AGENDA

A regular meeting of the Board of Trustees of the Waxahachie Firemen's Relief and Retirement Fund to be held at Waxahachie Fire Station No. 1, 407 Water Street, Waxahachie, Texas on *Monday, February 19, 2018 at 8:30 a.m.*

BOARD MEMBERS:

Gary Myers, Chairman Matt Dorsey, Vice Chairman Marcus Brown, Secretary

John Tillery Lee Statham

David Hill, Councilmember Charles Harris, Finance Director

- 1. Call to Order
- 2. Consent Agenda

All matters listed under Item 2, Consent Agenda, are considered to be routine by the Board Members and will be enacted by one motion. Approval of the Consent Agenda authorizes the Chairman to execute all matters necessary to implement each item. Any item may be removed from the Consent Agenda for separate discussion and consideration by any Board Member.

- a. Minutes of the regular Firemen's Relief & Retirement Fund meeting of November 13, 2017
- b. Annuity checks for FR&R Retirees and other disbursements for the months of January, February, and March 2018
- 3. Consider 2017 Financial Report
- 4. Hear Fourth Quarter Report 2017 from Tim Sharpe, Graystone Consulting, and take any necessary action
- 5. Discussion of investment managers and take any necessary action
- 6. Set next meeting date and time of Firemen's Relief and Retirement Fund Board
- 7. Adjourn

The Waxahachie Firemen's Relief and Retirement Fund reserves the right to go into Executive Session on any posted item.

This meeting location is wheelchair-accessible. Parking for mobility impaired persons is available. Any request for sign interpretive services must be made forty-eight hours ahead of the meeting. To make arrangements, call the City Secretary at 469-309-4005 or (TDD) 1-800-RELAY TX

Firemen's Relief & Retirement Fund November 13, 2017



A regular meeting of the Board of Trustees of the Waxahachie Firemen's Relief and Retirement Fund was held at Waxahachie Fire Station No. 1, 407 Water Street, Waxahachie, Texas on Monday, November 13, 2017 at 8:30 a.m.

Members Present:

Gary Myers, Chairman

Matt Dorsey, Vice Chairman Marcus Brown, Secretary

John Tillery

David Hill, Councilmember Charles Harris, Finance Director

Others Present:

Lori Saunders, City Secretary

1. Call to Order

Chairman Gary Myers called the meeting to order.

2. Consider appointment of Civilian Member to the FR&R Board

Chairman Myers reported Mr. Lee Statham was nominated to the FR&R Board as a Civilian Member and explained he is completing the term of Mr. Jeff Frazier who resigned earlier this year.

Action:

Mr. John Tillery moved to appoint Mr. Lee Statham as a Civilian Member as presented. Mr. Marcus Brown seconded, All Ayes.

3. Administer Oath of Office to Civilian Board Member

City Secretary Lori Saunders administered the Oath of Office to Mr. Lee Statham.

4. Consent Agenda

- a. Minutes of the regular Firemen's Relief & Retirement Fund meeting of October 9, 2017
- b. Annuity checks for FR&R Retirees and other disbursements for the month of December 2017

Action:

Mr. John Tillery moved to approve items a. through b. on the Consent Agenda. Mr. David Hill seconded, All Ayes.

5. Hear Third Quarterly Report 2017 from Jim Stoker, Graystone Consulting, and take any necessary action

{Mr. Matt Dorsey arrived}

Firemen's Relief & Retirement Fund November 13, 2017 Page 2



Mr. Jim Stoker, Graystone Consulting, presented a proposed Revision 3.0 of the Statement of Investment Policy, Guidelines, and Investment Objectives. He reported the following was added to Section 5: Investment Guidelines:

A special note regarding investments which are not separately managed such as mutual funds, etc.

Should the Board choose to invest in mutual funds (open-ended, closed ended, index etc.), commingled funds, exchange traded funds (ETFs), registered investment corporations (RICs), limited partnerships (LPs), hedge funds or the like, the constraints, prohibited investments, and other such guidelines in this Policy shall not apply to those specific investments. The constraints, prohibited investments, guidelines, etc. contained in this document are intended for long-only separate account managers (the managers) hired under contract by the Fund. Mutual funds, index funds, ETFs, LPs and similar vehicles are ruled by their controlling documents. For example: their prospectuses, offering memoranda, partnership agreements, etc. and any "side letters" that might be negotiated.

Mr. Stoker reported Exhibit A: Executive Summary was updated to reflect Current Assets as of 12/31/2016 was \$14,223,504

Mr. Stoker presented the Third Quarterly Report for 2017 noting the economy is growing approximately 2.5%. He stated the fund was up 3.4% in the third quarter, just under 11% for the last 12 months and the fund balance today is close to \$16 million. He recommended shifting 5% from domestic to international accounts.

Mr. Stoker stated there is a lag in active managers noting there has been an active/passive dispute for years debating when is it good and how much to be active. He presented a handout of statistics pertaining to active and passive managers stating a combination of these does well.

{Mr. Matt Dorsey left}

Mr. Stoker recommended on indexing Large Cap Domestic. He referenced Wedgewood Partners noting nothing has really changed and suggested to take 25% from them and put it into Vanguard. Mr. Stoker reviewed Vanguard Value ETF investment approach noting it seeks to track the performance of the CRSP US Large Cap Value Index. He reviewed exchanged traded funds and closed ended funds noting it trades like a stock. Mr. Stoker recommended taking 5% out of US funds and putting it into non US funds.

Mr. Stoker recommended the following actions:

- 1. Take 10% of the value of large cap growth exposure and index that by taking 1.5% from Delaware taking it down to 12.5%. Take 25% of Wedgewood to be indexed in large cap growth and the remainder will stay in active accounts.
- 2. Move 5% from US Equity International and put 1.5% to go to WCM International Growth, 1.5% to go to Delaware, and 2% going to Glovista EM.

Firemen's Relief & Retirement Fund November 13, 2017 Page 3



After a lengthy discussion, the Board took action as follows:

Action:

Mr. John Tillery moved to accept Revision 3.0 of the Statement of Investment Policy, Guidelines, and Investment Objectives as presented. Mr. Charles Harris seconded, All Ayes.

Action:

Mr. Charles Harris moved Passive Investment to include the international movement with percentages recommended and shift as presented by consultant. Mr. Marcus Brown seconded, All Ayes.

Chairman Myers stated the Board will not rebalance at this time.

{Mr. Matt Dorsey arrived}

6. Consider TEXPERS Membership Renewal

Chairman Myers reported the TEXPERS membership renewal for 2018 is \$78.66 and requested approval to pay membership fees.

Action:

Mr. John Tillery moved to approve TEXPERS membership renewal for 2018 as presented. Mr. Marcus Brown seconded, All Ayes.

7. Set next meeting date and time of Firemen's Relief and Retirement Fund Board

The Firemen's Relief & Retirement Board set their next meeting for Monday, December 11, 2017 at 8:30 a.m.

8. Adjourn

There being no further business, the meeting adjourned at 9:56 a.m.

Respectfully submitted,

Lori Saunders City Secretary

(20)

MEMORANDUM

TO:

FR&R Board Members

FROM:

Lori Saunders, City Secretary

DATE:

February 19, 2018

SUBJECT: ANNUITY CHECKS

Please approve the annuity checks for the month of January, February, & March for the following retirees:

Mrs. Wendell Presley	Widow Benefits	\$ 651.67
Mrs. James Gilley	Widow Benefits	\$ 523.36
Alan Morgan	Disability	\$ 997.64
Jimmy Turner	Service Retirement	\$ 1,587.50
John Olin Turner	Service Retirement	\$ 1,875.00
Mike Slay	Service Retirement	\$ 1,522.26
(Sharon Cobb QDRO Paymer	nt)	\$ 507.74
John Tillery	Service Retirement	\$ 1,632.50
Loyde Junkin	Service Retirement	\$ 1,668.53
Don Fuller	Service Retirement	\$ 1,748.75
Billy Bratcher	Service Retirement	\$ 2,057.76
Larry Evans	Service Retirement	\$ 2,287.41
Dwayne Williams	Service Retirement	\$ 2,184.84
Don Bennett	Service Retirement	\$ 1,009.61
Terry Kuykendall	Service Retirement	\$ 2,395.06
Steve Hamilton	Service Retirement	\$ 1,048.38
(Denise Hamilton QDRO pay	ment)	\$ 998.38
Sam Lewis	Service Retirement	\$ 2,642.41
John Chenault	Service Retirement	\$ 4,379.55
Rusty Ogletree	Service Retirement	\$ 1,497.50
Jeff Sport	Service Retirement	\$ 3,159.38
Paul Carrington	Service Retirement	\$ 3,074.81
(Carol Nunn QDRO payment)	\$ 168.86
Randy Johnston	Service Retirement	\$ 2,935.57
Terry Skipper	Service Retirement	\$ 4,044.75
Jeff Alexander	Service Retirement	\$ 5,099.96
(Lisa Warren QDRO paymer	it)	\$ 359.29
James Irvin	Service Retirement	\$ 3,311.55
(Lori Irvin QDRO payment)		\$ 1,428.37
David Len Crow	Service Retirement	\$ 4,350.64
Randy Muirhead	Service Retirement	\$ 5,500.94
Jerry Sykes	Service Retirement	\$ 4,494.56
	TOTAL	P71 144 52

