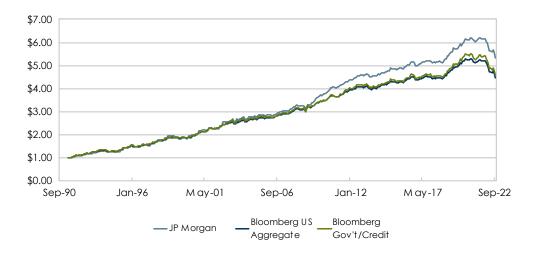
71.35

Bloombera

60.41

	JP Morgan	Aggregate	Gov't/Credit
Return (%)	5.49	4.88	4.98
Standard Deviation (%)	5.11	3.85	4.40
Sharpe Ratio	0.64	0.69	0.63
	Benchmark Relative Stat	istics	
Beta		0.79	0.69
R Squared (%)		35.76	35.36
Alpha (%)		1.65	2.07
Tracking Error (%)		4.17	4.33
Batting Average (%)		53.46	48.67
Up Capture (%)		95.41	87.05

Growth of a Dollar Since Jun 1991

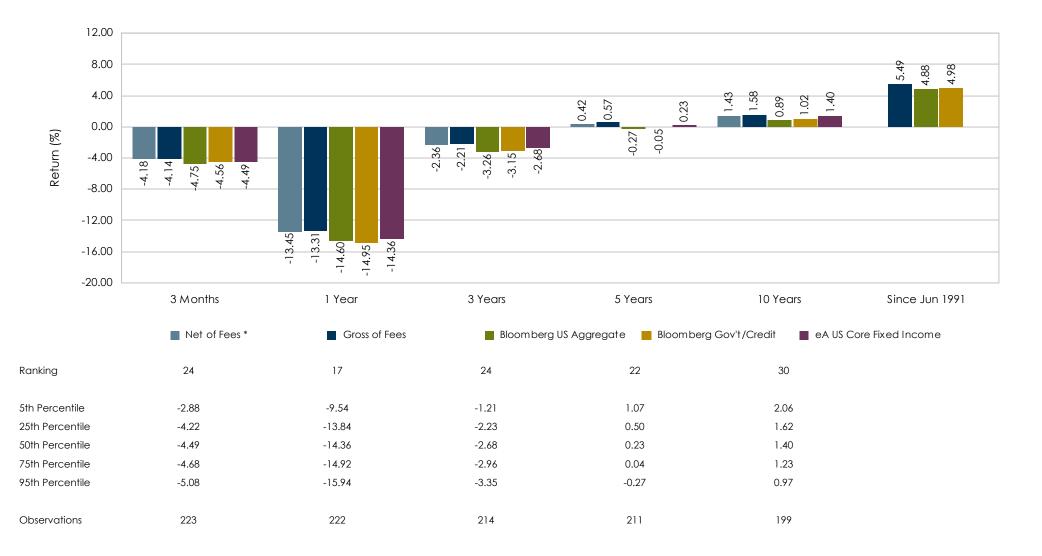


	JP Morgan	Bloomberg US Aggregate	Bloomberg Gov't/Credit
Number of Months	376	376	376
Highest Monthly Return (%)	8.30	3.87	4.53
Lowest Monthly Return (%)	-4.88	-4.32	-4.19
Number of Positive Months	282	248	243
Number of Negative Months	94	128	133
% of Positive Months	75.00	65.96	64.63

Return Analysis Since Jun 1991

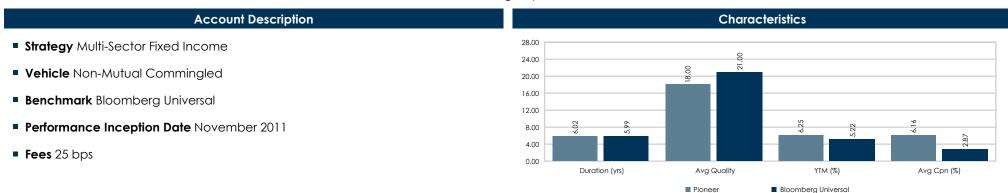
JP Morgan Fixed Income

For the Periods Ending September 30, 2022



Amundi Pioneer Core Plus Bond Fund

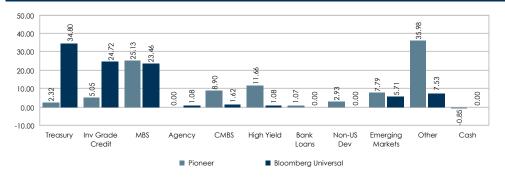
For the Periods Ending September 30, 2022



Performance Goals

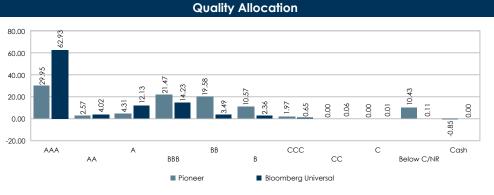
- Exceed the returns of the Bloomberg Universal over a complete market cycle (3 to 5 years).
- Rank above the median in the eA US Core Plus Fixed Income universe over a complete market cycle (3 to 5 years).

Sector Allocation



Dollar Growth Summary (\$000s)3 MonthsYTDBeginning Market Value44,54649,706Net Additions0-31Return on Investment-1,719-6,848Ending Market Value42,82742,827

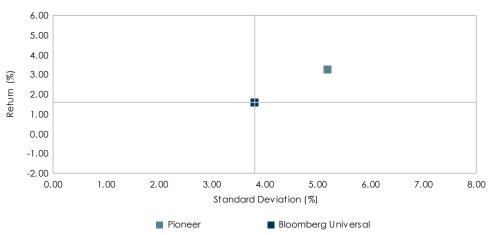
Characteristic and allocation charts represents the composite data of the Amundi\Multi-Sector Fixed Income. The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.



Amundi Pioneer Core Plus Bond Fund

For the Periods Ending September 30, 2022

Risk / Return Since Nov 2011



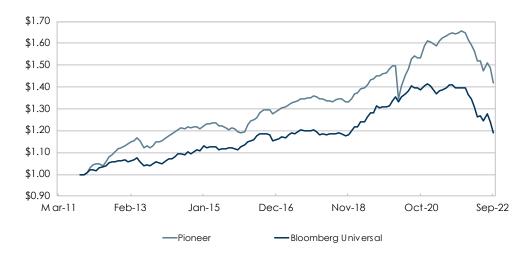
		Bloomberg
	Pioneer	Universal
Return (%)	3.26	1.59
Standard Deviation (%)	5.18	3.82
Sharpe Ratio	0.52	0.27

Portfolio Statistics Since Nov 2011

Return Analysis Since Nov 2011

Be	enchmark Relative Statistics
Beta	1.00
R Squared (%)	53.90
Alpha (%)	1.71
Tracking Error (%)	3.52
Batting Average (%)	63.36
Up Capture (%)	119.04
Down Capture (%)	86.26

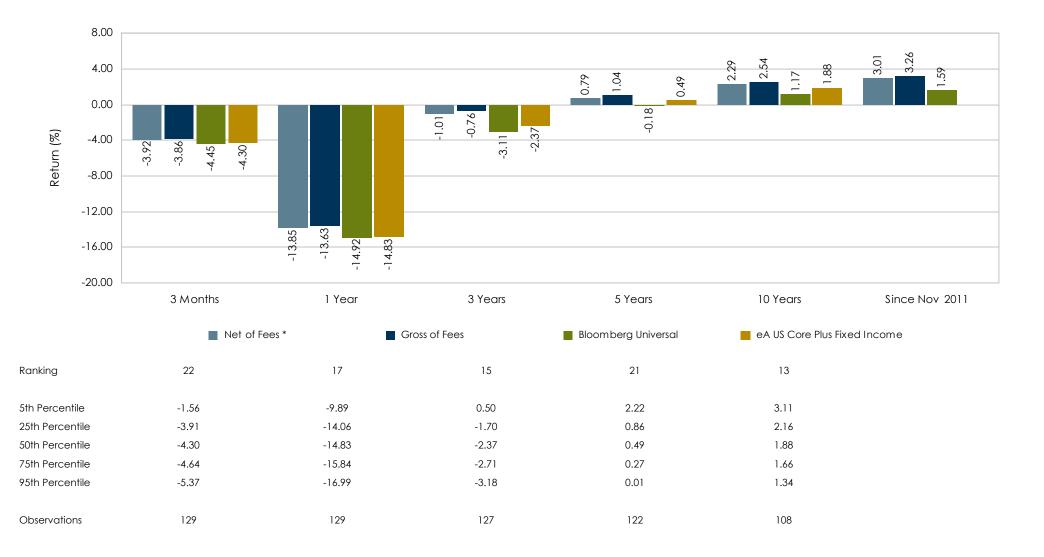
Growth of a Dollar Since Nov 2011



	Pioneer	Bloomberg Universal
Number of Months	131	131
Highest Monthly Return (%)	4.37	2.51
Lowest Monthly Return (%)	-9.88	-4.31
Number of Positive Months	90	80
Number of Negative Months	41	51
% of Positive Months	68.70	61.07

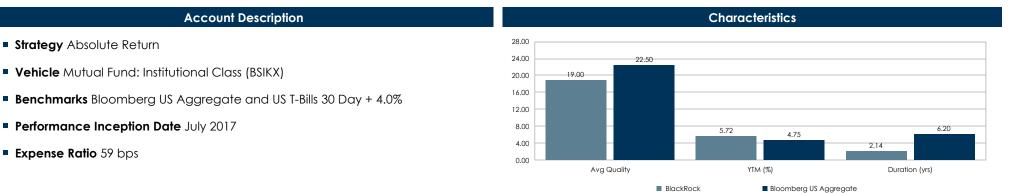
Amundi Pioneer Core Plus Bond Fund

For the Periods Ending September 30, 2022



BlackRock Strategic Income Opportunities

For the Periods Ending September 30, 2022



Performance Goals

 Meet or exceed the targeted return of the Bloomberg US Aggregate over a complete market cycle (typically 3-5 years).

Dollar Growth Summary (\$000s)

3 Months

48,750

-70

-798

47,883

YTD

51,536

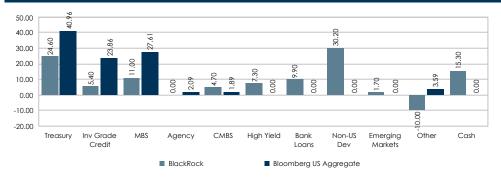
-3,441

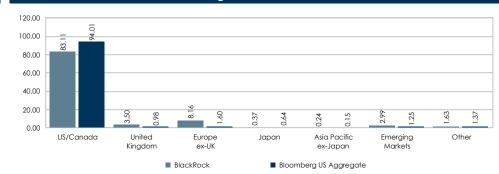
47,883

-212

 Meet or exceed the targeted return of US T-Bills + 4-6% over a complete market cycle (typically 3-5 years).

Sector Allocation





Regional Allocation

Characteristic and allocation charts represents the composite data of the BlackRock Strategic Income Opportunities.

The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

Beginning Market Value

Net Additions

Ending Market Value

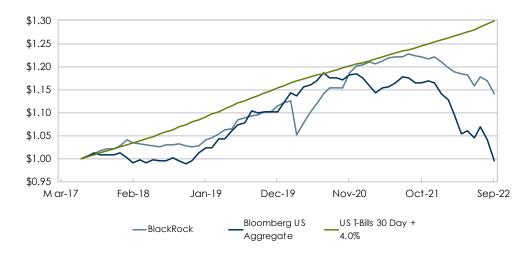
Return on Investment

BlackRock Strategic Income Opportunities

For the Periods Ending September 30, 2022



Growth of a Dollar Since Jul 2017

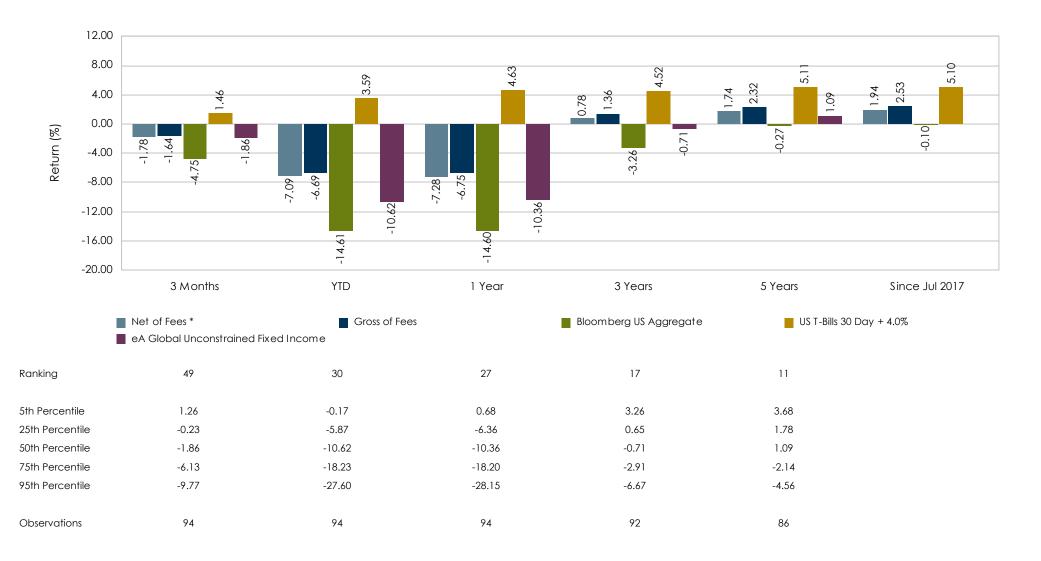


Return Analysis Since Jul 2017

	BlackRock	Bloomberg US Aggregate	US T-Bills 30 Day + 4.0%
Number of Months	63	63	63
Highest Monthly Return (%)	2.90	2.59	0.54
Lowest Monthly Return (%)	-6.59	-4.32	0.33
Number of Positive Months	42	33	63
Number of Negative Months	21	30	0
% of Positive Months	66.67	52.38	100.00

BlackRock Strategic Income Opportunities

For the Periods Ending September 30, 2022

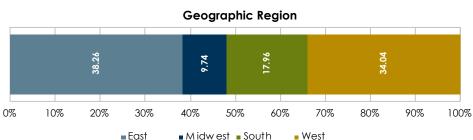


JP Morgan Special Situation Property

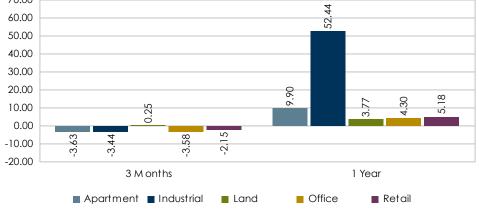
For the Periods Ending September 30, 2022

Account Description	Account Information	
Strategy Core Real Estate	Ending Market Value	\$25,072,075
Vehicle Non-Mutual Commingled	Fund Information	
Performance Inception Date February 2007	Gross Market Value	\$8,923,309,056
Benchmarks NFI ODCE Net and NCREIF Property	Net Market Value	\$4,994,094,697
Fees 125 bps of account's pro-rata share of NAV plus 62.5 bps on outstanding	Cash Balance of Fund	\$119,361,512
debt balance; fee is capped at 187.5 bps.	 Quarter Income Return (%) 	0.34
	# of Properties	86
Performance Goals	# of Participants	98
 Outperform the NFI ODCE Net by 100 basis points over 3 to 5 years. 	·	





Returns by Property Type (%)



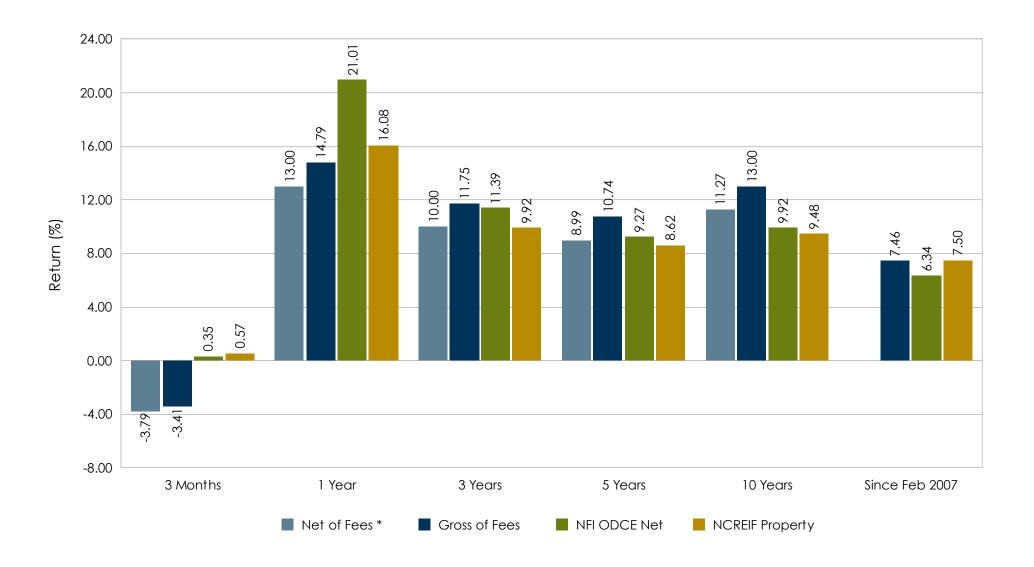
Characteristic and allocation charts represents data of the JPMCB Special Situation Property Fund (Non-Mutual Commingled).

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70.00

JP Morgan Special Situation Property

For the Periods Ending September 30, 2022



JP Morgan Strategic Property

For the Periods Ending September 30, 2022

Account Description	Account Infor	Account Information	
Strategy Core Real Estate	Ending Market Value	\$34,672,143	
Vehicle Non-Mutual Commingled	Fund Informe	Fund Information	
Performance Inception Date May 2007	Gross Market Value	\$46,924,721,469	
Benchmarks NFI ODCE Net and NCREIF Property	Net Market Value	\$35,262,292,424	
Fees 100 bps per annum on account's net asset value	Cash Balance of Fund	\$754,309,911	
	 Quarter Income Return (%) 	0.70	
	# of Properties	161	
Performance Goals	# of Participants	315	
Exceed the total return of the NFI ODCE Net.			

0%

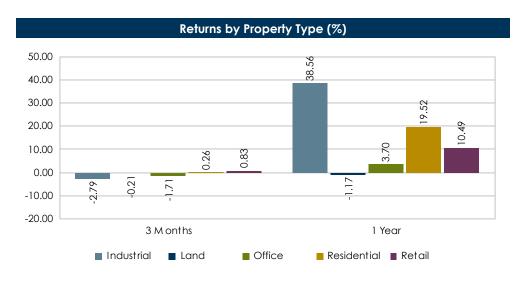
10%

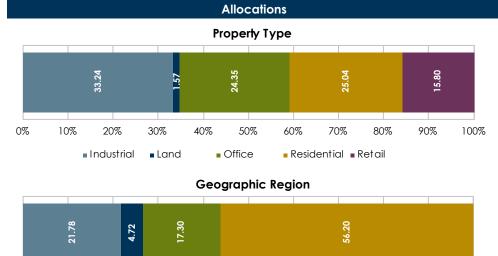
20%

30%

East

40%





50%

Midwest South

60%

70%

West

80%

90%

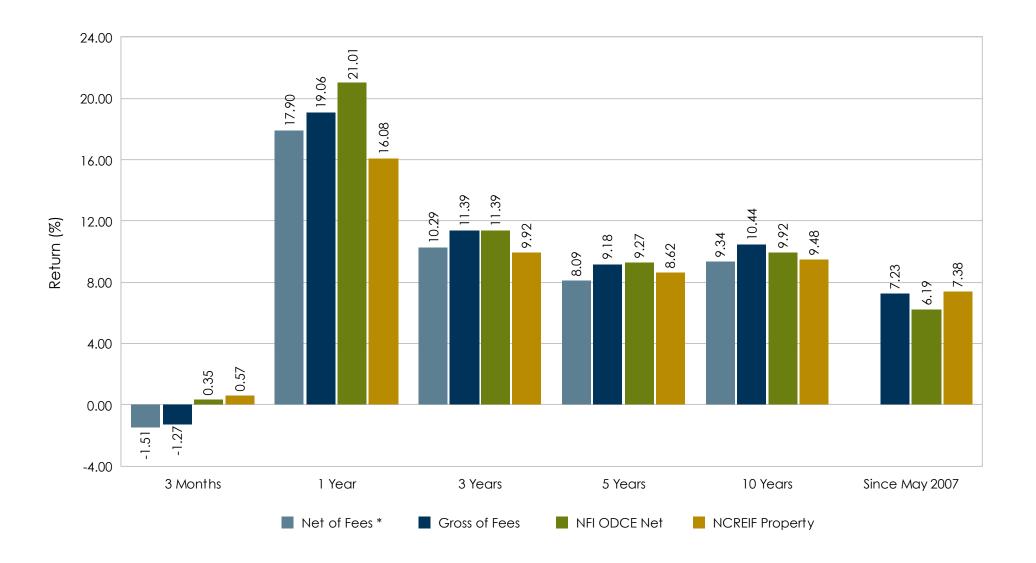
Characteristic and allocation charts represents data of the Strategic Property Fund FIV1 (Comminged Pension Fund Trust Fund) (Non-Mutual Commingled).

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100%

JP Morgan Strategic Property

For the Periods Ending September 30, 2022

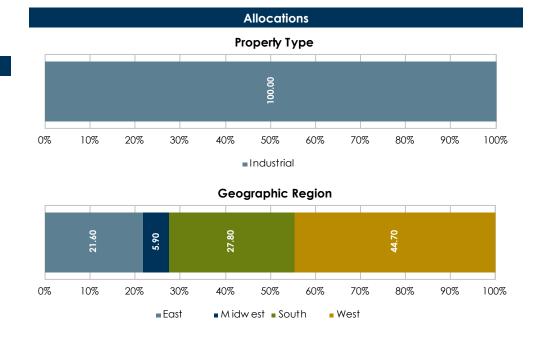


Clarion Lion Industrial Trust

For the Periods Ending September 30, 2022

Account Description	Account Information	
Strategy Core Real Estate	Ending Market Value	\$13,062,570
Vehicle Limited Partnership	Fund Inform	ation
Benchmark NFI ODCE Net	Gross Market Value	\$34,061,000,000
Performance Inception Date July 2022	Net Market Value	\$25,847,000,000
Fees 135 bps on First \$10 M of NAV; 130 bps on NAV between \$10 – \$50 M.	Cash Balance of Fund	\$613,098,000
Incentive fee: 15% over an 9% net IRR hurdle.	# of Properties	764
	# of Participants	203
Performance Goals		

- Achieve a 9.5% 11.5% internal rate of return over a complete market cycle.
- Outperform the NFI ODCE Net by 100 basis points over 3 to 5 years.



5.26

Current Quarter Returns (%)

5.00 4.50 4.52 4.00 3.00 2.00 0.75 0.81 0.52 1.00 0.35 0.00 -0.29 -1.00 -2.00 Appreciation Total-Gross Total-Net Income Clarion ■ NFI ODCE

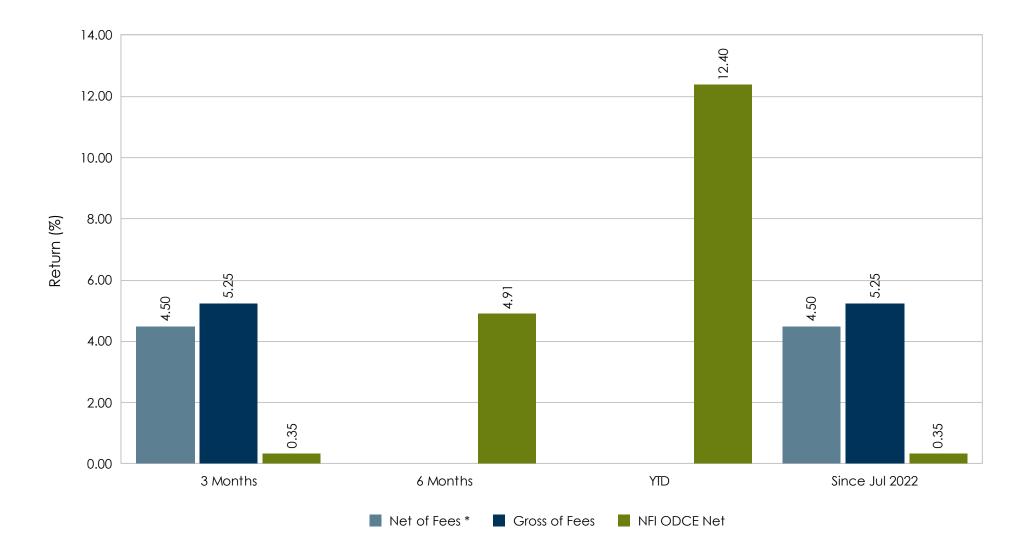
Characteristic and allocation charts represents data of the Clarion Lion Industrial Trust (Limited Partnership).

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7.00 6.00

Clarion Lion Industrial Trust

For the Periods Ending September 30, 2022



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Defined Contribution Plan Performance

Growth and Value Option

For mer chous Linaing September 50, 2022			
Manager Allocation		Portfolio Information	
Name	Market Value (\$000s)	Allocation (%)	 Large Cap Core Equity Option - Large cap equities are companies with market equitations greater than \$10 billion
Total	19,312	100.00	market capitalizations greater than \$10 billion.
Vanguard Total Stock	9,660	50.02	This option includes a combination of "growth" and "value" portfolios focused
T. Rowe Price	4,875	25.24	in the large cap asset class.
Vanguard Windsor II	4,776	24.73	Performance goals 1) to achieve returns 100 basis points in excess of the S&P
			500 index, and 2) to rank above median in a universe of large cap core

For the Periods Ending September 30, 2022

Dollar Growth Summary (\$000s)

	3 Months	YTD
Beginning Market Value	20,803	29,193
Net Additions	-639	-2,460
Return on Investment	-852	-7,422
Ending Market Value	19,312	19,312

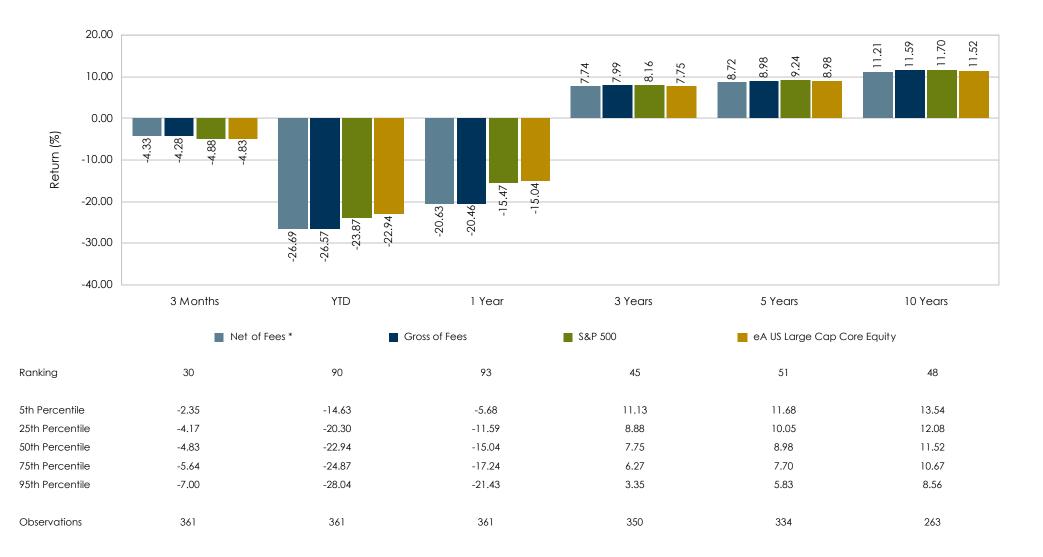
Growth of a Dollar

managers over a complete market cycle.



Growth and Value Option

For the Periods Ending September 30, 2022



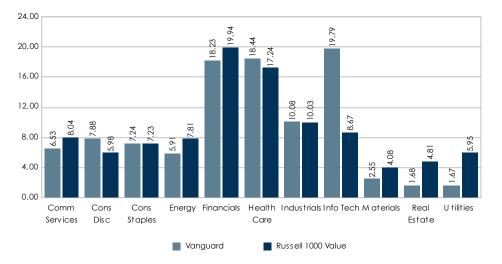
Vanguard Windsor II

Account Description Characteristics Strategy US Large Cap Value 350.00 4 293. Vehicle Mutual Fund: Institutional Class (VWNAX) 300.00 Benchmark Russell 1000 Value 250.00 200.00 Performance Inception Date June 2003 121.00 150.00 **Expense Ratio** 26 bps 100.00 50.00 3.60 9.04 2 8 2.39 2.20 2.10 0.00 **Performance Goals** Wtd Avg Mkt Cap **Dividend Yield** P/E (1 Yr Trailing) EPS Growth (5 Yr P/B (\$Bil) Proj) Russell 1000 Value Vanguard

For the Periods Ending September 30, 2022

Exceed the returns of the Russell 1000 Value over a complete market cycle (3 to 5 years).





Dollar Growth Summary (\$000s)

	3 Months	YTD
Beginning Market Value	5,439	7,295
Net Additions	-391	-1,085
Return on Investment	-272	-1,433
Ending Market Value	4,776	4,776

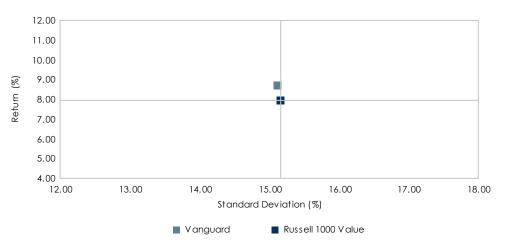
Characteristic and allocation charts represents data of the Vanguard Windsor II Admiral (Mutual Fund: Institutional Class: VWNAX).

Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Vanguard Windsor II

For the Periods Ending September 30, 2022

Risk / Return Since Jun 2003



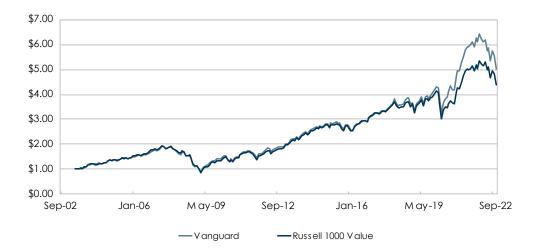
		Russell
	Vanguard	1000 Value
Return (%)	8.72	7.94
Standard Deviation (%)	15.12	15.16
Sharpe Ratio	0.50	0.45

Portfolio Statistics Since Jun 2003

Return Analysis Since Jun 2003

Benchmark Relative Statistics	
Beta	0.98
R Squared (%)	96.86
Alpha (%)	0.88
Tracking Error (%)	2.69
Batting Average (%)	54.74
Up Capture (%)	99.98
Down Capture (%)	96.45

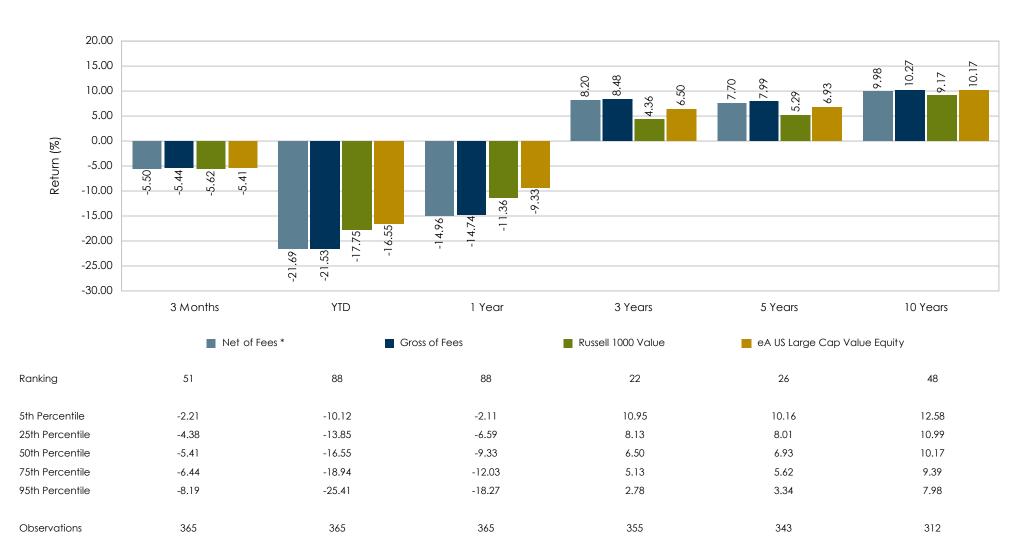
Growth of a Dollar Since Jun 2003



		Russell
	Vanguard	1000 Value
Number of Months	232	232
Highest Monthly Return (%)	13.35	13.45
Lowest Monthly Return (%)	-17.40	-17.31
Number of Positive Months	153	148
Number of Negative Months	79	84
% of Positive Months	65.95	63.79

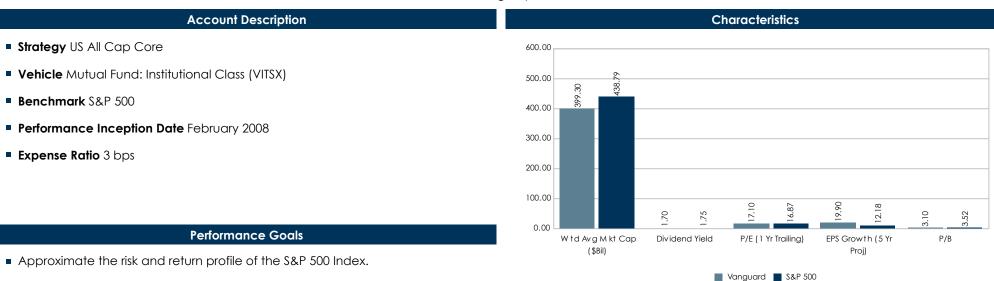
Statistics are calculated using monthly return data. © 2022 Asset Consulting Group All Rights Reserved

Vanguard Windsor II



For the Periods Ending September 30, 2022

Vanguard Total Stock



YTD

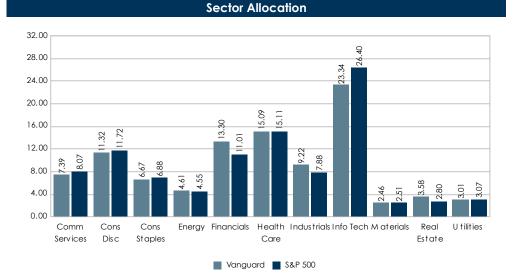
14,704

-1,620

-3,424

9,660

For the Periods Ending September 30, 2022



Characteristic and allocation charts represents data of the Vanguard Total Stock Market Index Fund (Mutual Fund: Institutional Class: VITSX).

Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Dollar Growth Summary (\$000s)

3 Months

10,507

-402

-444

9.660

Beginning Market Value

Net Additions

Ending Market Value

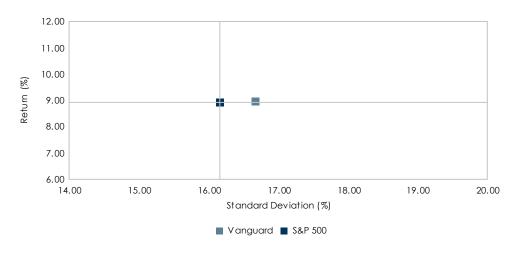
Return on Investment

Vanguard Total Stock

For the Periods Ending September 30, 2022

Risk / Return Since Feb 2008





	Vanguard	S&P 500
Return (%)	8.93	8.93
Standard Deviation (%)	16.68	16.16
Sharpe Ratio	0.50	0.52

Benchmark Relative Statistics	
1.03	
99.38	
-0.20	
1.40	
51.14	
102.56	
102.33	

Growth of a Dollar Since Feb 2008



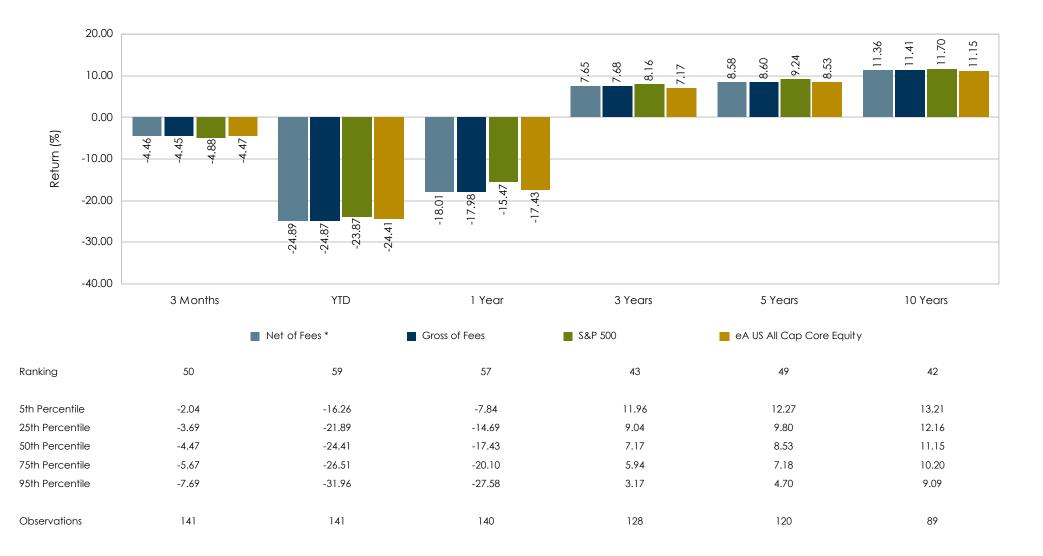
—Vanguard —S&P 500

Return Analysis Since Feb 2008

	Vanguard	S&P 500
Number of Months	176	176
Highest Monthly Return (%)	13.26	12.82
Lowest Monthly Return (%)	-17.62	-16.80
Number of Positive Months	117	118
Number of Negative Months	59	58
% of Positive Months	66.48	67.05

Vanguard Total Stock

For the Periods Ending September 30, 2022



T. Rowe Price

Account Description Characteristics Strategy US Large Cap Equity 800.00 66 5 700.00 Vehicle Mutual Fund: Institutional Class (TRLGX) 600.00 Benchmark Russell 1000 Growth 500.00 Performance Inception Date July 2021 400.00 28 Expense Ratio 55 bps 274. 300.00 200.00 100.00 7.15 5.30 5.20 8.88 28. 53 **Performance Goals** 0.00 Wtd Avg Mkt Cap (\$Bil) P/E (1 Yr Trailing) EPS Growth (5 Yr Proj) P/B Exceed the returns of the Russell 1000 Growth over a complete market cycle Russell 1000 Growth

YTD

7,194

-2,565

4,875

246

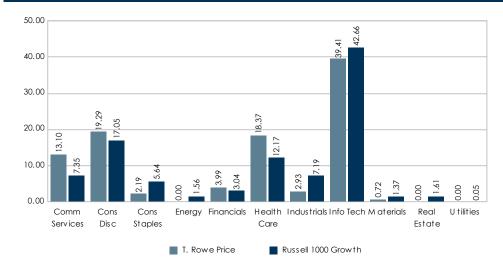
For the Periods Ending September 30, 2022

(3 to 5 years).

