# A GENDA

A regular meeting of the Board of Trustees of the Waxahachie Firemen's Relief and Retirement (FR&R) Fund to be held at Waxahachie Fire Station No. 1, 407 Water Street, Waxahachie, Texas on *Monday, January 13, 2020 at 8:30 a.m.* 

BOARD MEMBERS: Gary Myers, Chairman

Matt Dorsey, Vice Chairman Scott Safford, Secretary

John Tillery Lee Statham David Hill, Mayor

Charles Harris, Finance Director

- 1. Call to Order
- 2. **Public Comments:** Persons may address the Waxahachie Firemen's Relief and Retirement (FR&R) Fund on any issues. This is the appropriate time for citizens to address the Waxahachie Firemen's Relief and Retirement (FR&R) Fund on any concern whether on this agenda or not. In accordance with the State of Texas Open Meetings Act, the Waxahachie Firemen's Relief and Retirement (FR&R) Fund may not comment or deliberate such statements during this period, except as authorized by Section 551.042, Texas Government Code.
- 3. Canvass votes for FR&R Firefighter Board Member
- 4. Administer Oath of Office to Board Member
- 5. Reorganize the Board
- 6. Consent Agenda

All matters listed under Item 6, 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 December 9, 2019
- b. Annuity checks for FR&R Retirees and other disbursements for the month of February 2020
- 7. Hear Fourth Quarter Report 2019 from Graystone Consulting and take any necessary action
- 8. Consider invoice from Retirement Horizons
- 9. Consider invoice from Helen R. Duvall, CPA
- 10. Discuss consultant search and take any necessary action
- 11. Set next meeting date and time of Firemen's Relief and Retirement Fund Board
- 12. 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

Notice of Potential Quorum

One or more members of the Waxahachie City Council may be present at this meeting

No action will be taken by the City Council at this meeting

(6a)

Firemen's Relief & Retirement Fund December 9, 2019

A regular meeting of the Board of Trustees of the Waxahachie Firemen's Relief and Retirement (FR&R) Fund was held at Waxahachie Fire Station No. 1, 407 Water Street, Waxahachie, Texas on Monday, December 9, 2019 at 8:30 a.m.

Members Present: Gary Myers, Chairman

Matt Dorsey, Vice Chairman Scott Safford, Secretary

John Tillery

David Hill, Mayor

Members Absent: Lee Statham

Charles Harris, Finance Director

Others Present: Clarice Crocker, Acting Assistant City Secretary

#### 1. Call to Order

Chairman Gary Myers called the meeting to order.

#### 2. Public Comments

None

#### 3. Consent Agenda

- a. Minutes of the regular Firemen's Relief & Retirement Fund meeting of November 11, 2019
- b. Annuity checks for FR&R Retirees and other disbursements for the month of January 2020

#### Action:

Vice Chairman Matt Dorsey moved to approve items a. and b. on the Consent Agenda. Mr. John Tillery seconded, All Ayes.

# 4. Hear presentation from Claude Parenteau, Parenteau Analytics, on Investment Advise

Mr. Claude Parenteau, Parenteau Analytics, briefed the Board on his investment background experience and services noting he is independent and not affiliated with any bank, investment management firm, or brokerage firm. He accepted feedback from the Board regarding the business relationship with prior consultant and addressed questions from the Board.

# 5. Consider Texas Local Fire Fighters' Retirement Act Annual Report for fiscal year end September 30, 2019

Chairman Myers reviewed the Texas Local Fire Fighters' Retirement Act Annual Report for fiscal year end September 30, 2019. He referenced the year end balances for assets, contributions, total revenue, benefits, investment consultant and mangers' fees, net income, and end of year assets.

(6a)

Firemen's Relief & Retirement Fund December 9, 2019 Page 2

Chairman Myers reported the approximate rate of return for the year was 3.29% noting it included the 4<sup>th</sup> quarter from last year.

#### Action:

Mr. John Tillery moved to accept the Texas Local Fire Fighters' Retirement Act Annual Report for fiscal year end September 30, 2019. Secretary Scott Safford seconded, All Ayes.

### 6. Discuss Pension Review Board Funding Policy and take any necessary action

Chairman Myers stated Legislature changed a law which requires the Board to adopt a funding policy by January 1, 2020 noting the policy has to be filed with the City. The funding policy is designed as a guideline to communicate the Board's position on plan funding policy and how the Fund intends to achieve a 100% funded ratio noting that this plan does that. Chairman Myers contacted Mr. David Sawyer, Retirement Horizons, for assistance. Chairman Myers referenced the Funding Policy Guidance section stating the AFT is initially set to 25 years, noting that this is the amortization period which currently is 22 years, and it will reduce annually by 1 year in each future year until an ultimate 15 year closed period is reached.