TOTAL

\$71,144.53



Waxahachie Firemen's Relief & Retirement Fund

September 30, 2017

REGISTRATION

Department Name Waxahachie Firemen's Relief & Retirement Fund				
Department Address	107 Water St. P.O.Box 1045			
City, State, Zip	Waxahachie, TX 75165			
Business Phone #	(972) 937-1200			
Business Fax #				
Fiscal Year End	ieptember 30, 2017			

BOARD OF TRUSTEES

						The second secon	
Ħ	Statutory Position	Name	Email Address	Phone Number	Board Title	Beginning Term Date	Ending Term Date
1	Mayor or Designee	David Hill		(469) 309-4000	Trustee	N/A	N/A
	13.77	1			Trustee/City Finance		
2	CFO or Designee	Charles Harris	The second secon	(469) 309-4000	Director	N/A	N/A
3	Elected Member	Marcus Brown		(469) 309-4200	Secretary	January-16	January-19
4	Elected Member	Gary Myers	gmyers@waxahachiefire.org	(469) 309-4200	Chairman	January-14	January-17
5	Elected Member	Matt Dorsey	mdorsey@waxahachiefire.org	(469) 309-4200	Vice Chairman	January-15	January-18
6	Citizen Member	John Tillery		(469) 309-4000	Trustee	March-15	March-17
7	Citizen Member	Jeff Frazier		(469) 309-4000	Trustee	March-16	March-18

Administrator

#	Position						
1	Administrator	Gary Myers	gmyers@waxahachiefire.org	(972) 937-1200	Chairman	January-14	January-17
2							



2/1/2018 Trustees Page 1



Waxahachie Firemen's Relief & Retirement Fund

September 30, 2017

REGISTRATION

Department Name: Waxahachie Firemen's Relief & Retirement Fund

Fiscal Year End: September 30, 2017

CONTRACTORS

	Service Provided	Firm Name	Contact	Address	City	State	Zip Code	Email	Phone	Fax
1	Accountant	Helen R Duvall CPA	Helen Duvall	117 Misty Morning	League City	TX	77573	helen.duvall@cpa.com	(832) 620-0424	(281) 754-4580
2	Actuary	Retirement Horizons	Mickey G. McDaniel	2201 Timberloch, Suite 150	The Woodlands	TX	77380	mmcdaniel@retirement-horizons.com	(281) 296-1100	(281) 296-1118
3	Attorney	Hund, Krier, Wilkerson & Wright, PC	Kimberly E. Wilkerson	4021 84th Street	Lubbock	TX	79423	kwilkerson@hkwiaw.com	(806) 783-8700	(806) 783-8710
4	Auditor	Yeldell, Wilson, Wood & Reeve, PC	Greer Yeldell	611 5 Clay Street	Ennis	TX	75119	contact@ywocpa.com	(972) 878-2611	(972) 878-2220
5	Investment Consultant	Morgan Stanley	John T. Sharpe	2800 Post Oak Blvd 18th Floor	Houston	TX	77056	tim.sharpe@morganstanley.com	(713) 993-2747	(713) 965-5050
6	Investment Custodian	Frost Bank	John T. Sharpe	2800 Post Oak Blvd 18th Floor	Houston	TX	77056	tim,sharpe@morganstanley.com	(713) 993-2747	(713) 965-5050
7	Investment Manager	Delaware Capital Management	John T. Sharpe	2800 Post Oak Blvd 18th Floor	Houston	TX	77056	tim.sharpe@morganstanley.com	(713) 993-2747	(713) 965-5050
8	Investment Manager	Great Lakes Advisors, Inc.	John T. Sharpe	2800 Post Oak Blvd 18th Floor	Houston	TX	77056	tim.sharpe@morganstanley.com	(713) 993-2747	(713) 965-5050
9	Investment Manager	Wedgewood Partners, Inc.	John T. Sharpe	2800 Post Oak Blvd 18th Floor	Houston	TX	77056	tim.sharpe@morganstanley.com	(713) 993-2747	(713) 965-5050
10	Investment Manager	Federated Investors, Inc.	John T. Sharpe	2800 Post Oak Bivd 18th Floor	Houston	TX	77056	tim.sharpe@morganstanley.com	(713) 993-2747	(713) 965-5050
11	Investment Manager	MFS Institutional Advisors	John T. Sharpe	2800 Post Oak Blvd 18th Floor	Houston	TX	77056	tim.sharpe@morganstanley.com	(713) 993-2747	(713) 965-5050
12	Investment Manager	Glovista Investments, LLC	John T. Sharpe	2800 Post Oak Blvd 18th Floor	Houston	TX	77056	tim.sharpe@morganstanley.com	(713) 993-2747	(713) 965-5050
13	Investment Manager	The Blackstone Group	John T. Sharpe	2800 Post Oak Blvd 18th Floor	Houston	TX	77056	tim.sharpe@morganstanley.com	(713) 993-2747	(713) 965-5050
14	Investment Manager	Goldman Sachs Asset Management	John T. Sharpe	2800 Post Oak Blvd 18th Floor	Houston	TX	77056	tim.sharpe@morganstankey.com	(713) 993-2747	(713) 965-5050
15	Investment Manager	Blackrock Strategic, Inc.	John T. Sharpe	2800 Post Oak Blvd 18th Floor	Houston	TX	77056	tim.sharpe@morganstanley.com	(713) 993-2747	(713) 965-5050
16	Investment Manager	WCM Investment Management	John T. Sharpe	2800 Post Oak Blvd 18th Floor	Houston	TX	77056	tim.sharpe@morganstanley.com	(713) 993-2747	(713) 965-5050
17	Investment Manager				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1				



2/1/2018



Waxahachie Firemen's Relief & Retirement Fund

September 30, 2017

Asset Class	September 30, 2	September 30, 2016		
	Market Value	%	Market Value	%
a Cash and equivalents	505,105.50	3.6%	356,012.41	2.39
c Fixed income mutual funds	1,937,207.47	13.6%	2,198,152.00	13.9%
d Exchange traded funds	751,655.91	5.3%	711,726.82	4.5%
e Corporate bonds fixed income	554,655.92	3.9%	657,431.85	4.2%
f Government bonds	352,063.34	2.5%	402,201.79	2.59
g Municipal bonds	40,035.25	0.3%		0.0%
j Common stock - domestic	5,572,196.61	39.3%	6,136,570.89	38.8%
k Common stock - international	2,857,212.49	20.1%	3,396,529.12	21.5%
Alternatives - hedge funds shares	1,626,489.46	11.5%	1,790,176.46	11.3%
m Alternatives - real estate		0.0%	112,481.62	0.7%
n Alternatives - mortgage			49,649.89	0.3%
	14,196,621.95	100.0%	15,810,932.85	100.0%

	14,196,621.95	100.0%	15,810,932.85	100.0%
Exchange traded funds	751,655.91	5.3%	711,726.82	4.5%
Alternatives	1,626,489.46	11.5%	1,952,307.97	12.3%
Cash Equivalents	505,105.50	3.6%	356,012.41	2.3%
Equities	8,429,409.10	59.4%	9,533,100.01	60.3%
Fixed Income	2,883,961.98	20.3%	3,257,785.64	20.6%

Other Assets

Other		
Receivables		
Accrued Income	4,536.99	6,154.88
Payables (enter negative amount)		
Total Assets	14,201,158.94	15,817,087.73





Waxahachie Firemen's Relief & Retirement Fund September 30, 2017

Revenues for Reporting Year

A Contributions			Percent of Salary	Amount	
Fire Fighters' Contribution			12.00%	493,454.00	
City Matching Contributions as a Percent of Salary	15.01%	15.53%	15.41%	633,626.50	
Total Contributions	10/01-12/31/2016	01/01-09/30/2017	27.41%	1,127,080.50	\$1,127,080.5
Interest or Dividends on:					
Securities - equity and debt				270,024.16	
Money Markets				491.00	
Alternative Investments	2000000	(80)		130,966.74	
Realized Gains/Losses	3-30-30-a		- 0.00	445,279.54	
Unrealized (Appreciation / Depreciation)				863,505.71	
Other income			***	• 1	
Total Interest or Dividends				1,710,267.15	\$1,710,267.1
Other income				•	\$1,710,7
Miscellaneous Revenues (I.e transfers, refunds, etc)		- <u> </u>			éo
					\$0.
otal Revenue		ii.— Prop			\$2,837,347.6