Dollar Growth Summary (\$000s)



T. Rowe Price



Characteristic and allocation charts represents data of the T. Rowe Price Institutional LCG (Mutual Fund: Institutional Class: TRLGX).

3 Months

4,857

153

-136

4,875

Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Beginning Market Value

Net Additions

Ending Market Value

Return on Investment

T. Rowe Price

Risk / Return Since Jul 2021 -14.00 -16.00 R -18.00 St Return (%) -20.00 Sł -22.00 -24.00 -26.00 -28.00 20.00 21.00 22.00 23.00 24.00 25.00 26.00 27.00 28.00 Standard Deviation (%) T. Row e Price Russell 1000 Grow th

Ear tha	Pariada	Endina	Sontombor	20 2022
1011116	I Ellous	LIIUIIIY	September	30, ZUZZ

Portfolio Statistics Since Jul 2021

Return Analysis Since Jul 2021

	T. Rowe Price	Russell 1000 Growth
Return (%)	-25.64	-17.77
Standard Deviation (%)	23.32	24.29
Sharpe Ratio	-1.12	-0.75

Benchmark Relative Statistics	
Beta	0.95
R Squared (%)	97.15
Alpha (%)	-10.40
Tracking Error (%)	4.15
Batting Average (%)	33.33
Up Capture (%)	66.95
Down Capture (%)	103.55

Growth of a Dollar Since Jul 2021



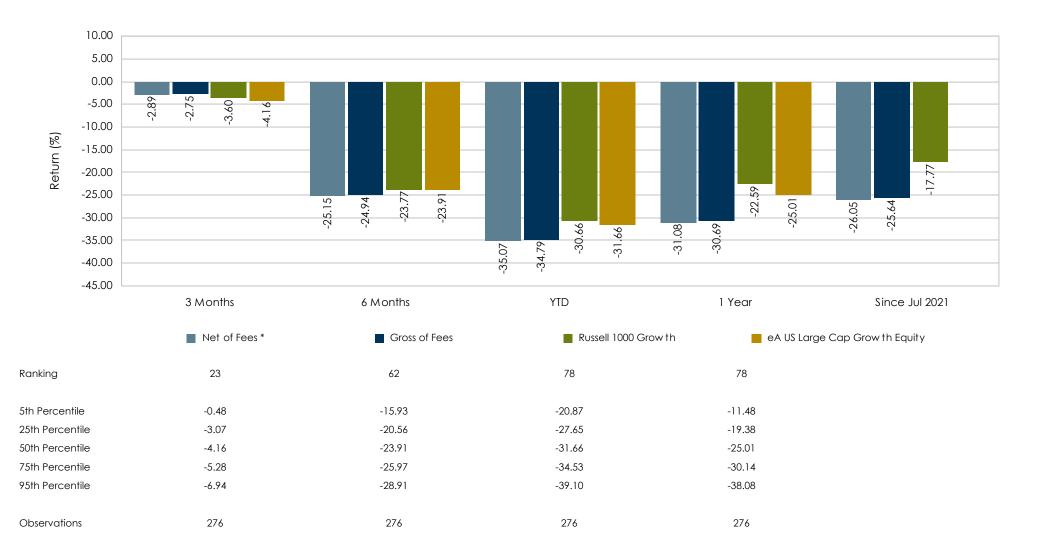
	T.	Russell
	Rowe Price	1000 Growth
Number of Months	15	15
Highest Monthly Return (%)	12.11	12.00
Lowest Monthly Return (%)	-13.96	-12.08
Number of Positive Months	6	7
Number of Negative Months	9	8
% of Positive Months	40.00	46.67

-T. Row e Price

-Russell 1000 Grow th

T. Rowe Price

For the Periods Ending September 30, 2022



S&P 500 Option

For the Periods Ending September 30, 2022

Mana	ger Allocation		Portfolio Information
Name	Market Value (\$000s)	Allocation (%)	S&P 500 Index Option
Total	30,153	100.00	This option includes the passively managed SSgA S&P 500 Index Fund.
SSGA S&P 500 Non Lending	30,153	100.00	Performance Goal - Mirror the risk and return profile of the S&P 500 over all
			time periods.

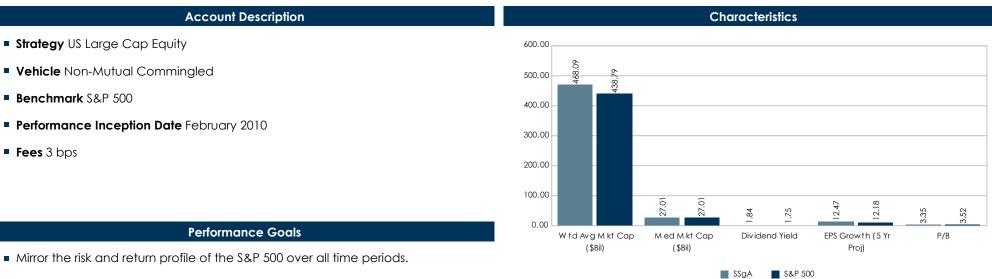
Dollar Growth Summary	(\$000s)
-----------------------	----------

	3 Months	YTD
Beginning Market Value	32,218	42,411
Net Additions	-576	-2,514
Return on Investment	-1,489	-9,744
Ending Market Value	30,153	30,153



Growth of a Dollar

SSGA S&P 500 Non Lending



YTD

42,411

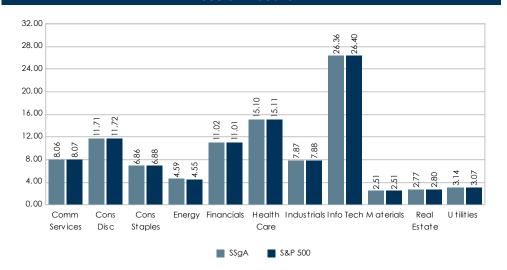
-2,514

-9,744

30,153

For the Periods Ending September 30, 2022

Sector Allocation



Dollar Growth Summary (\$000s)

3 Months

32,218

-576

-1,489

30,153

Characteristic and allocation charts represents data of the State Street S&P 500 Flagship Non-Lending Fund (Non-Mutual Commingled).

Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

Beginning Market Value

Net Additions

Ending Market Value

Return on Investment

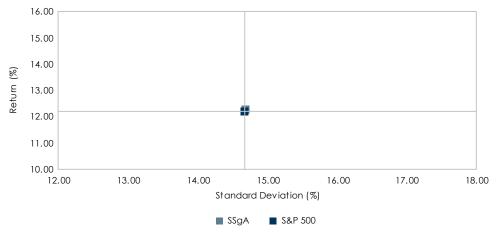
SSGA S&P 500 Non Lending

For the Periods Ending September 30, 2022

Risk / Return Since Feb 2010



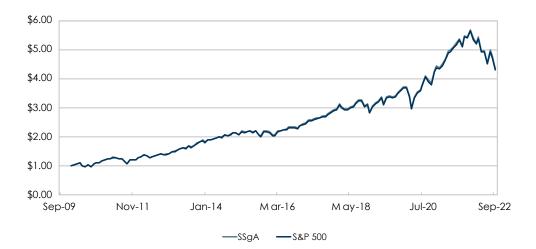
Return Analysis Since Feb 2010



	SSgA	S&P 500
Return (%)	12.27	12.19
Standard Deviation (%)	14.68	14.67
Sharpe Ratio	0.80	0.80

Benchmark Relative Statistics	
1.00	
99.99	
0.07	
0.12	
53.95	
100.30	
99.94	

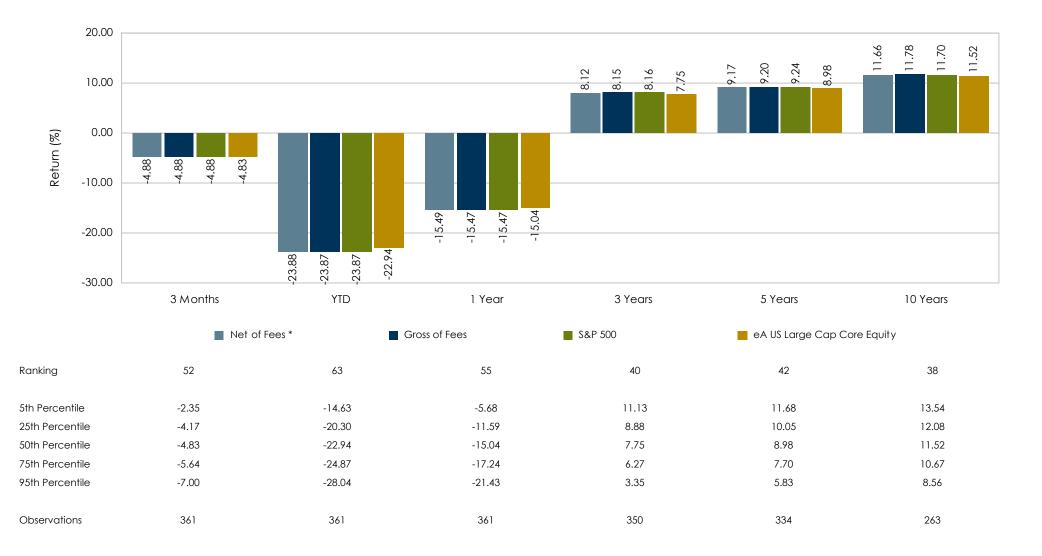
Growth of a Dollar Since Feb 2010



	SSgA	S&P 500
Number of Months	152	152
Highest Monthly Return (%)	12.81	12.82
Lowest Monthly Return (%)	-12.35	-12.35
Number of Positive Months	105	105
Number of Negative Months	47	47
% of Positive Months	69.08	69.08

SSGA S&P 500 Non Lending

For the Periods Ending September 30, 2022



Aggressive Equity Option

Manager Allocation			Portfolio Information		
Name	Market Value (\$000s)	Allocation (%)	Small to Mid Cap Equity Option		
Total	15,049	100.00	 This option includes a combination of portfolios focused in the small and mid 		
SSgA Russell Small Cap Completeness	7,419	49.30	cap asset classes.		
TimesSquare Small Cap Growth	3,941	26.19	Performance goals - 1) to achieve returns 100 basis points in excess of the		
Integrity Small Cap Value	3,689	24.51	Russell 2500 Index, and 2) to exceed the return of the median small/mid cap		

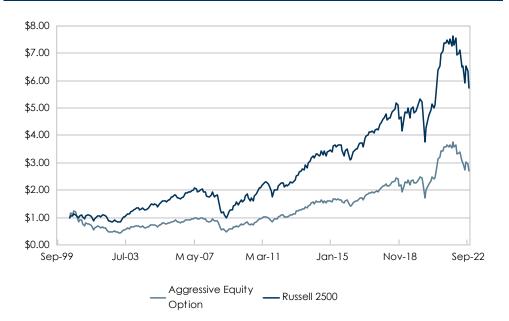
For the Periods Ending September 30, 2022

Dollar Growth Summary (\$000s)

Beginning Market Value	3 Months 15,412	YTD 21,855
Net Additions	-209	-1,273
Return on Investment	-154	-5,533
Ending Market Value	15,049	15,049

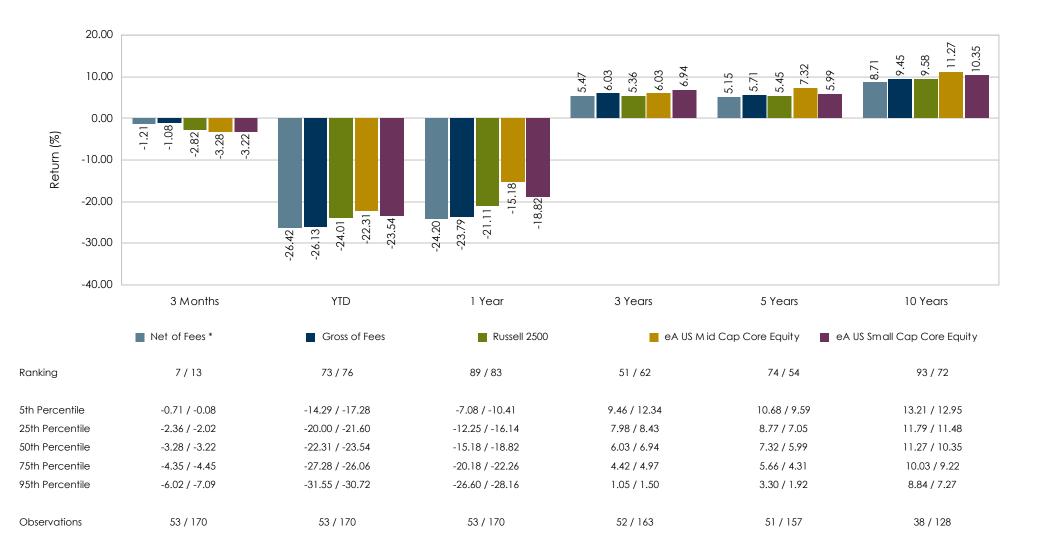
Growth of a Dollar

core manager over a complete market cycle (3 to 5 years).



Aggressive Equity Option

For the Periods Ending September 30, 2022



Integrity Small Cap Value

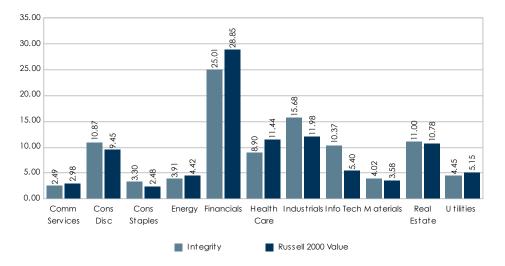
Account Description Characteristics Strategy US Small Cap Value 14.00 10.99 Vehicle Mutual Fund (MVSSX) 12.00 Benchmark Russell 2000 Value 10.00 8.16 Performance Inception Date September 2015 8.00 **Expense Ratio** 96 bps 6.00 4.00 3.04 2.67 2 2.00 **Performance Goals** 0.00 Wtd Avg Mkt Cap (\$Bil) Avg M kt Cap (\$Bil) P/E (1 Yr Trailing) P/B Exceed the returns of the Russell 2000 Value over a complete market cycle (3

For the Periods Ending September 30, 2022

Sector Allocation

Russell 2000 Value

Integrity



Dollar Growth Summary (\$000s)

Beginning Market Value	3 Months 4,018	YTD 5,645
Net Additions	-207	-1,107
Return on Investment	-122	-849
Ending Market Value	3,689	3,689

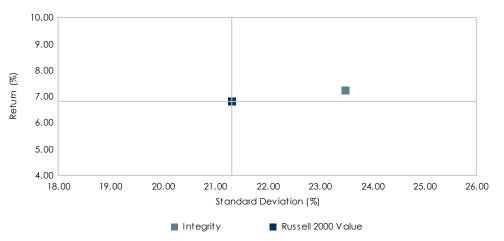
Characteristic and allocation charts represents data of the Victory Integrity Small Value R6 (Mutual Fund: MVSSX).

Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

to 5 years).

Integrity Small Cap Value

For the Periods Ending September 30, 2022



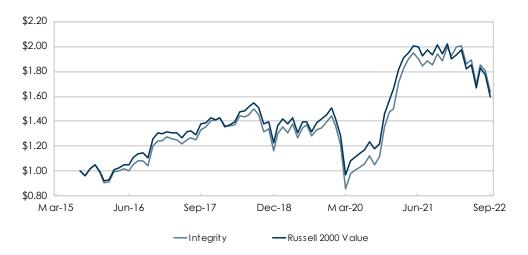
	Integrity	Russell 2000 Value
Return (%)	7.21	6.79
Standard Deviation (%)	23.49	21.31
Sharpe Ratio	0.27	0.28

Portfolio Statistics Since Sep 2015

Return Analysis Since Sep 2015

Benchmark Relative Statistics	
Beta	1.09
R Squared (%)	96.99
Alpha (%)	0.15
Tracking Error (%)	4.46
Batting Average (%)	50.59
Up Capture (%)	106.23
Down Capture (%)	103.15

Growth of a Dollar Since Sep 2015

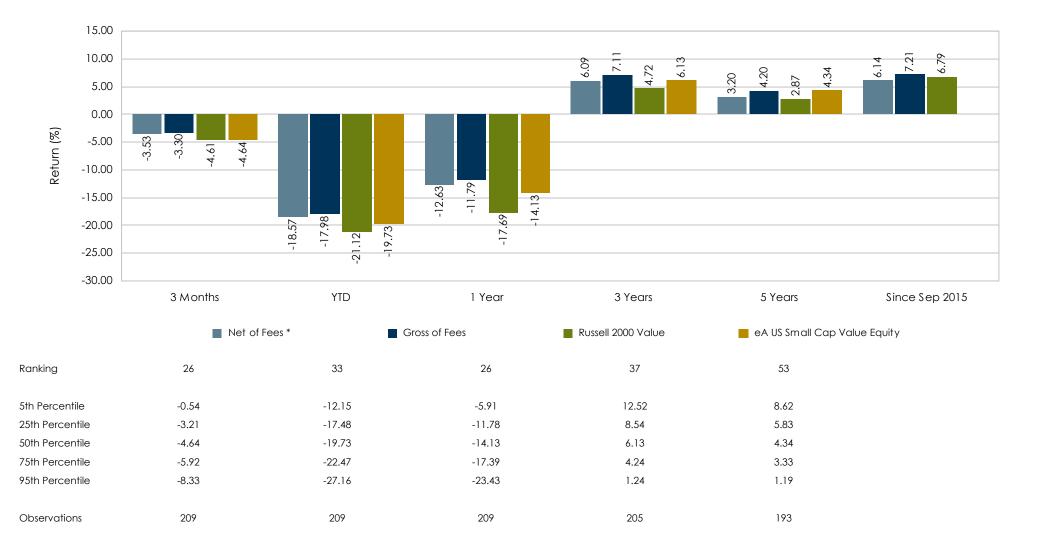


	Integrity	Russell 2000 Value
Number of Months	85	85
Highest Monthly Return (%)	21.66	19.31
Lowest Monthly Return (%)	-29.00	-24.67
Number of Positive Months	55	56
Number of Negative Months	30	29
% of Positive Months	64.71	65.88

Risk / Return Since Sep 2015

Integrity Small Cap Value





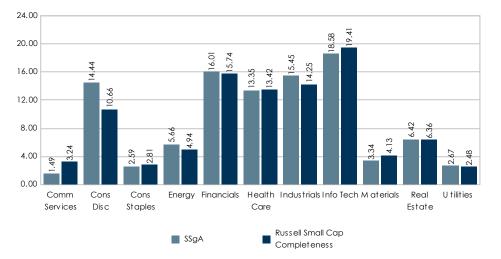
SSgA Russell Small Cap Completeness

Account Description Characteristics Strategy US Small Cap Core 28.00 4 Vehicle Non-Mutual Commingled 24.00 2 Benchmark Russell Small Cap Completeness 20.00 7.07 16.00 Performance Inception Date May 2010 3.01 2.04 12.00 • Fees First \$50M at 8 bps, next \$50M at 6 bps, balance at 4 bps 8.00 4.00 сi 2 0.00 **Performance Goals** Wtd Avg Mkt Cap (\$Bil) P/E (1 Yr Trailing) EPS Growth (5 Yr Proj) P/B Russell Small Cap SSgA Completeness

For the Periods Ending September 30, 2022

Mirror the risk and return profile of the Russell Small Cap Completeness over all time periods.





3 Months YTD **Beginning Market Value** 7,628 10,766 Net Additions -31 -253

Dollar Growth Summary (\$000s)

Ending Market Value	7,419	7,419
Return on Investment	-178	-3,093

Characteristic and allocation charts represents data of the Small/Mid Cap Index Non-Lending Series Fund (Non-Mutual Commingled). Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

SSgA Russell Small Cap Completeness

Risk / Return Since May 2010 Portfolio Statistics Since May 2010 12.00 11.00 10.00 Return (%) 9.00 8.00 **Benchmark Relative Statistics** 7.00 6.00 19.00 16.00 17.00 18.00 20.00 21.00 22.00 Standard Deviation (%) Russell Small Cap Completeness SSgA

For the Periods Ending September 30, 2022

Growth of a Dollar Since May 2010



		Russell
		Small Cap
	SSgA	Completeness
Return (%)	9.64	9.53
Standard Deviation (%)	18.54	18.60
Sharpe Ratio	0.49	0.48

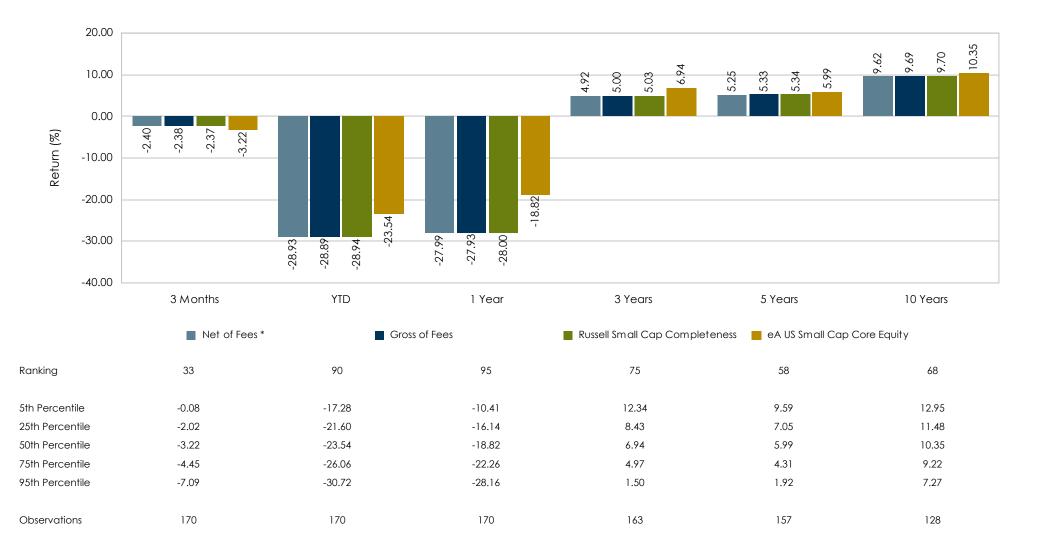
Benchinark Kelaive Statistics	
Beta	1.00
R Squared (%)	99.96
Alpha (%)	0.13
Tracking Error (%)	0.36
Batting Average (%)	49.66
Up Capture (%)	99.98
Down Capture (%)	99.59

Return Analysis Since May 2010

	SSgA	Russell Small Cap Completeness
Number of Months	149	149
Highest Monthly Return (%)	18.17	18.17
Lowest Monthly Return (%)	-21.22	-21.22
Number of Positive Months	92	92
Number of Negative Months	57	57
% of Positive Months	61.74	61.74

SSgA Russell Small Cap Completeness

For the Periods Ending September 30, 2022



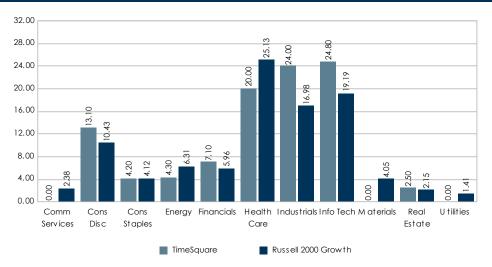
TimesSquare Small Cap Growth

Account Description Characteristics Strategy US Small Cap Growth 24.00 20.32 75 Vehicle Non-Mutual Commingled 8.10 20.00 00 Benchmark Russell 2000 Growth 16.00 3.35 Performance Inception Date September 2015 12.00 **Fees** 80 bps 8.00 3.77 2 86 4.00 0.60 39 0.00 **Performance Goals** Wtd Avg Mkt Cap P/E (1 Yr Trailing) EPS Growth (5 Yr Dividend Yield P/B (\$Bil) Proj) Russell 2000 Growth TimeSquare

For the Periods Ending September 30, 2022

Exceed the returns of the Russell 2000 Growth over a complete market cycle (3 to 5 years).





Dollar Growth Summary (\$000s)

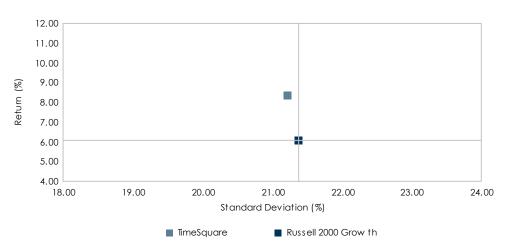
	3 Months	YTD
Beginning Market Value	3,766	5,444
Net Additions	29	88
Return on Investment	146	-1,591
Ending Market Value	3,941	3,941

Characteristic and allocation charts represents the composite data of the TimesSquare Small Growth.

Sector weights may not add to 100% due to securities that are not assigned to a Global Industry Classification Standard (GICS) sector.

TimesSquare Small Cap Growth

For the Periods Ending September 30, 2022



		Russell	
	TimeSquare	2000 Growth	
Return (%)	8.35	6.05	
Standard Deviation (%)	21.22	21.37	
Sharpe Ratio	0.35	0.24	

Portfolio Statistics Since Sep 2015

Return Analysis Since Sep 2015

Benchmark Relative Statistics	
Beta	0.97
R Squared (%)	94.88
Alpha (%)	2.42
Tracking Error (%)	4.85
Batting Average (%)	57.65
Up Capture (%)	102.18
Down Capture (%)	95.27

Growth of a Dollar Since Sep 2015

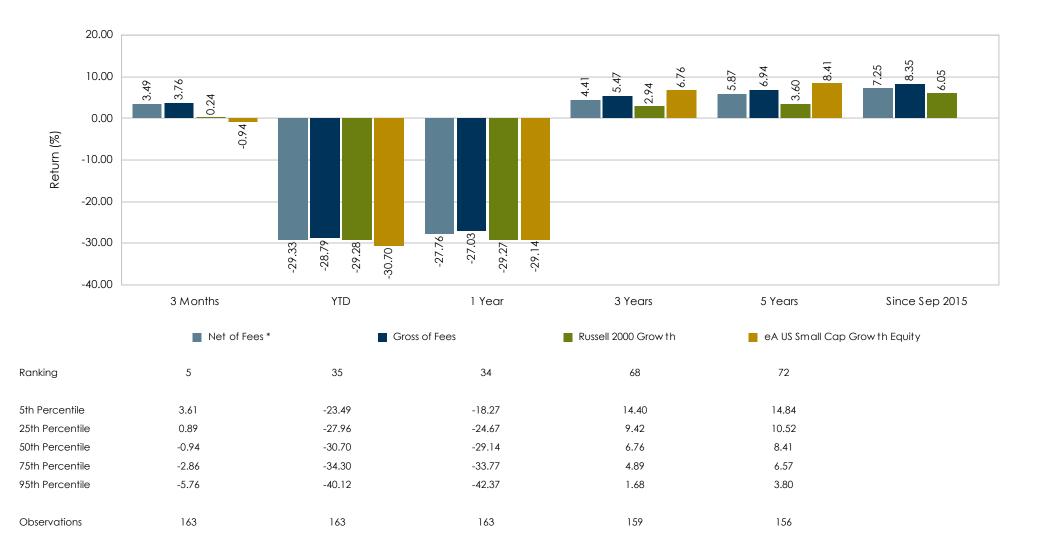


		Russell
	TimeSquare	2000 Growth
Number of Months	85	85
Highest Monthly Return (%)	17.19	17.63
Lowest Monthly Return (%)	-21.00	-19.10
Number of Positive Months	55	54
Number of Negative Months	30	31
% of Positive Months	64.71	63.53

Risk / Return Since Sep 2015

TimesSquare Small Cap Growth

For the Periods Ending September 30, 2022



International Investment Equity Option

For the Periods Ending September 30, 2022

Manager Allocation			Portfolio Information	
Name	Market Value (\$000s)	Allocation (%)	 International Equity Option 	
Total International Option	6,991	100.00	This option includes a combination of international equity portfolios across	
Harding Loevner International Equity	1,783	25.50	complimentary styles of management.	
Artisan	1,749	25.02	 Performance goals - 1) to achieve returns 100 basis points in excess of the MSCI ACWI ex US, and 2) to exceed the return of the median international developed markets equity manager over a complete market cycle (3 to 5 	
SSgA Global Equity Ex US	1,730	24.75		
Harding Loevner Emerging Markets	1,728	24.72		

years).

Dollar Growth Summary (\$000s)

	3 Months	YTD
Beginning Market Value	7,829	10,140
Net Additions	-94	-370
Return on Investment	-744	-2,779
Ending Market Value	6,991	6,991

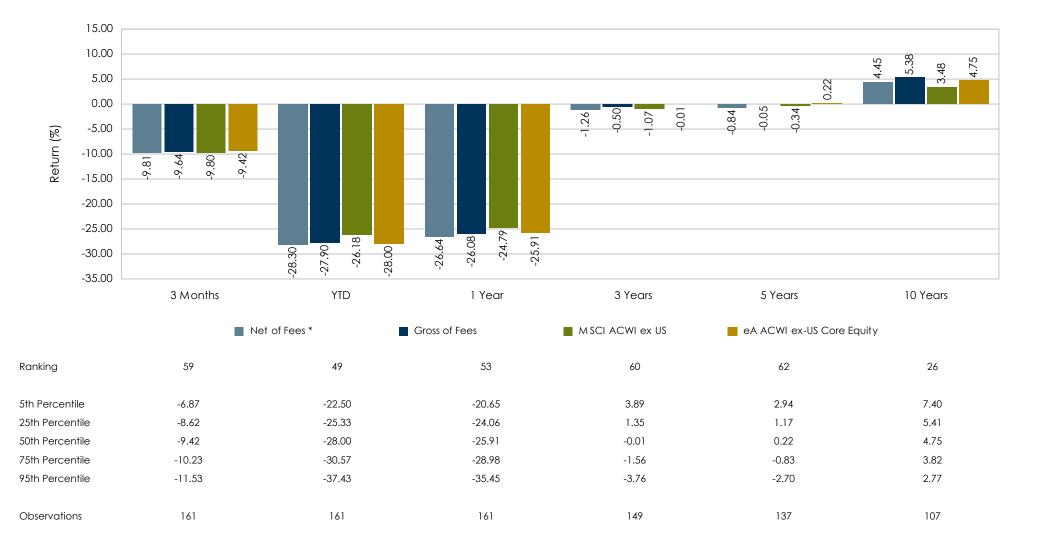
Growth of a Dollar



— International Option — MSCI ACWI ex US

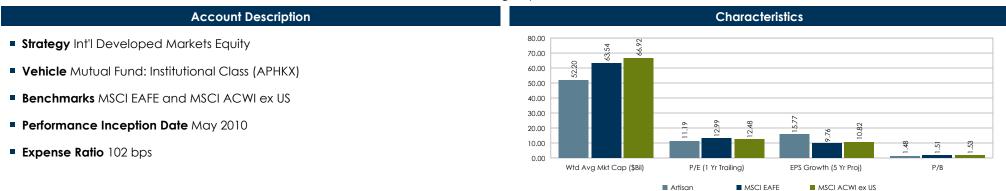
International Investment Equity Option

For the Periods Ending September 30, 2022



Artisan

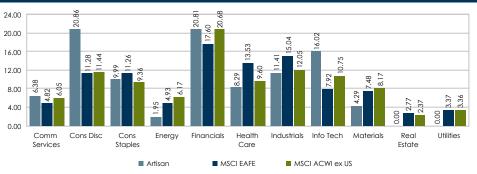
For the Periods Ending September 30, 2022



Performance Goals

Exceed the returns of the MSCI EAFE over a complete market cycle (3 to 5 years).

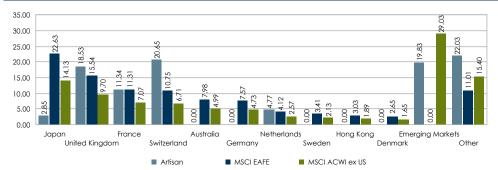
Sector Allocation



Dollar Growth Summary (\$000s)

Beginning Market Value	3 Months 2,000	YTD 2,576
Net Additions	-64	-340
Return on Investment	-186	-486
Ending Market Value	1,749	1,749

Country Allocation



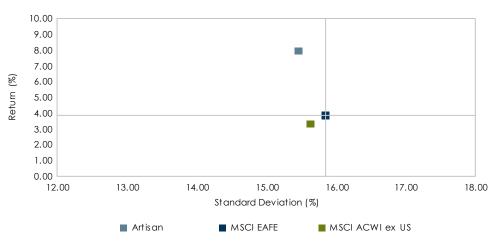
Characteristic and allocation charts represents data of the Artisan International Value (Mutual Fund: Institutional Class: APHKX).

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Artisan

For the Periods Ending September 30, 2022

Risk / Return Since May 2010



			MSCI
	Artisan	MSCI EAFE	ACWI ex US
Return (%)	7.93	3.86	3.31
Standard Deviation (%)	15.47	15.85	15.63
Sharpe Ratio	0.48	0.21	0.18

Portfolio Statistics Since May 2010

Benchmark Relative Statistics		
D-4-	0.02	0.04
Beta	0.93	0.94
R Squared (%)	90.09	89.75
Alpha (%)	4.27	4.76
Tracking Error (%)	5.01	5.05
Batting Average (%)	57.05	57.05
Up Capture (%)	100.70	104.85
Down Capture (%)	84.27	85.12

Growth of a Dollar Since May 2010

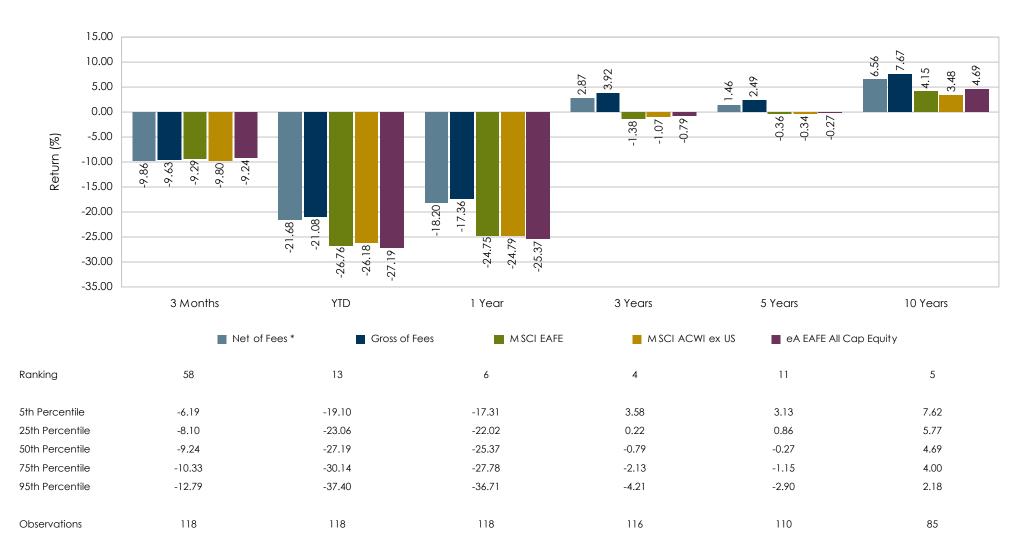


Return Analysis Since May 2010

			MSCI
	Artisan	MSCI EAFE	ACWI ex US
Number of Months	149	149	149
Highest Monthly Return (%)	16.61	15.51	13.46
Lowest Monthly Return (%)	-19.43	-13.25	-14.40
Number of Positive Months	85	82	85
Number of Negative Months	64	67	64
% of Positive Months	57.05	55.03	57.05

FO

Artisan



For the Periods Ending September 30, 2022

SSgA Global Equity Ex US

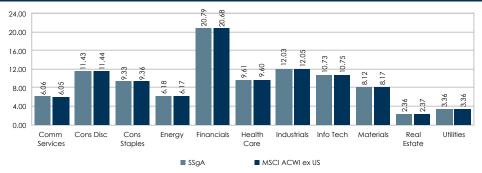
Account Description	Characteristics
Strategy Int'l Developed Markets Equity	80.00
Vehicle Non-Mutual Commingled	60.00
Benchmark MSCI ACWI ex US	40.00
Performance Inception Date November 2014	
Fees 9 bps	10.00 0.00 Wtd Avg Mkt Cap (\$Bil) P/E (1 Yr Trailing) EPS Growth (5 Yr Proj) P/B

For the Periods Ending September 30, 2022

Performance Goals

• Mirror the risk and return profile of the MSCI ACWI ex US over all time periods.