#### Action:

Secretary Scott Safford moved to accept the Pension Review Board Funding Policy as presented. Mr. John Tillery seconded, All Ayes.

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

The Firemen's Relief and Retirement Board set their next meeting for Monday, January 13, 2020 at 8:30 a.m.

#### 8. Adjourn

There being no further business, the meeting adjourned at 9:37 a.m.

Respectfully submitted,

Clarice Crocker Acting Assistant City Secretary

# (66) <u>MEMORANDUM</u>

TO:

FR&R Board Members

FROM:

Amber Villarreal, Acting City Secretary

DATE:

January 13, 2020

SUBJECT:

ANNUITY CHECKS

Please approve the annuity checks for the month of February for the following retirees:

Mrs. James Gilley

Widow Benefits

Alan Morgan

Disability

Jimmy Turner John Olin Turner Service Retirement Service Retirement

Mike Slay Service Retirement

(Sharon Cobb QDRO Payment)

John Tillery Loyde Junkin Don Fuller

Service Retirement Service Retirement Service Retirement

Billy Bratcher Service Retirement **Larry Evans** Service Retirement

Dwayne Williams Service Retirement Don Bennett Service Retirement Terry Kuykendall Service Retirement

Steve Hamilton Service Retirement

(Denise Hamilton QDRO payment) Sam Lewis Service Retirement John Chenault Service Retirement Rusty Ogletree Service Retirement Jeff Sport Service Retirement Service Retirement Paul Carrington

(Carol Nunn QDRO payment)

Randy Johnston Service Retirement Terry Skipper Service Retirement Jeff Alexander Service Retirement

(Lisa Warren QDRO payment)

James Irvin Service Retirement

(Lori Irvin QDRO payment)

David Len Crow Service Retirement Randy Muirhead Service Retirement Jerry Sykes Service Retirement Don Alexander Service Retirement **Dennis Crecelious** Service Retirement

**TOTAL** 

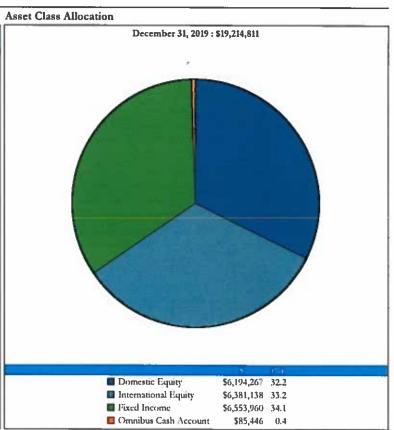
\$80,662.87

Quarterly Report December 31, 2019

#### **Total Fund - Asset Allocation**

as of December 31, 2019

	Total F	serrel
Domestic Equity	\$6,194,267	32.2
Delaware - Domestic LCV	\$1,992,896	10.4
Vanguard Index Fund - LCV	\$296,702	1.5
Polen - Large Cap Growth	\$1,776,885	9.2
Vanguard Index Fund - LCG	\$534,506	2.8
Kayne Anderson - SMID Core	\$1,593,278	8.3
International Equity	\$6,381,138	33.2
Delaware - International Value	\$1,918,989	10.0
WCM - International Growth	\$1,980,229	10.3
Victory Trivalent - Intl SMID	\$1,043,235	5.4
Driehaus - EM	\$1,438,685	7.5
Fixed Income	\$6,553,960	34.1
Federated Investors - Fixed Income	\$2,257,379	11.7
Blackstone - BREIF II	\$2,156,679	11.2
Blackrock - Strategic Income	\$2,139,902	11.1
	48	
Omnibus Cash Account	\$85,446	0.4
Total Fund	\$19,214,811	100.0



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Total Fund - Executive Summary

as of December 31, 2019

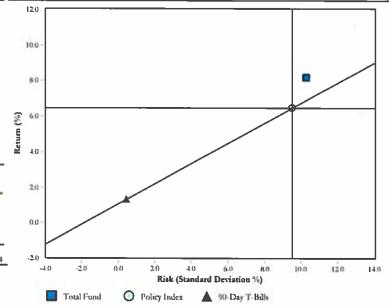


#### Manager Annualized Performance

	Current Quarter	Fiscal YTD	l Year	3 Years	5 Years	7 Years	10 Years	Inception 04/01/2004
Total Fund	6.33	21.29	21.29	10.55	7.26	8.27	8.59	8.16
Policy Index	5.63	19.11	19.11	9.27	6.83	7.97	8.16	6.46
Differences	0.70	2.18	2.18	1.28	0.43	0.30	0.43	1.70
Historic A	sset Grow	th						