Waxahachie Firemen's Relief & Retirement Fund September 30, 2017

Disbursements (or Expenses) for Reporting Year

nefit Expenditures	Count	Amount	
Monthly Payments for Service & Early Ret. Benefits	24.00	730,045.24	2
Paid on Disability (On-Duty)	1.00	11,371.68	
Paid on Spouses Benefits	2.00	54,817.32	
QDRO Payments	5.00	41,551.68	
Paid on Children's Benefits	North Control		
Paid on Disability (Off-Duty)			
"DROP" Lump Sum distributions	1.00	76,000.00	
Refund of Contributions	3.00	126,398.27	
Lump Sum Death Benefit			
Total Benefits	36.00	1,040,184.19	\$1,040,184.1
n-Benefit Expenditures		Amount	
Actuarial Fees	Witte	10,964.00	
Audit Fees		7,100.00	
Bank Trust Fees		1,786.16	
Investment Consultant Fees		96,800.64	
Investment Managers' Fees		56,743.09	
Travel Expense	42		
Education & Training		200.00	
Professional Memberships	- 100 and 100		
Fiduciary Insurance			
Physicians' Fees			
Legal Fees		1,015.00	
Accounting Fees		3,232.50	
Furniture and Equipment		E -a -onex paras	
Office Overhead			
Miscellaneous (postage, checks, etc.)			
Other (indicate type of expense)	Foreign agent custody fees	3,392.84	
Total Non-Benefit Expenditures		181,234.23	\$181,234.23



Waxahachie Firemen's Relief & Retirement Fund

September 30, 2017

	Total Revenue	\$2,837,347.65
	Total Expenses	\$1,221,418.42
	Net Income (Total Revenues - Total Expenses)	\$1,615,929.23
mparing	End of Year Assets	
300	Generated By FFPC (A)	\$15,817,087.73
	End of Year Assets September 30, 2017 (B)	\$15,817,087.73
	Difference (A-B)	\$0.00
		Match
proximat	te Rate of Return for the Year	10,73%
mher of A	Active Fire Fighters During the Reporting Year	
	NEW	55
ancial In	nformation Attested By:	Date
	NEW	
ancial In	nformation Attested By:	
ancial In	nformation Attested By:	
ancial In	Gary Myers , Chairman	
ancial In	Gary Myers , Chairman	
ancial In ed: ed:	Gary Myers , Chairman Matt Dorsey , Vice-Chairman	

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Waxahachie Firemen's Relief & Retirement Fund

Quarterly Report December 31, 2017



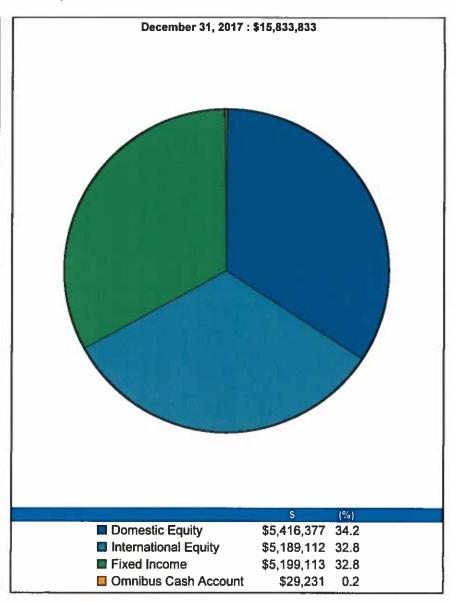
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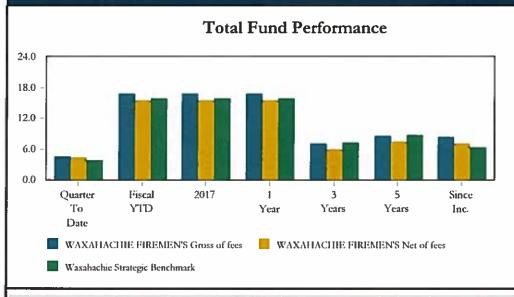
Waxahachie Firemen's Relief & Retirement Fund Balances & Asset Allocation As of December 31, 2017

omestic Equity elaware Domestic LCV		
elaware Domestic LCV	\$5,416,377	34.2
	\$1,848,054	11.7
anguard LCV	\$189,584	1.2
Vedgewood Partners - Focus Growth	\$1,618,028	10.2
anguard LCG	\$470,158	3.0
reat Lakes - SMID Cap Core	\$1,950,295	12.3
nternational Equity	\$5,189,112	32.8
/CM Invest Mgmt - Focused Growth Intl	\$1,975,955	12.5
elaware International LCV	\$1,948,449	12.3
lovista Investments Emerging Markets	\$1,264,707	8.0
ixed Income	\$5,199,113	32.8
ederated Investors Fixed Income	\$1,720,762	10.9
lackstone BREIF II	\$1,810,855	11.4
lackrock Strategic Income	\$1,667,496	10.5
mnibus Cash Account	\$29,231	0.2
/AXAHACHIE FIREMEN'S	\$15.833.833	100.0
lackrock Strategic Income	\$1,667,496 \$29,231	10.5 0.2



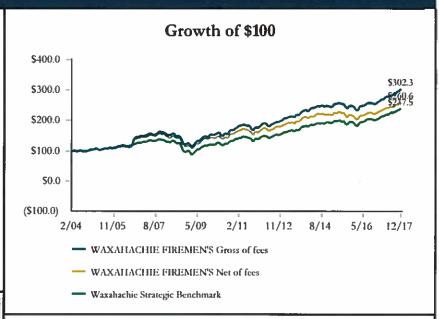


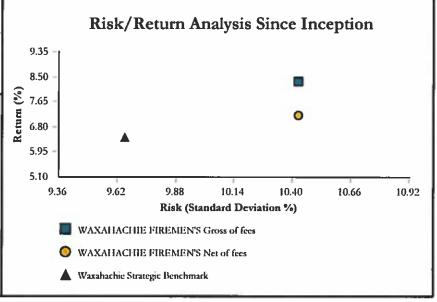
Waxahachie Firemen's Relief & Retirement Fund As of December 31, 2017



								Inception Date
WAXAHACHIE FIREMEN'S Gross of fees	4.61	16.85	16.85	7.09	8.57	8.22	8.37	03/31/2004
WAXAHACHIE FIREMEN'S Net of fees	4.34	15.65	15.65	5.99	7.45	7.09	7.21	03/31/2004
Waxahachie Strategic Benchmark	3.83	15.91	15.91	7.33	8.73	8.09	6.49	03/31/2004

Quarter To Date	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	Since Inc.
15,753	14,224	14,224	13,855	10,779	8,695	4,647
-631	-761	-761	-1,047	-420	274	752
712	2,372	2,372	3,025	5,475	6,865	10,435
15,834	15,834	15,834	15,834	15,834	15,834	15,834
	To Date 15,753 -631 712	To Piscal YTD 15,753 14,224 -631 -761 712 2,372	To Date YTD Year 15,753 14,224 14,224 -631 -761 -761 712 2,372 2,372	To Date YTD Year Years 15,753 14,224 14,224 13,855 -631 -761 -761 -1,047 712 2,372 2,372 3,025	To Piscal 1 3 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	To Date YTD Year Years Years Years 15,753 14,224 14,224 13,855 10,779 8,695 -631 -761 -761 -1,047 -420 274 712 2,372 2,372 3,025 5,475 6,865







Waxahachie Firemen's Relief & Retirement Fund (Net of Fees)