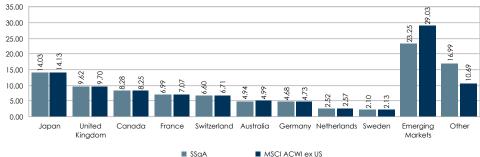
Sector Allocation



Dollar Growth Summary (\$000s)

Beginning Market Value	3 Months 1,939	YTD 2,532
Net Additions	-9	-158
Return on Investment	-199	-643
Ending Market Value	1,730	1,730

Country Allocation



MSCI ACWI ex US

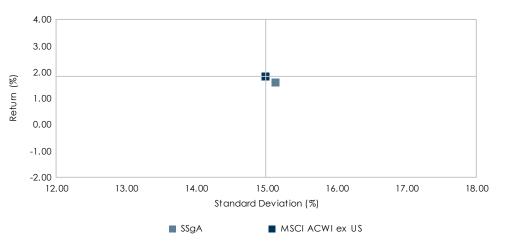
Characteristic and allocation charts represents data of the SSgA Global Equity ex U.S. Index Fund (Non-Mutual Commingled).

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SSgA Global Equity Ex US

For the Periods Ending September 30, 2022

Risk / Return Since Nov 2014



		MSCI
	SSgA	ACWI ex US
Return (%)	1.60	1.84
Standard Deviation (%)	15.13	14.99
Sharpe Ratio	0.05	0.07

Portfolio Statistics Since Nov 2014

Return Analysis Since Nov 2014

Benchmark Relative Statistics	
Beta	1.01
R Squared (%)	99.24
Alpha (%)	-0.23
Tracking Error (%)	1.33
Batting Average (%)	34.74
Up Capture (%)	100.05
Down Capture (%)	101.02

Growth of a Dollar Since Nov 2014

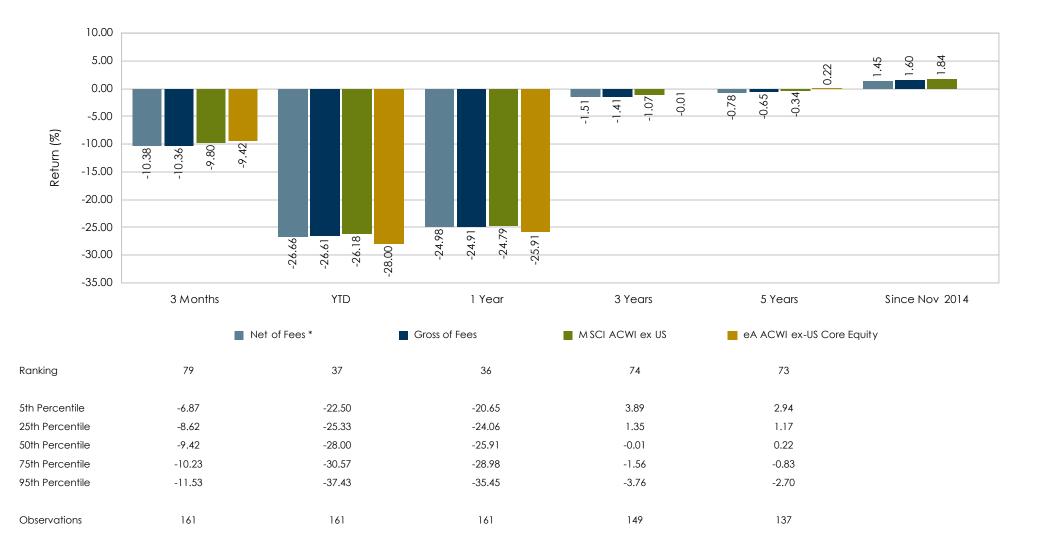


		MSCI
	SSgA	ACWI ex US
Number of Months	95	95
Highest Monthly Return (%)	13.26	13.46
Lowest Monthly Return (%)	-15.51	-14.40
Number of Positive Months	53	54
Number of Negative Months	42	41
% of Positive Months	55.79	56.84

Statistics are calculated using monthly return data. © 2022 Asset Consulting Group All Rights Reserved

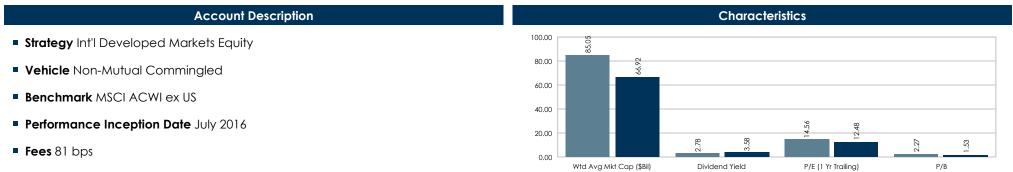
SSgA Global Equity Ex US

For the Periods Ending September 30, 2022



Harding Loevner International Equity

For the Periods Ending September 30, 2022

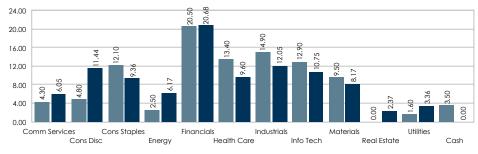


■ Harding International ■ MSCI ACWI ex US

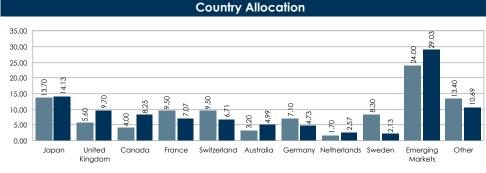
Performance Goals

Exceed the returns of the MSCI ACWI ex US over a complete market cycle (3 to 5 years).

Sector Allocation



Harding International MSCI ACWI ex US



Harding International MSCI ACWI ex US

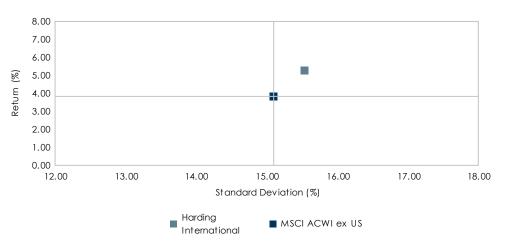
Dollar Growth Summary (\$000s)

Beginning Market Value	3 Months 1,906	YTD 2,595
Net Additions	33	-52
Return on Investment	-156	-760
Ending Market Value	1,783	1,783

Harding Loevner International Equity

For the Periods Ending September 30, 2022

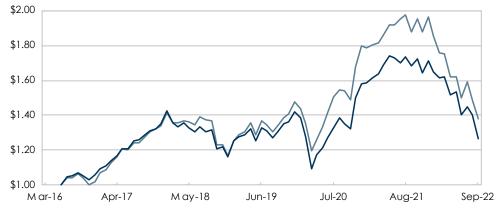
Risk / Return Since Jul 2016



	Harding International	MSCI ACWI ex US
Return (%)	5.26	3.82
Standard Deviation (%)	15.53	15.09
Sharpe Ratio	0.28	0.19

Benchmark Relative Statistics	
0.98	
90.84	
1.54	
4.71	
52.00	
105.87	
98.81	

Growth of a Dollar Since Jul 2016



-Harding International -MSCI ACWI ex US

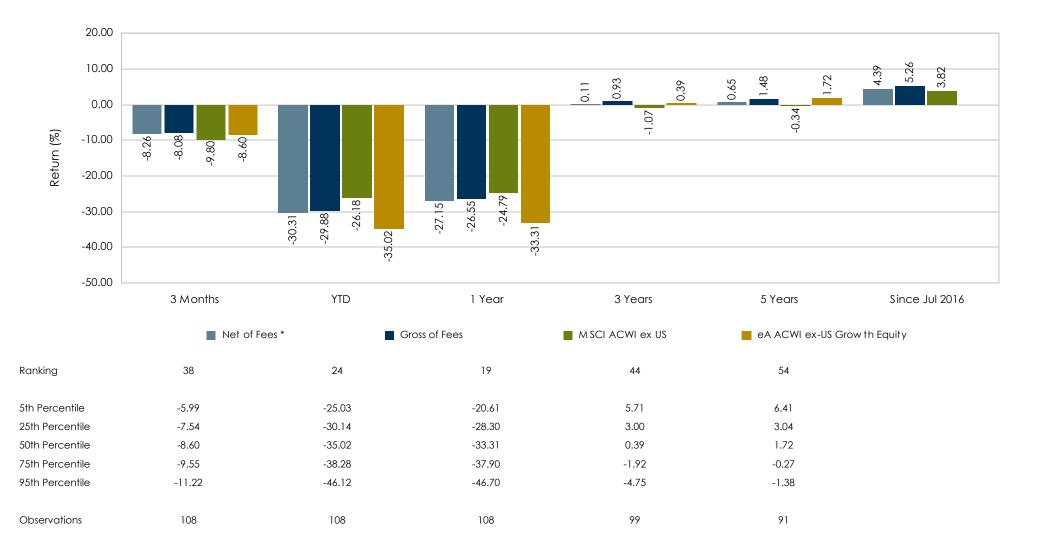
Return Analysis Since Jul 2016

Portfolio Statistics Since Jul 2016

	Harding International	MSCI ACWI ex US
Number of Months	75	75
Highest Monthly Return (%)	12.85	13.46
Lowest Monthly Return (%)	-11.69	-14.40
Number of Positive Months	45	48
Number of Negative Months	30	27
% of Positive Months	60.00	64.00

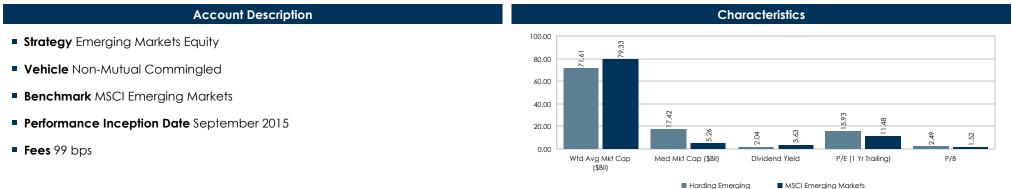
Harding Loevner International Equity

For the Periods Ending September 30, 2022



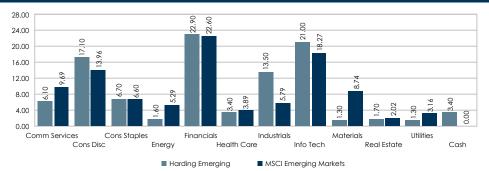
Harding Loevner Emerging Markets

For the Periods Ending September 30, 2022



Performance Goals

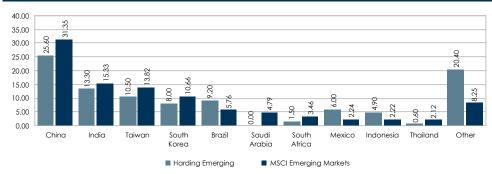
 Exceed the returns of the MSCI Emerging Markets over a complete market cycle (3 to 5 years). Sector Allocation



Dollar Growth Summary (\$000s)

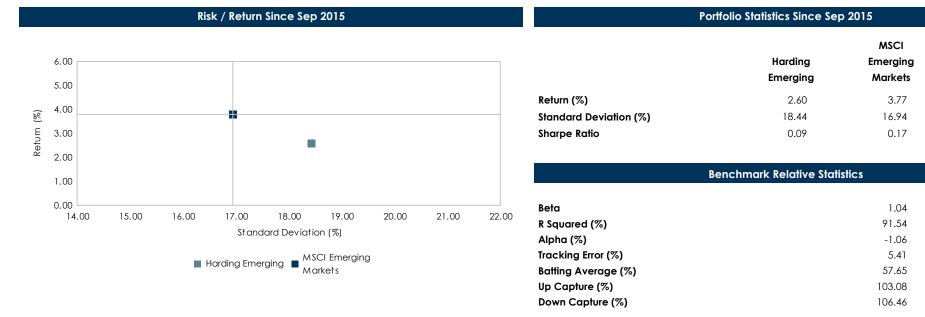
Beginning Market Value	3 Months 1,985	YTD 2,437
Net Additions	-54	181
Return on Investment	-203	-890
Ending Market Value	1,728	1,728

Country Allocation



Harding Loevner Emerging Markets

For the Periods Ending September 30, 2022



Growth of a Dollar Since Sep 2015

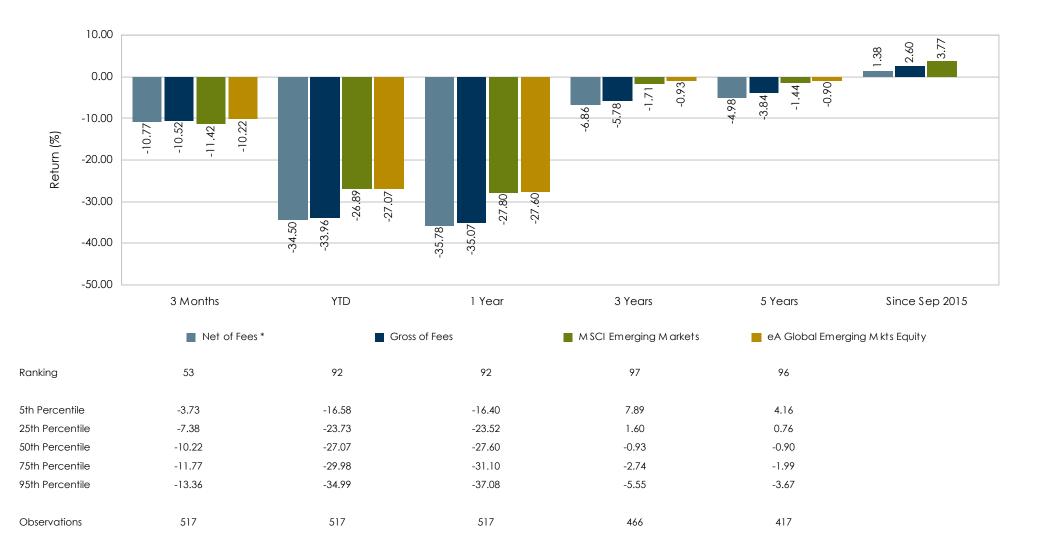


Return Analysis Since Sep 2015

	Harding Emerging	MSCI Emerging Markets
Number of Months	85	85
Highest Monthly Return (%)	12.55	13.26
Lowest Monthly Return (%)	-20.10	-15.38
Number of Positive Months	52	49
Number of Negative Months	33	36
% of Positive Months	61.18	57.65

Harding Loevner Emerging Markets

For the Periods Ending September 30, 2022



Global Equity Option

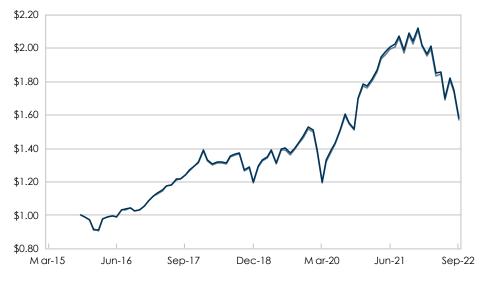
For the Periods Ending September 30, 2022

M	anager Allocation		Portfolio Information
Name	Market Value (\$000s)	Allocation (%)	 Global Equity Option
Total	9,230	100.00	This option includes the passively managed SSgA Global Equity Index Fund.
SSgA Global Equity Index	9,230	100.00	Performance Goal - Mirror the risk and return profile of the MSCI All Country
			World Index over all time periods.

Dollar Growth Summary (\$000s)

Beginning Market Value	3 Months 9,764	YTD 12,440
Net Additions	155	-62
Return on Investment	-689	-3,147
Ending Market Value	9,230	9,230





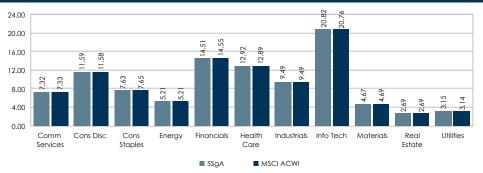
SSgA Global Equity Index For the Periods Ending September 30, 2022

Account Description Characteristics 350.00 Strategy Global All Cap Equity 0 40 200 300.00 Vehicle Non-Mutual Commingled 250.00 200.00 Benchmark MSCI ACWI 150.00 Performance Inception Date November 2015 100.00 c 12.30 50.00 2.] 2.27 **Fees** 10 bps 0.00 P/B Wtd Avg Mkt Cap (\$Bil) P/E (1 Yr Trailing) EPS Growth (5 Yr Proj) SSgA MSCI ACWI

Performance Goals

• Mirror the risk and return profile of the MSCI ACWI over all time periods.

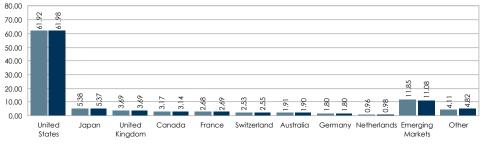
Sector Allocation



Dollar Growth Summary (\$000s)

Beginning Market Value	3 Months 9,764	YTD 12,440
Net Additions	155	-62
Return on Investment	-689	-3,147
Ending Market Value	9,230	9,230

Country Allocation



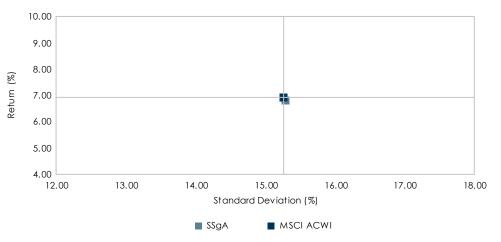
SSgA MSCI ACWI

Characteristic and allocation charts represents data of the SSgA Global Equity Index (Non-Mutual Commingled).

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SSgA Global Equity Index

For the Periods Ending September 30, 2022



	SSgA	MSCI ACWI
Return (%)	6.80	6.90
Standard Deviation (%)	15.29	15.26
Sharpe Ratio	0.39	0.39

1.00
99.85
-0.10
0.59
40.96
99.98
100.40

Growth of a Dollar Since Nov 2015



Return Analysis Since Nov 2015

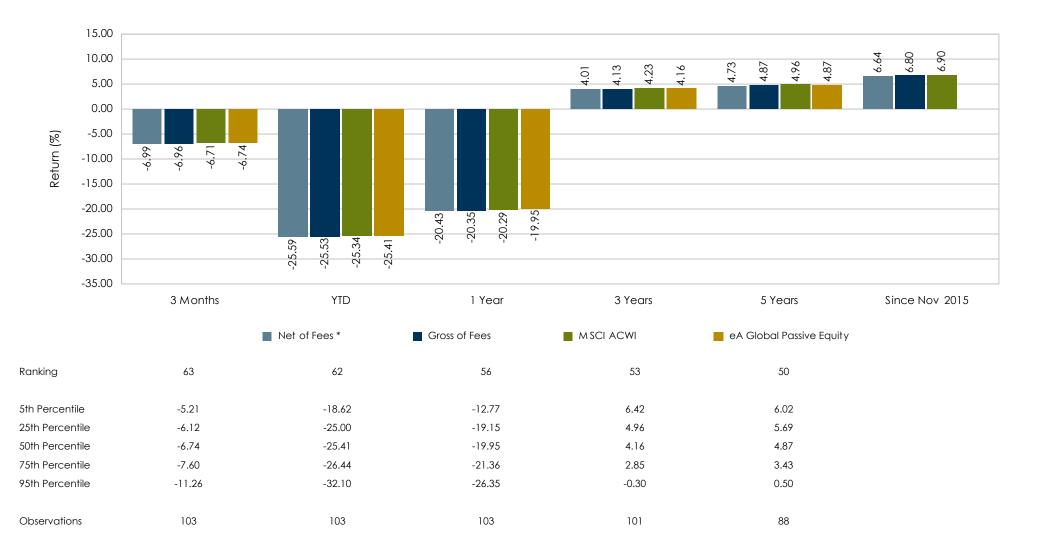
Portfolio Statistics Since Nov 2015

	SSgA	MSCI ACWI
Number of Months	83	83
Highest Monthly Return (%)	12.28	12.36
Lowest Monthly Return (%)	-13.80	-13.44
Number of Positive Months	56	56
Number of Negative Months	27	27
% of Positive Months	67.47	67.47

Risk / Return Since Nov 2015

SSgA Global Equity Index

For the Periods Ending September 30, 2022



ESG US Stock Fund Option

For the Periods Ending September 30, 2022

	Manager Allocation		Portfolio Information
Name	Market Value (\$000s)	Allocation (%)	ESG US Large and Mid Cap Equity Option
Total ESG Option	1,185	100.00	This option includes the Calvert Equity Fund
Calvert Equity Fund	1,185	100.00	Performance Goal - Outperform the Russell 1000 over a complete market
			cycle (typically 3 to 5 years).

Net Dollar Gr	wth Summary (\$000s)
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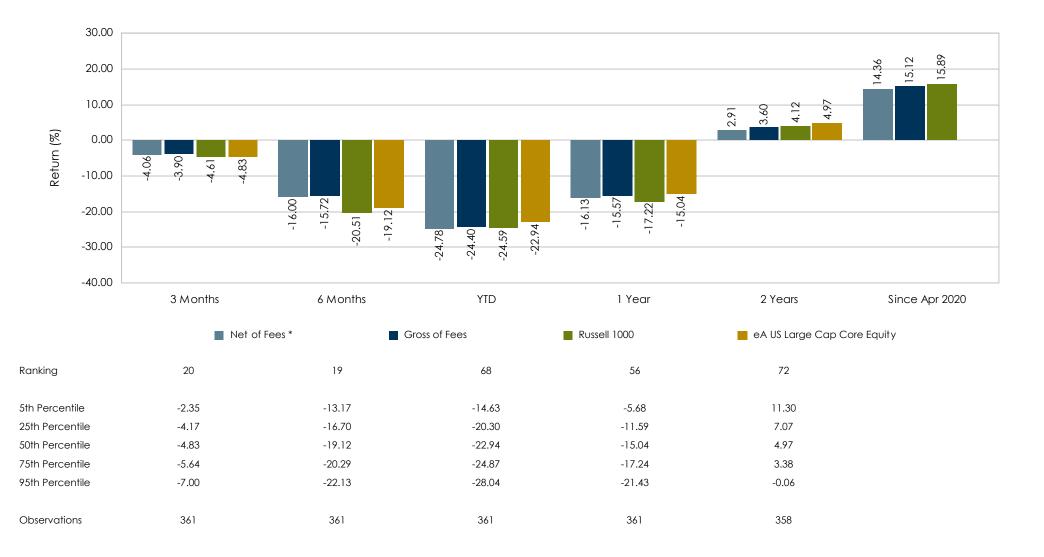
	3 Months	YTD
Beginning Market Value	1,086	1,659
Net Additions	155	-71
Return on Investment	-56	-403
Ending Market Value	1,185	1,185



Growth of a Dollar

ESG US Stock Fund Option

For the Periods Ending September 30, 2022



Total Yield Option

For the Periods Ending September 30, 2022

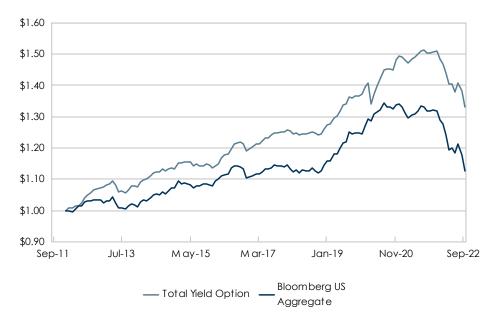
Manager Allocation			Portfolio Information
Name	Market Value (\$000s)	Allocation (%)	Total Yield Option
Total	5,322	100.00	This option includes a combination of portfolios in the core and multi-sector
JP Morgan Fixed Income	2,643	49.67	fixed income asset classes.
BlackRock Strategic Income Opportunities	1,354	25.44	Performance Goals - 1) to achieve returns 100 basis points in excess of the
Amundi Pioneer Core Plus	1,325	24.89	BloomBar US Aggregate, and 2) to exceed the return of the median core

Dollar Growth Summary (\$000s)

	3 Months	YTD
Beginning Market Value	5,726	6,715
Net Additions	-210	-660
Return on Investment	-194	-733
Ending Market Value	5,322	5,322

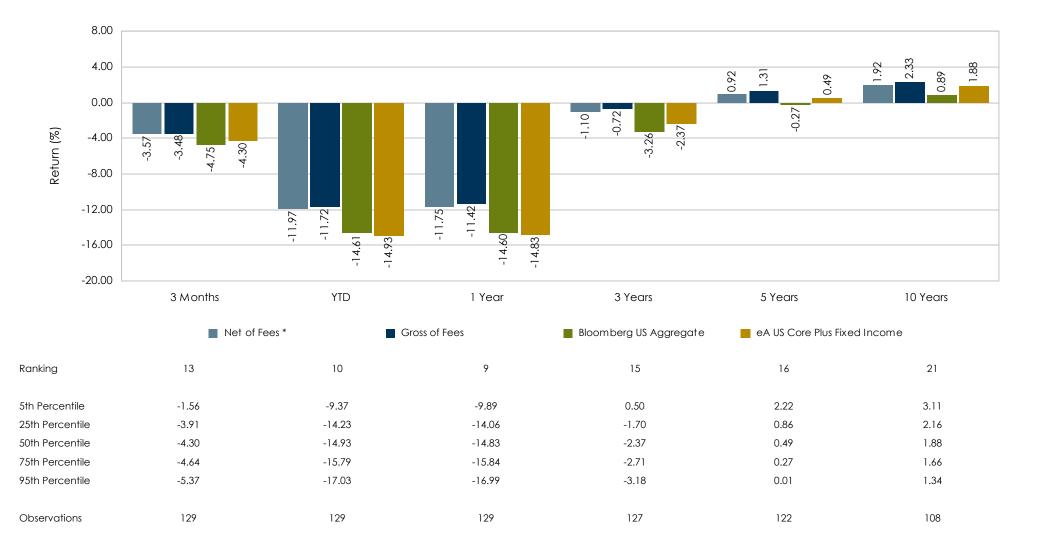


bond manager over a complete market cycle (3 to 5 years).

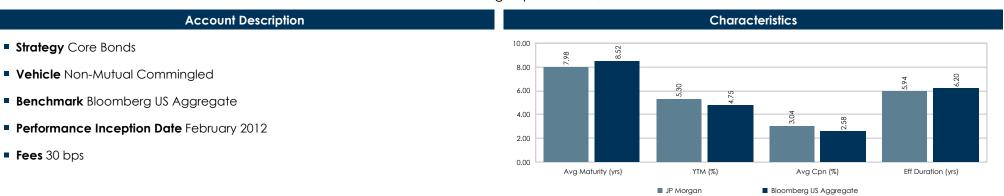


Total Yield Option

For the Periods Ending September 30, 2022



JP Morgan Fixed Income

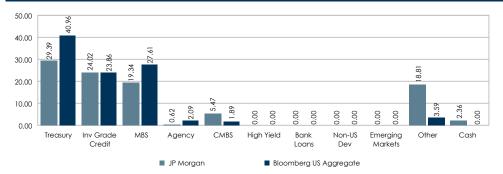


For the Periods Ending September 30, 2022

Performance Goals

 Exceed the returns of the Bloomberg US Aggregate over a complete market cycle (3 to 5 years).

Sector Allocation

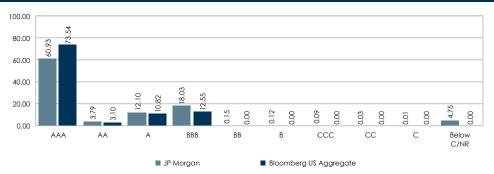


Dollar Growth Summary (\$000s)

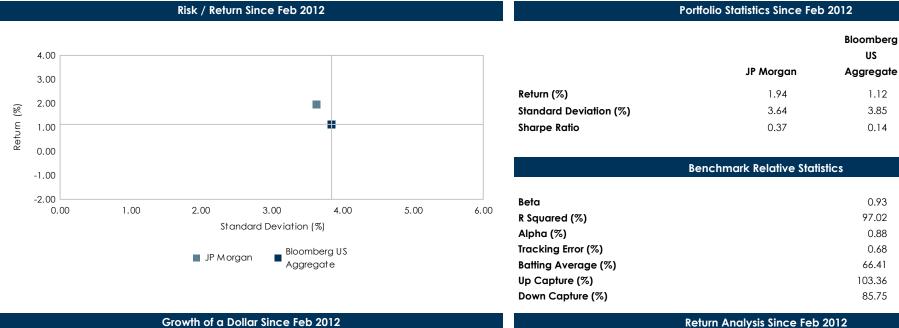
	3 Months	YTD
Beginning Market Value	2,860	3,355
Net Additions	-99	-299
Return on Investment	-118	-413
Ending Market Value	2,643	2,643

Characteristic and allocation charts represents data of the JPMorgan Core Bond Trust (Non-Mutual Commingled). The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

Quality Allocation



JP Morgan Fixed Income



For the Periods Ending September 30, 2022

\$1.45 \$1.40 \$1.35 \$1.30 \$1.25 \$1.20 \$1.15 \$1.10 \$1.05 \$1.00 \$0.95 Jul-13 Sep-11 May-15 M ar-17 Jan-19 Nov-20 Sep-22 Bloomberg US -JP Morgan Aggregate

		Bloomberg US
	JP Morgan	Aggregate
Number of Months	128	128
Highest Monthly Return (%)	2.81	2.59
Lowest Monthly Return (%)	-3.92	-4.32
Number of Positive Months	78	73
Number of Negative Months	50	55
% of Positive Months	60.94	57.03

US

1.12

3.85

0.14

0.93

97.02

0.88

0.68

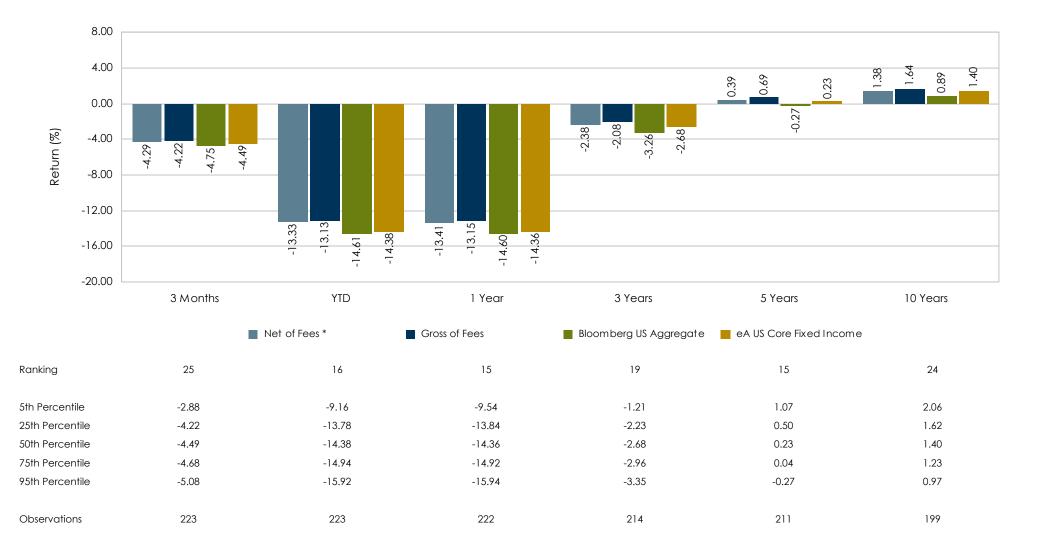
66.41

103.36

85.75

JP Morgan Fixed Income

For the Periods Ending September 30, 2022



Amundi Pioneer Core Plus

Account Description Characteristics 28.00 Strategy Multi-Sector Fixed Income 8 24.00 21. 8 Vehicle Non-Mutual Commingled 20.00 16.00 Benchmark Bloomberg Universal 12.00 Performance Inception Date February 2012 8.00 4.00 **Fees** 35 bps 0.00 Duration (yrs) Avg Quality YTM (%) Avg Cpn (%)

For the Periods Ending September 30, 2022

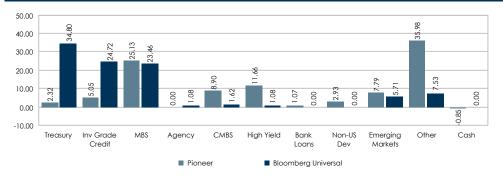
Performance Goals

 Exceed the returns of the Bloomberg Universal over a complete market cycle (3 to 5 years).

Sector Allocation

Bloomberg Universal

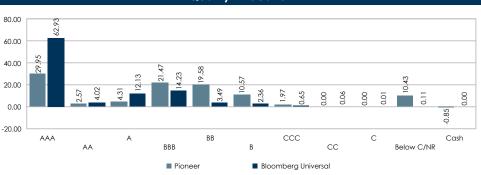
Pioneer



Dollar Growth Summary (\$000s)

Beginning Market Value	3 Months 1,409	YTD 1,682
Net Additions	-31	-141
Return on Investment	-53	-217
Ending Market Value	1,325	1,325

Characteristic and allocation charts represents the composite data of the Amundi\Multi-Sector Fixed Income. The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

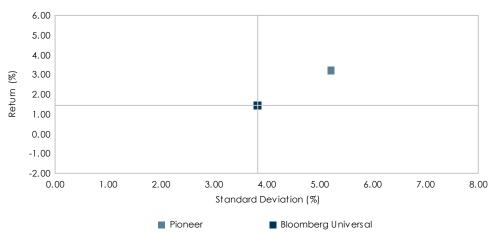


Quality Allocation

Amundi Pioneer Core Plus

For the Periods Ending September 30, 2022

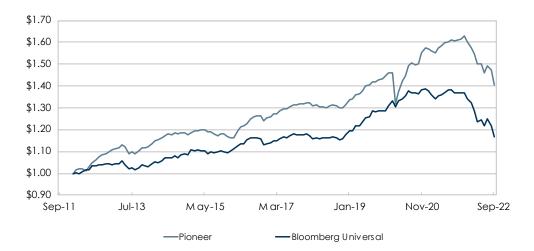
Risk / Return Since Feb 2012



		Bloomberg
	Pioneer	Universal
Return (%)	3.23	1.45
Standard Deviation (%)	5.21	3.83
Sharpe Ratio	0.51	0.23

	Benchmark Relative Statistics	
Beta	1.00	
R Squared (%)	53.80	
Alpha (%)	1.83	
Tracking Error (%)	3.54	
Batting Average (%)	65.63	
Up Capture (%)	119.22	
Down Capture (%)	83.70	

Growth of a Dollar Since Feb 2012



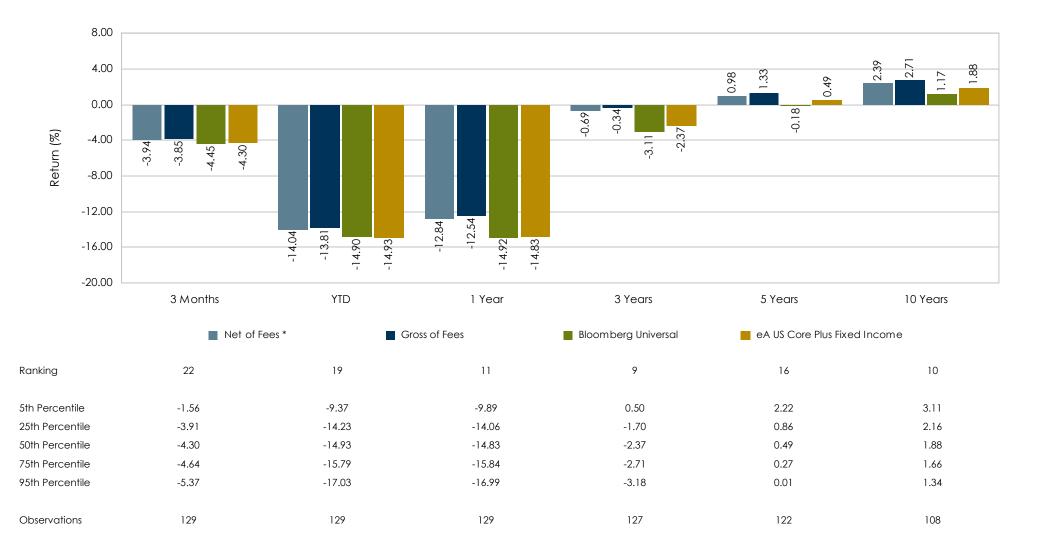
		Bloomberg
	Pioneer	Universal
Number of Months	128	128
Highest Monthly Return (%)	4.31	2.51
Lowest Monthly Return (%)	-9.90	-4.31
Number of Positive Months	90	78
Number of Negative Months	38	50
% of Positive Months	70.31	60.94

Return Analysis Since Feb 2012

Portfolio Statistics Since Feb 2012

Amundi Pioneer Core Plus

For the Periods Ending September 30, 2022



BlackRock Strategic Income Opportunities

For the Periods Ending September 30, 2022

Characteristics Account Description 28.00 Strategy Absolute Return 24.00 22.50 Vehicle Mutual Fund: Institutional Class (BSIKX) 19.00 20.00 16.00 Benchmarks Bloomberg US Aggregate and US T-Bills 30 Day + 4.0% 12.00 Performance Inception Date July 2017 8.00 6.20 5.72 4.75 4.00 2.14 Expense Ratio 59 bps 0.00 Avg Quality YTM (%) Duration (yrs) BlackRock Bloomberg US Aggregate

Performance Goals

 Meet or exceed the targeted return of the Bloomberg US Aggregate over a complete market cycle (typically 3-5 years).