	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Inception 04/01/2004
Total Fund								
Beginning Market Value	18,041	15,851	15,851	14,224	13,855	10,779	7,450	4,737
Net Contributions	79	177	177	521	519	1,409	2,639	3,240
Fees/Expenses	-36	-160	-160	-486	-770	-1,033	-1,327	-1,709
Income	113	346	346	1,011	1,584	2,131	2,825	3,867
Gain/Loss	1,021	3,001	3,001	3,946	4,027	5,928	7,629	9,080
Ending Market Value	19,215	19,215	19,215	19,215	19,215	19,215	19,215	19,215
Manager Designation	Committee							

## Manager Risk & Return



## **Modern Portfolio Statistics**

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Market Capture	Down Market Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Total Fund	8.16	10,30	0.96	-30.83	108.51	96.71	1.98	0.69	0.78	04/01/2004
Policy Index	6.46	9.50	1.00	-37.09	100.00	100.00	0.00	0.57	1.00	04/01/2004

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# Waxahachie Firemen's Relief & Retirement Fund Asset Allocation & Time Weighted Performance

as of December 31, 2019

	Alloca	tion				P	erformance(%	(a)			
	Market Value (\$)	%	Current Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
Total Fund	19,214,811	100.00	6.53	21.29	21.29	10.55	7.26	8.27	8,59	8.16	04/01/2004
Policy Index			5.63	19.11	19.11	9.27	6.83	7.97	8.16	6.46	
Domestic Equity	6,194,267	32.24	8.69	28.17	28.47	14.38	10.51	13.42	13,36	9.28	04/01/2001
Russell 3000			9.10	31.02	31.02	14.57	11.24	14.38	13.42	9.20	
Delaware - Domestic LCV	1,992,896	10.37	6.74	20.76	20.76	10.80	9.48	13.50	13.64	9.61	04/01/2004
Russell 1000 VI.			7.41	26,54	26.54	9.68	8.29	12.20	11.80	8.09	
Vanguard Index Fund - LCV	296,702	1.54	8.01	24.69	24.69	N/A	N/A	N/A	N/A	9.32	12/01/2017
CRSP Lg VL			8.25	25.85	25.85	N/A	N/A	N/A	N/A	9.50	
Polen - Large Cap Growth	1,776,885	9.25	10.47	38.89	38.89	N/A	N/A	N/A	N/A	24.55	04/01/2018
Russell 1000 Gr			10.62	36.39	36.39	N/A	N/A	N/A	N/A	17.33	
Vanguard Index Fund - LCG	534,506	2.78	9.86	36.70	36.70	N/A	N/A	N/A	N/A	15.14	12/01/2017
CRSP Lg Cap Gr			9.91	37.31	37.31	N/A	N/A	N/A	N/A	14.94	
Kayne Anderson - SMID Core	1,593,278	8.29	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.72	11/01/2019
Russell 2500			N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.50	
International Equity	6,381,138	33.21	10.21	28.74	28.74	13.55	7.20	7.02	6.21	6.58	04/01/2001
MSCI AC World ex US Net			8.92	21.51	21.51	9.87	5.51	5,44	4.97	5.95	
Delaware - International Value	1,918,989	9.99	9.19	20.30	20.30	9.53	6.15	7.45	6.05	6.48	04/01/2004
MSCI EAFE VL Net			7.82	16.09	16.09	6.31	3.54	4.76	3.98	4.72	
WCM - International Growth	1,980,229	10.31	10.48	39.80	39.80	20.75	N/A	N/A	N/A	16.22	10/01/2016
MSCI AC World ex US Net			8.92	21.51	21.51	9 87	N/A	N/A	N/A	8.64	
Victory Trivalent - Intl SMID	1,043,235	5.43	9.81	27.67	27.67	N/A	N/A	N/A	N/A	0.59	06/01/2018
MSCI ACWI x USA SMID Net			10.28	22.36	22.36	N/A	N/A	N/A	N/A	1.17	