As of December 31, 2017

	Alloca	ition				Perform	ance(%)			
	Market Value (\$000)	%	Current Quarter	YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
WAXAHACHIE FIREMEN'S	15,833.83	100,00	4.34	15.65	15.65	5.99	7.45	5.41	7.21	03/31/200-
Waxahachie Strategic Benchmark			3.83	15.91	15.91	7.33	8.73	5.81	6.50	
Omnibus Cash Account	29.23	0.18								
90-Day T-Bills			0.28	0.84	0.84	0.38	0.24	0.29	1.23	
Domestic Equity	5,416.38	34.21	5.21	12.87	12.87	8.43	13.96	8.20	8.50	03/31/2004
Russell 3000			6.34	21.13	21.13	11.12	15.58	8.60	8,89	
Delaware Domestic LCV	1,848.05	11.67	5.21	12.87	12.87	8.43	13.96	8.20	8.50	03/31/2004
Russell 1000 VL			5.33	13.66	13.66	8.65	14.04	7.10	8.15	
Vanguard LCV	189.58	1.20							2.27	11/30/2017
Russell 1000 VL									2.09	
Wedgewood Partners - Focus Growth	1,618.03	10.22	8.20	20.31	20.31	5.47	10.54	8.84	8.34	12/27/2005
Russell 1000 Gr			7.86	30.21	30.21	13.79	17.33	10.00	9.89	
Vanguard LCG	470.16	2.97							1.61	11/30/2017
Russell 1000 Gr									1.82	
Great Lakes - SMID Cap Core	1,950.29	12.32	9.26	18.50	18.50				8.89	06/24/2015
Russell 2500			5.24	16.81	16.81				8.67	
International Equity	5,189.11	32.77	4.49	27.74	27.74	6.44	5.99	0.98	5.42	03/31/2004
MSCI EAFE Net	- 11		4.23	25.03	25.03	7.80	7.90	1.94	6.06	
WCM Invest Mgmt - Focused Growth Intl	1,975.95	12.48	4.57	32.37	32.37				15.89	09/06/2016
MSCI EAFE Gr Net			5.24	28.86	28.86				16.16	
Delaware International LCV	1,948.45	12.31	3.48	20.54	20.54	6.53	7.72	1.36	5.71	03/31/2004
MSCI EAFE VL Net			3.24	21,44	21.44	6.35	6.95	1.15	5.58	
Glovista Investments Emerging Markets	1,264.71	7.99	6.99	34.02	34.02	4.81	1.49		3.63	10/14/2011
MSCI EM Net			7.44	37.28	37.28	9.11	4.35		6.09	

All returns shown time weighted net of fees

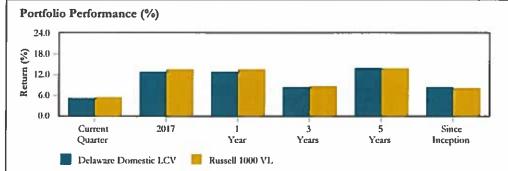


Waxahachie Firemen's Relief & Retirement Fund

As of December 31, 2017

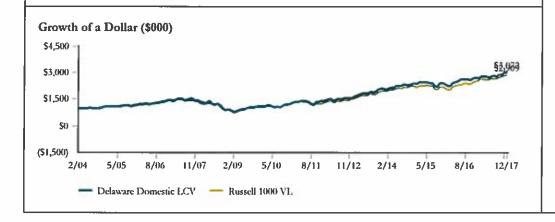
	Alloca	tion	Performance(%)							
	Market Value (\$000)	⁰ / ₀	Current Quarter	YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Fixed Income	5,199.11	32.84	0.61	5.41	5.41	2.78	1.90	3.58	3.44	03/31/2004
Barclays Aggregate			0.39	3,54	3.54	2.24	2.10	4.00	4.04	
Federated Investors Fixed Income	1,720.76	10.87	0.38	3.34	3.34	2,13	1.83		2.49	10/20/2010
Barclays Aggregate			0.39	3.54	3.54	2.24	2.10		2.85	
Blackstone BREIF II	1,810.85	11.44	0.79	8.46	8.46	5.06			3.96	07/01/2014
Barclays Aggregate			0.39	3.54	3.54	2.24			2.48	
Blackrock Strategic Income	1,667.50	10.53	0.67	4.15	4.15				4.48	02/17/2016
Barclays Aggregate			0.39	3.54	3,54				2.37	

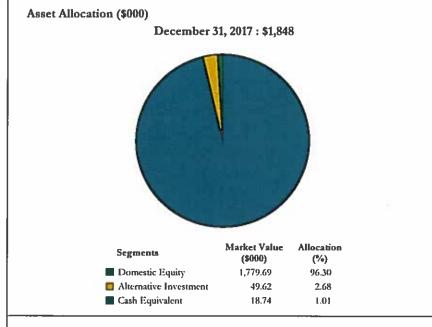
Delaware Domestic LCV
As of 12/31/17



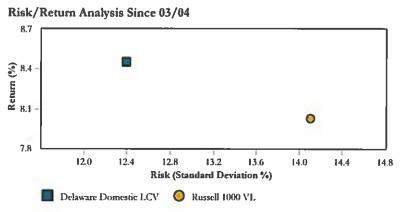
	Current Quarter	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Delaware Domestic LCV	5.21	12.87	12.87	8.43	13.96	8.50	03/31/2004
Russell 1000 VL	5.33	13.66	13.66	8.65	14.04	8.15	03/31/2004

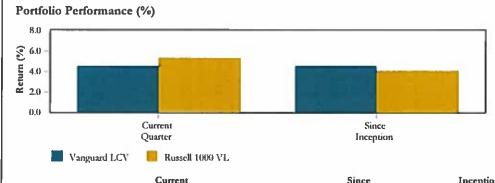
	Current Quarter	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Delaware Domestic LCV	,						03/31/2004
Beginning Market Value	2,319	2,176	2,176	2,189	1,676	738	
Net Contributions	-574	-589	-589	-854	-1,118	-854	
Fees/Expenses	-6	-26	-26	-75	-120	-241	
Income	13	55	55	164	262	578	
Gain/Loss	96	232	232	424	1,147	1,628	
Ending Market Value	1,848	1,848	1,848	1,848	1,848	1,848	





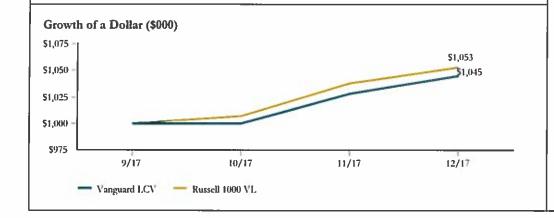
Portfolio Characteristics vs. Russell 1000 VL Since Inception								
	Beta	Alpha	R-Squared	Sharpe Ratio	Inception Date			
Delaware Domestic LCV	0.83	1.63	0.90	0.62	03/31/2004			

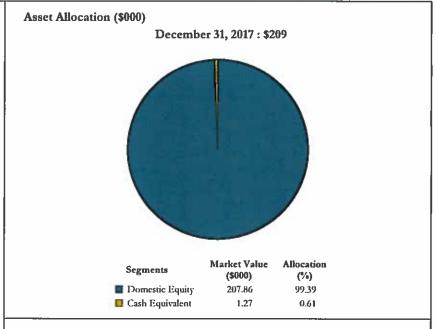




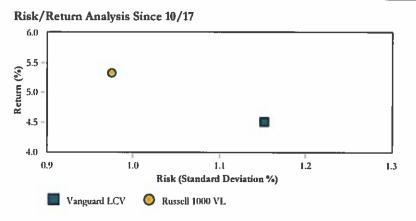
Current		Since	inception
	Quarter	Inception	Date
Vanguard LCV	4.51	4.51	10/30/2017
Russell 1000 VI.	5.33	4.05	10/30/2017

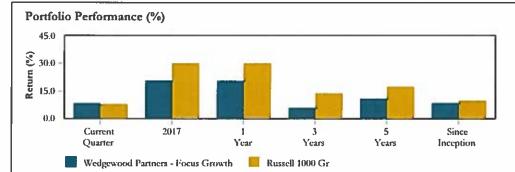
	Current Quarter	Since Inception	Inception Date
Vanguard LCV			10/30/2017
Beginning Market Value	200	200	
Net Contributions	14.7		
Fees/Expenses			
Income	1	1	
Gain/Loss	8	8	
Ending Market Value	209	209	





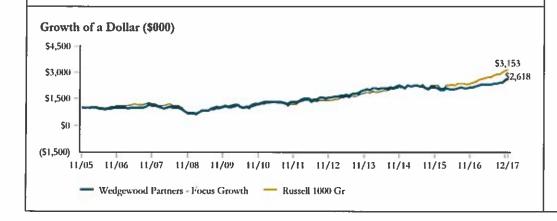
Portfolio Characteristics vs. Russell 1000 VL Since Inception								
	Beta	Alpha	R-Squared	Sharpe Ratio	Inception Date			
Vanguard LCV	1.12	-0.48	0.91	1.21	10/30/2017			

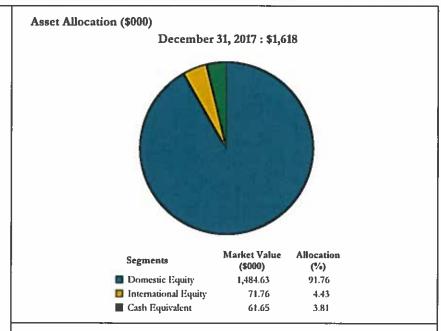




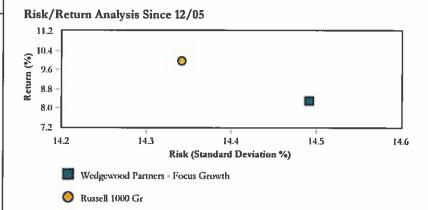
	Current Quarter	YTD	l Year	3 Years	5 Years	Since Inception	Inception Date
Wedgewood Partners - Focus Growth	8.20	20.31	20.31	5.47	10.54	8.34	12/27/2005
Russell 1000 Gr	7.86	30.21	30.21	13.79	17.33	9.96	12/01/2005