Dollar Growth Summary (\$000s)

3 Months

1.457

-80

-22

1,354

YTD

1,678

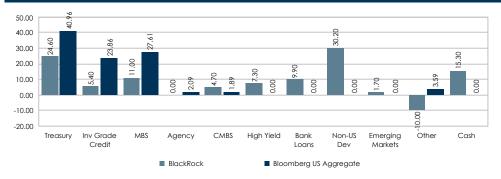
-220

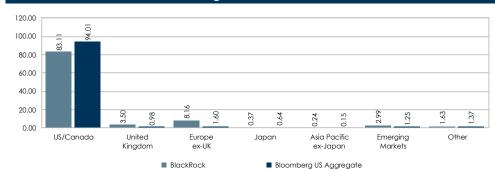
-103

1,354

 Meet or exceed the targeted return of US T-Bills + 4-6% over a complete market cycle (typically 3-5 years).

Sector Allocation





Regional Allocation

Characteristic and allocation charts represents the composite data of the BlackRock Strategic Income Opportunities.

The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

Beginning Market Value

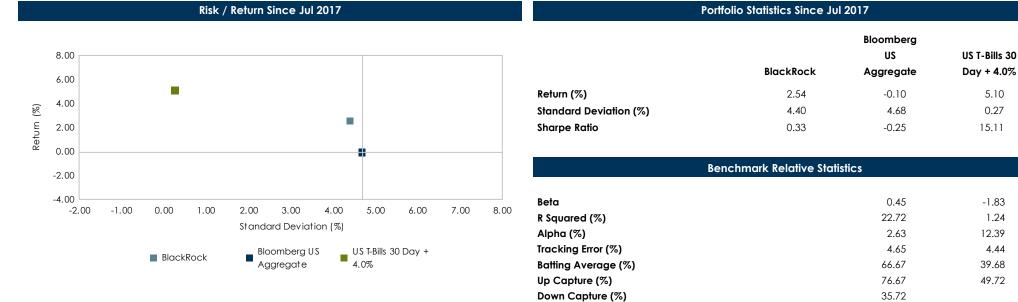
Net Additions

Ending Market Value

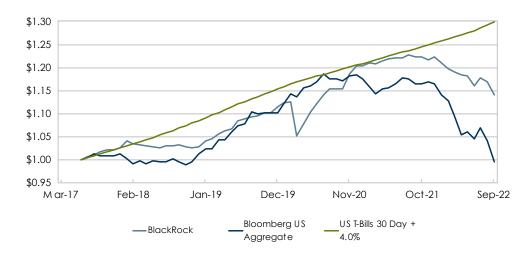
Return on Investment

BlackRock Strategic Income Opportunities

For the Periods Ending September 30, 2022



Growth of a Dollar Since Jul 2017

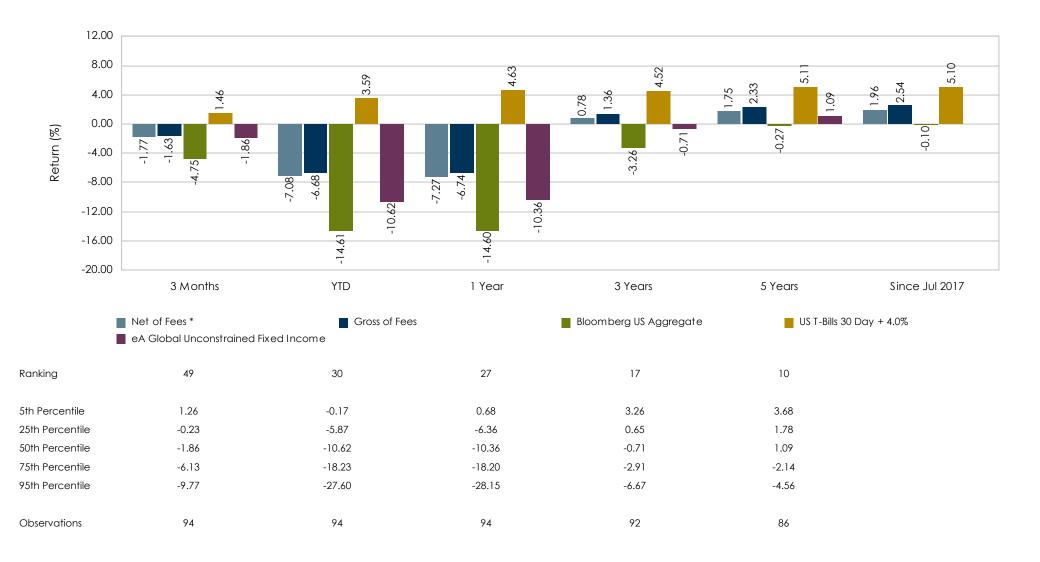


Return Analysis Since Jul 2017

	BlackRock	Bloomberg US Aggregate	US T-Bills 30 Day + 4.0%
Number of Months	63	63	63
Highest Monthly Return (%)	2.90	2.59	0.54
Lowest Monthly Return (%)	-6.60	-4.32	0.33
Number of Positive Months	42	33	63
Number of Negative Months	21	30	0
% of Positive Months	66.67	52.38	100.00

BlackRock Strategic Income Opportunities

For the Periods Ending September 30, 2022



Bond Index Option

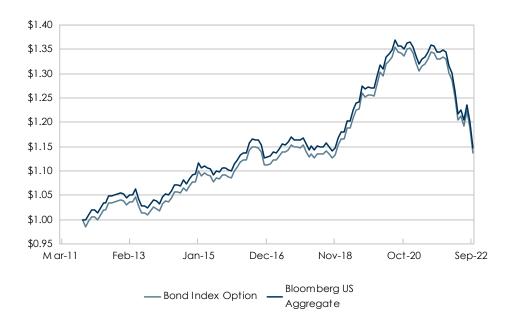
For the Periods Ending September 30, 2022

Manager Allocation		Portfolio Information	
Name	Market Value (\$000s)	Allocation (%)	Bond Index Option
Total	13,905	100.00	 This option includes the passively managed SSgA US Aggregate Bond Index
SSgA US Aggregate Bond	13,905	100.00	Fund.

 Performance Goal - Mirror the risk and return profile of the BloomBar US Aggregate over all time periods.

Dollar Growth Summary (\$000s)

	3 Months	YTD
Beginning Market Value	14,587	16,601
Net Additions	7	-312
Return on Investment	-689	-2,384
Ending Market Value	13,905	13,905



Growth of a Dollar

SSgA US Aggregate Bond

Account Description Characteristics 28.00 Strategy US Investment Grade 50 22.00 24.00 ର୍ଷ Vehicle Non-Mutual Commingled 20.00 16.00 Benchmark Bloomberg US Aggregate 12.00 20 Performance Inception Date November 2011 8.00 4.00 • Fees 6 bps 0.00 Eff Duration (yrs) Avg Quality YTM (%) Avg Cpn (%) SSgA Bloomberg US Aggregate

For the Periods Ending September 30, 2022

Performance Goals

 Mirror the risk and return profile of the Bloomberg US Aggregate over all time periods.

Sector Allocation



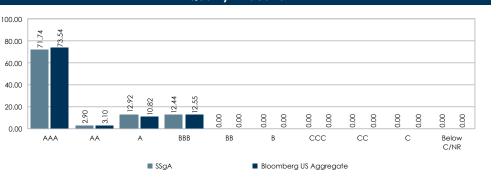
Dollar Growth Summary (\$000s)

Beginning Market Value	3 Months 14,587	YTD 16,601
Net Additions	7	-312
Return on Investment	-689	-2,384
Ending Market Value	13,905	13,905

Characteristic and allocation charts represents data of the US Aggregate Bond Index SL Fund (Non-Mutual Commingled).

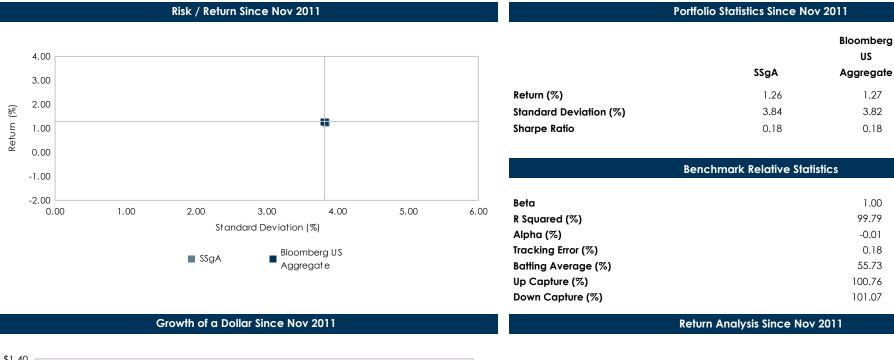
The Other sector consists of ABS, CMO, Convertibles, Municipals, Private Placements/144As and TIPS.

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Quality Allocation

SSgA US Aggregate Bond



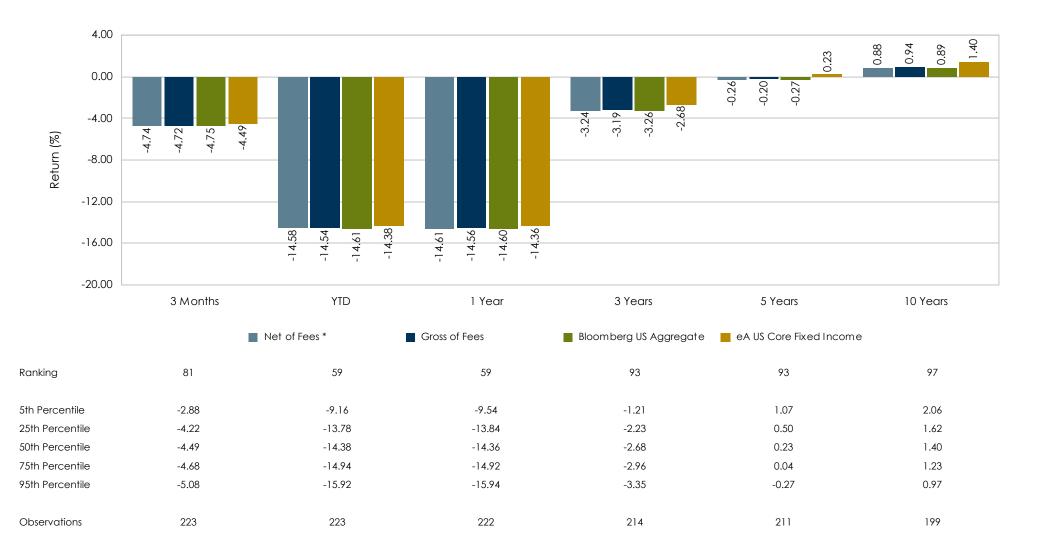
For the Periods Ending September 30, 2022

\$1.40 \$1.35 \$1.30 \$1.25 \$1.20 \$1.15 \$1.10 \$1.05 \$1.00 \$0.95 M ar-11 Feb-13 Jan-15 Dec-16 Nov-18 Oct-20 Sep-22 Bloomberg US -SSgA Aggregate

Bloomberg US SSgA Aggregate Number of Months 131 131 Highest Monthly Return (%) 2.61 2.59 Lowest Monthly Return (%) -4.32 -4.32 75 Number of Positive Months 75 56 56 **Number of Negative Months** % of Positive Months 57.25 57.25

SSgA US Aggregate Bond

For the Periods Ending September 30, 2022



Real Assets Option

For the Periods Ending September 30, 2022

Manager Allocation			Portfolio Information
Name	Market Value (\$000s)	Allocation (%)	Real Asset Option
Total	890	100.00	This option includes a REIT, Commodity and TIPS strategy.
PIMCO Diversified Real Assets	890	100.00	Performance Goal - Outperform the custom benchmark over a complete
			market cycle (typically 3 to 5 years)

Dollar Growth Summary (\$000s)

	3 Months	YTD
Beginning Market Value	1,067	914
Net Additions	-117	125
Return on Investment	-60	-149
Ending Market Value	890	890

\$1.50 \$1.40 \$1.30 \$1.20 \$1.20 \$1.10 \$1.00 \$1.00 \$0.90 Sep-16 Sep-17 Sep-18 Sep-19 Sep-20 Sep-21 Sep-22 Real Assets Blended

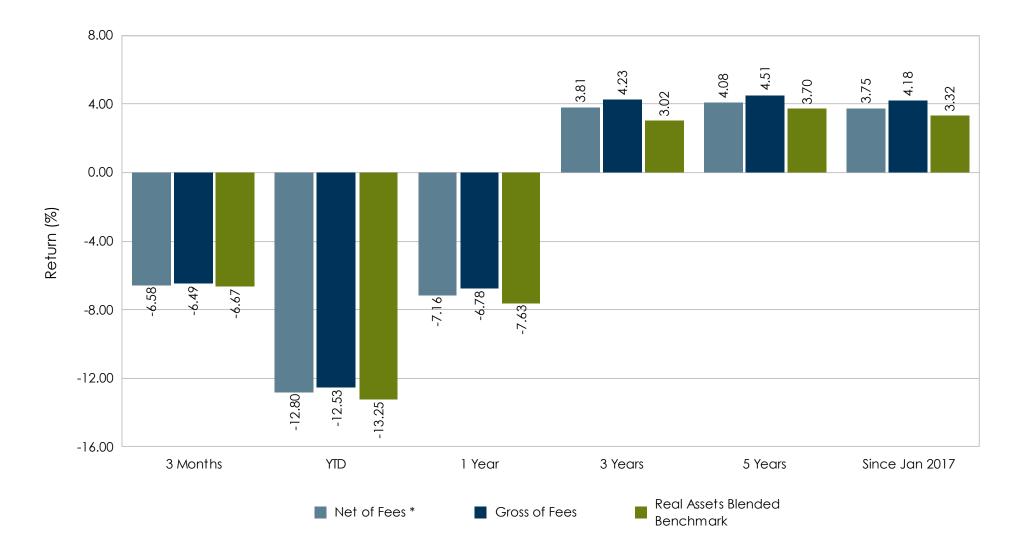
Benchmark

---- Real Assets Option

Growth of a Dollar

Real Assets Option

For the Periods Ending September 30, 2022



Fixed Fund Option

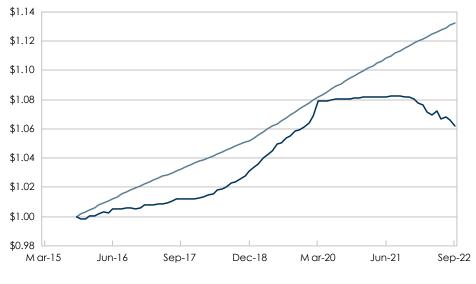
For the Periods Ending September 30, 2022

Manager Allocation			Portfolio Information		
Name	Market Value (\$000s)	Allocation (%)	Fixed account designed to provide participants with principal stability over a loss loss loss loss loss loss loss lo		
Total	54,599	100.00	long-term investment horizon. The Fixed Account is backed by the Voya		
Voya Fixed Plus III	54,599	100.00	Retirement Insurance and Annuity Company (VRIAC) general account.		
			The manager's performance will be evaluated on absolute return, relative		
			return, volatility profile and consistency with stated style relative to similar fixed		
			income strategies.		

Dollar Growth Summary (\$000s)	
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	3 Months	YTD
Beginning Market Value	53,869	44,681
Net Additions	507	9,296
Return on Investment	222	622
Ending Market Value	54,599	54,599





SSgA Target Retirement Options

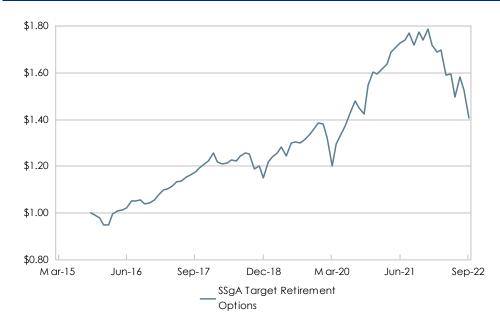
Mar	nager Allocation	Portfolio Information						
Name	Market Value (\$000s)	Allocation (%)	 This option includes a combination of passive SSgA strategies across glob 					
Total	176,410	100.00	equity, fixed income and real assets.					
SSgA Target Retirement 2025	35,450	20.10	The risk/return profile of the target date funds are based upon each					
SSgA Target Retirement 2030	25,067	14.21	participant's age and time horizon.					
SSgA Target Retirement 2035	22,669	12.85	The target date funds automatically shift the asset allocation from more					
SSgA Target Retirement 2020	22,340	12.66	The target date funds automatically shift the asset allocation from more					
SSgA Target Retirement Income	18,312	10.38	aggressive to more conservative as the participant approaches the stated					
SSgA Target Retirement 2040	16,923	9.59	retirement date.					
SSgA Target Retirement 2045	13,181	7.47	The manager's performance will be evaluated on absolute return, relative					
SSgA Target Retirement 2050	10,232	5.80						
SSgA Target Retirement 2055	6,327	3.59	return, volatility profile and consistency with stated style relative to similar					
SSgA Target Retirement 2060	5,758	3.26	target date funds.					
SSgA Target Retirement 2065	151	0.09						

For the Periods Ending September 30, 2022

Dollar Growth Summary (\$000s)

	3 Months	YTD
Beginning Market Value	187,955	235,726
Net Additions	-433	-10,343
Return on Investment	-11,112	-48,972
Ending Market Value	176,410	176,410

Growth of a Dollar



Appendix

Historical Benchmark Composition

OMRF DB Policy Index

04/30/1987	The index consists of 100.0% OMRF DB Policy Index History.
07/31/2003	The index consists of 55.00% S&P 500, 10.00% MSCI EAFE, 35.00% Bloomberg US Aggregate.
03/31/2004	The index consists of 40.00% S&P 500, 15.00% Russell 2500, 10.00% MSCI EAFE, 35.00% Bloomberg US Aggregate.
02/28/2007	The index consists of 40.00% S&P 500, 15.00% Russell 2500, 10.00% MSCI EAFE, 30.00% Bloomberg US Aggregate, 5.00% NCREIF Property.
10/31/2010	The index consists of 35.00% S&P 500, 10.00% Russell 2500, 20.00% MSCI EAFE, 30.00% Bloomberg US Aggregate, 5.00% NCREIF Property.
04/30/2014	The index consists of 25.00% S&P 500, 10.00% Russell 2500, 10.00% MSCI ACWI, 20.00% MSCI EAFE, 30.00% Bloomberg US Aggregate, 5.00% NCREIF Property.
03/31/2016	The index consists of 65.00% MSCI ACWI, 30.00% Bloomberg US Aggregate, 5.00% NCREIF Property.
01/31/2021	The index consists of 70.00% MSCI ACWI, 25.00% Bloomberg US Aggregate, 5.00% NCREIF Property.
10/31/2021	The index consists of 70.00% MSCI ACWI, 20.00% Bloomberg US Aggregate, 10.00% NCREIF Property.

Definitions of Statistical Measures

Alpha - the annualized difference between the manager's actual return and the manager's expected return given its relative risk vs. the benchmark (which is represented by beta, a measure that tracks volatility to an index).

Batting Average - a measure used to quantify a manager's ability to meet or beat a benchmark. A manager who outperforms the benchmark 20 out of a possible 40 times has a batting average of 50.

Beta - measures the portfolio's sensitivity of returns to market movements represented by the primary benchmark.

Down Capture - demonstrates the ratio of the portfolio's average returns relative to the benchmark in periods in which the benchmark had a negative return. For instance, a down-capture of 96% indicates that, on average, the portfolio is down 96% when the benchmark is down 100%. Lower portfolio down-capture is preferred.

R Squared - the amount of the manager's return that can be explained by the benchmark. A R Squared of 100 indicates a perfect correlation, while a R Squared of 0 indicates no correlation at all.

Sharpe Ratio - a measure of return per unit of risk. Higher sharpe ratios are preferred while negative ratios are generally meaningless and cannot be used for comparison purposes.

Standard Deviation - a measure of the portfolio's volatility. A large standard deviation relative to the benchmark represents volatile portfolio returns.

Tracking Error - a measure that reports the difference between the return of a manager that is received and that of a benchmark that the manager is attempting to track.

Up Capture - demonstrates the ratio of the portfolio's average returns relative to the benchmark in periods in which the benchmark had a positive return. For instance, an up-capture of 96% indicates that, on average, the portfolio is up 96% when the benchmark is up 100%. Higher portfolio up-capture is preferred.

Moody's Rating	S&P Rating	Prior to 1Q09	Beginning 1Q09	Beginning 3Q11	Moody's Rating	S&P Rating	Prior to 1Q09	Beginning 1Q09	Beginning 3Q11
TSY	TSY	10	26	24	Ba2	BB	6	13	13
AGY	AGY	10	25	24	Ba	BB		13	13
Aaa	AAA	10	24	24	MIG4		6	13	13
Aal	AA+	9.3	23	23	Ba3	BB-	5.7	12	12
Aa2	AA		22	22	B1	B+	5.3	11	11
Aa	AA	9	22	22	B2	В	5	10	10
MIG1		9	22	22	В	В		10	10
Aa3	AA-	8.7	21	21	B3	B-	4.7	9	9
Al	A+	8.3	20	20	Caal	CCC+	4.3	8	8
A-1			20	20	Caa2	CCC	4	7	7
A2	А	8	19	19	Caa	CCC		7	7
А	А		19	19	Caa3	CCC-	3.7	6	6
MIG2		8	19	19	Ca	СС	3	5	5
A3	A-		18	18	С	С	2	4	4
Baal	BBB+	7.7	17	17		DDD	1	3	3
Baa2	BBB	7.3	16	16		DD		2	2
Baa	BBB	7	16	16		D		1	1
MIG3			16	16	NR	NR	N/A	-1	-1
Baa3	BBB-	7	15	15	NA	NA	N/A		
Bal	BB+	6.7	14	14	N/A	N/A			

Quality Rating Scale

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Oklahoma Municipal Retirement Fund Emerging Markets Equity Manager Replacement Search Overview

November 18, 2022



We are proud to announce that ACG has again been named a Greenwich Associates Quality Leader – recognized as one of the top consultants in the industry.

Methodology and Disclosure: Between July and October 2021, Coalition Greenwich (previously known as Greenwich Associates), conducted in-person and phone interviews and online surveys with 811 professionals at 661 of the largest tax-exempt funds in the United States, including corporate and union funds, public funds, endowments and foundations, insurance general accounts, and healthcare organizations, with either pension or investment pool assets greater than \$150 million. Study participants were asked to provide quantitative and qualitative evaluations of their asset managers and investment consultants, including qualitative assessments of those firms soliciting their business and detailed information on important market trends. ACG is one of four firms recognized in the mid-size investment consultant category. The ratings may not be representative of any one client's experience with ACG; rather they are representative of those clients that chose to participate in the survey. The results are not indicative of ACG's future performance. ACG does not pay to have its clients participate in the study.



Harding Loevner EM Equity Termination Rationale:

- The Defined Benefit (DB) and Defined Contribution (DC) Plans' **Emerging Markets Equity allocation** and the DC Plan's **International Growth Equity mandate** have been managed by Harding Loevner.
 - As of September 30th, Harding Loevner managed approximately \$20 million of Emerging Markets Equity assets for the DB Plan and approximately \$1.7 million for the DC Plan. Harding Loevner also managed \$1.8 million of International Growth Equity assets for the DC Plan.
 - Harding Loevner's Emerging Markets Equity strategy has experienced qualitative and quantitative disruptions recently.
 - From a qualitative standpoint, effective June 30th, co-Portfolio Manager Craig Shaw stepped back from his role as part of the strategy's succession planning. Craig will remain at the firm as a senior analyst, and Pradipta Chakrabortty has been elevated to the co-Portfolio Manager role.
 - From a performance standpoint, **Harding Loevner has underperformed the MSCI Emerging Markets benchmark** meaningfully this year. The bulk of the underperformance stems from an **overweight to Russian stocks**, which fell dramatically following the escalation of the Russia-Ukraine crisis.
 - After multiple due diligence calls with Harding Loevner, ACG's conviction level began to decline due to poor communication regarding the exit plan for the Russian stock positions. In addition, per Harding Loevner, the co-Portfolio Manager change may lead to future investment tilts that have not been in the strategy historically (more value names/Frontier Markets exposure).
 - As such, ACG recommended the DB and DC Plans redeem from Harding Loevner's Emerging Markets Equity strategy and re-invest the proceeds into a higher-conviction manager.
 - Following today's discussion, ACG will be making a recommendation on which Emerging Markets Equity manager is best-suited for the DB and DC Plans going forward.
 - ACG will also be reviewing Harding Loevner's International Growth Equity strategy when **OkMRF's Investment Committee dives** deeper into the Non-US Equity portfolio implementation in February.

Emerging Markets Equity Search Details:

- ACG conducted an Emerging Markets Equity search for the DB and DC Plans, utilizing the same search process and analysis that has been used historically. A summary of ACG's process is included below:
 - We recommend Harding Loevner's Emerging Markets Equity strategy be replaced with a strategy that complements the existing DB and DC Plans' portfolio structures.
 - We reviewed qualitative factors for the Emerging Markets Equity manager universe, including the stability of the firm and the consistency of people, investment philosophy/process and risk management parameters. We also reviewed fees and client servicing capabilities.
 - We conducted quantitative analysis for the same broad pool of Emerging Markets Equity managers, focusing on performance, volatility, ability to perform in up and down markets (i.e, up/down capture) and consistency of performance measured by metrics such as returns, information ratio and Sharpe Ratio (risk-adjusted return).
 - We conducted thorough investment vehicle due diligence for an appropriate vehicle for DB and DC assets (with no revenue sharing arrangements).
 - For this search, we recommend the Board consider the following candidates for the DB and DC Plans' Emerging Markets Equity mandates:
 - > Aberdeen Emerging Markets
 - > Allspring Emerging Markets
 - > Axiom Investors Emerging Markets
 - > Delaware Emerging Markets (Macquarie)

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Tab 2	Defined Contribution Plan: Emerging Markets Equity Search Manager Characteristics Manager Performance & Statistics Portfolio Combinations

Tab 3Appendix – Manager Abstracts

Defined Benefit Plan: Emerging Markets Equity Search

Manager Characteristics

Firm & Strategy Details

9/30/2022	Harding Loevner Emerging Markets	Aberdeen Global Emerging Markets	AllSpring (Berk. St.) Emerging Markets	Axiom Investors Emerging Markets	Macquarie Emerging Markets
Ownership	62% Affiliated Managers Group / 38% Employee-owned	100% owned subsidiary of Standard Life Aberdeen	GTCR/Reverence Capital, Employees	100% Employee-Owned	100% Macquarie Group (ASX: MQG)
leam Location(s)	Bridgewater, New Jersey	London, UK	Boston, MA	Greenwich, Connecticut	Boston, Massachusetts
irm AUM	\$52.1B	\$469.2B	\$370.9B	\$14.8B	\$537.2B
itrategy AUM	\$7.2B	\$14.2B	\$8.2B	\$5.4B	\$6.2B
itrategy Inception	11/1/1998	1/1/1996	10/1/1997	8/1/2007	10/1/2005
nvestment Style	GARP	Core	Core	Growth	Core
Research Technique(s)	Bottom-Up Fundamental	Bottom-Up Fundamental	Bottom-Up Fundamental	Bottom-Up Fundamental	Bottom-Up Fundamental
Benchmark	MSCI Emerging Markets	MSCI Emerging Markets NetDiv	MSCI Emerging Markets NetDiv	MSCI Emerging Markets NetDiv	MSCI Emerging Markets NetDiv
Holdings Range	50 - 80	50 - 70	90 - 120	70 - 85	115 - 130
Annual Turnover Range	20% - 30%	10% - 30%	10% - 30%	45% - 80%	15% - 30%
Vehicle Type	Mutual Fund	Commingled Fund	Commingled Fund	Commingled Fund	Commingled Fund
/ehicle Minimum	\$10,000,000	\$150,000,000	\$30,000,000	\$5,000,000	\$50,000,000
Fee Schedule	All assets at 100 bps	First \$50M at 90 bps, next \$50M at 85 bps, balance at 80 bps	First \$50M at 95 bps, next \$50M at 90 bps, balance at 80 bps	First \$25M at 100 bps, next \$75M at 90 bps, next \$25M at 80 bps, next \$50M at 70 bps, balance at 60 bps	First \$50M at 82 bps, balance at 60 bps
Notes © 2022 Asset Consulting Gro		Negotiated minimum and 80 bps fee (includes operating expenses)	Negotiated minimum and 90 bps fee (includes operating expenses)	Negotiated 75 bps fee (includes operating expenses)	Negotiated minimum and 82 bps (includes operating expenses)

Market Capitalization Allocations (%)

9/30/2022	MSCI Emerging Markets	Aberdeen Global Emerging Markets	AllSpring (Berk. St.) Emerging Markets	Axiom Investors Emerging Markets	Macquarie Emerging Markets
> \$50B	38.00	38.24	38.43	42.02	52.67
\$15B - \$50B	25.80	45.20	20.31	32.54	19.36
\$7.5B - \$15B	15.30	9.01	16.37	15.94	10.12
\$1.5B - \$7.5B	20.53	7.55	22.72	9.50	15.55
\$750M - \$1.5B	0.32	0.00	0.79	0.00	0.64
\$400 - \$750M	0.02	0.00	0.83	0.00	0.97
< \$400M	0.00	0.00	0.55	0.00	0.69
Weighted Average Market Cap	\$79.3B	\$84.4B	\$84.3B	\$99.5B	\$83.6B

Represents the 3 largest market capitalization allocations

Sector Allocations (%)

9/30/2022	MSCI Emerging Markets	Aberdeen Global Emerging Markets	AllSpring (Berk. St.) Emerging Markets	Axiom Investors Emerging Markets	Macquarie Emerging Markets
Communication Services	9.69	6.25	15.63	8.62	12.67
Consumer Discretionary	13.96	12.23	17.54	14.43	12.83
Consumer Staples	6.60	8.76	20.81	6.27	15.18
Energy	5.29	2.06	5.31	5.33	11.47
Financials	22.60	27.19	15.84	24.34	6.25
Health Care	3.89	2.37	3.63	5.04	1.22
Industrials	5.79	6.34	1.37	10.26	1.03
Information Technology	18.27	21.30	15.43	20.18	31.52
Materials	8.74	8.86	2.25	3.16	6.65
Real Estate	2.02	1.16	2.18	0.00	0.17
Utilities	3.16	1.42	0.01	2.38	0.86

Represents the 3 largest sector allocations

Regional Breakdown (%)

9/30/2022	MSCI Emerging Markets	Aberdeen Global Emerging Markets	AllSpring (Berk. St.) Emerging Markets	Axiom Investors Emerging Markets	Macquarie Emerging Markets
Latin America	8.98	14.00	20.00	14.74	15.64
Emerging Europe	1.45	0.00	0.44	0.00	1.09
Africa/Middle East	6.18	3.23	3.26	1.99	0.27
China	31.35	33.00	24.71	33.40	29.15
Emerging Asia Pacific ex-China	46.37	44.34	45.32	44.76	49.84
Frontier Markets	0.00	0.00	0.60	0.00	0.71
Developed Markets	0.00	5.43	5.67	4.68	3.23
Other	0.00	0.00	0.00	0.43	0.00

Represents allocations of at least 10%

Manager Performance & Statistics

	1 Yr Return Sep-2022	5 Yr Return Sep-2022	10 Yr Return Sep-2022	1 Yr Słd Dev Sep-2022	5 Yr Słd Dev Sep-2022	10 Yr Słd Dev Sep-2022	1 Yr Sharpe Sep-2022	5 Yr Sharpe Sep-2022	10 Yr Sharpe Sep-2022	
MSCI Emerging Markets NetDiv	-28.11	-1.81	1.05	13.54	17.68	16.08	-2.12	-0.16	0.03	
MSCI Emerging Markets	-27.80	-1.44	1.42	13.53	17.69	16.08	-2.10	-0.14	0.05	
Harding Loevner Emerging Markets *	-36.05	-4.96		16.95	19.89		-2.16	-0.30		
Aberdeen Global Emerging Markets *	-34.45	-2.26	0.42	14.29	19.36	17.01	-2.45	-0.17	-0.01	
AllSpring (Berk. St.) Emerging Markets *	-31.08	-2.25	1.16	12.76	18.49	16.45	-2.48	-0.18	0.03	
Axiom Investors Emerging Markets *	-35.75	-1.94	2.02	13.46	18.31	16.41	-2.70	-0.16	0.09	
Macquarie Emerging Markets *	-32.62	-2.65	2.58	15.19	19.86	18.41	-2.19	-0.19	0.11	
	1 Yr Return Dec-2021	1 Yr Return Dec-2020	1 Yr Return Dec-2019	1 Yr Return Dec-2018	1 Yr Return Dec-2017	1 Yr Return Dec-2016	1 Yr Return Dec-2015	1 Yr Return Dec-2014	1 Yr Return Dec-2013	1 Yr Return Dec-2012
MSCI Emerging Markets NetDiv	-2.54	18.31	18.42	-14.57	37.28	11.19	-14.92	-2.19	-2.60	18.22
MSCI Emerging Markets	-2.22	18.69	18.88	-14.24	37.75	11.60	-14.60	-1.82	-2.27	18.63
Harding Loevner Emerging Markets *	-3.29	14.03	25.97	-18.97	35.04	13.44				
Aberdeen Global Emerging Markets *	-4.16	27.39	20.32	-14.34	28.75	12.05	-13.43	-1.32	-6.95	26.18
		02.05	00.10	-15.60	35.48	12.21	-12.46	-4.67	-1.73	12.99
AllSpring (Berk. St.) Emerging Markets *	-11.71	23.25	28.10	-13.60	55.40	12.21	-12.40	-4.07	1.70	12.77
AllSpring (Berk. St.) Emerging Markets * Axiom Investors Emerging Markets *	-11./1 -4.16	23.25 29.99	28.10 24.79	-16.59	41.22	8.20	-12.19	-1.26	3.26	21.74

Statistics calculated using monthly return data.

* Statistics calculated using net of fee return data.

	3 Yr Return Sep-2022	3 Yr Return Sep-2021	3 Yr Return Sep-2020	3 Yr Return Sep-2019	3 Yr Return Sep-2018	3 Yr Return Sep-2017	3 Yr Return Sep-2016	3 Yr Return Sep-2015	3 Yr Return Sep-2014	3 Yr Return Sep-2013
MSCI Emerging Markets NetDiv	-2.07	8.58	2.42	5.97	12.36	4.90	-0.56	-5.27	7.19	-0.33
MSCI Emerging Markets	-1.71	8.96	2.79	6.37	12.77	5.28	-0.21	-4.93	7.56	0.00
Harding Loevner Emerging Markets *	-6.86	8.43	0.04	5.36	11.66					
Aberdeen Global Emerging Markets *	-3.19	13.57	2.59	4.63	8.88	4.31	0.08	-5.61	8.59	3.61
AllSpring (Berk. St.) Emerging Markets *	-3.64	10.92	4.34	6.63	12.81	6.50	0.23	-5.98	5.12	1.16
Axiom Investors Emerging Markets *	-3.00	13.03	6.41	6.98	12.52	7.14	1.80	-2.62	10.13	2.75
Macquarie Emerging Markets *	-2.33	11.18	4.45	7.18	17.11	6.87	-0.67	-4.62	11.43	2.81
	5 Yr Return Sep-2022	5 Yr Return Sep-2021	5 Yr Return Sep-2020	5 Yr Return Sep-2019	5 Yr Return Sep-2018	5 Yr Return Sep-2017	5 Yr Return Sep-2016	5 Yr Return Sep-2015	5 Yr Return Sep-2014	5 Yr Return Sep-2013
MSCI Emerging Markets NetDiv	-1.81	9.23	8.97	2.33	3.61	3.99	3.03	-3.58	4.42	7.22
MSCI Emerging Markets	-1.44	9.62	9.37	2.71	3.99	4.36	3.39	-3.25	4.76	7.56
Harding Loevner Emerging Markets *	-4.96	8.12	7.95							
Aberdeen Global Emerging Markets *	-2.26	9.66	8.45	2.22	1.64	3.16	4.52	-1.33	8.30	12.97
AllSpring (Berk. St.) Emerging Markets *	-2.25	9.49	11.43	3.80	3.03	4.68	2.92	-3.48	5.04	8.99
	1.0.4					(10	5.01	o / /	7 (0	11.04
Axiom Investors Emerging Markets *	-1.94	11.71	11.93	4.08	4.90	6.13	5.91	-0.66	7.49	11.24

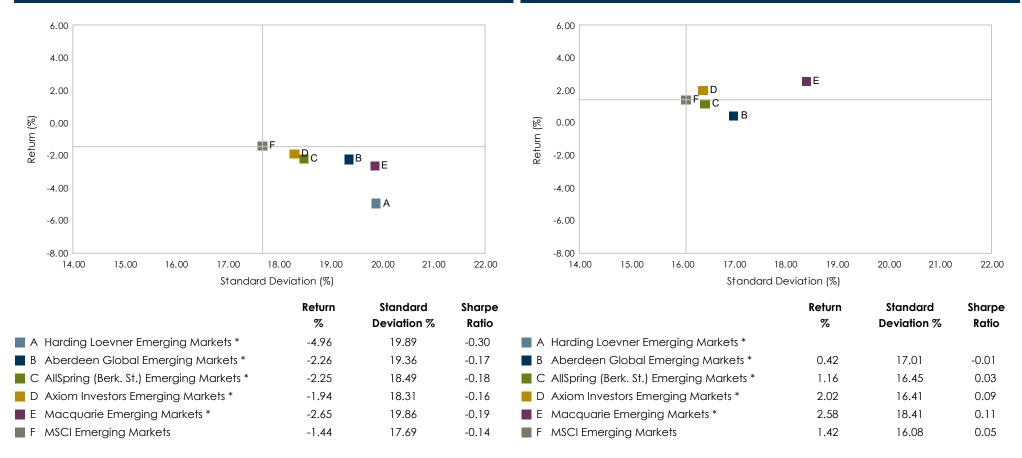
Statistics calculated using monthly return data.