	Current Quarter	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Wedgewood Partners - Focus Growth							12/27/2005
Beginning Market Value	2,301	2,069	2,069	2,111	1,698	-	
Net Contributions	-850	-850	-850	-835	-1,060	-84	
Fees/Expenses	-6	-23	- <u>23</u>	-66	-108	-210	
Income	6	24	24	68	102	166	
Gain/Loss	167	397	397	339	986	1,746	
Ending Market Value	1,618	1,618	1,618	1,618	1,618	1,618	

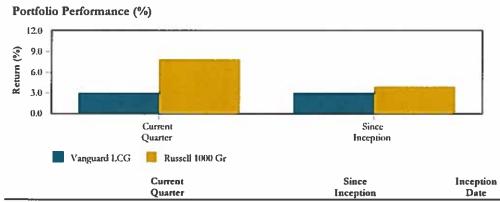




Portfolio Characteristics vs. Russell 1000 Gr Since Inception Beta Alpha R-Squared Sharpe Ratio Date Wedgewood Partners - Focus Growth 0.93 -0.78 0.84 0.55 12/27/2005

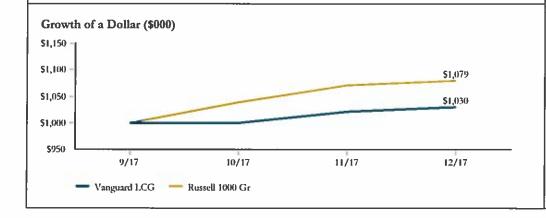


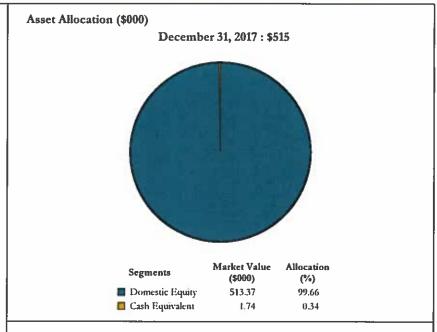
Vanguard LCG As of 12/31/17



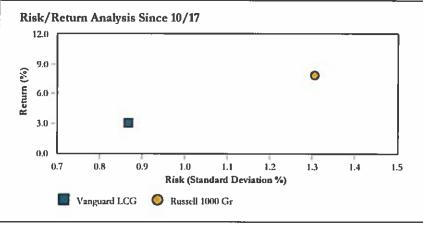
	Quarter	Inception	Date
Vanguard LCG	3.01	3.01	10/30/2017
Russell 1000 Gr	7.86	3.95	10/30/2017

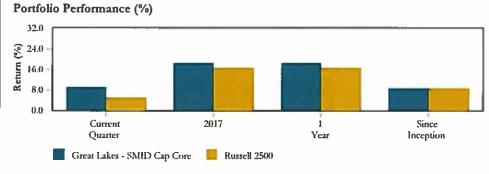
Current Quarter		Since Inception	Inception Date
Vanguard LCG	<u>-</u>		10/30/2017
Beginning Market Value	500	500	
Net Contributions	25	28	
Fees/Expenses	×1	¥t.	
Income	2	2	
Gain/Loss	14	14	
Ending Market Value	515	515	





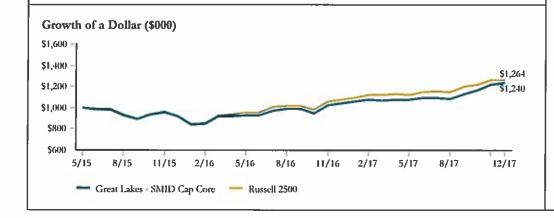
Portfolio Chara	cteristics	vs. Russel	l 1000 Gr Since	Inception	
<u> 20</u>	Beta	Alpha	R-Squared	Sharpe Ratio	Inception Date
Vanguard LCG	-0.11	1.28	0.03	1.04	10/30/2017

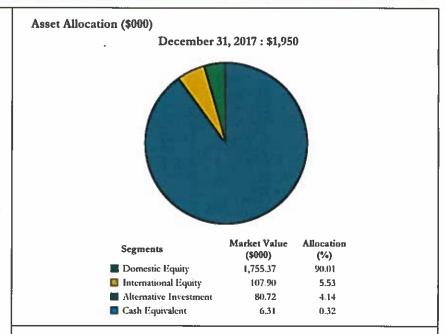




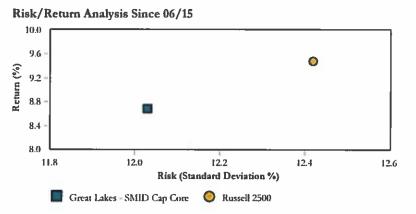
	Current Quarter	YTD	1 Year	Since Inception	Inception Date
Great Lakes - SMID Cap Core	9.26	18.50	18.50	8.89	06/24/2015
Russell 2500	5.24	16.81	16.81	9.46	06/01/2015

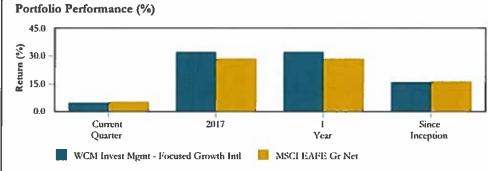
	Current Quarter	YTD	1 Year	Since Inception	Inception Date
Great Lakes - SMID Cap Core	• •	•			06/24/2015
Beginning Market Value	1,785	1,766	1,766	1,662	
Net Contributions		-125	-125	-105	
Fees/Expenses	-5	-21	-21	-48	
Income	5	25	25	64	
Gain/Loss	165	306	306	377	
Ending Market Value	1,950	1,950	1,950	1,950	





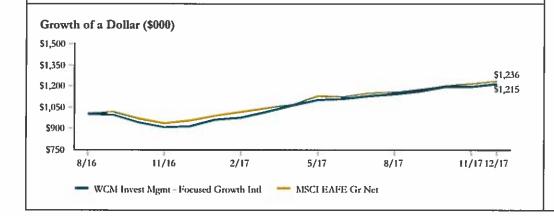
Portfolio Characteristics	vs. Rus	sell 2500	Since Incep	tion		
ž	Beta	Alpha	R-Squared	Sharpe Ratio	Inception Date	
Great Lakes - SMID Cap Core	0.94	-0.21	0.94	0.72	06/24/2015	•

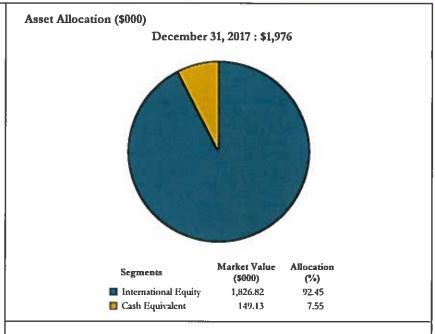




	Current Quarter	YTD	1 Year	Since Inception	Inception Date
WCM Invest Mgmt - Focused Growth Intl	4.57	32.37	32.37	15.89	09/06/2016
MSCI EAFE Gr Net	5.24	28.86	28.86	17.25	09/01/2016

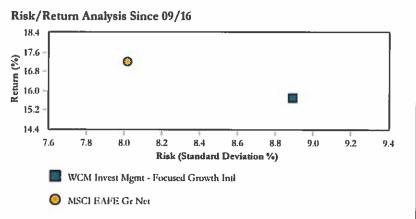
	Current Quarter	YTD	1 Year	Since Inception	Inception Date
WCM Invest Mgmt - Focused Growth Intl					09/06/2016
Beginning Market Value	1,666	1,341	1,341	1,461	
Net Contributions	233	201	201	202	
Fees/Expenses	-6	-22	-22	-28	
Income	5	25	25	29	
Gain/Loss	78	430	430	312	
Ending Market Value	1,976	1,976	1,976	1,976	

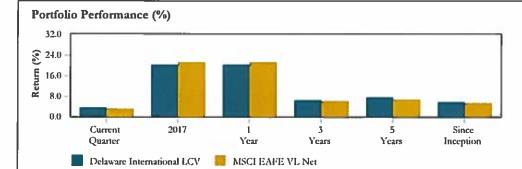




Portfolio Characteristics vs. MSCI EAFE Gr Net Since Inception

-	Beta	Alpha	R-Squared	Sharpe Ratio	Inception Date .
WCM Invest Mgmt - Focused Growth Intl	1.01	-1.41	0.83	1.62	09/06/2016

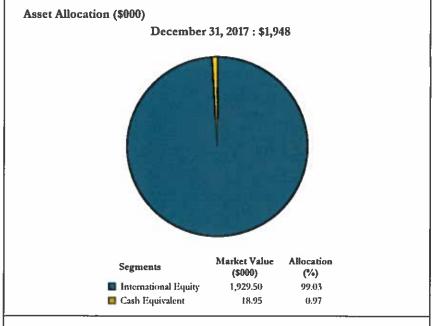




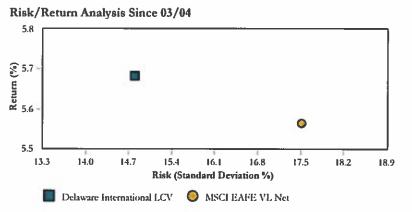
	Current Quarter	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Delaware International LCV	3.48	20.54	20.54	6.53	7.72	5.71	03/31/2004
MSCI EAFE VL Net	3.24	21.44	21.44	6.35	6.95	5.58	03/31/2004

(, ,	Current	YTD	1	. 3	5	Since	Inception
	Quarter		Year	Years	Years	Inception	Date
Delaware International LCV							03/31/2004
Beginning Market Value	1,655	1,425	1,425	1,407	1,035	532	
Net Contributions	233	228	228	243	389	529	
Fees/Expenses	-5	-17	-17	-49	-79	-204	
Income	12	49	49	126	220	626	
Gain/Loss	53	264	264	222	384	465	
Ending Market Value	1,948	1,948	1,948	1,948	1,948	1,948	





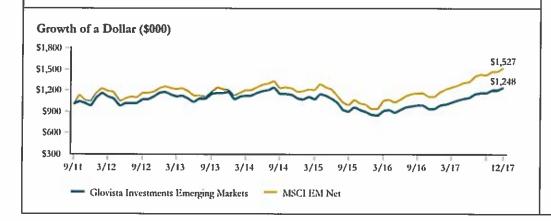
Portfolio Characteristica	s vs. MS	CI EAF	E Net Since	Inception	
	Beta	Alpha	R-Squared	Sharpe Ratio	Inception Date
Delaware International LCV	0.86	0.43	0.92	0.37	03/31/2004

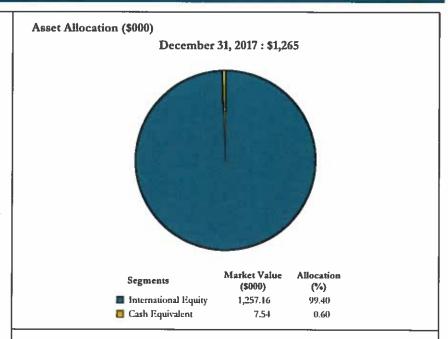




	Current Quarter	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Glovista Investments Emerging Markets	6.99	34.02	34.02	4.81	1.49	3.63	10/14/2011
MSCI EM Net	7.44	37.28	37.28	9.11	4.35	7.01	10/01/2011

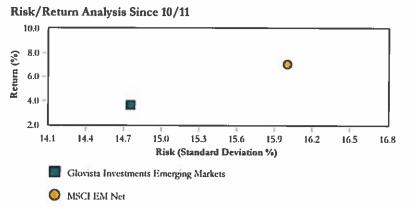
	Current Quarter	YTD	l Year	3 Years	5 Years	Since Inception	Inception Date
Glovista Investments Emerging Markets							10/14/2011
Beginning Market Value	888	770	770	656	637	480	
Net Contributions	311	236	236	436	496	566	
Fees/Expenses	-3	-12	-12	-32	-51	-59	
Income	17	23	23	50	74	91	
Gam/Loss	52	249	249	154	109	186	
Ending Market Value	1,265	1,265	1,265	1,265	1,265	1,265	





Portfolio Characteristics vs. MSCI EM Net Since Inception

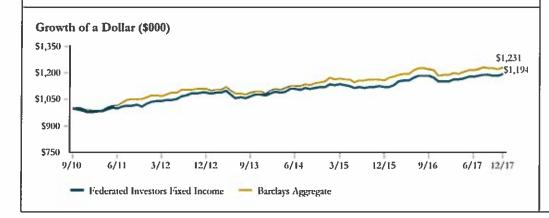
	Beta	Alpha	R-Squared	Sharpe Ratio	Inception Date
Glovista Investments Emerging Markets	0.86	-2.24	0.86	0.30	10/14/2011

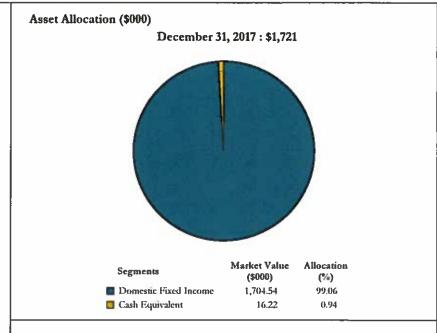


Portfolio Performance (%) 4.0 Current Quarter Year Year Barclays Aggregate Portfolio Performance (%) Since Inception

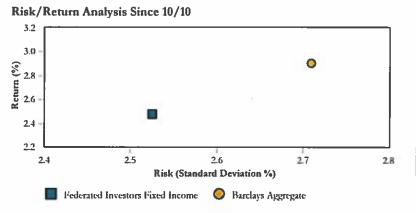
	Current Quarter	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Federated Investors Fixed Income	0.38	3.34	3.34	2.13	1.83	2.49	10/20/2010
Barclays Aggregate	0.39	3.54	3.54	2.24	2.10	2.90	10/01/2010

	Current Quarter	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Federated Investors Fixed Income							10/20/2010
Beginning Market Value	1,674	1,452	1,452	1,547	3,425	6,218	
Net Contributions	40	215	215	76	-1,887	4,957	
Fees/Expenses	-4	-15	-15	-43	-101	-162	
Income	7	32	32	98	276	492	
Gam/Loss	3	36	36	42	8	130	
Linding Market Value	1,721	1,721	1,721	1,721	1,721	1,721	

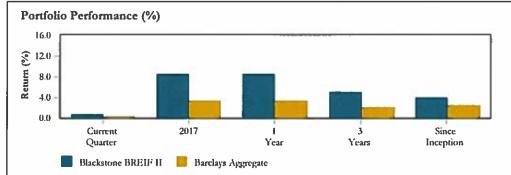




Portfolio Characteristics vs	. Barcla	ıys Aggı	regate Since	Inception	n
¥0	Beta	Alpha	R-Squared	Sharpe Ratio	Inception Date
Federated Investors Fixed Income	0.84	0.03	0.82	0.91	10/20/2010

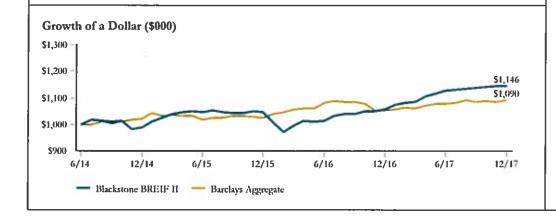


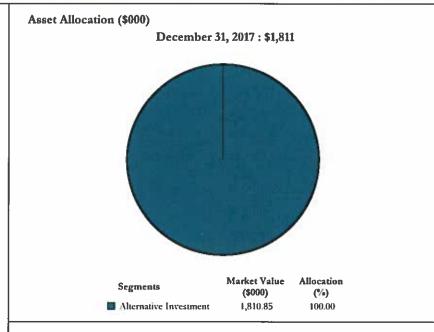
Blackstone BREIF II As of 12/31/17



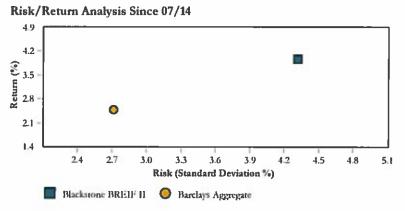
	Current Quarter	YTD	1 Year	3 Years	Since Inception	Inception Date
Blackstone BREIF II	0.79	8.46	8.46	5.06	3.96	07/01/2014
Barclays Aggregate	0.39	3.54	3.54	2.24	2.48	07/01/2014

	Current Quarter	YTD	1 Year	3 Years	Since Inception	Inception Date
Blackstone BREIF II						07/01/2014
Beginning Market Value	1,794	1,659	1,659	1,459	1,389	
Net Contributions	3	11	11	105	200	
Fees/Expenses	-3	-11	-11	-35	-38	
Income				-	79	
Gain/Loss	17	152	152	282	260	
Ending Market Value	1,811	1,811	1,811	1,811	1,811	