* Statistics calculated using net of fee return data.

	5 Yr Up Cap Sep-2022	5 Yr Down Cap Sep-2022	10 Yr Up Cap Sep-2022	10 Yr Down Cap Sep-2022	5 Yr Trac Error Sep-2022	10 Yr Trac Error Sep-2022	5 Yr Info Ratio Sep-2022	10 Yr Info Ratio Sep-2022	5 Yr Bat Avg Sep-2022	10 Yr Bat Avg Sep-2022
ASCI Emerging Markets NetDiv										
ASCI Emerging Markets										
larding Loevner Emerging Markets *	102.74	111.38			6.12		-0.52		53.33	
Aberdeen Global Emerging Markets *	111.37	107.64	103.96	104.94	4.66	4.73	-0.10	-0.13	53.33	51.67
.IISpring (Berk. St.) Emerging Markets *	101.72	102.37	100.63	100.02	4.26	3.69	-0.10	0.03	48.33	49.17
xiom Investors Emerging Markets *	107.08	104.38	104.34	99.37	4.12	3.57	-0.03	0.27	58.33	62.50
lacquarie Emerging Markets *	106.60	106.31	115.20	104.37	5.27	5.20	-0.16	0.30	46.67	53.33
	10 Yr Return Sep-2022	10 Yr Return Sep-2021	10 Yr Return Sep-2020	10 Yr Return Sep-2019	10 Yr Return Sep-2018	10 Yr Return Sep-2017	10 Yr Return Sep-2016	10 Yr Return Sep-2015	10 Yr Return Sep-2014	10 Yr Return Sep-2013
ISCI Emerging Markets NetDiv	1.05	6.09	2.50	3.37	5.40	1.32	3.94	4.27	10.68	12.80
ISCI Emerging Markets	1.42	6.46	2.87	3.73	5.76	1.65	4.28	4.60	11.03	13.16
larding Loevner Emerging Markets *										
Aberdeen Global Emerging Markets *	0.42	7.06	3.44	5.22	7.16	5.30	8.03	8.17	15.15	17.98
llSpring (Berk. St.) Emerging Markets *	1.16	6.15	3.71	4.42	5.97	3.06	5.73	6.30	12.72	14.94
xiom Investors Emerging Markets *	2.02	8.77	5.44	5.77	8.03	4.25				
acquarie Emerging Markets *	2.58	8.16	4.76	4.47	6.48	3.40	5.81	5.33		

Statistics calculated using monthly return data.

* Statistics calculated using net of fee return data.



For the Periods Ending September 30, 2022

10 Year Risk / Return

5 Year Risk / Return

Statistics calculated using monthly return data.

* Statistics calculated using net of fee return data.

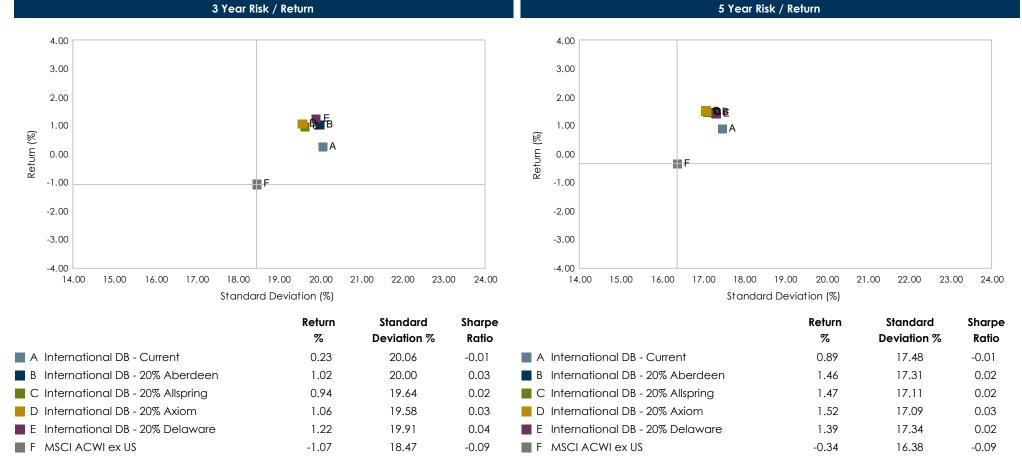
Portfolio Combinations

	1 Yr Return Sep-2022	5 Yr Return Sep-2022	7 Yr Return Sep-2022	1 Yr Std Dev Sep-2022	5 Yr Std Dev Sep-2022	7 Yr Std Dev Sep-2022	1 Yr Sharpe Sep-2022	5 Yr Sharpe Sep-2022	7 Yr Sharpe Sep-2022	
MSCI ACWI ex US NetDiv	-25.17	-0.81	3.29	15.97	16.40	15.18	-1.61	-0.11	0.16	
MSCI ACWI ex US	-24.79	-0.34	3.78	15.97	16.38	15.18	-1.59	-0.09	0.19	
International DB - Current	-28.57	0.89	4.83	16.15	17.48	15.79	-1.81	-0.01	0.25	
International DB - 20% Aberdeen	-28.25	1.46	5.10	15.90	17.31	15.63	-1.82	0.02	0.27	
International DB - 20% Allspring	-27.50	1.47	5.35	15.33	17.11	15.53	-1.83	0.02	0.29	
International DB - 20% Axiom	-28.54	1.52	5.29	15.81	17.09	15.52	-1.84	0.03	0.28	
International DB - 20% Delaware	-27.84	1.39	5.67	15.91	17.34	15.82	-1.79	0.02	0.30	
	1 Yr Return Dec-2021	1 Yr Return Dec-2020	1 Yr Return Dec-2019	1 Yr Return Dec-2018	1 Yr Return Dec-2017	1 Yr Return Dec-2016	1 Yr Return Dec-2015	1 Yr Return Dec-2014	1 Yr Return Dec-2013	1 Yr Return Dec-2012
MSCI ACWI ex US NetDiv	7.82	10.65	21.51	-14.20	27.19	4.50	-5.66	-3.87	15.29	16.83
MSCI ACWI ex US	8.29	11.13	22.13	-13.77	27.77	5.01	-5.25	-3.44	15.78	17.39
International DB - Current	10.41	18.31	28.25	-14.44	29.91	3.68				
International DB - 20% Aberdeen	10.24	20.99	27.07	-13.47	28.69	3.49				
International DB - 20% Allspring	8.52	20.16	28.66	-13.76	30.00	3.47				
International DB - 20% Axiom	10.26	21.50	27.99	-13.95	31.10	2.71				
International DB - 20% Delaware	10.83	20.59	27.87	-13.82	31.29	4.02				

Results in Red indicate underperformance relative to MSCI ACWI ex US NetDiv. Statistics calculated using monthly net of fee return data.

	3 Yr Return Sep-2022	3 Yr Return Sep-2021	3 Yr Return Sep-2020	3 Yr Return Sep-2019	3 Yr Return Sep-2018	3 Yr Return Sep-2017	3 Yr Return Sep-2016	3 Yr Return Sep-2015	3 Yr Return Sep-2014	3 Yr Return Sep-2013
MSCI ACWI ex US NetDiv	-1.52	8.03	1.16	6.33	9.97	4.70	0.18	2.34	11.79	5.95
MSCI ACWI ex US	-1.07	8.52	1.65	6.85	10.49	5.19	0.64	2.78	12.29	6.43
nternational DB - Current	0.23	12.87	4.51	7.52	10.64					
nternational DB - 20% Aberdeen	1.02	13.94	5.04	7.39	10.10					
nternational DB - 20% Allspring	0.94	13.41	5.38	7.77	10.86					
nternational DB - 20% Axiom	1.06	13.84	5.80	7.85	10.81					
nternational DB - 20% Delaware	1.22	13.48	5.42	7.90	11.73					
	5 Yr Return Sep-2022	5 Yr Return Sep-2021	5 Yr Return Sep-2020	5 Yr Return Sep-2019	5 Yr Return Sep-2018	5 Yr Return Sep-2017	5 Yr Return Sep-2016	5 Yr Return Sep-2015	5 Yr Return Sep-2014	5 Yr Return Sep-2013
ASCI ACWI ex US NetDiv	-0.81	8.94	6.23	2.90	4.12	6.97	6.04	1.82	6.03	6.26
ASCI ACWI ex US	-0.34	9.45	6.74	3.39	4.60	7.45	6.52	2.27	6.50	6.74
nternational DB - Current	0.89	11.88	8.72							
nternational DB - 20% Aberdeen	1.46	12.21	8.84							
nternational DB - 20% Allspring	1.47	12.17	9.41							
nternational DB - 20% Axiom	1.52	12.62	9.51							

Results in Red indicate underperformance relative to MSCI ACWI ex US NetDiv. Statistics calculated using monthly net of fee return data.



For the Periods Ending September 30, 2022

3 Year Risk / Return

Statistics calculated using monthly net of fee return data.

Defined Contribution Plan: Emerging Markets Equity Search

Manager Characteristics

Firm & Strategy Details

9/30/2022	Harding Loevner Emerging Markets	Aberdeen Global Emerging Markets	AllSpring (Berk. St.) Emerging Markets	Axiom Investors Emerging Markets	Macquarie Emerging Markets
Ownership	62% Affiliated Managers Group / 38% Employee-owned	100% owned subsidiary of Standard Life Aberdeen	GTCR/Reverence Capital, Employees	100% Employee-Owned	100% Macquarie Group (ASX: MQG)
leam Location(s)	Bridgewater, New Jersey	London, UK	Boston, MA	Greenwich, Connecticut	Boston, Massachusetts
irm AUM	\$52.1B	\$469.2B	\$370.9B	\$14.8B	\$537.2B
trategy AUM	\$7.2B	\$14.2B	\$8.2B	\$5.4B	\$6.2B
itrategy Inception	11/1/1998	1/1/1996	10/1/1997	8/1/2007	10/1/2005
nvestment Style	GARP	Core	Core	Growth	Core
esearch Technique(s)	Bottom-Up Fundamental	Bottom-Up Fundamental	Bottom-Up Fundamental	Bottom-Up Fundamental	Bottom-Up Fundamental
Benchmark	MSCI Emerging Markets	MSCI Emerging Markets NetDiv	MSCI Emerging Markets NetDiv	MSCI Emerging Markets NetDiv	MSCI Emerging Markets NetDiv
loldings Range	50 - 80	50 - 70	90 - 120	70 - 85	115 - 130
Annual Turnover Range	20% - 30%	10% - 30%	10% - 30%	45% - 80%	15% - 30%
/ehicle Type	Commingled Fund	Commingled Fund	Commingled Fund	Commingled Fund	Commingled Fund
/ehicle Minimum	\$1,000,000	\$150,000,000	\$30,000,000	\$5,000,000	\$50,000,000
ee Schedule	All assets at 99 bps	First \$50M at 90 bps, next \$50M at 85 bps, balance at 80 bps	First \$50M at 95 bps, next \$50M at 90 bps, balance at 80 bps	First \$25M at 100 bps, next \$75M at 90 bps, next \$25M at 80 bps, next \$50M at 70 bps, balance at 60 bps	First \$50M at 82 bps, balance at 60 bps
Notes © 2022 Asset Consulting Gro		Negotiated minimum and 80 bps fee (includes operating expenses)	Negotiated minimum and 90 bps fee (includes operating expenses)	Negotiated 75 bps fee (includes operating expenses)	Negotiated minimum and 82 bps (includes operating expenses)

Market Capitalization Allocations (%)

9/30/2022	MSCI Emerging Markets	Aberdeen Global Emerging Markets	AllSpring (Berk. St.) Emerging Markets	Axiom Investors Emerging Markets	Macquarie Emerging Markets
> \$50B	38.00	38.24	38.43	42.02	52.67
\$15B - \$50B	25.80	45.20	20.31	32.54	19.36
\$7.5B - \$15B	15.30	9.01	16.37	15.94	10.12
\$1.5B - \$7.5B	20.53	7.55	22.72	9.50	15.55
\$750M - \$1.5B	0.32	0.00	0.79	0.00	0.64
\$400 - \$750M	0.02	0.00	0.83	0.00	0.97
< \$400M	0.00	0.00	0.55	0.00	0.69
Weighted Average Market Cap	\$79.3B	\$84.4B	\$84.3B	\$99.5B	\$83.6B

Represents the 3 largest market capitalization allocations

Sector Allocations (%)

9/30/2022	MSCI Emerging Markets	Aberdeen Global Emerging Markets	AllSpring (Berk. St.) Emerging Markets	Axiom Investors Emerging Markets	Macquarie Emerging Markets
Communication Services	9.69	6.25	15.63	8.62	12.67
Consumer Discretionary	13.96	12.23	17.54	14.43	12.83
Consumer Staples	6.60	8.76	20.81	6.27	15.18
Energy	5.29	2.06	5.31	5.33	11.47
Financials	22.60	27.19	15.84	24.34	6.25
Health Care	3.89	2.37	3.63	5.04	1.22
Industrials	5.79	6.34	1.37	10.26	1.03
Information Technology	18.27	21.30	15.43	20.18	31.52
Materials	8.74	8.86	2.25	3.16	6.65
Real Estate	2.02	1.16	2.18	0.00	0.17
Utilities	3.16	1.42	0.01	2.38	0.86

Represents the 3 largest sector allocations

Regional Breakdown (%)

9/30/2022	MSCI Emerging Markets	Aberdeen Global Emerging Markets	AllSpring (Berk. St.) Emerging Markets	Axiom Investors Emerging Markets	Macquarie Emerging Markets
Latin America	8.98	14.00	20.00	14.74	15.64
Emerging Europe	1.45	0.00	0.44	0.00	1.09
Africa/Middle East	6.18	3.23	3.26	1.99	0.27
China	31.35	33.00	24.71	33.40	29.15
Emerging Asia Pacific ex-China	46.37	44.34	45.32	44.76	49.84
Frontier Markets	0.00	0.00	0.60	0.00	0.71
Developed Markets	0.00	5.43	5.67	4.68	3.23
Other	0.00	0.00	0.00	0.43	0.00

Represents allocations of at least 10%

Manager Performance & Statistics

	1 Yr Return Sep-2022	5 Yr Return Sep-2022	10 Yr Return Sep-2022	1 Yr Słd Dev Sep-2022	5 Yr Słd Dev Sep-2022	10 Yr Słd Dev Sep-2022	1 Yr Sharpe Sep-2022	5 Yr Sharpe Sep-2022	10 Yr Sharpe Sep-2022	
MSCI Emerging Markets NetDiv	-28.11	-1.81	1.05	13.54	17.68	16.08	-2.12	-0.16	0.03	
MSCI Emerging Markets	-27.80	-1.44	1.42	13.53	17.69	16.08	-2.10	-0.14	0.05	
Harding Loevner Emerging Markets *	-35.78	-4.98		16.94	19.88		-2.15	-0.30		
Aberdeen Global Emerging Markets *	-34.45	-2.26	0.42	14.29	19.36	17.01	-2.45	-0.17	-0.01	
AllSpring (Berk. St.) Emerging Markets *	-31.08	-2.25	1.16	12.76	18.49	16.45	-2.48	-0.18	0.03	
Axiom Investors Emerging Markets *	-35.75	-1.94	2.02	13.46	18.31	16.41	-2.70	-0.16	0.09	
Macquarie Emerging Markets *	-32.62	-2.65	2.58	15.19	19.86	18.41	-2.19	-0.19	0.11	
	1 Yr Return Dec-2021	1 Yr Return Dec-2020	1 Yr Return Dec-2019	1 Yr Return Dec-2018	1 Yr Return Dec-2017	1 Yr Return Dec-2016	1 Yr Return Dec-2015	1 Yr Return Dec-2014	1 Yr Return Dec-2013	1 Yr Return Dec-2012
MSCI Emerging Markets NetDiv	-2.54	18.31	18.42	-14.57	37.28	11.19	-14.92	-2.19	-2.60	18.22
MSCI Emerging Markets	-2.22	18.69	18.88	-14.24	37.75	11.60	-14.60	-1.82	-2.27	18.63
Harding Loevner Emerging Markets *	-3.26	13.57	25.32	-18.61	35.05	13.38				
	-4.16	27.39	20.32	-14.34	28.75	12.05	-13.43	-1.32	-6.95	26.18
Aberdeen Global Emerging Markets *	4.10									
0 0	-11.71	23.25	28.10	-15.60	35.48	12.21	-12.46	-4.67	-1.73	12.99
Aberdeen Global Emerging Markets * AllSpring (Berk. St.) Emerging Markets * Axiom Investors Emerging Markets *		23.25 29.99	28.10 24.79	-15.60 -16.59	35.48 41.22	12.21 8.20	-12.46 -12.19	- 4.67 -1.26	-1.73 3.26	12.99 21.74

Statistics calculated using monthly return data.

* Statistics calculated using net of fee return data.

	3 Yr Return Sep-2022	3 Yr Return Sep-2021	3 Yr Return Sep-2020	3 Yr Return Sep-2019	3 Yr Return Sep-2018	3 Yr Return Sep-2017	3 Yr Return Sep-2016	3 Yr Return Sep-2015	3 Yr Return Sep-2014	3 Yr Return Sep-2013
MSCI Emerging Markets NetDiv	-2.07	8.58	2.42	5.97	12.36	4.90	-0.56	-5.27	7.19	-0.33
MSCI Emerging Markets	-1.71	8.96	2.79	6.37	12.77	5.28	-0.21	-4.93	7.56	0.00
Harding Loevner Emerging Markets *	-6.86	8.08	-0.08	5.32	11.82					
Aberdeen Global Emerging Markets *	-3.19	13.57	2.59	4.63	8.88	4.31	0.08	-5.61	8.59	3.61
AllSpring (Berk. St.) Emerging Markets *	-3.64	10.92	4.34	6.63	12.81	6.50	0.23	-5.98	5.12	1.16
Axiom Investors Emerging Markets *	-3.00	13.03	6.41	6.98	12.52	7.14	1.80	-2.62	10.13	2.75
Macquarie Emerging Markets *	-2.33	11.18	4.45	7.18	17.11	6.87	-0.67	-4.62	11.43	2.81
	5 Yr Return Sep-2022	5 Yr Return Sep-2021	5 Yr Return Sep-2020	5 Yr Return Sep-2019	5 Yr Return Sep-2018	5 Yr Return Sep-2017	5 Yr Return Sep-2016	5 Yr Return Sep-2015	5 Yr Return Sep-2014	5 Yr Return Sep-2013
MSCI Emerging Markets NetDiv	-1.81	9.23	8.97	2.33	3.61	3.99	3.03	-3.58	4.42	7.22
MSCI Emerging Markets	-1.44	9.62	9.37	2.71	3.99	4.36	3.39	-3.25	4.76	7.56
Harding Loevner Emerging Markets *	-4.98	8.01	7.85							
Aberdeen Global Emerging Markets *	-2.26	9.66	8.45	2.22	1.64	3.16	4.52	-1.33	8.30	12.97
AllSpring (Berk. St.) Emerging Markets *	-2.25	9.49	11.43	3.80	3.03	4.68	2.92	-3.48	5.04	8.99
Axiom Investors Emerging Markets *	-1.94	11.71	11.93	4.08	4.90	6.13	5.91	-0.66	7.49	11.24

Statistics calculated using monthly return data.

* Statistics calculated using net of fee return data.

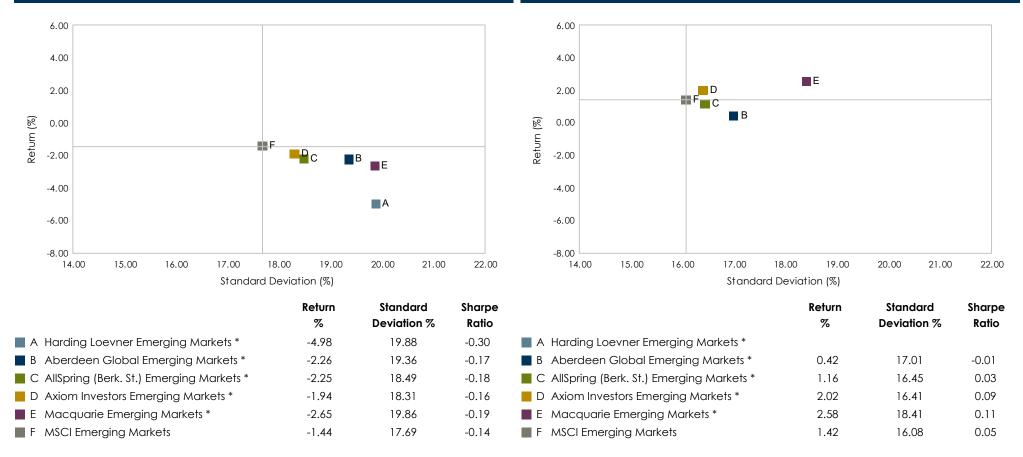
	5 Yr Up Cap Sep-2022	5 Yr Down Cap Sep-2022	10 Yr Up Cap Sep-2022	10 Yr Down Cap Sep-2022	5 Yr Trac Error Sep-2022	10 Yr Trac Error Sep-2022	5 Yr Info Ratio Sep-2022	10 Yr Info Ratio Sep-2022	5 Yr Bat Avg Sep-2022	10 Yr Bat Avg Sep-2022
ASCI Emerging Markets NetDiv										
ASCI Emerging Markets										
Harding Loevner Emerging Markets *	102.74	111.38			6.12		-0.52		53.33	
Aberdeen Global Emerging Markets *	111.37	107.64	103.96	104.94	4.66	4.73	-0.10	-0.13	53.33	51.67
llSpring (Berk. St.) Emerging Markets *	101.72	102.37	100.63	100.02	4.26	3.69	-0.10	0.03	48.33	49.17
xiom Investors Emerging Markets *	107.08	104.38	104.34	99.37	4.12	3.57	-0.03	0.27	58.33	62.50
lacquarie Emerging Markets *	106.60	106.31	115.20	104.37	5.27	5.20	-0.16	0.30	46.67	53.33
	10 Yr Return Sep-2022	10 Yr Return Sep-2021	10 Yr Return Sep-2020	10 Yr Return Sep-2019	10 Yr Return Sep-2018	10 Yr Return Sep-2017	10 Yr Return Sep-2016	10 Yr Return Sep-2015	10 Yr Return Sep-2014	10 Yr Return Sep-2013
ISCI Emerging Markets NetDiv	1.05	6.09	2.50	3.37	5.40	1.32	3.94	4.27	10.68	12.80
ISCI Emerging Markets	1.42	6.46	2.87	3.73	5.76	1.65	4.28	4.60	11.03	13.16
larding Loevner Emerging Markets *										
Aberdeen Global Emerging Markets *	0.42	7.06	3.44	5.22	7.16	5.30	8.03	8.17	15.15	17.98
.IISpring (Berk. St.) Emerging Markets *	1.16	6.15	3.71	4.42	5.97	3.06	5.73	6.30	12.72	14.94
xiom Investors Emerging Markets *	2.02	8.77	5.44	5.77	8.03	4.25				
lacquarie Emerging Markets *	2.58	8.16	4.76	4.47	6.48	3.40	5.81	5.33		

Results in Red indicate underperformance relative to MSCI Emerging Markets NetDiv.

Statistics calculated using monthly return data.

* Statistics calculated using net of fee return data.

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For the Periods Ending September 30, 2022

10 Year Risk / Return

5 Year Risk / Return

Statistics calculated using monthly return data.

* Statistics calculated using net of fee return data.

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Portfolio Combinations

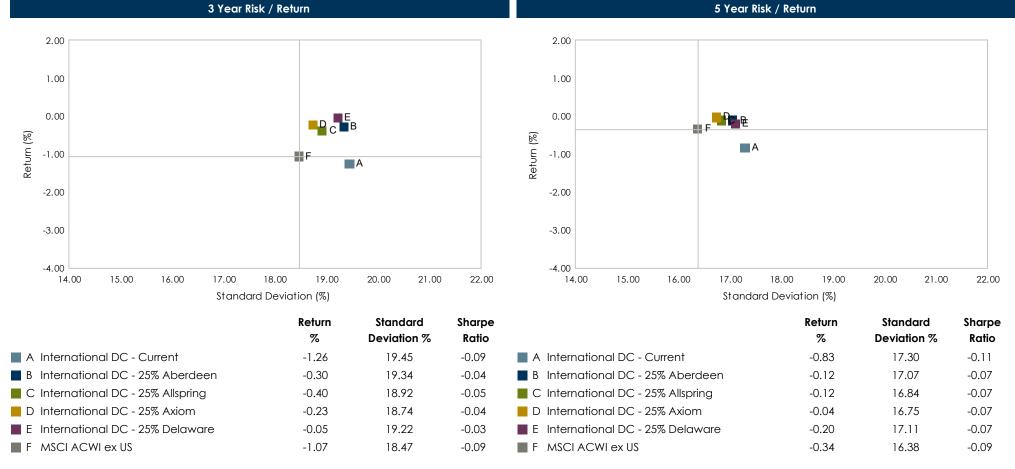
	1 Yr Return Sep-2022	5 Yr Return Sep-2022	7 Yr Return Sep-2022	1 Yr Słd Dev Sep-2022	5 Yr Słd Dev Sep-2022	7 Yr Słd Dev Sep-2022	1 Yr Sharpe Sep-2022	5 Yr Sharpe Sep-2022	7 Yr Sharpe Sep-2022	
MSCI ACWI ex US NetDiv	-25.17	-0.81	3.29	15.97	16.40	15.18	-1.61	-0.11	0.16	
MSCI ACWI ex US	-24.79	-0.34	3.78	15.97	16.38	15.18	-1.59	-0.09	0.19	
International DC - Current	-26.66	-0.83		15.99	17.30		-1.71	-0.11		
International DC - 25% Aberdeen	-26.31	-0.12		15.57	17.07		-1.73	-0.07		
International DC - 25% Allspring	-25.36	-0.12		14.96	16.84		-1.74	-0.07		
International DC - 25% Axiom	-26.67	-0.04		15.32	16.75		-1.78	-0.07		
International DC - 25% Delaware	-25.80	-0.20		15.65	17.11		-1.69	-0.07		
	1 Yr Return Dec-2021	1 Yr Return Dec-2020	1 Yr Return Dec-2019	1 Yr Return Dec-2018	1 Yr Return Dec-2017	1 Yr Return Dec-2016	1 Yr Return Dec-2015	1 Yr Return Dec-2014	1 Yr Return Dec-2013	1 Yr Return Dec-2012
MSCI ACWI ex US NetDiv	7.82	10.65	21.51	-14.20	27.19	4.50	-5.66	-3.87	15.29	16.83
MSCI ACWI ex US	8.29	11.13	22.13	-13.77	27.77	5.01	-5.25	-3.44	15.78	17.39
International DC - Current	7.42	13.53	24.23	-15.44	29.16					
International DC - 25% Aberdeen	7.21	16.88	22.96	-14.34	27.65					
International DC - 25% Allspring	5.12	15.87	24.89	-14.69	29.27					
International DC - 25% Axiom	7.23	17.50	24.08	-14.93	30.63					

Results in Red indicate underperformance relative to MSCI ACWI ex US NetDiv. Statistics calculated using monthly net of fee return data.

	3 Yr Return Sep-2022	3 Yr Return Sep-2021	3 Yr Return Sep-2020	3 Yr Return Sep-2019	3 Yr Return Sep-2018	3 Yr Return Sep-2017	3 Yr Return Sep-2016	3 Yr Return Sep-2015	3 Yr Return Sep-2014	3 Yr Return Sep-2013
MSCI ACWI ex US NetDiv	-1.52	8.03	1.16	6.33	9.97	4.70	0.18	2.34	11.79	5.95
MSCI ACWI ex US	-1.07	8.52	1.65	6.85	10.49	5.19	0.64	2.78	12.29	6.43
International DC - Current	-1.26	9.21	1.43	6.23						
International DC - 25% Aberdeen	-0.30	10.60	2.12	6.08						
International DC - 25% Allspring	-0.40	9.94	2.52	6.56						
International DC - 25% Axiom	-0.23	10.47	3.03	6.65						
International DC - 25% Delaware	-0.05	10.04	2.58	6.71						
	5 Yr Return Sep-2022	5 Yr Return Sep-2021	5 Yr Return Sep-2020	5 Yr Return Sep-2019	5 Yr Return Sep-2018	5 Yr Return Sep-2017	5 Yr Return Sep-2016	5 Yr Return Sep-2015	5 Yr Return Sep-2014	5 Yr Return Sep-2013
MSCI ACWI ex US NetDiv	-0.81	8.94	6.23	2.90	4.12	6.97	6.04	1.82	6.03	6.26
MSCI ACWI ex US	-0.34	9.45	6.74	3.39	4.60	7.45	6.52	2.27	6.50	6.74
International DC - Current	-0.83	9.49								
International DC - 25% Aberdeen	-0.12	9.93								

International DC - 25% Aberdeen	-0.12	9.93
International DC - 25% Allspring	-0.12	9.88
International DC - 25% Axiom	-0.04	10.44
International DC - 25% Delaware	-0.20	10.34

Results in Red indicate underperformance relative to MSCI ACWI ex US NetDiv. Statistics calculated using monthly net of fee return data.



For the Periods Ending September 30, 2022

3 Year Risk / Return

Statistics calculated using monthly net of fee return data.

Appendix – Manager Abstracts

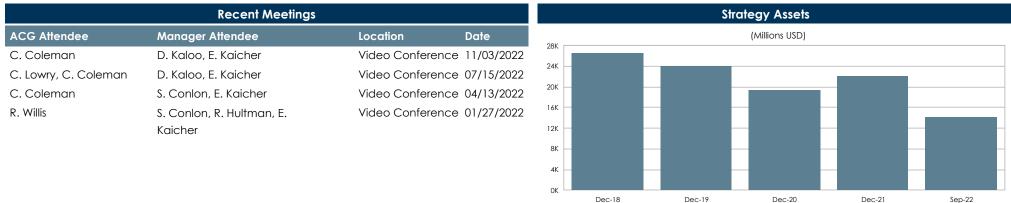
For the Period Ending September 30, 2022

Firm Details		Organization
Aberdeen Asset Management has been providing investment management services since 1983	Address	Standard Life House, 30 Lothian Road
and was listed on the London Stock Exchange in 1991. Aberdeen manages assets across various domestic and international fixed income and equity strategies. The organization is		Edinburgh, United Kingdom EH1 2DH
headquartered in Aberdeen (Scotland) with the U.S. operations headquartered in Philadelphia.	Firm Inception	1983
There are additional investment offices located in London, Paris, New York, Toronto, Singapore, Sydney, Bangkok, Kuala Lumpur, Sao Paulo, Budapest, and Edinburgh. Aberdeen Asset	Team Location(s)	London, UK
Managemnt is now a wholly owned subsidiary of Standard Life Aberdeen. Standard Life	Firm Assets	\$469,200 (Millions)
Aberdeen plc was created in August 2017 following the merger of Aberdeen Asset Management plc and Standard Life plc. Aberdeen Standard Investments is the brand name of the asset	Ownership Structure	100% owned subsidiary of Standard Life
management division of Standard Life Aberdeen plc.		Aberdeen

Investment Strategy		Strategy Information
		Sindlegy mornanon
Aberdeen believes that superior long-term returns are achieved in the inefficient emerging	Benchmark	MSCI Emerging Markets - Net
markets by buying good quality companies at a reasonable price and holding them to capitalize on strong fundamentals that drive stock prices. Bottom-up stock selection using a	Strategy Assets	\$14,175 (Millions)
disciplined approach and direct company visits are the primary source of alpha for the strategy	Strategy Inception	01/01/1996
with top-down factors incorporated during portfolio construction to provide appropriate diversification. The process starts by screening the theoretical universe of all EM stocks for those	Holdings Range	50 - 70
that pass a primary "quality" screen and a secondary "price" screen. The EM investment team	Turnover Range	10% - 30%
looks to identify good quality companies selling at reasonable prices from a "buy list" created by regional equity teams. The buy list of approximately 200 stocks has passed both the quality and	Research Technique /	Bottom-Up Fundamental / Core
price screen/filter. The quality screen identifies companies with a core franchise, sustainable	Investment Style	
earnings growth, quality management, a strong balance sheet, and interests aligned with shareholders. Companies passing the quality screen are then screened on price to determine	Vehicles / Minimums	SMA: \$100M; CF: \$10M; CIT (CL A): \$10M; MF (ABEMX): \$1M.
fair valuation and downside risk potential. Company visits are an integral part of the process. All stocks are ranked from one (best) to five (worst) with a minimum score of three necessary for	Fees/Expense Ratios	SMA and CF: 90 bps on first \$50M, 85 bps on next \$50M,
inclusion in the portfolio. Research reports are circulated and discussed at bi-weekly investment meetings with team decision-making. The portfolio typically consists of 50-70 stocks.		80 bps on balance; CIT (CL A) 85 bps; MF (ABEMX): 110 bps.

	Key Personnel Responsible for Strategy	Key Personnel Departures							
Name	Title	Start	Name	Title	Start End				
Devan Kaloo	Head of Equities	2000	Orsen Karnburisudthi	Head of Equities - Thailand	2006 Jan 2022				
Joanne Irvine	Deputy Head of GEM	1996	Peter Taylor	Head of Brazilian Equities	2007 Dec 2020				
Hugh Young	Managing Director - Asia	1985	Adithep Vanabriksha	Chief Investment Officer - Thailand	2002 Dec 2019				
Flavia Cheong	Head of Equities - Asia Pacific	1996							

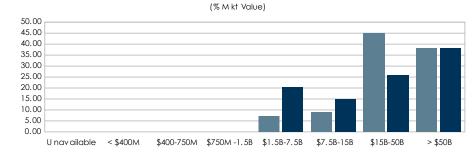
For the Period Ending September 30, 2022



Investment Thesis

Aberdeen has been managing international and emerging market equities for many years with a great deal of success. The firm has extensive resources and research capabilities with over 250 portfolio managers and analysts across the globe, including a large team dedicated to emerging markets. Regional investment teams (and analysts) provide their best ideas using on-the-ground research and management visits from their area to the emerging markets team who is responsible for constructing the highest quality portfolio. This is a large asset manager that is a leader in international and emerging market research with a very experienced and talented investment team. This strategy is defensive and has benefited during difficult market environments because of its process which is focused on buying high quality companies at the right price. The strategy has grown quite large, but it is a moderately diversified, low turnover strategy with most holdings being mid to large cap names, so capacity and liquidity are less of an issue.

Market Cap

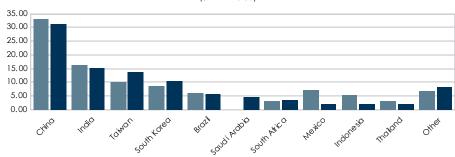


Commentary

Aberdeen's Global Emerging Market strategy outperformed the MSCI Emerging Markets Index by 63 bps in the quarter (-10.79% vs. -11.67%). During the quarter, an overweight position and strong stock selection in Brazil added approximately 50 bps. Positioning in Brazil was the largest drag on relative performance during 2Q; however this positioning turned to a positive during 3Q and Aberdeen continues to view Brazil as one of the few relative safe havens in emerging markets. In addition to country positioning, stock selection in financials was the leading contributor from a sector positioning standpoint. Stock selection in financials contributed approximately 120 bps to relative performance during the quarter and six of the top ten individual contributors came from banks in China, Brazil and India. From a positioning perspective, Aberdeen views financials as proxies for economic growth in developing countries, particularly in their respective domestic markets. Conversely, the strategy has maintained its underweight to communication services with concerns of increasing regulations, competition, and new technology.