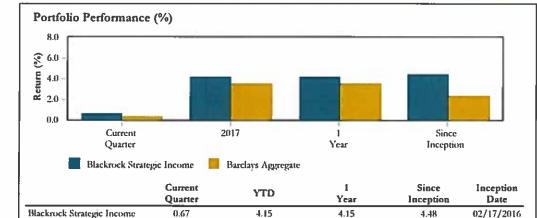




Portfolio Characte	ristics vs.	Barclays	Aggregate Si	nce Incepti	on
	Beta	Alpha	R-Squared	Sharpe Ratio	Inception Date
Blackstone BREIF II	-0.06	4.22	0.00	0.85	07/01/2014



0.39



A	Growth	
ACCAL	t-court n	CMBREE
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Barclays Aggregate

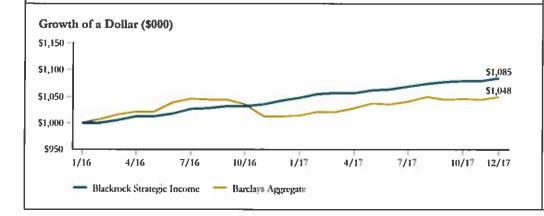
	Current Quarter	YTD	1 Year	Since Inception	Inception Date
Blackrock Strategic Income					02/17/2016
Beginning Market Value	1,609	1,429	1,429	1,320	
Net Contributions	48	175	175	227	
Fees/Expenses	-3	-10	-10	-18	
Income	15	54	54	89	
Gain/Loss	-1	20	20	49	
Ending Market Value	1,667	1,667	1,667	1,667	

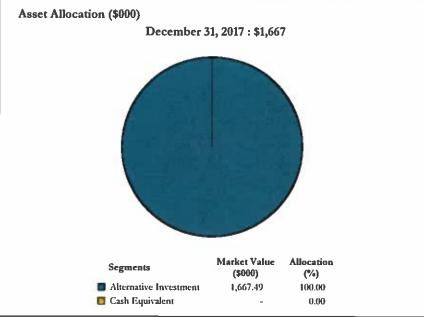
3.54

3.54

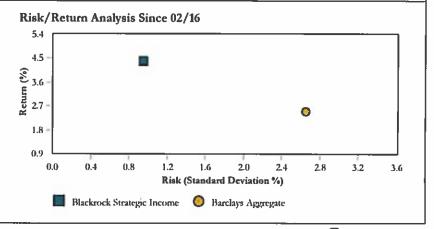
2.50

02/01/2016





Portfolio Characteristics vs. Barclays Aggregate Since Inception					
	Beta	Alpha	R-Squared	Sharpe Ratio	Inception Date .
Blackrock Strategic Income	0.13	4.02	0.14	3.83	02/17/2016



Glossary of Terms

Active Contribution Return: The gain or loss percentage of an investment relative to the performance of the investment benchmark.

Active Exposure: The percentage difference in weight of the portfolio compared to its policy benchmark.

Active Return: Arithmetic difference between the manager's return and the benchmark's return over a specified time period.

Actual Correlation: A measure of the correlation (linear dependence) between two variables X and Y, with a value between +1 and -1 inclusive. This is also referred to as coefficient of correlation.

Alpha: A measure of a portfolio's time weighted return in excess of the market's return, both adjusted for risk. A positive alpha indicates that the portfolio outperformed the market on a risk-adjusted basis, and a negative alpha indicates the portfolio did worse than the market.

Best Quarter: The highest quarterly return for a certain time period.

Beta: A measure of the sensitivity of a portfolio's time weighted return (net of fees) against that of the market. A beta greater than 1.00 indicates volatility greater than the market.

Consistency: The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. The higher the consistency figure, the more value a manager has contributed to the product's performance.

Core: Refers to an investment strategy mandate that is blend of growth and value styles without a pronounced tilt toward either style.

Cumulative Selection Return (Cumulative Return): Cumulative investment performance over a specified period of time.

Distribution Rate: The most recent distribution paid, annualized, and then divided by the current market price. Distribution rate may consist of investment income, short-term capital gains, long-term capital gains, and/or return of capital.

Down Market Capture: The ratio of average portfolio returns over the benchmark during periods of negative benchmark return. Lower values indicate better product performance.

Downside Risk: A measure similar to standard deviation, but focuses only on the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. The higher the value, the more risk the product has.

Downside Semi Deviation: A statistical calculation that measures the volatility of returns below a minimum acceptable return. This return measure isolates the negative portion of volatility: the larger the number, the greater the volatility.

Drawdown: A drawdown is the peak-to-trough decline during a specific period of an investment, fund or commodity.

Excess over Benchmark: The percentage gain or loss of an investment relative to the investment's benchmark.

Excess Return: Arithmetic difference between the manager's return and the risk-free return over a specified time period.

Growth: A diversified investment strategy which includes investment selections that have capital appreciation as the primary goal, with little or no dividend payouts. These strategies can include reinvestment in expansion, acquisitions, and/or research and development opportunities.

Growth of Dollar: The aggregate amount an investment has gained or lost over a certain time period, also referred to as Cumulative Return, stated in terms of the amount to which an initial dollar investment would have grown over the given time period.

Investment Decision Process (IDP): A model for structuring the investment process and implementing the correct attribution methodologies. The IDP includes every decision made concerning the division of the assets under management over the various asset categories. To analyze each decision's contribution to the total return, a modeling approach must measure the marginal value of every individual decision. In this respect, the hierarchy of the decisions becomes very important. We therefore use the IDP model, which serves as a proper foundation for registering the decisions and relating them to each other.

Information Ratio: Measured by dividing the active rate of return by the tracking error. The higher the Information Ratio, the more value-added contribution by the manager.

Jensen's Alpha: The Jensen's alpha measure is a risk-adjusted performance measure that represents the average return on a portfolio or investment above or below that predicted by the capital asset pricing model (CAPM) given the portfolio's or investment's beta and the average market return. This metric is also commonly referred to as alpha.

Kurtosis: A statistical measure that is used to describe the distribution, or skewness, of observed data around the mean, sometimes referred to as the volatility of volatility.

Maximum Drawdown: The drawdown is defined as the percent retrenchment from a fund's peak to the fund's trough value. It is in effect from the time the fund's retrenchment begins until a new fund high is reached. The maximum drawdown encompasses both the period from the fund's peak to the fund's valley (length), and the time from the fund's valley to a new fund high (recovery). It measures the largest percentage drawdown that has occurred in any fund's data record.

Modern Portfolio Theory (MPT): An investment analysis theory on how risk-averse investors can construct portfolios to optimize or maximize expected return based on a given level of market risk, emphasizing that risk is an inherent part of higher reward.

Mutual Fund (MF): An investment program funded by shareholders that trade in diversified holdings and is professionally managed.

Peer Group: A combination of funds that share the same investment style combined as a group for comparison purposes.

Peer/ Plan Sponsor Universe: A combination of asset pools of total plan investments by specific sponsor and plan types for comparison purposes.

Performance Ineligible Assets: Performance returns are not calculated for certain assets because accurate valuations and transaction data for these assets are not processed or maintained by us. Common examples of



these include life insurance, some annuities and some assets held externally.

Performance Statistics: A generic term for various measures of investment performance measurement terms.

Portfolio Characteristics: A generic term for various measures of investment portfolio characteristics.

Preferred Return: A term used in the private equity (PE) world, and also referred to as a "Hurdle Rate." It refers to the threshold return that the limited partners of a private equity fund must receive, prior to the PE firm receiving its carried interest or "carry."

Ratio of Cumulative Wealth: A defined ratio of the Cumulative Return of the portfolio divided by the Cumulative Return of the benchmark for a certain time period.

Regression Based Analysis: A statistical process for estimating the relationships among variables. It includes many techniques for modeling and analyzing several variables, when the focus is on the relationship between a dependent variable and one or more independent variables

Residual Correlation: Within returns-based style analysis, residual correlation refers to the portion of a strategy's return pattern that cannot be explained by its correlation to the asset-class benchmarks to which it is being compared.

Return: A rate of investment performance for the specified period.

Rolling Percentile Ranking: A measure of an investment portfolio's ranking versus a peer group for a specific rolling time period (i.e. Last 3 Years, Last 5 years, etc.).

R-Squared: The percentage of a portfolio's performance explained by the behavior of the appropriate benchmark. High R-Squared means a higher correlation of the portfolio's performance to the appropriate benchmark.

SA/CF (Separate Account/Comingled Fund): Represents an acronym for Separate Account and Commingled Fund investment vehicles.

Sector Benchmark: A market index that serves as a proxy for a sector within an asset class.

Sharpe Ratio: Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is the absolute rate of return per unit of risk. The higher the value, the better the product's historical risk-adjusted performance results in.

Standard Deviation: A statistical measure of the range of a portfolio's performance; the variability of a return around its average return over a specified time period.

Total Fund Benchmark: The policy benchmark for a complete asset pool that could consist of multiple investment mandates.

Total Fund Composite: The aggregate of multiple portfolios within an asset pool or household.

Tracking Error: A measure of standard deviation for a portfolio's investment performance, relative to the performance of an appropriate market benchmark.

Treynor Ratio: A ratio that divides the excess return (above the risk free rate) by the portfolio's beta to arrive at a unified measure of risk adjusted return. It is generally used to rank portfolios, funds and benchmarks. A higher ratio is indicative of higher returns per unit of market risk. This measurement can help determine if the portfolio is reaching its goal of increasing returns while managing market risk.

Up Market Capture: The ratio of average portfolio returns over the benchmark during periods of positive benchmark return. Higher values indicate better product performance.

Upside Semi Deviation: A statistical calculation that measures the volatility of returns above an acceptable return. This return measure isolates the positive portion of volatility; the larger the number, the greater the volatility.

Value: A diversified investment strategy that includes investment selections which tend to trade at a lower price relative to its dividends, earnings, and sales. Common attributes are stocks that include high dividend, low price-to-book ratio, and/or low price-to-earnings ratio.

Worst Quarter: The lowest rolling quarterly return for a certain time period.

Information Disclosures

The performance data shown reflects past performance, which does not guarantee future results. Investment return and principal will fluctuate so that an investor's shares when redeemed may be worth more or less than original cost. Please note, current performance may be higher or lower than the performance data shown. For up to date month-end performance information, please contact your Financial Advisor or visit the funds' company website.

Investors should carefully consider the fund's investment objectives, risks, charges and expenses before investing. The prospectus and, if available the summary prospectus, contains this and other information that should be read carefully before investing. Investors should review the information in the prospectus carefully. To obtain a prospectus, please contact your Financial Advisor or visit the funds' company website.

Past performance is no guarantee of future results.

Investing involves market risk, including possible loss of principal. Growth investing does not guarantee a profit or eliminate risk. The stocks of these companies can have relatively high valuations. Because of these high valuations, an investment in a growth stock can be more risky than an investment in a company with more modest growth expectations. Value investing involves the risk that the market may not recognize that securities are undervalued and they may not appreciate as anticipated. Small and mid-capitalization companies may lack the financial resources, product diversification and competitive strengths of larger companies. The securities of small capitalization companies may not trade as readily as, and be subject to higher volatility than those of larger, more established companies. Bond funds and bond holdings have the same interest rate, inflation and credit risks that are associated with the underlying bonds owned by the funds. The return of principal in bond funds, and in funds with significant bond holdings, is not guaranteed. International securities' prices may carry additional risks, including foreign economic, political, monetary and/or legal factors, changing currency exchange rates, foreign taxes and differences in financial and accounting standards. International investing may not be for everyone. These risks may be magnified in emerging markets. Alternative investments, including private equity funds, real estate funds, hedge funds, managed futures funds, and funds of hedge funds, private equity, and managed futures funds, are speculative and entail significant risks that can include losses due to leveraging or\other speculative investment practices, lack of liquidity, volatility of returns, restrictions on transferring interests in a fund, potential lack of diversification, absence and/or delay of information regarding valuations and pricing. complex tax structures and delays in tax reporting, less regulation and higher fees than mutual funds and risks associated with the operations, personnel and processes of the advisor. Master Limited Partnerships (MLPs) are limited partnerships or limited liability companies that are taxed as partnerships and whose interests (limited partnership units or limited liability company units) are traded on securities exchanges like shares of common stock. Currently, most MLPs operate in the energy, natural resources or real estate

sectors. Investments in MLP interests are subject to the risks generally applicable to companies in the energy and natural resources sectors, including commodity pricing risk, supply and demand risk, depletion risk and exploration risk; and MLP interests in the real estate sector are subject to special risks, including interest rate and property value fluctuations, as well as risks related to general and economic conditions. Because of their narrow focus, MLPs maintain exposure to price volatility of commodities and/or underlying assets and tend to be more volatile than investments that diversify across many sectors and companies. MLPs are also subject to additional risks including: investors having limited control and rights to vote on matters affecting the MLP, limited access to capital, cash flow risk, lack of liquidity, dilution risk, conflict of interests, and limited call rights related to acquisitions.

Mortgage backed securities also involve prepayment risk, in that faster or slower prepayments than expected on underlying mortgage loans can dramatically alter the yield-to-maturity of a mortgage-backed security and prepayment risk includes the possibility that a fund may invest the proceeds at generally lower interest rates.

Tax managed funds may not meet their objective of being tax-efficient.

Real estate investments are subject to special risks, including interest rate and property value fluctuations, as well as risks related to general and economic conditions. High yield fixed income securities, also known as "junk bonds", are considered speculative, involve greater risk of default and tend to be more volatile than investment grade fixed income securities.

Credit quality is a measure of a bond issuer's creditworthiness, or ability to repay interest and principal to bondholders in a timely manner. The credit ratings shown are based on security rating as provided by Standard & Poor's, Moody's and/or Fitch, as applicable. Credit ratings are issued by the rating agencies for the underlying securities in the fund and not the fund itself, and the credit quality of the securities in the fund does not represent the stability or safety of the fund. Credit ratings shown range from AAA, being the highest, to D, being the lowest based on S&P and Fitch's classification (the equivalent of Aaa and C, respectively, by Moody(s). Ratings of BBB or higher by S&P and Fitch (Baa or higher by Moody's) are considered to be investment grade-quality securities. If two or more of the agencies have assigned different ratings to a security, the highest rating is applied. Securities that are not rated by all three agencies are listed as "NR".

"Alpha tilt strategies comprise a core holding of stocks that mimic a benchmark type index such as the S&P 500 to which additional securities are added to help tilt the fund toward potentially outperforming the market in an effort to enhance overall investment returns. Tilt strategies are subject to significant timing risk and could potentially expose investors to extended periods of underperformance."

Custom Account Index: The Custom Account Index is an investment benchmark based on your historical target allocations and/or manager selection that you may use to evaluate the performance of your account. The Custom Account index does take into consideration certain changes that may have occurred in your portfolio since the inception of your account, i.e., asset class and/or manager changes. However, in some circumstances, it may not be an appropriate benchmark for use with your specific account composition. For detailed report of the historical composition of this blend please contact your Financial Advisor.

Peer Groups

Peer Groups are a collection of similar investment strategies that essentially group investment products that share the same investment approach. Peer Groups are used for comparison purposes to compare and illustrate a clients investment portfolio versus its peer across various quantitative metrics like performance and risk. Peer Group comparison is conceptually another form of benchmark comparison whereby the

actual investment can be ranked versus its peer across various quantitative metrics.

All Peer Group data are provided by Investment Metrics, LLC.

The URL below provides all the definitions and methodology about the various Peer Groups

https://www.invmetrics.com/style-peer-groups

Peer Group Ranking Methodology

A percentile rank denotes the value of a product in which a certain percent of observations fall within a peer group. The range of percentile rankings is between 1 and 100, where 1 represents a high statistical value and 100 represents a low statistical value.

The 30th percentile, for example, is the value in which 30% of the highest observations may be found, the 65th percentile is the value in which 65% of the highest observations may be found, and so on.

Percentile rankings are calculated based on a normalized distribution ranging from 1 to 100 for all products in each peer group, where a ranking of 1 denotes a high statistical value and a ranking of 100 denotes a low statistical value. It is important to note that the same ranking methodology applies to all statistics, implying that a ranking of 1 will always mean highest value across all statistics.

For example, consider a risk/return assessment using standard deviation as a measure of risk. A percentile ranking equal to 1 for return denotes highest return, whereas a percentile ranking of 1 for standard deviation denotes highest risk among peers.

In addition, values may be used to demonstrate quartile rankings. For example, the third quartile is also known as the 75th percentile, and the median is the 50th percentile.

Alternatives

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As fees are deducted quarterly, the compounding effect will be to increase the impact of the fees by an amount directly related to the gross account performance. For example, for an account with an initial value of \$100,000 and a 2.5% annual fee, if the gross performance is 5% per year over a three year period, the compounding effect of the fees will result in a net annual compound rate of return of approximately 2.40% per year over a three year period, and the total value of the client's portfolio at the end of the three year period would be approximately \$115,762.50 without the fees and \$107,372.63 with the fees.

Please see the applicable Morgan Stanley Smith Barney LLC Form ADV Part 2A for more information including a description of the fee schedule. It is available at www.morganstanley.com/ADV http://www.morganstanley.com/ADV or from your Financial Advisor/Private Wealth Advisor.

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