Global Emerging M arkets M SCI Emerging M arkets

(% M kt value)



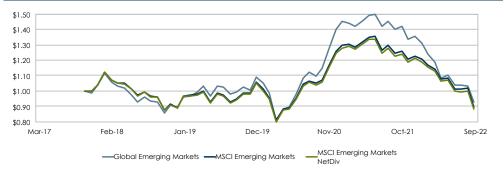
Global Emerging M arkets M SCI Emerging M arkets



For the Periods Ending September 30, 2022



Growth of a Dollar Since Oct 2017





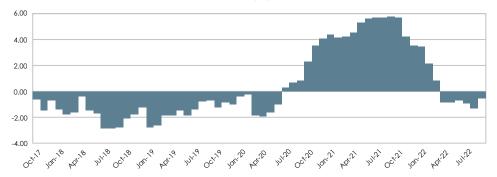


Quarterly Performance Last 20 Quarters

MSCI Emerging Markets

3 Year Excess Rolling Returns Since Oct 2017

vs MSCI Emerging Markets



For the Periods Ending September 30, 2022												
Monthly Returns (%)	Sep 22	Aug 22	Jul 22	Jun 22	May 22	Apr 22	Mar 22	Feb 22	Jan 22	Dec 21	Nov 21	Oct 21
Aberdeen Global Emerging Markets	-10.17	-0.63	-0.06	-5.99	1.81	-8.76	-3.86	-5.76	-3.27	1.39	-5.90	1.65
MSCI Emerging Markets	-11.67	0.45	-0.16	-6.56	0.47	-5.55	-2.22	-2.98	-1.89	1.92	-4.07	1.00
MSCI Emerging Markets NetDiv	-11.72	0.42	-0.25	-6.64	0.44	-5.56	-2.26	-2.99	-1.89	1.88	-4.08	0.99

											Per	formanc	e Stats (120 Mon	ths)
Calendar Year Returns (%)	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	Pos.	Neg.	Best	Worst	Med.
Aberdeen Global Emerging Markets	-3.20	28.66	21.52	-13.47	30.05	13.18	-12.55	-0.32	-6.01	27.47	67	53	13.33	-18.17	0.82
MSCI Emerging Markets	-2.22	18.69	18.88	-14.24	37.75	11.60	-14.60	-1.82	-2.27	18.63	67	53	13.26	-15.38	0.46
MSCI Emerging Markets NetDiv	-2.54	18.31	18.42	-14.57	37.28	11.19	-14.92	-2.19	-2.60	18.22	67	53	13.23	-15.40	0.43

Statistics	Return (%)	Standard Deviation (%)	Sharpe Ratio	Beta	R2 (%)	Alpha (%)	Tracking Error (%)	Batting Average (%)	Up Capture (%)	Down Capture (%)
				1 Year						
Aberdeen Global Emerging Markets	-33.79	14.31	-2.41							
MSCI Emerging Markets	-27.80	13.53	-2.10	0.98	85.88	-8.58	5.38	41.67	109.37	119.64
MSCI Emerging Markets NetDiv	-28.11	13.54	-2.12	0.98	85.64	-8.27	5.43	41.67	113.12	118.80
				3 Years						
Aberdeen Global Emerging Markets	-2.22	21.89	-0.12							
MSCI Emerging Markets	-1.71	19.19	-0.12	1.12	95.68	0.02	5.06	55.56	118.36	110.92
MSCI Emerging Markets NetDiv	-2.07	19.18	-0.13	1.12	95.62	0.42	5.09	55.56	119.56	110.39
				5 Years						
Aberdeen Global Emerging Markets	-1.28	19.37	-0.12							
MSCI Emerging Markets	-1.44	17.69	-0.14	1.07	94.63	0.47	4.64	53.33	113.27	106.88
MSCI Emerging Markets NetDiv	-1.81	17.68	-0.16	1.07	94.55	0.87	4.67	53.33	114.39	106.25

For the Periods Ending September 20, 2022

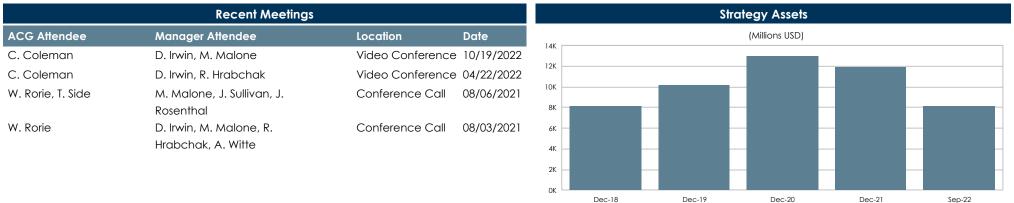
For the Period Ending September 30, 2022

Firm Details		Organization
Wells Fargo Asset Management was rebranded to Allspring Global Investments in November	Address	525 Market Street, 12th Floor
2021 after the acquisition by GTCR LLC and Revernce Capital Partners, two private equity firms. Allspring employees now hold a passive equity interest in the firm and is no longer a publicly		San Francisco, California 94105
traded shop. Allspring (fka Wells Fargo Asset Management) is a multi-boutique asset manager	Firm Inception	1981
with 18 offices globally and over 480 investment professionals across the globe. Allspring will now utilize its headquarters in Charlotte, North Carolina. As a result of this transaction, Allspring	Team Location(s)	Boston, MA
Global Investments now operates formally as an independent global asset manager. Allspring	Firm Assets	\$370,931 (Millions)
believes this rebranding/reorganization into an independent asset management firm will allow for increased investment into the firm's technology platform, wealth distribution network and global footprint.	Ownership Structure	GTCR/Reverence Capital, Employees

Investment Strategy		Strategy Information
The Berkeley Street EM strategy is a fundamentally driven core investment strategy that seeks to	Benchmark	MSCI Emerging Markets - Net
benefit from the pricing inefficiencies that exist in EM equity markets. It seeks to deliver an attractive risk/return profile by investing in quality companies at prices below their intrinsic value.	Strategy Assets	\$8,152 (Millions)
Quality characteristics that the team focuses on include: strong competitive position,	Strategy Inception	10/01/1997
demonstrable financial strength and profitability, quality management dedicated to shareholders' interest, and favorable growth prospects. The team places an equal emphasis on	Holdings Range	90 - 120
understanding each company's intrinsic value and will only invest when a company trades at a	Turnover Range	10% - 30%
meaningful discount to this value. The process begins with a quantitative screen that identifies a pool of potential investments that have demonstrated the team's quality emphasis over time.	Research Technique /	Bottom-Up Fundamental / Core
From here, analysts begin a fundamental review process that has three primary phases: 1.	Investment Style	
Fundamental appraisal (focus on a company's competitive position and growth prospects); 2. Intrinsic value analysis (DCF-based, establishes a price which the team believes the company to	Vehicles / Minimums	SMA: \$25M; CF: \$5M; CIT: \$5M; MF (EMGDX/EMGNX): \$0/\$1M.
be truly worth); 3. Thesis and expectation (seeking companies with secular and structural drivers for underestimated growth potential as well as companies which are either experiencing temporary setbacks or are neglected by investors, for anticipated recovery). With heavy team input, PM Jerry Zhang makes all final purchase decisions for a portfolio of 90-120 holdings.	Fees/Expense Ratios	SMA: 95 bps on first \$50M, 90 bps on next \$50M, 80 bps on balance; CF: 95 bps on first \$50M, 90 bps on next \$50M, 80 bps on balance; CIT (CL E) 95 bps on all assets over \$5M; MF (EMGDX/EMGNX): 112 bps/118 bps.

	Key Personnel Responsible for Strategy	Key Personnel Departures							
Name	Title	Start	Name	Title	Start	End			
Jerry Zhang	Senior Portfolio Manager	2004							
Derrick Irwin	Portfolio Manager	2005							
Richard Peck	Portfolio Manager	2010							
Prashant Paroda	Portfolio Manager	2012							

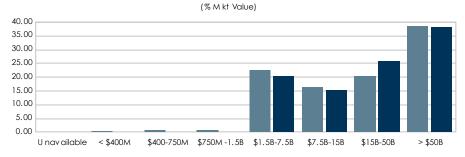
For the Period Ending September 30, 2022



Investment Thesis

This strategy is managed by Jerry Zhang, who has been the lead PM since 2006. Jerry has been a part of the team since 2004, and was named senior portfolio manager when Liu-Er Chen left Wells to manage Delaware's EM strategy in 2006. Under the leadership of Jerry, the Berkeley Street emerging markets strategy is deep with talent and all members of the team are 100% dedicated to emerging markets. This fund follows a core approach to investing that seeks to identify and exploit pricing inefficiencies in high quality companies. Over time, given its high quality focus, this strategy tends to protect more on the downside than it will participate during an up-market. Overall, this is a solid emerging markets option that has exhibited strong performance under its very experienced and dedicated leadership.

Market Cap

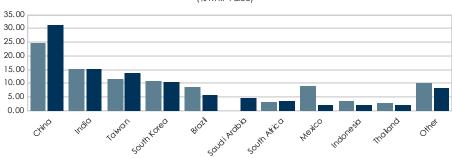


Commentary

The Allspring Intrinsic Emerging Markets Strategy outperformed the MSCI EM Index by 193 bps in the quarter (-9.49% vs.-11.42%). Leading country contributors included Brazil, China, and Mexico due to stock selection in Brazil and China, relative overweight to the outperforming Brazil and Mexico markets and a relative under weight to the underperforming China Market. The largest sector contributors included consumer discretionary and health care. Allspring continues to be cautious in this environment and believes the strength of the US dollar is likely to continue be a headwind for emerging and international markets. However, almost half of the emerging market countries began tightening rates before the US potentially getting ahead of rising inflationary pressures. The strategy continues to like Brazil against this economic backdrop.

Intrinsic Emerging M arkets M SCI Emerging M arkets

(% M kt value)



Intrinsic Emerging M arkets M SCI Emerging M arkets

For the Periods Ending September 30, 2022

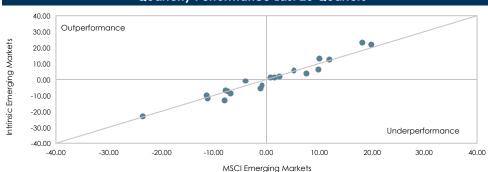


eA Global Emerging Mkts Equity Intrinsic MSCI **MSCI Emerging Emerging Markets Emerging Markets Markets NetDiv** 1 Year Return -30.40 -27.80 -28.11 Rank 72 53 56 3 Year Return -2.71 -1.71 -2.07 Rank 75 62 66 5 Year Return -1.29 -1.44 -1.81 Rank 58 61 71



Growth of a Dollar Since Oct 2017

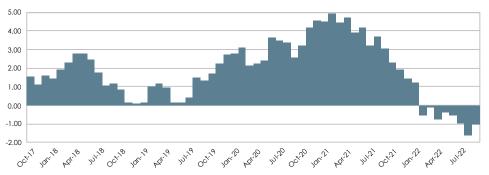




Quarterly Performance Last 20 Quarters

3 Year Excess Rolling Returns Since Oct 2017

vs MSCI Emerging Markets



For the Periods Ending September 30, 2022

Monthly Returns (%)	Sep 22	Aug 22	Jul 22	Jun 22	May 22	Apr 22	Mar 22	Feb 22	Jan 22	Dec 21	Nov 21	Oct 21
AllSpring (Berk. St.) Emerging Markets	-10.17	1.32	-0.55	-6.52	0.93	-6.37	-1.20	-5.91	-1.10	0.04	-4.85	-0.53
MSCI Emerging Markets	-11.67	0.45	-0.16	-6.56	0.47	-5.55	-2.22	-2.98	-1.89	1.92	-4.07	1.00
MSCI Emerging Markets NetDiv	-11.72	0.42	-0.25	-6.64	0.44	-5.56	-2.26	-2.99	-1.89	1.88	-4.08	0.99

											Performance Stats (120 Months)					
Calendar Year Returns (%)	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	Pos.	Neg.	Best	Worst	Med.	
AllSpring (Berk. St.) Emerging Markets	-10.86	24.42	29.36	-14.74	36.81	13.32	-11.51	-3.61	-0.64	14.23	66	54	12.52	-15.80	0.72	
MSCI Emerging Markets	-2.22	18.69	18.88	-14.24	37.75	11.60	-14.60	-1.82	-2.27	18.63	67	53	13.26	-15.38	0.46	
MSCI Emerging Markets NetDiv	-2.54	18.31	18.42	-14.57	37.28	11.19	-14.92	-2.19	-2.60	18.22	67	53	13.23	-15.40	0.43	

Statistics	Return (%)	Standard Deviation (%)	Sharpe Ratio	Beta	R2 (%)	Alpha (%)	Tracking Error (%)	Batting Average (%)	Up Capture (%)	Down Capture (%)
				1 Year						
AllSpring (Berk. St.) Emerging Markets	-30.40	12.76	-2.43							
MSCI Emerging Markets	-27.80	13.53	-2.10	0.89	88.25	-6.99	4.64	50.00	45.13	103.58
MSCI Emerging Markets NetDiv	-28.11	13.54	-2.12	0.88	88.16	-6.68	4.66	50.00	46.68	102.86
				3 Years						
AllSpring (Berk. St.) Emerging Markets	-2.71	20.54	-0.16							
MSCI Emerging Markets	-1.71	19.19	-0.12	1.04	95.19	-0.77	4.58	50.00	106.46	106.33
MSCI Emerging Markets NetDiv	-2.07	19.18	-0.13	1.04	95.22	-0.39	4.57	50.00	107.53	105.82
				5 Years						
AllSpring (Berk. St.) Emerging Markets	-1.29	18.49	-0.13							
MSCI Emerging Markets	-1.44	17.69	-0.14	1.02	94.68	0.30	4.27	51.67	103.44	101.49
MSCI Emerging Markets NetDiv	-1.81	17.68	-0.16	1.02	94.71	0.67	4.26	51.67	104.47	100.89

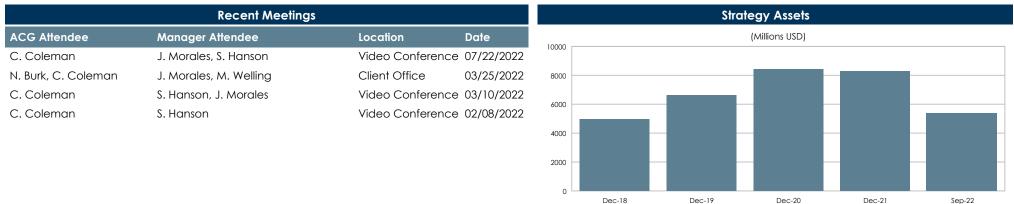
For the Period Ending September 30, 2022

Firm Details		Organization
Axiom International was officially formed on September 1, 1998, as an independent investment	Address	33 Benedict Place
advisor specializing in managing international equity portfolios by Andrew Jacobson and his team of research analysts. Prior to forming Axiom, the investment team was responsible for		Greenwich, Connecticut 06830
developing and managing the international equity strategy at Columbus Circle Investors (CCI),	Firm Inception	1998
a division of PIMCO Advisors LP. Axiom is completely independent and 100% owned by the current employees of the firm. The research team has the advantage of working together in one	Team Location(s)	Greenwich, Connecticut
location. All portfolio managers at Axiom are equity partners, have an average of 25 years'	Firm Assets	\$14,825 (Millions)
experience in the industry and have been collaborating together at Axiom for an average of 10 years.	Ownership Structure	100% Employee-Owned

Investment Strategy		Strategy Information
Axiom identifies companies whose key business drivers are both improving and exceeding	Benchmark	MSCI Emerging Markets - Net
expectations through its systematic process of data collection, analysis and portfolio construction. Axiom employs an active, fundamental, bottom-up, growth-oriented investment	Strategy Assets	\$5,359 (Millions)
discipline across all strategies firm-wide. The firm does not begin the research process with	Strategy Inception	08/01/2007
screening databases. This approach tends to be more backward looking, assumptions need to be made on future arowth and valuation metrics and there can be an inordinate amount of	Holdings Range	70 - 85
forecast error associated with these assumptions. Conversely, in order to reduce forecast error	Turnover Range	45% - 80%
and better understand how enterprises currently operate and will perform going forward, Axiom's investment team conducts detailed fundamental stock analysis to identify companies whose current operational metrics are materially pacing ahead of market expectations, where	Research Technique / Investment Style	Bottom-Up Fundamental / Growth
these operational improvements are not yet reflected by the market and where these improvements will lead to earning upgrades and share price appreciation. The investment	Vehicles / Minimums	SMA: \$50M; CF: \$5M
team monitors these operational metrics against consensus expectations in real time and Axiom seeks to provide 200 - 300 basis points of outperformance over a full market cycle by investing in dynamic growth opportunities.	Fees/Expense Ratios	SMA/CF: First \$25M at 100 bps, next \$75M at 90 bps, next \$25M at 80 bps, next \$50M at 70 bps, balance at 60 bps

	Key Personnel Responsible for Strategy		Key Personnel Departures							
Name	Title	Start	Name	Title	Start	End				
Andrew Jacobson	CEO / Chief Investment Officer	1998	Christopher Lively	Managing Director / Portfolio Manager	2007	Apr 2021				
Donald Elefson	Senior Vice President / Portfolio Manager	2012								
Jose Morales	Senior Vice President / Portfolio Manager	2017								
Young Kim	Senior Vice President/Portfolio Manager	2021								

For the Period Ending September 30, 2022

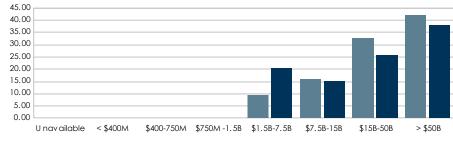


Investment Thesis

Axiom is a 100% employee owned investment boutique with no outside equity interests. The investment team has the advantage of implementing one investment discipline, together, in one location across synergistic asset classes. Over time, this consistent, time-tested, forward looking investment approach has generated attractive investment performance since each strategy's inception. All portfolio managers at Axiom are partners and this real equity ownership assists in creating stability on the team. Most recently, Axiom has added equity ownership opportunities for senior career analysts.

Market Cap



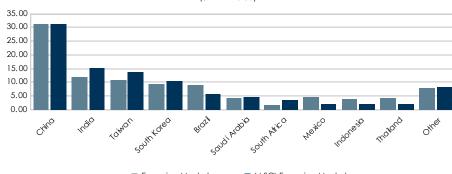


Emerging M arkets
M SCI Emerging M arkets

Commentary

Axiom's Emerging Markets strategy underperformed the MSCI EM Index by 229 bps (-13.71% vs. -11.42%) during the quarter. Poor stock selection in China detracted approximately 250 bps during and accounted for substantially all of the relative underperformance during the quarter. The largest detractors in China were Country Garden Services, BYD, due to a stake sale by a major shareholder, China Longyuan Power Group, Yunnan Energy and Baidu. On the positive side, the strategy had strong contributors in Brazil, India, health care, and communication services. Going forward, the strategy continues to like Latin America (Brazil in particular) as they believe Brazil is behind peak inflation and the election overhang will likely clear soon with few surprises. Conversely, they remain relatively negative on China post the Party Congress in China and a weak export macro.

(% M kt value)



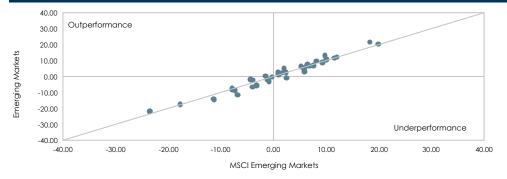
Emerging M arkets
M SCI Emerging M arkets

For the Periods Ending September 30, 2022



eA Global Emerging Mkts Equity

	Emerging Markets	MSCI Emerging Markets	MSCI Emerging Markets NetDiv
1 Year Return	-35.10	-27.80	-28.11
Rank	93	53	56
3 Year Return	-2.05	-1.71	-2.07
Rank	66	62	66
5 Year Return	-0.98	-1.44	-1.81
Rank	53	61	71
10 Year Return	3.02	1.42	1.05
Rank	37	78	86



Quarterly Performance Last 40 Quarters

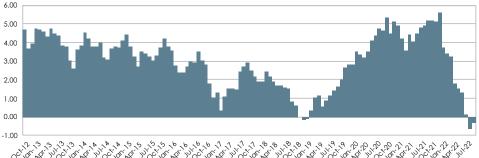


Growth of a Dollar Since Oct 2012



3 Year Excess Rolling Returns Since Oct 2012

vs MSCI Emerging Markets



For the Periods Ending September 30, 2022

Monthly Returns (%)	Sep 22	Aug 22	Jul 22	Jun 22	May 22	Apr 22	Mar 22	Feb 22	Jan 22	Dec 21	Nov 21	Oct 21
Axiom Investors Emerging Markets	-10.52	-0.99	-2.60	-6.29	-0.01	-8.54	-1.43	-4.06	-5.96	2.39	-4.37	0.78
MSCI Emerging Markets	-11.67	0.45	-0.16	-6.56	0.47	-5.55	-2.22	-2.98	-1.89	1.92	-4.07	1.00
MSCI Emerging Markets NetDiv	-11.72	0.42	-0.25	-6.64	0.44	-5.56	-2.26	-2.99	-1.89	1.88	-4.08	0.99

											Performance Stats (120 Months)					
Calendar Year Returns (%)	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	Pos.	Neg.	Best	Worst	Med.	
Axiom Investors Emerging Markets	-3.22	31.22	25.98	-15.76	42.58	9.30	-11.29	-0.26	4.30	22.94	65	55	12.31	-14.97	0.29	
MSCI Emerging Markets	-2.22	18.69	18.88	-14.24	37.75	11.60	-14.60	-1.82	-2.27	18.63	67	53	13.26	-15.38	0.46	
MSCI Emerging Markets NetDiv	-2.54	18.31	18.42	-14.57	37.28	11.19	-14.92	-2.19	-2.60	18.22	67	53	13.23	-15.40	0.43	

	Return	Standard Deviation	Sharpo		R2	Alpha	Tracking	Batting	Up	Down Capturo
Statistics	(%)	(%)	Sharpe Ratio	Beta	K2 (%)	Alpha (%)	Error (%)	Average (%)	Capture (%)	Capture (%)
				1 Year						
Axiom Investors Emerging Markets	-35.10	13.46	-2.65							
MSCI Emerging Markets	-27.80	13.53	-2.10	0.91	83.68	-12.38	5.57	33.33	55.38	119.55
MSCI Emerging Markets NetDiv	-28.11	13.54	-2.12	0.91	83.56	-12.09	5.60	33.33	57.28	118.72
				3 Years						
Axiom Investors Emerging Markets	-2.05	20.04	-0.13							
MSCI Emerging Markets	-1.71	19.19	-0.12	1.01	93.79	-0.20	5.00	58.33	109.09	105.86
MSCI Emerging Markets NetDiv	-2.07	19.18	-0.13	1.01	93.75	0.17	5.01	58.33	110.19	105.35
				5 Years						
Axiom Investors Emerging Markets	-0.98	18.31	-0.11							
MSCI Emerging Markets	-1.44	17.69	-0.14	1.01	94.98	0.57	4.10	58.33	108.77	103.54

MSCI Emerging Markets NetDiv	-1.81	17.68	-0.16	1.01	94.95	0.94	4.12	60.00	109.85	102.93
			1	10 Years						
Axiom Investors Emerging Markets	3.02	16.41	0.15							
MSCI Emerging Markets	1.42	16.08	0.05	1.00	95.26	1.65	3.57	64.17	106.15	98.25
MSCI Emerging Markets NetDiv	1.05	16.08	0.03	1.00	95.26	2.02	3.57	65.00	107.31	97.65

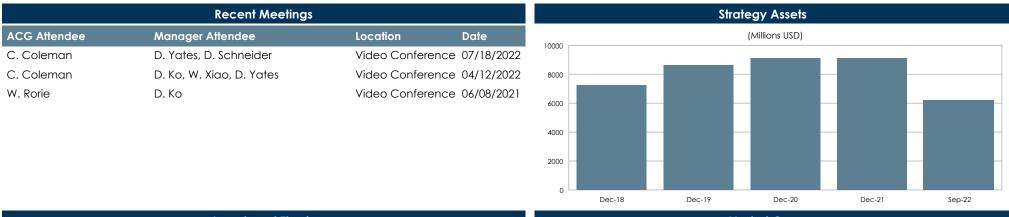
For the Period Ending September 30, 2022

Firm Details	Organization				
The firm was established in 1972 to provide investment advisory services for separately managed	Address	One Commerce Square, 2005 Market Street			
institutional accounts. In April 1995, Delaware Investments (prior name) was acquired by Lincoln National Corporation. In January 2010, Delaware Investments was sold to Macquarie Group		Philadelphia, Pennsylvania 19103			
Limited. As a result of the acquisition, Delaware Investments' clients gained the opportunity to	Firm Inception	1929			
invest in new products with access to Macquarie's investment strategies, notably in real assets, global fixed income, and alternatives. Macquarie clients, across its global network, will be	Team Location(s)	Boston, Massachusetts			
offered investment solutions involving Delaware's investment strategies. On March 31, 2017,	Firm Assets	\$537,178 (Millions)			
laware Investments adopted the name of its parent and became Macquarie Investment anagement (MIM) to reflect the firm's global investment capabilities.	Ownership Structure	100% Macquarie Group (ASX: MQG)			

Investment Strategy		Strategy Information
Macquarie believes that investment opportunities in emerging markets can best be captured	Benchmark	MSCI Emerging Markets
through comprehensive analysis focused on identifying the divergence between stock price and intrinsic business value. The strategy seeks to provide consistent investment returns utilizing a	Strategy Assets	\$6,183 (Millions)
bottom-up, fundamental, investment process that attempts to identify companies with	Strategy Inception	10/01/2005
sustainable business franchises. Top-down market analysis is also a consideration in the process. Investment ideas are generated via three primary sources: a multi-factor screen, external events,	Holdings Range	115 - 130
and internal team discussion. Securities in the MSCI Emerging Markets Index are segmented into	Turnover Range	15% - 30%
quintiles utilizing a multi-factor screen which includes: valuation, profitability, balance-sheet strength, and earnings-growth factors. Factors are weighted differently across countries and sectors depending on their judgment of each factor's relevance for a particular country or	Research Technique / Investment Style	Bottom-Up Fundamental / Core
sector. Stocks are selected for further fundamental review based on their relative attractiveness versus other investment candidates. After initial quantitative screens, analysis, and a discussion is	Vehicles / Minimums	SMA: \$75M; MF (DEMIX/DEMZX): \$0/\$0M.
complete, the team is left with a core list of 250 stocks requiring greater evaluation. Buy candidates possess the following characteristics: strong business franchise, proven management, financial strength, minimal operational risk, supportive regulatory environment, identifiable catalyst for change, and are priced at a discount to intrinsic value.	Fees/Expense Ratios	SMA: First \$50M at 110 bps, next \$50M at 90 bps, next \$100M at 75 bps, balance at 60 bps; MF (DEMIX/DEMZX): 123 bps/114 bps.

Key Personnel Responsible for Strategy			Key Personnel Departures					
Name	Title	Start	Name	Title	Start	End		
Liu-Er Chen	SVP, CIO - Emerging Markets	2006						
Wei Xiao	VP, Senior Equity Analyst	2011						
Jeffrey Wang	VP, Senior Equity Analyst	2007						
Daniel Ko	Equity Analyst	2012						

For the Period Ending September 30, 2022

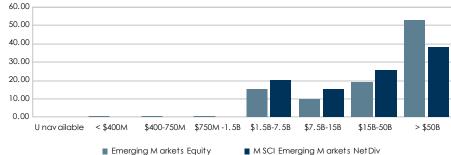


Investment Thesis

The Chief Investment Officer Liu-Er ("Nu") Chen has a proven track record dating back to 1999-2001 where he co-managed the Evergreen Emerging Markets Growth fund and became sole manager from 2001-2006. The mutual fund associated with this strategy had been managed by Mondrian from 1996-2006 before they resigned as the sub-advisor in June 2006. Nu's team at Delaware is considered close knit and collaborative. Each analyst in the group has specific regional research responsibilities. This strategy been able to outperform across a variety of market environments (see outperformance in both (2009, 2013 and 2017). This is an attractive emerging markets strategy that has underperformed the index in only four calendar years since the team's inception in 2006.

Market Cap



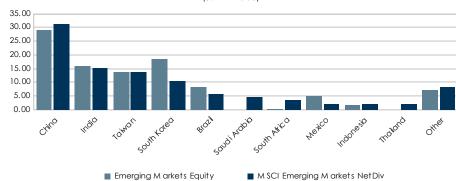


Commentary

Macquarie's (Delaware) Emerging Markets strategy underperformed the MSCI Emerging Markets Index by 115 bps (-12.56% vs. -11.42%) in the quarter. Relative underperformance for the quarter and for the YTD period have been driven by three themes; the ongoing conflict in the Ukraine and the resulting oil/gas supply fallout hindering economic growth in the region. Second, the continued hard-line Zero-Covid policy in China and the continued strength of the US dollar. During the quarter, India detracted the most from relative performance due to an overweight position to Reliance Industries which came under pressure after the Indian government announced windfall taxes on the energy sector. An overweight position to semiconductors in Taiwan and South Korea also detracted as demand started to deteriorate leading to concerns over rising inventories and potential price declines.

(% M kt value)

Country Allocation



For the Periods Ending September 30, 2022



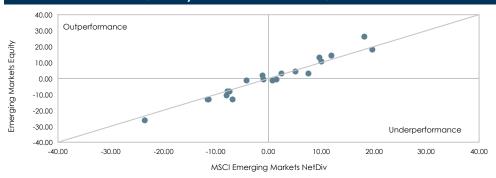
eA Global Emerging Mkts Equity

	Emerging Markets Equity	MSCI Emerging Markets NetDiv	MSCI EM Value
1 Year Return	-31.88	-28.11	-23.17
Rank	81	56	24
3 Year Return	-1.25	-2.07	-2.07
Rank	54	66	66
5 Year Return	-1.57	-1.81	-1.62
Rank	64	71	65



Growth of a Dollar Since Oct 2017

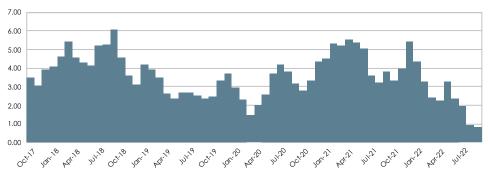




Quarterly Performance Last 20 Quarters

3 Year Excess Rolling Returns Since Oct 2017

vs MSCI Emerging Markets NetDiv



For the Periods Ending September 30, 2022

Monthly Returns (%)	Sep 22	Aug 22	Jul 22	Jun 22	May 22	Apr 22	Mar 22	Feb 22	Jan 22	Dec 21	Nov 21	Oct 21
Macquarie Emerging Markets	-11.79	-0.14	-0.74	-8.37	1.16	-5.66	-4.33	-6.24	-2.75	3.54	-1.74	0.40
MSCI Emerging Markets NetDiv	-11.72	0.42	-0.25	-6.64	0.44	-5.56	-2.26	-2.99	-1.89	1.88	-4.08	0.99
MSCI EM Value	-10.18	0.17	-0.76	-6.21	0.90	-5.61	-1.04	-1.63	-0.73	3.62	-4.12	0.35

											Performance Stats (120 Months)				ths)
Calendar Year Returns (%)	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	Pos.	Neg.	Best	Worst	Med.
Macquarie Emerging Markets	-0.76	26.63	25.43	-15.03	43.75	16.26	-13.63	-6.53	11.88	16.37	68	52	13.98	-16.15	0.46
MSCI Emerging Markets NetDiv	-2.54	18.31	18.42	-14.57	37.28	11.19	-14.92	-2.19	-2.60	18.22	67	53	13.23	-15.40	0.43
MSCI EM Value	4.50	5.97	12.52	-10.26	28.67	15.48	-18.16	-3.60	-4.70	16.38	66	54	14.68	-17.51	0.38

	Return	Standard Deviation	Sharpe		R2	Alpha	Tracking Error	Batting Average	Up Capture	Down Capture
Statistics	(%)	(%)	Ratio	Beta	(%)	(%)	(%)	(%)	(%)	(%)
				1 Year						
Macquarie Emerging Markets	-31.88	15.20	-2.14							
MSCI Emerging Markets NetDiv	-28.11	13.54	-2.12	1.05	87.88	-3.28	5.34	25.00	133.08	114.34
MSCI EM Value	-23.17	13.07	-1.82	1.05	82.09	-9.60	6.47	33.33	98.41	130.63
				3 Years						
Macquarie Emerging Markets	-1.25	22.10	-0.08							
MSCI Emerging Markets NetDiv	-2.07	19.18	-0.13	1.12	93.71	1.45	5.97	50.00	118.12	107.10
MSCI EM Value	-2.07	19.62	-0.13	1.03	83.87	1.33	8.90	58.33	111.26	103.66
				5 Years						
Macquarie Emerging Markets	-1.57	19.88	-0.13							
MSCI Emerging Markets NetDiv	-1.81	17.68	-0.16	1.09	93.56	0.66	5.28	50.00	109.89	104.77
MSCI EM Value	-1.62	17.84	-0.15	1.02	84.55	0.42	7.82	51.67	107.32	104.02

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Oklahoma Municipal Retirement Fund

ANALYSIS OF DEMOGRAPHIC EXPERIENCE

through Calendar Year 2021

November 18, 2022

Prepared by

DEAN ACTUARIES, LLC 6440 MILTON STREET, SUITE 720 DALLAS, TX 75206 (2 | 4) 89 | -0990

deanco@retsource.com

Actuarial Terms and Concepts

Credibility

- Volume of data
- Frequency of event
- Recentness of data
- Market cycles
- Treatment of unusual data

Exposure

- Actively employed participants
- Annuitants in pay status
- Participant "Life Years"

Overview

Credible Demographic Experience

- Termination
- Retirement
- Pay Increase

Relative Demographic Experience

Annuitant Mortality

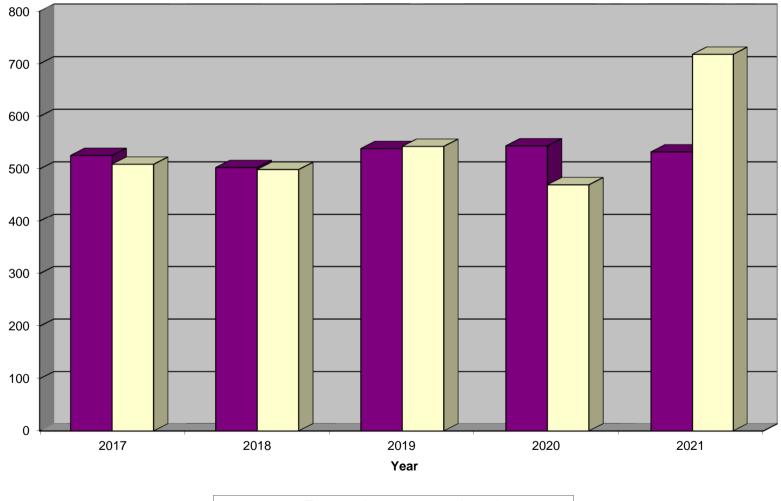
Other Demographic Experience (not reviewed)

- Active Participant Mortality
- Deferred Terminee Mortality
- Disablement

Termination Experience

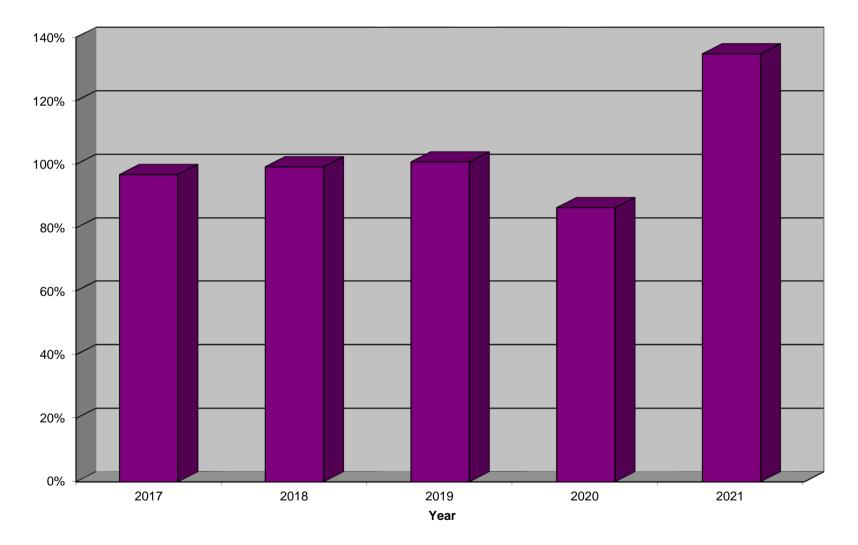
2017-2021 15,493 Participant Life Years

Actual Versus Expected Terminations

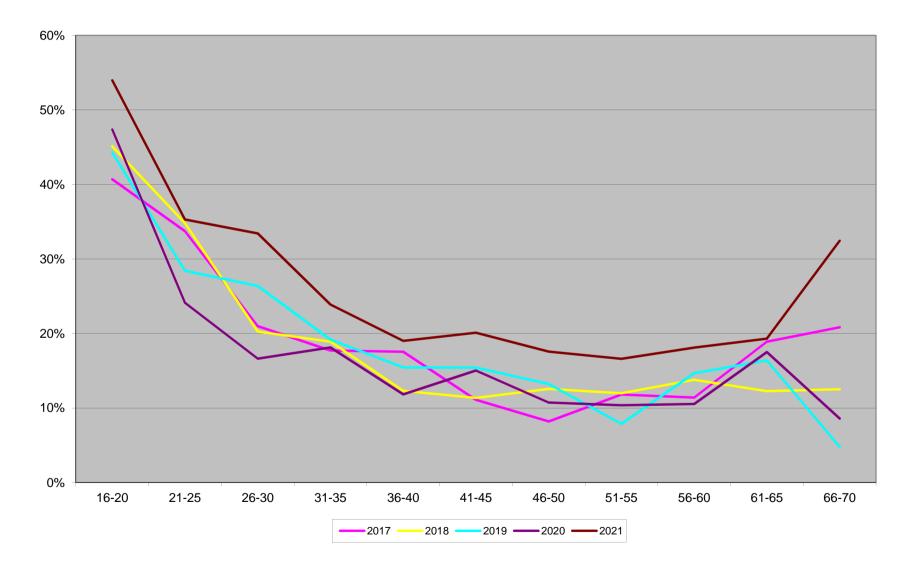


Expected CActual

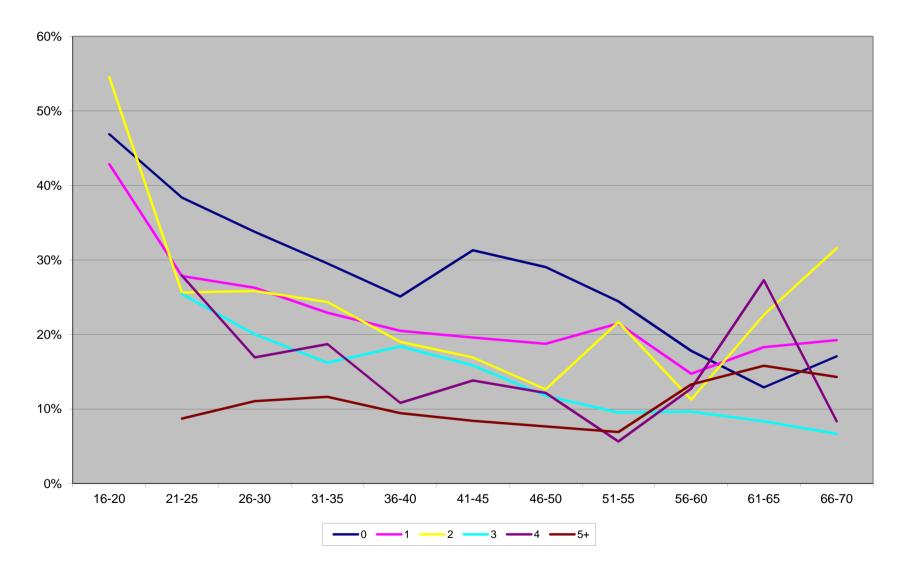




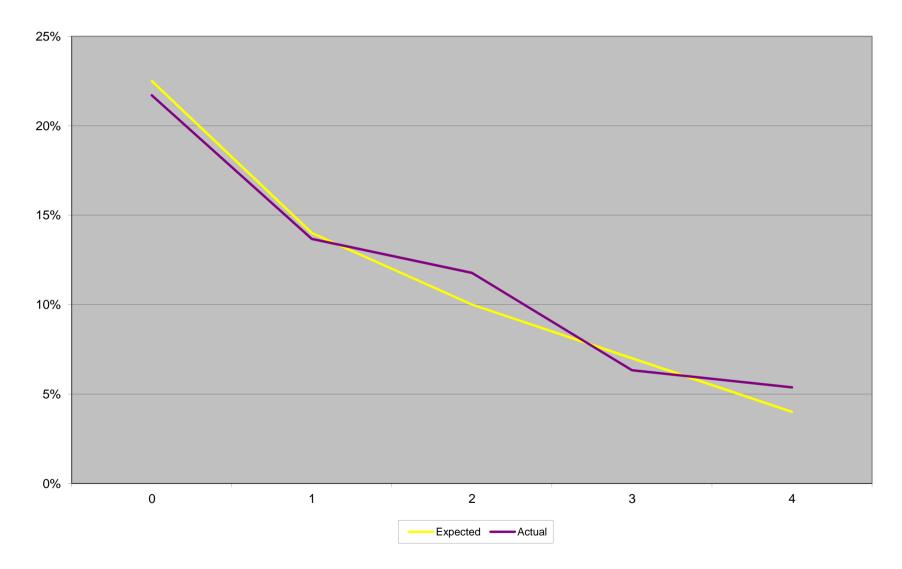
Termination Rates by Age



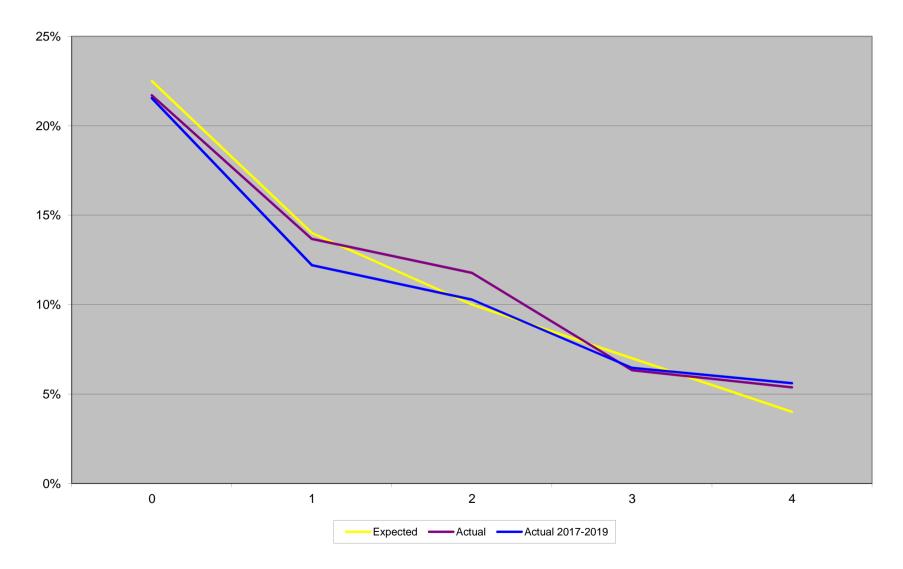
Termination Rates by Age and Service



Incremental Termination Rates by Completed Years of Service



Incremental Termination Rates by Completed Years of Service



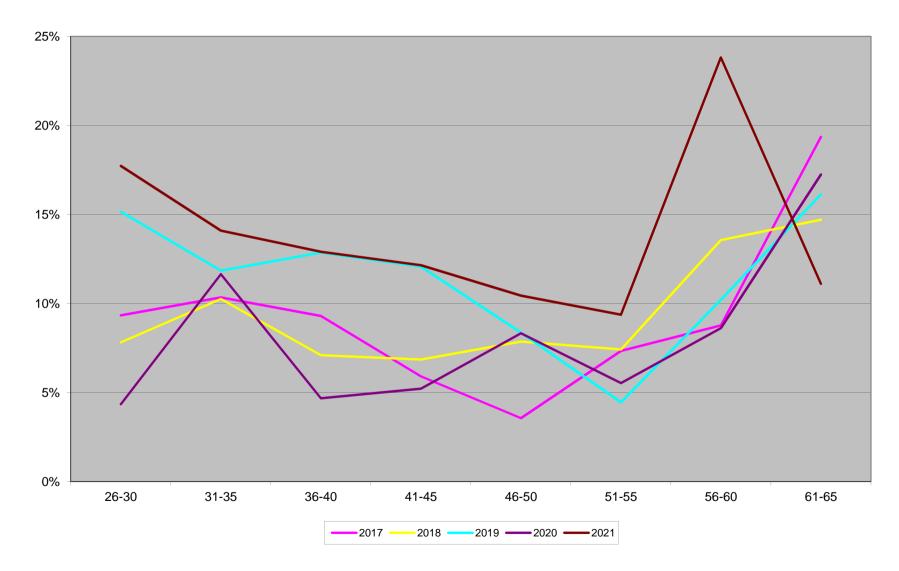
Termination Experience Recommendations

Level service increment (independent of age)

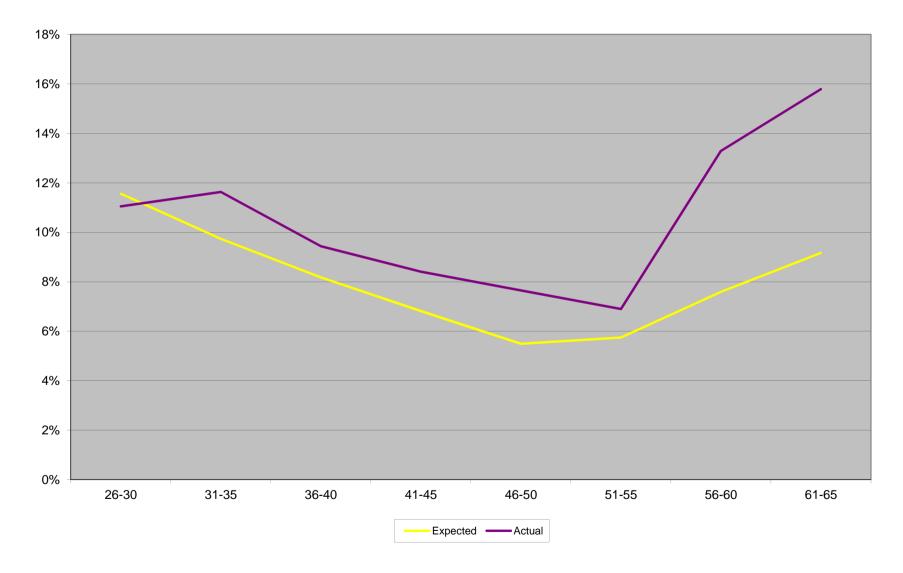
No changes to incremental service rates

	0	1	2	3	4
Assumption	22.5%	14.0%	10.0%	7.0%	4.0%
2007-2011 experience 2012-2016 experience 2017-2021 experience 2017-2019 experience	22.4% 22.4% 21.7% 21.5%	14.3% 14.1% 13.7% 12.2%	9.3% 11.0% 11.8% 10.3%	6.1% 9.8% 6.3% 6.5%	5.4% 4.4% 5.4% 5.6%
Recommendation	22.5%	14.0%	10.0%	7.0%	4.0%

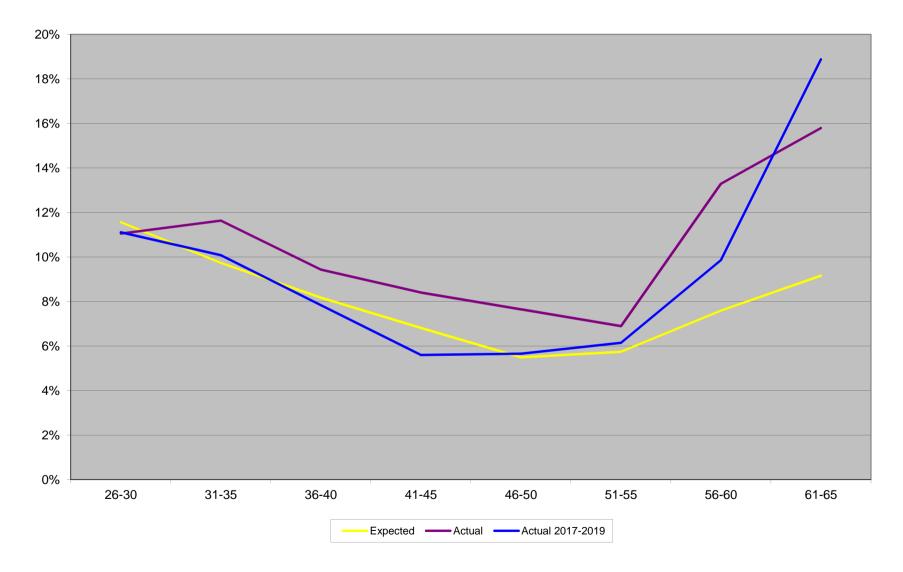
Termination Rates by Age, 5+ Years of Service



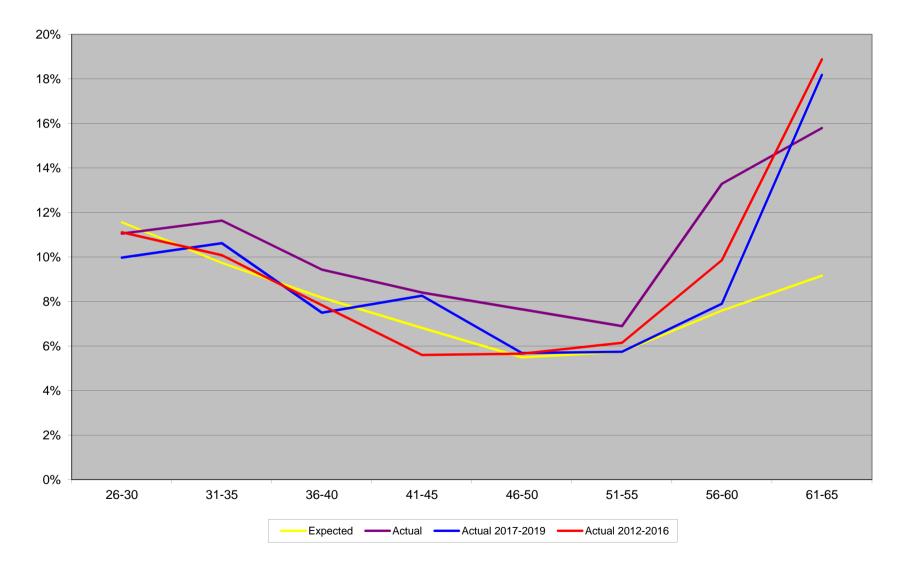
Actual Versus Expected Termination Rates by Age, 5+ Years of Service



Actual Versus Expected Termination Rates by Age, 5+ Years of Service



Actual Versus Expected Termination Rates by Age, 5+ Years of Service



Termination Experience Recommendations

Maintain adopt asymmetric U-shape of ultimate rates

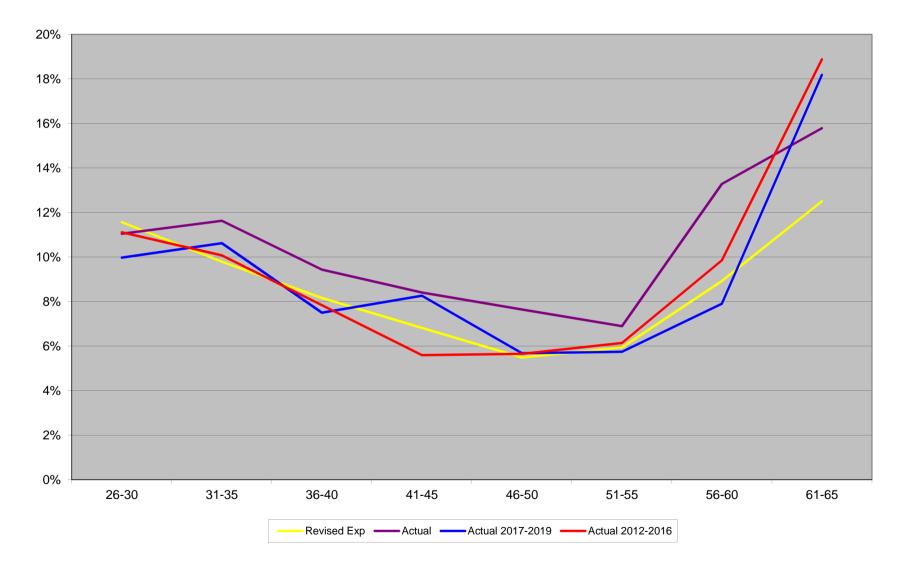
Increase age 65 bend point from 10% to 15%

Rates geometrically progress over 15-year intervals

- from 15% at age 20 to 9% at age 35
- from 9% at age 35 to 5% at age 50
- from 5% at age 50 to **15%** at age 65

Ultimate rate levels out at **15%** for ages 65 and above

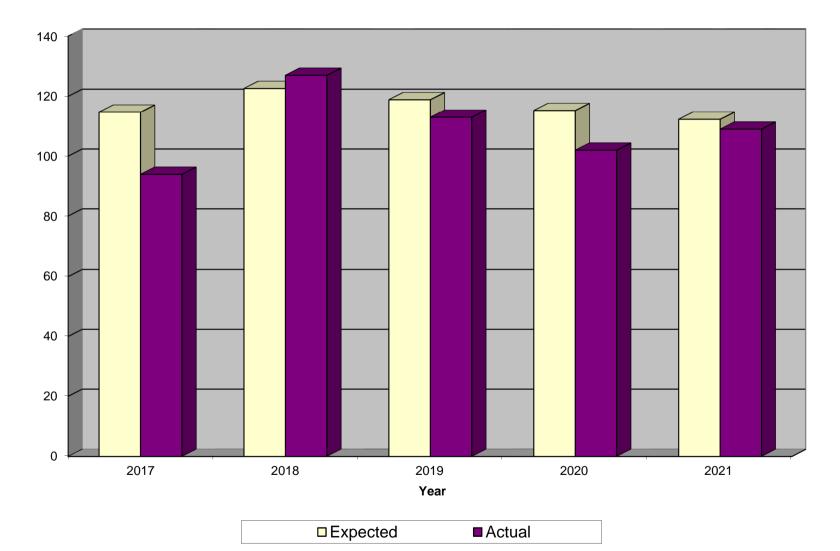
Actual Versus Revised Termination Rates by Age, 5+ Years of Service



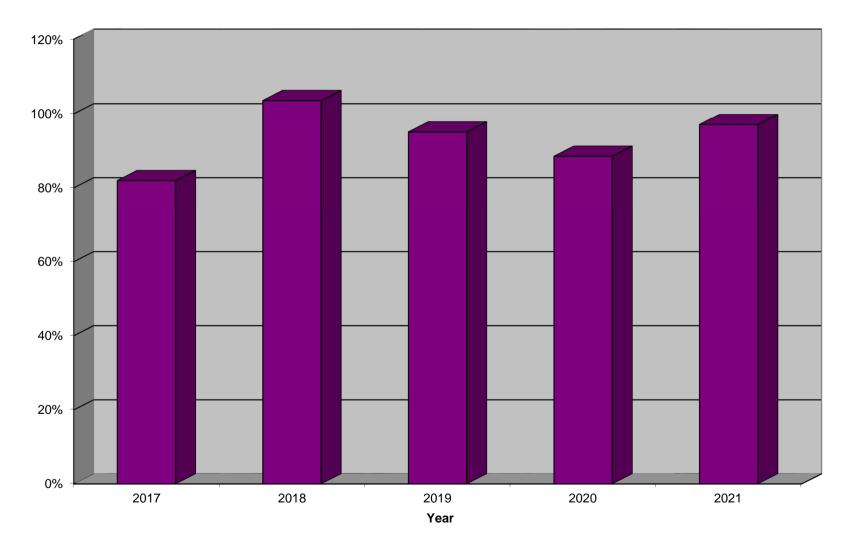
Retirement Experience

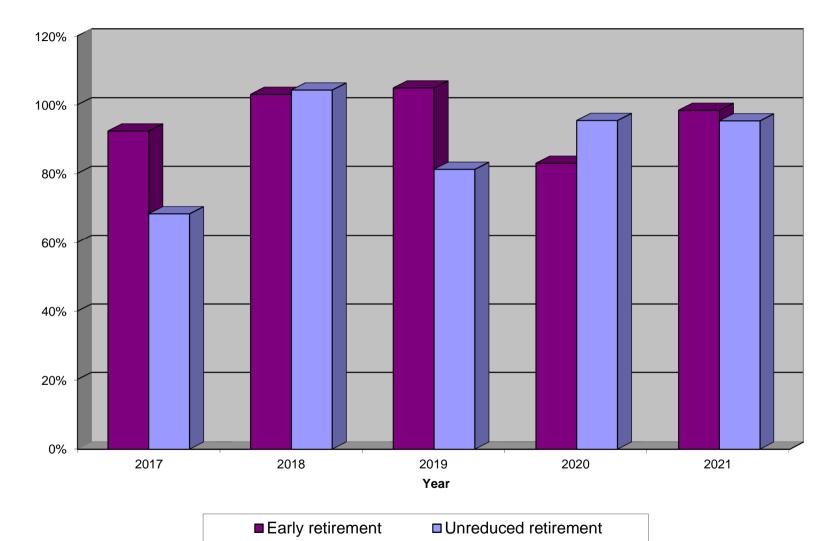
2017-2021 3,925 Participant Life Years

Actual Versus Expected Retirements



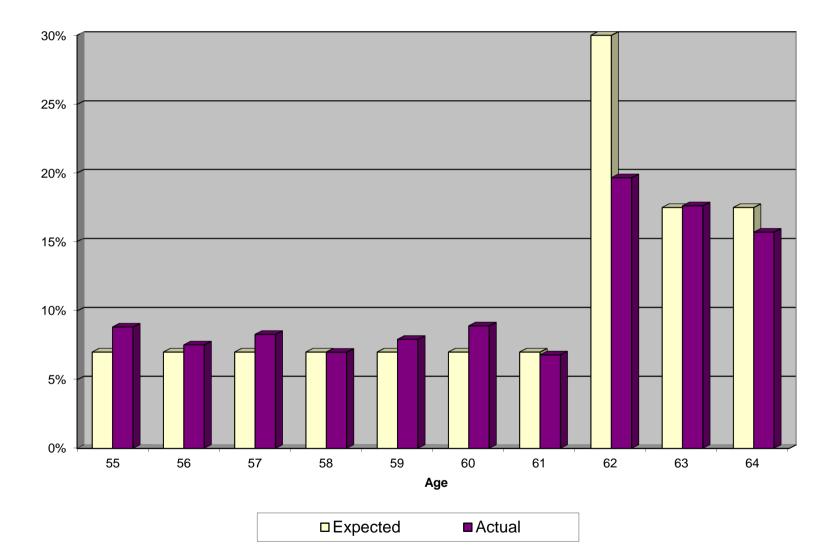
Ratio of Actual Versus Expected Retirements

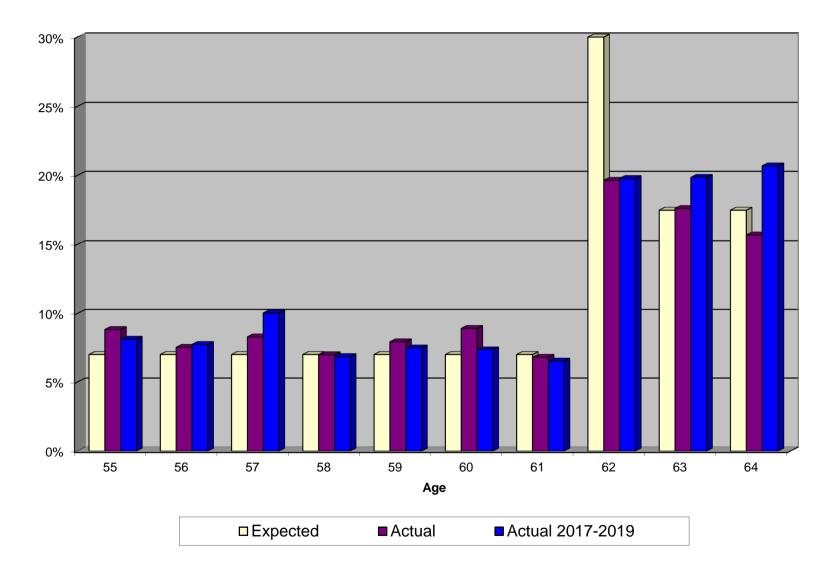


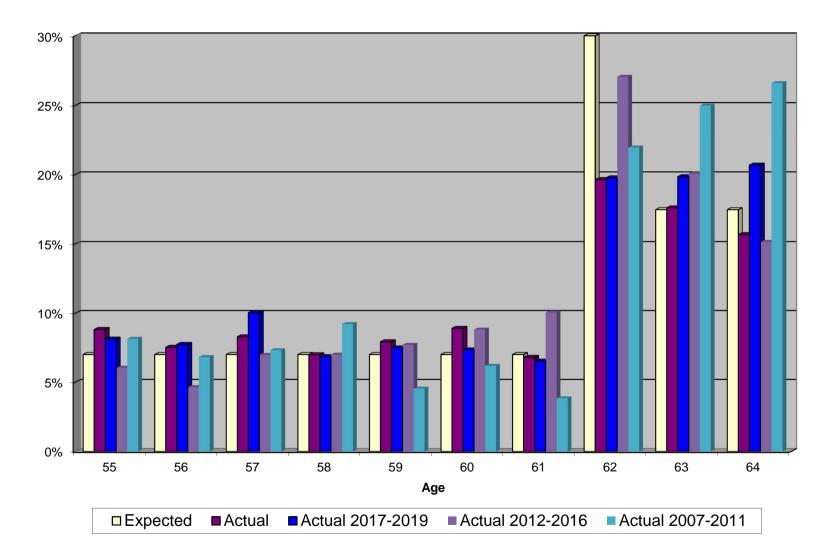


Ratio of Actual Versus Expected Retirements

Early (Reduced) Retirement Rates by Age



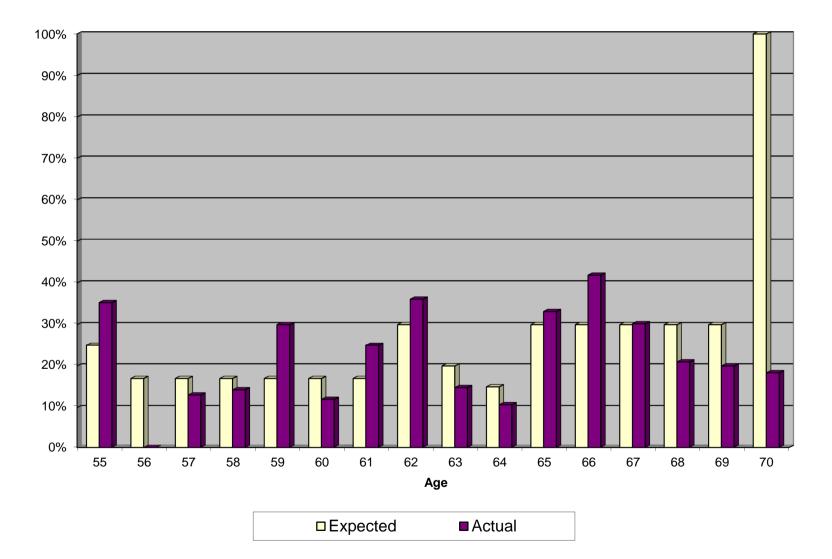




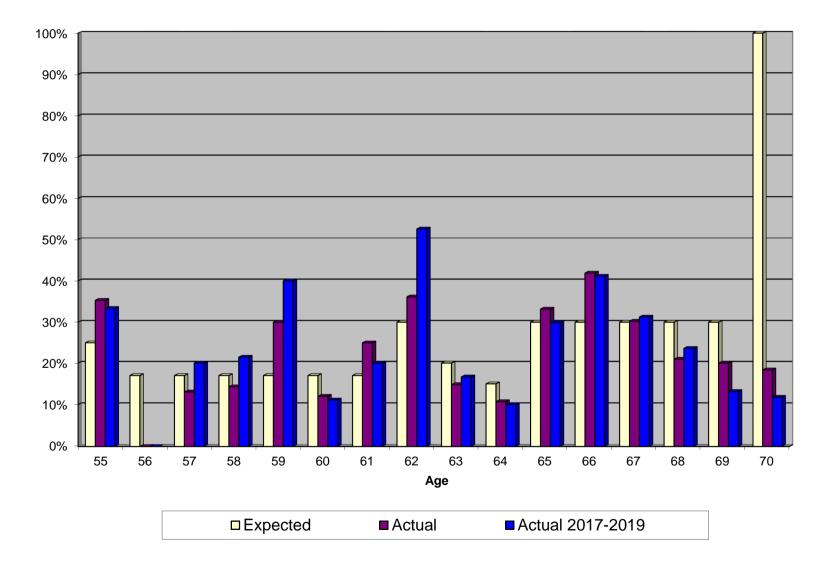
Early Retirement Experience Possible revisions

	Current	Revised	
55	7.0%	7.0%	
56	7.0%	7.0%	
57	7.0%	7.0%	
58	7.0%	7.0%	
59	7.0%	7.0%	
60	7.0%	7.0%	
61	7.0%	7.0%	
62	30.0%	20.0%	
63	17.5%	20.0%	
64	17.5%	20.0%	

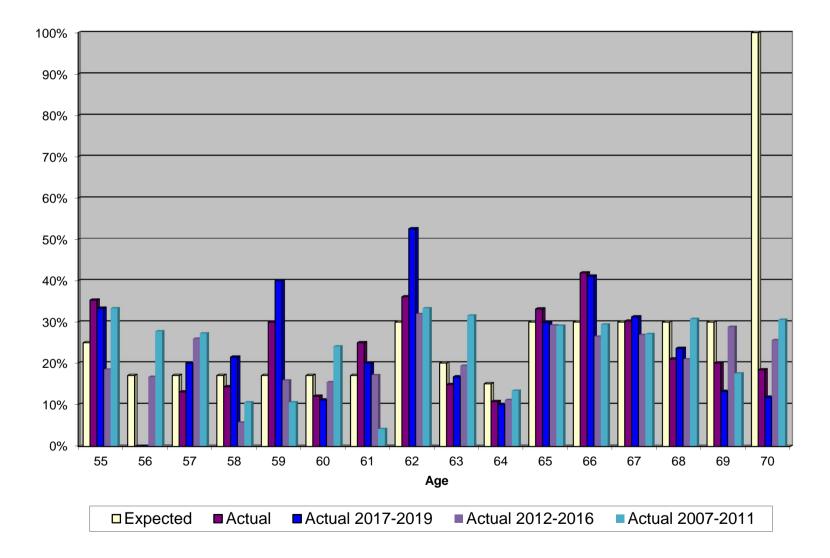
Unreduced Retirement Rates by Age



Unreduced Retirement Rates by Age



Unreduced Retirement Rates by Age



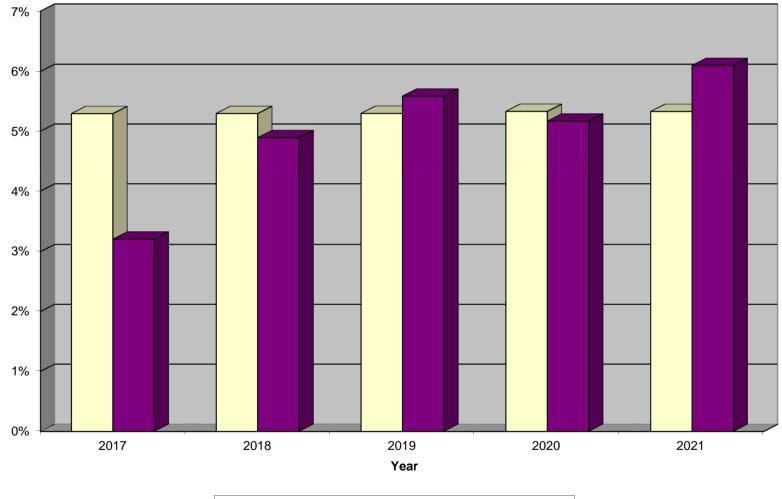
Unreduced Retirement Experience Possible revisions

	Current	Revised
55	25%	35%
56	17%	15%
57	17%	15%
58	17%	15%
59	17%	15%
60	17%	15%
61	17%	15%
62	30%	35%
63	20%	15%
64	15%	15%
65	30%	30%
66	30%	30%
67	30%	30%
68	30%	30%
69	30%	30%
70	100%	100%

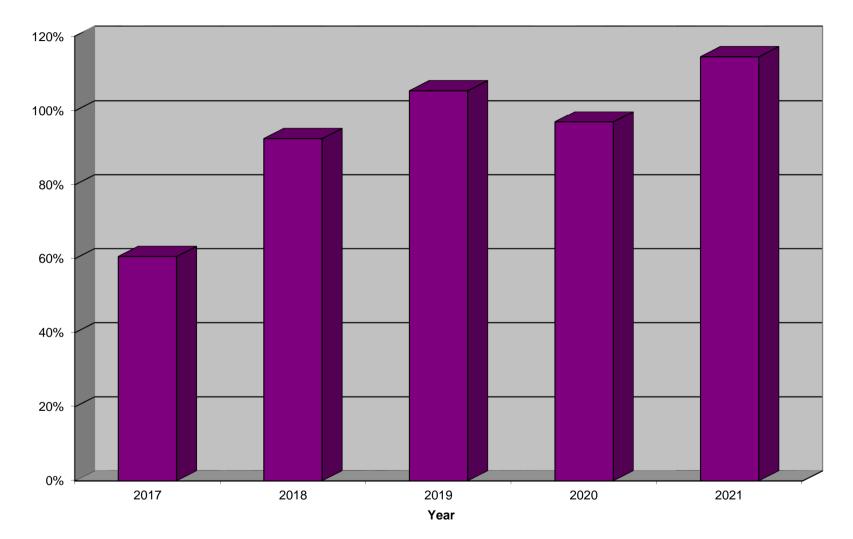
Pay Increase Experience

2016-2021 13,289 Participant Life Years

Actual Versus Expected Pay Increases

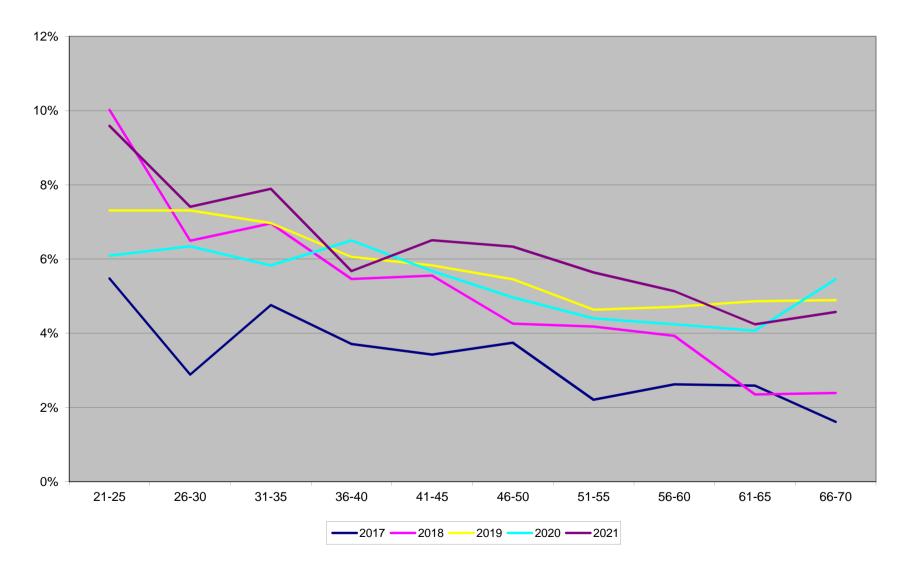


Expected Actual

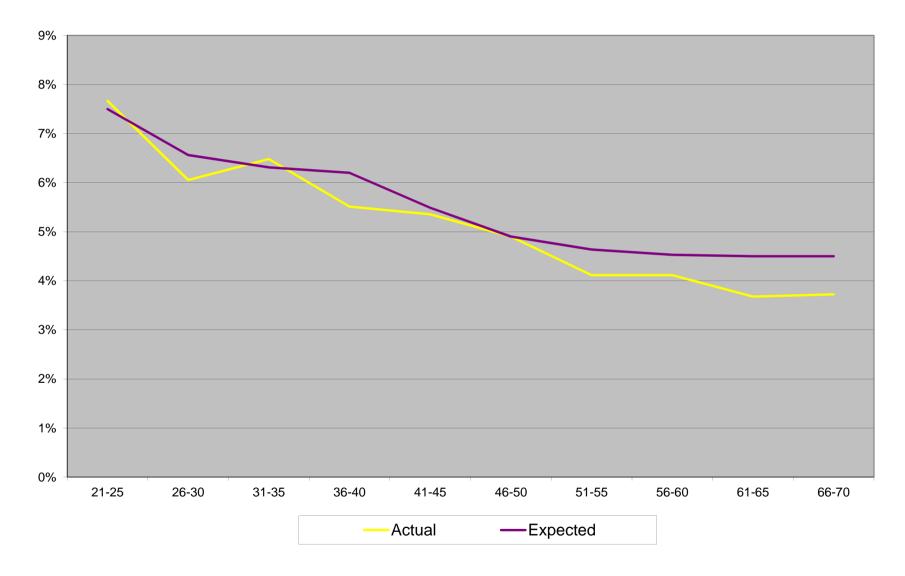


Ratio of Actual Versus Expected Pay Increases

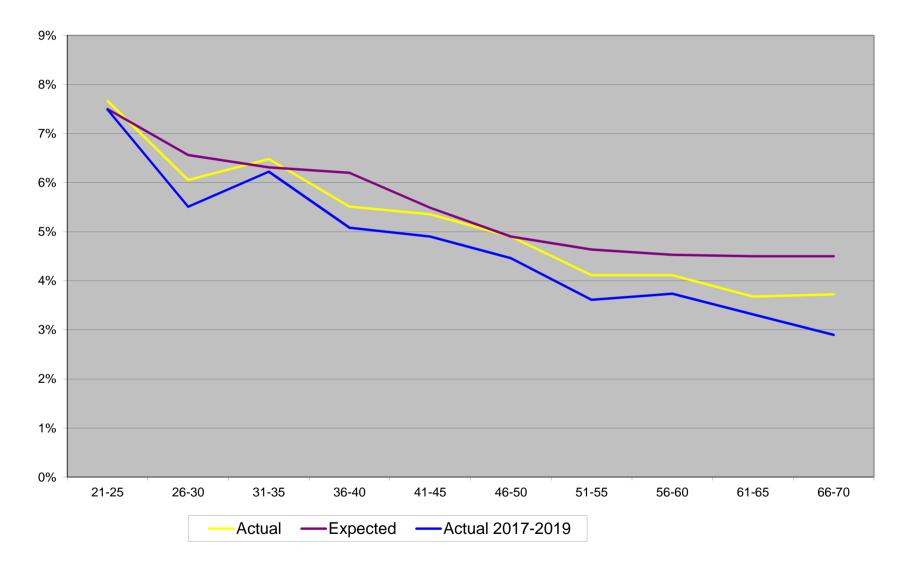
Year by Year Pay Increases by Age



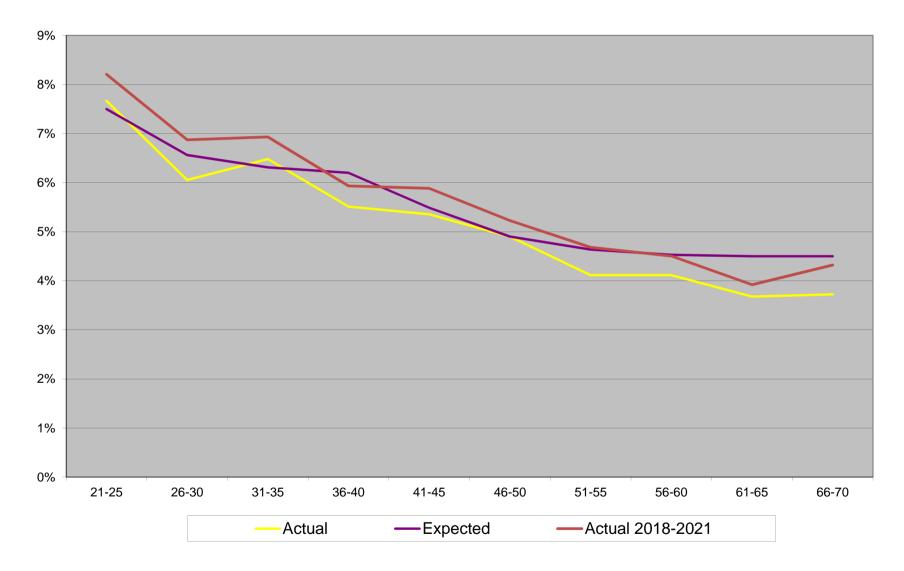
Average Pay Increases by Age



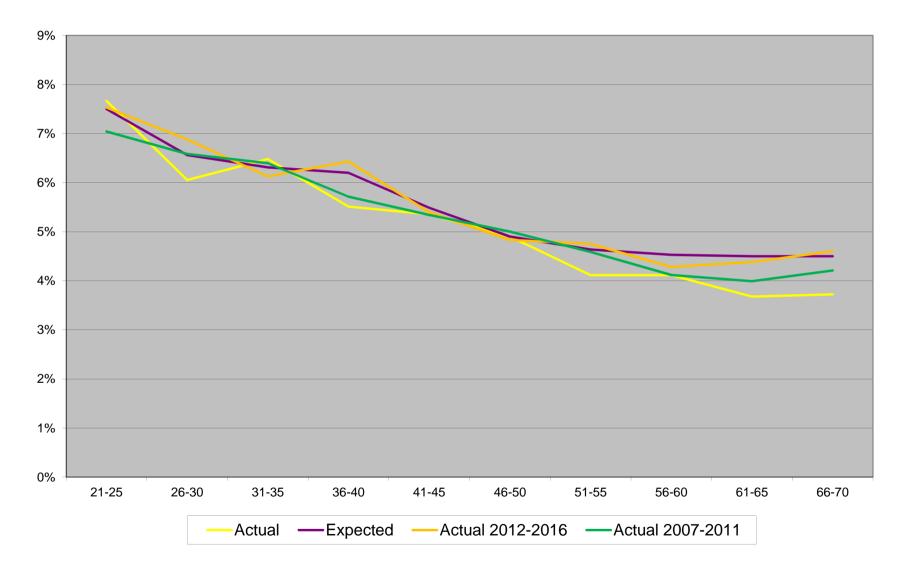
Average Pay Increases by Age



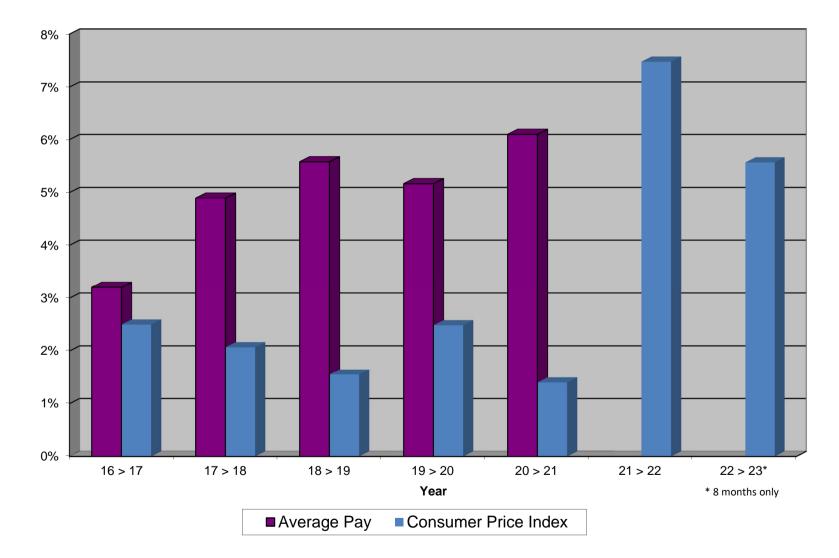
Average Pay Increases by Age



Average Pay Increases by Age



Pay Increases Versus Inflation



Pay Increase Experience Recommendations

Maintain shape of pay increase curve

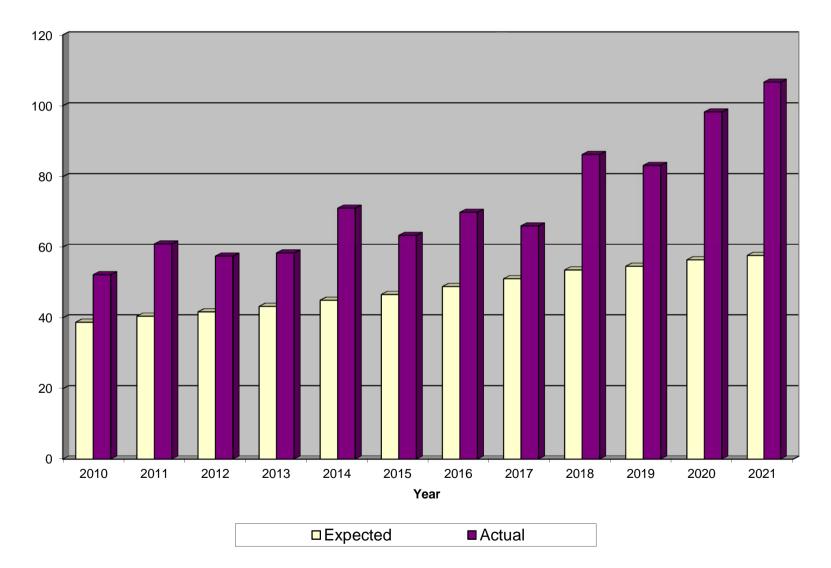
Parallel shift to reflect future expectations

- inflation will come under control
- probably will not return to historically low levels
- increase all ages 0.5%

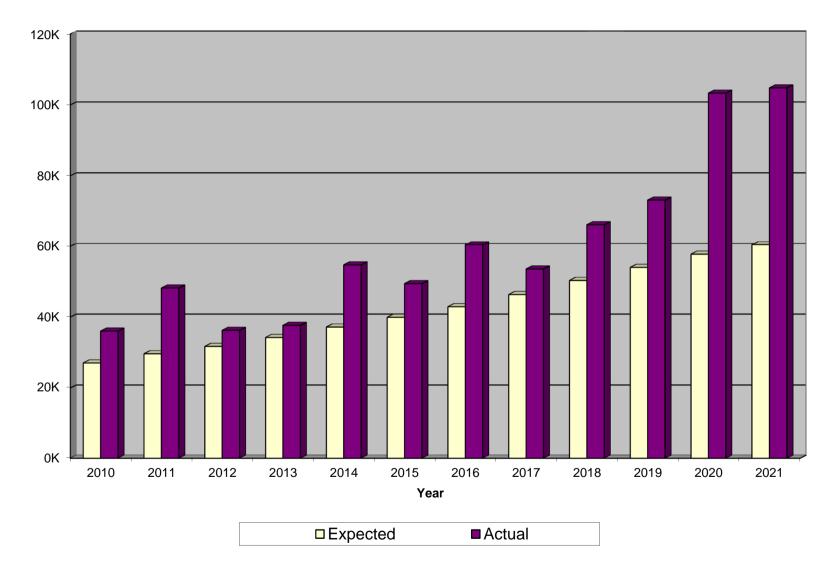
Annuitant Mortality Experience

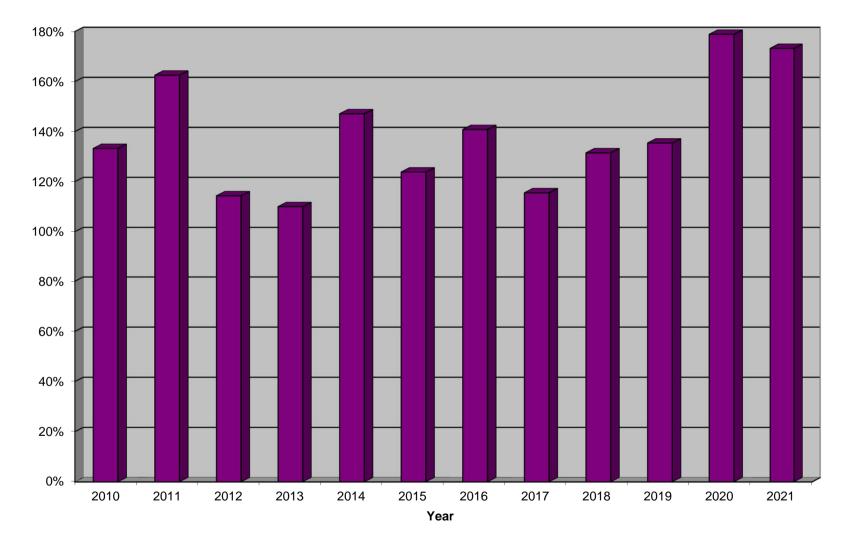
2010-2021 21,832 Participant Life Years

Actual Versus Expected Deaths (Participant Count)



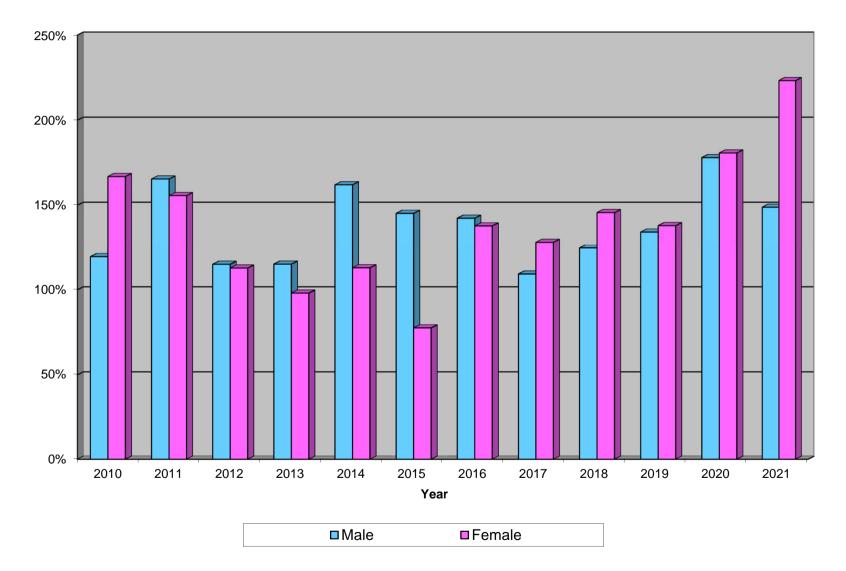
Actual Versus Expected Deaths (Annuity Amount)



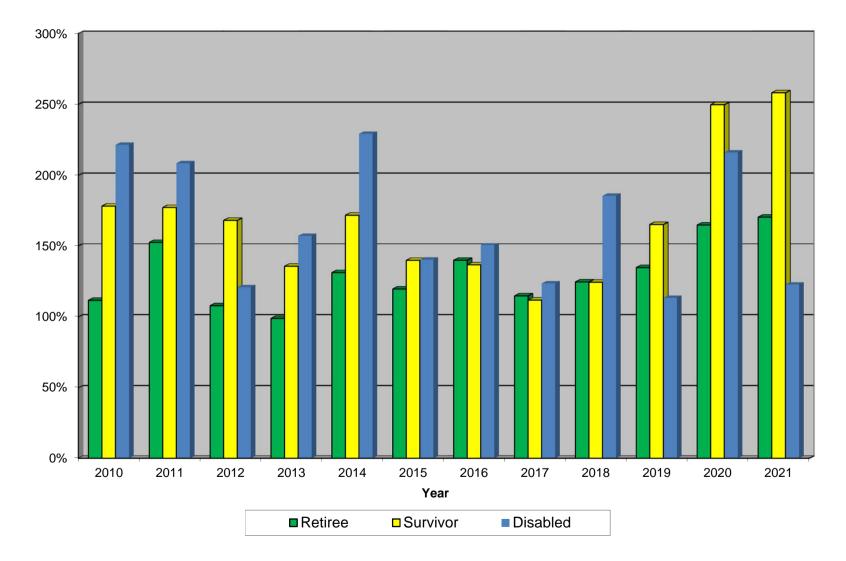


Ratio of Actual Versus Expected Deaths (Annuity Amount)

Ratio of Actual Versus Expected Deaths (Annuity Amount)



Ratio of Actual Versus Expected Deaths (Annuity Amount)



Mortality Experience versus assumed rates

2010 -	2010 -	2020 -
2021	2019	2021
1/10/	1310/	176%
141/0	13170	17070
140%	133%	163%
145%	127%	202%
135%	124%	168%
173%	147%	254%
164%	163%	169%
	2021 141% 140% 145% 135% 173%	2021 2019 141% 131% 140% 133% 145% 127% 135% 124% 173% 147%

Diasabled Life Mortality

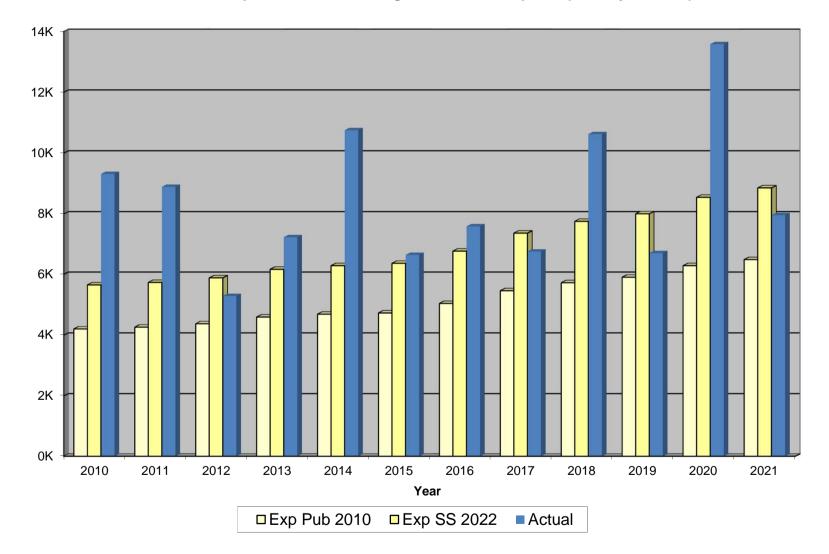
Mortality varies greatly with severity of disability

Plan experience will vary due to differences in:

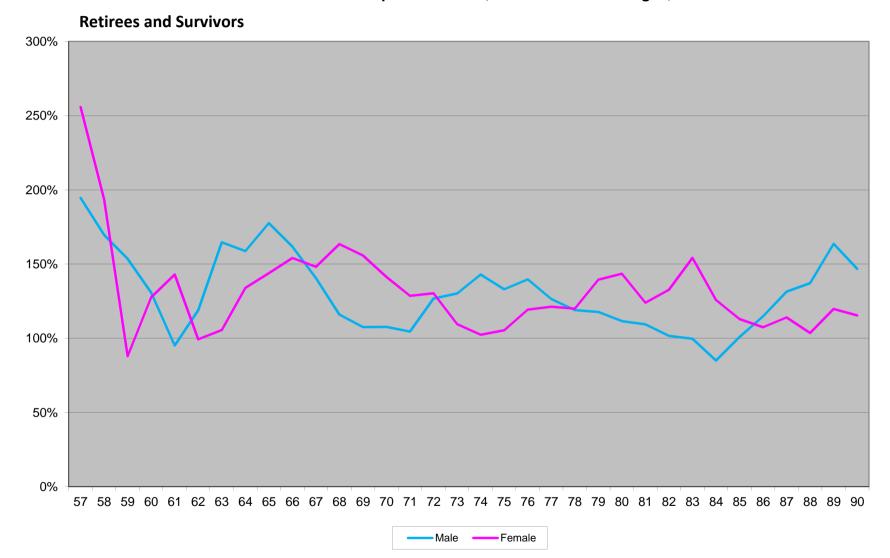
- definition of disability (your job vs any job)
- diligence of administration
- elapsed time since disablement

OkMRF plan definiton probably stricter than Pub-2010 universe

Social security ultimate rates (disabled 10 or more years) may be better proxy for OkMRF plans



Actual Versus Expected Deaths Among Disabled Participants (Annuity Amount)



Ratio of Actual Versus Expected Deaths, 5-Year Central Averages, 2010-2019

Mortality Experience Recommendations

Increase healthy life mortality 20% at all ages

Adopt the ultimate disabled life mortality rates from the 2022 OASDI [Social Security] Trustees report

Mortality Experience versus revised assumptions

	2010 -	2010 -	2020 -
	2021	2019	2021
All payees	116%	108%	145%
Male	114%	109%	133%
Female	120%	105%	168%
Retiree	112%	104%	140%
Survivor	144%	122%	212%
Disabled	122%	121%	124%

Other Considerations

Active Participant Mortality no credible data

Economic Assumptions

- Inflation effect of 3% annual cap
- Investment return significant change to market outlook

Cost Impact of Recommended Changes

Pro forma Impact on 7/1/2021 Valuation Results

	Nonactive Liability	Active Liability	Normal Cost
Termination	0.00%	-0.16%	-1.19%
Retirement	0.00%	0.11%	0.19%
Pay Increase	0.00%	2.26%	5.06%
Mortality	-4.42%	-3.27%	-2.76%
Cumulative	-4.42%	-1.15%	1.07%

		Liability			Change	in Contributio	n Rate
City.	Nevestive	A ativa	Tatal	Normal	N #	Employee	Tatal
City	Nonactive	Active	Total	Cost	Muni	Employee	Total
Adair	-4.7%	-2.6%	-3.4%	-3.5%	-0.74%	0.00%	-0.74%
Altus	-4.2%	-0.8%	-2.8%	+2.0%	-0.84%	0.00%	-0.84%
Alva	-3.9%	-2.8%	-3.2%	+0.6%	-0.75%	0.00%	-0.75%
Antlers	-2.9%	-1.6%	-2.4%	-0.2%	-0.28%	0.00%	-0.28%
Ardmore	-4.2%	-1.4%	-2.6%	+0.6%	-0.79%	0.00%	-0.79%
Bartlesville	-3.4%	-4.7%	-4.0%	0.0%	-2.47%	0.00%	-2.47%
Bethany	-4.9%	-1.5%	-3.6%	+0.4%	-2.29%	0.00%	-2.29%
Bethany/Warr Acres	-3.4%	-1.1%	-2.4%	+5.4%	<mark>-1.40%</mark>	0.00%	-1.40%
Billings	-3.8%	-4.9%	-3.8%	-2.2%	0.00%	0.00%	0.00%
Binger	-3.4%	-2.8%	-3.2%	-5.7%	-0.74%	0.00%	-0.74%
Blackwell	-4.2%	-0.6%	-2.6%	+1.2%	-0.36%	0.00%	-0.36%
Blair	-3.4%	-1.7%	-1.8%	+3.3%	-0.33%	0.00%	-0.33%
Boise City	-4.8%	-2.1%	-3.8%	-2.3%	<mark>-1.21%</mark>	0.00%	-1.21%
Bokchito	-12.9%	-0.5%	-4.6%	-0.8%	-0.34%	0.00%	-0.34%
Bristow	-5.7%	-1.0%	-4.0%	-2.1%	<mark>-1.57%</mark>	0.00%	-1.57%
Broken Bow	-3.5%	-1.4%	-2.1%	-0.0%	-0.58%	0.00%	-0.58%
Buffalo	-5.3%	-1.3%	-3.4%	+2.3%	-0.95%	0.00%	-0.95%
Burns Flat	-3.3%	-0.5%	-2.1%	+2.6%	-0.34%	0.00%	-0.34%
Calera	-3.6%	-1.0%	-2.1%	+0.8%	-0.30%	0.00%	-0.30%
Central Oklahoma MCD	-5.0%	-3.4%	-3.9%	-0.4%	<mark>-1.91%</mark>	0.00%	-1.91%
Chandler	-4.2%	-2.3%	-2.4%	+1.2%	-0.47%	0.00%	-0.47%
Checotah	-4.2%	-0.7%	-1.9%	+1.6%	-0.25%	0.00%	-0.25%
Cherokee & CDA	-4.6%	+0.4%	-2.3%	+1.0%	-0.16%	0.00%	-0.16%
Chickasha	-5.3%	-2.0%	-4.5%	-1.4%	-3.36%	0.00%	-3.36%
Claremore	-4.8%	-0.5%	-2.6%	+2.0%	-0.54%	0.00%	-0.54%

	Liability				Change	Change in Contribution Rate		
0.4			T ()	Normal				
City	Nonactive	Active	Total	Cost	Muni	Employee	Total	
Cleo Springs	-6.5%	+0.9%	-6.1%	+1.5%	-4.06%	0.00%	-4.06%	
Cleveland	-4.9%	-1.3%	-4.1%	-0.1%	-2.87%	0.00%	-2.87%	
Clinton	-5.3%	-1.7%	-3.9%	-0.5%	-2.12%	0.00%	-2.12%	
Collinsville	-5.0%	-1.1%	-2.2%	-0.3%	-0.48%	0.00%	-0.48%	
Copan	-5.9%	-1.8%	-3.5%	+0.1%	-0.23%	0.00%	-0.23%	
Cordell	-5.5%	-2.9%	-4.4%	+0.1%	-2.51%	0.00%	-2.51%	
Cushing	-3.8%	-0.8%	-2.8%	+1.3%	-1.20%	0.00%	-1.20%	
Davis	-4.6%	-1.9%	-3.0%	+0.7%	-0.60%	0.00%	-0.60%	
Del City	-4.4%	-0.7%	-2.9%	+1.6%	<mark>-1.64%</mark>	0.00%	-1.64%	
Dewey	-4.4%	-0.7%	-1.6%	+2.3%	-0.41%	0.00%	-0.41%	
Drumright	-4.1%	-0.8%	-3.2%	+1.5%	<mark>-1.25%</mark>	0.00%	-1.25%	
Durant	-4.9%	-1.4%	-3.6%	+0.7%	<mark>-1.24%</mark>	0.00%	-1.24%	
El Reno	-4.7%	-0.3%	-1.7%	+2.1%	-0.17%	0.00%	-0.17%	
Eufaula	-4.1%	-1.5%	-3.0%	+2.0%	-0.36%	0.00%	-0.36%	
Fort Cobb	-3.2%	-10.1%	-3.8%	-1.6%	-0.93%	0.00%	-0.93%	
Foss Reservoir Public Works	-3.9%	-0.5%	-1.7%	+5.9%	-0.15%	0.00%	-0.15%	
Frederick	-3.6%	-1.2%	-2.5%	+0.9%	-1.11%	0.00%	-1.11%	
Garber	-3.4%	-1.0%	-1.1%	-6.4%	-0.71%	0.00%	-0.71%	
Geary	-5.3%	-0.5%	-2.7%	+2.0%	-0.34%	-0.00%	-0.35%	
Goodwell	-4.1%	+0.3%	-3.6%	-1.7%	0.00%	0.00%	0.00%	
Gore and Gore PWA	-3.9%	+0.2%	-1.3%	+1.0%	-0.06%	0.00%	-0.06%	
Granite	-4.2%	-2.9%	-3.7%	-2.9%	-2.50%	0.00%	-2.50%	
Guthrie	-3.2%	-0.5%	-1.5%	+1.1%	-0.30%	0.00%	-0.30%	
Harrah	-2.4%	-1.0%	-1.8%	+1.1%	-0.63%	0.00%	-0.63%	
Healdton	-3.7%	-0.9%	-2.1%	+1.4%	-0.57%	0.00%	-0.57%	

		Liability			Change	in Contributio	n Rate
				Normal			
City	Nonactive	Active	Total	Cost	Muni	Employee	Total
Henryetta	-3.4%	-0.8%	-1.6%	+1.7%	-0.35%	0.00%	-0.35%
Hooker	-5.9%	-0.2%	-3.3%	+2.7%	-1.00%	0.00%	-1.00%
Hulbert	-3.5%	+0.4%	-1.4%	+4.5%	0.00%	0.00%	0.00%
Hydro	-3.7%	+2.3%	-2.4%	+2.2%	-0.27%	0.00%	-0.27%
Kansas	-3.7%	+0.6%	-1.7%	+3.9%	+0.01%	0.00%	+0.01%
Kiefer	-4.1%	+0.1%	-0.6%	+1.7%	+0.07%	0.00%	+0.07%
Kingston	-5.3%	-1.0%	-3.7%	+0.0%	-0.51%	0.00%	-0.51%
Krebs & Krebs Utility Auth.	-4.3%	-1.2%	-1.8%	+0.4%	-0.11%	0.00%	-0.11%
Laverne	-4.1%	+1.7%	-2.1%	+3.0%	-0.32%	0.00%	-0.32%
Lindsay	-5.5%	-1.0%	-3.6%	-0.0%	-0.78%	0.00%	-0.78%
Madill	-6.1%	-1.9%	-2.9%	+1.2%	-0.71%	0.00%	-0.71%
Mannford	-5.9%	-0.8%	-3.2%	+2.3%	-0.79%	0.00%	-0.79%
Marietta	-6.0%	+0.2%	-2.7%	+5.5%	+0.04%	0.00%	+0.04%
Marietta PWA	-6.1%	+0.3%	-2.7%	+1.8%	-0.69%	0.00%	-0.69%
McLoud	-7.3%	-0.8%	-3.6%	+0.2%	-0.29%	0.00%	-0.29%
Medford	-4.7%	-1.3%	-2.7%	+3.9%	<mark>-1.63%</mark>	0.00%	-1.63%
Meeker	-3.4%	-0.9%	-2.7%	-1.3%	-0.58%	0.00%	-0.58%
Miami	-3.9%	-0.1%	-2.4%	+1.7%	-0.49%	0.00%	-0.49%
Mooreland	-3.1%	+3.1%	-1.8%	+1.5%	-0.38%	0.00%	-0.38%
Mountain Park MCD	-3.0%	-1.6%	-2.7%	-1.2%	<mark>-1.76%</mark>	0.00%	-1.76%
Muldrow	-5.1%	+0.9%	-2.7%	+1.9%	-0.52%	0.00%	-0.52%
Mustang	-3.2%	-1.0%	-2.0%	-0.3%	-0.66%	0.00%	-0.66%
Nichols Hills	-4.5%	-1.9%	-3.4%	+1.3%	-0.82%	0.00%	-0.82%
Noble	-5.7%	-1.6%	-2.8%	+2.3%	-0.46%	0.00%	-0.46%
Nowata	-3.7%	-0.3%	-1.6%	+0.8%	-0.18%	0.00%	-0.18%

	Liability				Change	Change in Contribution Rate		
0:4.	Nevestive	A atives	Tatal	Normal	Maria	Employee	Tatal	
City	Nonactive	Active	Total	Cost	Muni	Employee	Total	
Oilton	-8.8%	-0.0%	-4.4%	+3.0%	-0.37%	0.00%	-0.37%	
Okeene	-3.5%	-0.5%	-2.5%	+0.8%	-0.64%	0.00%	-0.64%	
Okemah	-4.0%	-1.2%	-1.9%	+0.8%	-0.26%	0.00%	-0.26%	
Oklahoma Municipal League	-5.1%	-2.2%	-4.1%	-1.0%	<mark>-2.71%</mark>	0.00%	-2.71%	
OkMRF Staff	-3.4%	-1.0%	-1.3%	+1.8%	-0.14%	0.00%	-0.14%	
Okmulgee	-5.9%	-1.9%	-3.6%	+0.8%	-1.67%	0.00%	-1.67%	
Owasso	-3.8%	-0.6%	-1.5%	+1.4%	-0.23%	0.00%	-0.23%	
Pawnee	-3.1%	-0.4%	-1.8%	-0.1%	-0.44%	0.00%	-0.44%	
Perkins	-5.0%	+0.3%	-2.6%	-0.1%	-0.56%	0.00%	-0.56%	
Perry	-4.3%	+0.6%	-1.0%	+3.4%	+0.14%	0.00%	+0.14%	
Piedmont	-3.3%	+2.2%	+0.4%	+1.3%	+0.10%	0.00%	+0.10%	
Pond Creek	-4.4%	+0.4%	-2.4%	+3.5%	-0.76%	0.00%	-0.76%	
Porum	-3.7%	-0.2%	-1.5%	+3.6%	+0.02%	0.00%	+0.02%	
Poteau	-3.9%	-1.2%	-2.7%	+2.9%	<mark>-1.10%</mark>	0.00%	-1.10%	
Ratliff City	-3.6%	+0.3%	-1.2%	+2.0%	-0.01%	0.00%	-0.01%	
Ringling	-9.6%	-2.0%	-4.9%	-1.1%	-0.65%	0.00%	-0.65%	
Roland	-4.2%	-0.9%	-1.6%	+2.0%	-0.05%	0.00%	-0.05%	
Sallisaw	-4.0%	-1.1%	-2.3%	+3.0%	-0.57%	0.00%	-0.57%	
Seiling	-4.7%	-1.1%	-1.7%	+3.9%	0.00%	0.00%	0.00%	
Shawnee	-4.4%	+0.0%	-3.9%	+2.8%	<mark>-11.72%</mark>	0.00%	-11.72%	
Skiatook	-4.6%	-1.0%	-1.8%	-0.8%	-0.26%	0.00%	-0.26%	
Spencer	-4.0%	+2.2%	-1.5%	+5.4%	+0.40%	0.00%	+0.40%	
Spiro	-4.7%	-2.6%	-3.8%	-0.1%	-0.89%	0.00%	-0.89%	
Stilwell	-4.8%	+0.6%	-2.8%	+3.1%	-0.60%	0.00%	-0.60%	
Stratford	-3.0%	+0.7%	-0.8%	+0.8%	0.00%	0.00%	0.00%	

	Liability				Change	Change in Contribution Rate		
				Normal		<u> </u>		
City	Nonactive	Active	Total	Cost	Muni	Employee	Total	
Stroud	-5.1%	-0.5%	-2.5%	+0.8%	-0.60%	0.00%	-0.60%	
Sulphur	-3.5%	-0.7%	-2.2%	+0.9%	-0.93%	0.00%	-0.93%	
Talihina & TPWA	-3.9%	-1.0%	-1.6%	+3.0%	-0.14%	0.00%	-0.14%	
Thomas	-5.2%	-1.0%	-3.1%	+2.7%	-1.13%	0.00%	-1.13%	
Tipton	-2.2%	-2.7%	-2.6%	+2.3%	-0.38%	0.00%	-0.38%	
Tishomingo	-5.2%	-1.3%	-2.2%	+0.6%	-0.20%	0.00%	-0.20%	
Tonkawa	-5.1%	+0.7%	-2.6%	+2.0%	-0.52%	0.00%	-0.52%	
Valliant	0.0%	-1.2%	-1.2%	-0.8%	-0.12%	0.00%	-0.12%	
Velma	-3.1%	+4.5%	-1.3%	+2.0%	-0.00%	0.00%	-0.00%	
Vian	-4.3%	-1.3%	-1.7%	-0.6%	-0.18%	0.00%	-0.18%	
Vinita	-5.8%	-2.6%	-4.7%	+0.3%	-2.80%	0.00%	-2.80%	
Wakita	-5.0%	-1.1%	-4.4%	-0.5%	0.00%	0.00%	0.00%	
Warr Acres	-3.9%	-1.4%	-2.7%	+1.3%	-1.26%	0.00%	-1.26%	
Watonga	-5.0%	-1.8%	-3.4%	-0.7%	-1.39%	0.00%	-1.39%	
Waukomis	-3.4%	+0.3%	-1.6%	+2.6%	+0.12%	0.00%	+0.12%	
Waurika	-3.7%	+0.1%	-2.3%	+1.2%	-0.71%	0.00%	-0.71%	
Weatherford	-4.4%	-0.7%	-2.4%	+0.4%	-0.48%	0.00%	-0.48%	
Webbers Falls	-5.2%	-1.1%	-2.2%	+1.4%	-0.02%	0.00%	-0.02%	
Wellston	-6.4%	-1.4%	-4.5%	+1.5%	-0.54%	0.00%	-0.54%	
Westville Utility Authority	-3.7%	+2.0%	+0.2%	+3.2%	+0.44%	0.00%	+0.44%	
Wetumka	-4.7%	-1.2%	-3.8%	-0.6%	-1.28%	0.00%	-1.28%	
Wilburton	-4.4%	-0.0%	-0.5%	+1.9%	+0.03%	0.00%	+0.03%	
Yale	-5.1%	-0.4%	-3.0%	-0.7%	-0.88%	0.00%	-0.88%	
Yukon	-4.1%	-0.7%	-2.1%	+1.7%	-1.09%	0.00%	-1.09%	

		Liability			Change	in Contribution	n Rate
City	Nonactive	Active	Total	Normal Cost	Muni	Employee	Total
Braman	-8.7%	0.0%	-8.7%				(2,335)
Chouteau	-6.0%		-6.0%				0
Guymon	-3.7%	-3.6%	-3.7%				0
Muskogee	-13.6%		-13.6%				0
Newkirk	-4.0%	-4.2%	-4.0%				(9,960)
Norman	-10.6%		-10.6%				(31)
Tecumseh	-8.6%		-6.7%				0
Total	-4.4%	-1.2%	-2.9%	+1.1%			-0.92%

RESOLUTION NO. 96-2

A RESOLUTION OF THE BOARD OF TRUSTEES OF THE OKLAHOMA MUNICIPAL RETIREMENT FUND ESTABLISHING A POLICY FOR ATTENDANCE OF THE TRUSTEES AT THE MEETINGS OF THE OKLAHOMA MUNICIPAL RETIREMENT FUND, AND PROVIDING FOR MEANS OF ENFORCEMENT OF SAID POLICY.

WHEREAS, the Oklahoma Municipal Retirement Fund is a public trust providing certain administrative and investment services to the retirement systems of its beneficiary employers; and,

WHEREAS, the Oklahoma Municipal Retirement Fund establishes policy and guidelines which directly affect the retirement systems of member employers; and,

WHEREAS, the Board of Trustees deems it necessary that the members of the Board of Trustees regularly attend meetings of the Board of Trustees so that the participants in the plan can be effectively represented in the Board's decision making process.

NOW, THEREFORE, BE IT RESOLVED by the Board of Trustees of the Oklahoma Municipal Retirement Fund that the following attendance policy is hereby adopted:

"Whenever a member of the Board of Trustees is absent from more than one-half (1/2) of all regular meetings of the Trustees held within a period of six consecutive months, the member shall immediately cease to hold office, and the vacancy created shall be filled as provided in the Trust Indenture."

This policy shall be submitted to the participating employers as a proposed amendment to the Trust Indenture at the next regular election held for selection of Trustees.

END

The foregoing resolution was duly adopted and approved by the Chairman and Board of Trustees of the Oklahoma Municipal Retirement Fund on the 20^{4} day of <u>December</u>, 19<u>94</u>, after compliance

with notice requirements of the Open Meeting Law (25 OSA, Sections 301, et seq.).

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ATTEST:	CHAIRMAN
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SECRETARY	
SEL ST	
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Approved as to form and	legality on third 19/1.
A MARINE CONTRACTOR	\square $(\square \square)$
	CP24 CD

TRUST ATTORNEY