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# Waxahachie Firemen's Relief & Retirement Fund Asset Allocation & Time Weighted Performance

as of December 31, 2019

	Alloca	tion				Po	rformance(%	•)			
	Market Value (\$)	%	Current Quarter	YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
Driehaus - EM	1,438,685	7.49	11.52	25.55	25.55	N/A	N/A	N/A	N/A	5.13	06/01/2018
MSCI EM Net			11-84	18.42	18.42	N/A	N/A	N/A	N/A	2.43	
Fixed Income	6,553,960	34.11	1.00	9.64	9.64	5.61	4.27	3.46	4.53	4.48	01/01/2004
Barclays Aggregate			0.18	8.72	8.72	4.03	3.05	2.72	3.75	4.05	
Federated Investors - Fixed Income	2,257,379	11.75	0.69	10.14	10.14	4.81	3.86	3.42	N/A	3.83	11/01/2010
Barclays Aggregate			0.18	8.72	8.72	4.03	3.05	2.72	N/A	3.19	
Blackstone - BREIF II	2,156,679	11.22	0.70	11.04	11.04	7.94	6.42	N/A	N/A	5.62	07/01/2014
Barclays Aggregate			0.18	8.72	8.72	4.03	3.05	N/A	N/A	3.13	
Blackrock - Strategic Income	2,139,902	11.14	1.59	7.61	7.61	3.93	N/A	N/A	N/A	4.33	03/01/2016
Barclays Aggregate			0.18	8.72	8.72	4.03	N/A	N/A	N/A	3.28	

## Waxahachie Firemen's Relief & Retirement Fund Asset Allocation & Net Dollar Weighted Performance (IRR)

as of December 31, 2019

	%	Current Quarter	Fiscal YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
Total Fund	LOOK, DO	6.47	20.16	20.16	9.44	6.14	7.04	7.32	7.05	03/31/2004
Domestic Equity	32.24	8.13	26.96	26.96	13,10	8,77	12,29	12.04	8.24	03/31/2004
Polen - Large Cap Growth	9.25	10.25	37.73	37.73	N/A	N/A	N/A	N/A	22.80	03/31/2018
Vanguard Index Fund - LCG	2.78	9.70	36.60	36.60	N/A	N/A	N/A	N/A	14.23	11/30/2017
Vanguard Index Fund - LCV	1.54	8.22	24.79	24.79	N/A	N/A	N/A	N/A	9.70	11/30/2017
Delaware - Domestic LCV	10.37	6.52	19.58	19.58	9.76	7.91	13.00	12.77	8.93	03/31/2004
Kayne Anderson - SMID Core	8.29	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.54	10/31/2019
International Equity	33.21	9.97	27.29	27.29	11.50	6.23	5.97	5.70	5.61	03/31/2004
Delaware - International Value	9.99	8.95	19.02	19.02	8.34	5.05	6.22	4.65	4.83	03/31/2004
WCM - International Growth	10.31	10.12	38.29	38.29	18.87	N/A	N/A	N/A	14.32	09/30/2016
Victory Trivalent - Intl SMID	5.43	9.66	26.52	26.52	N/A	N/A	N/A	N/A	1.77	05/31/2018
Drichaus - EM	7.49	11.36	24.82	24.82	N/A	N/A	N/A	N/A	5.15	05/31/2018
Fixed Income	34.11	0.82	8.79	8.79	4.84	3,54	2.79	3.49	6.47	03/31/2004
Federated Investors - Fixed Income	11.75	0.48	9.12	9.12	4.06	3.11	2.37	N/A	3.03	10/31/2010
Blackstone - BREIF II	11.22	0.56	10.32	10.32	7.21	5.70	N/A	N/A	4.92	07/01/2014
Blackrock - Strategic Income	11.14	1.45	6.91	6.91	3.25	N/A	N/A	N/A	3.59	02/29/2016



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Delaware - Domestic LCV - Executive Summary

as of December 31, 2019

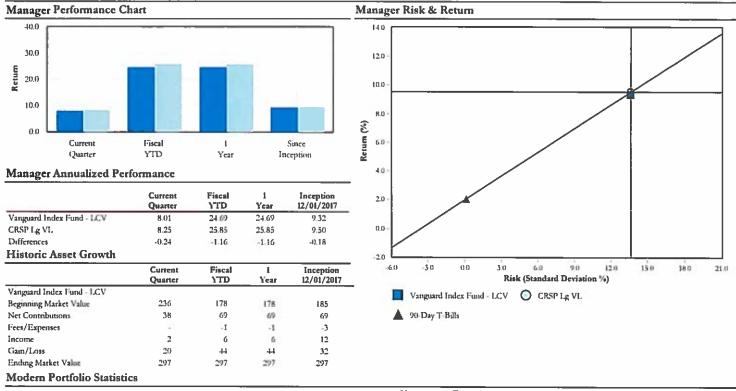
#### Manager Performance Chart Manager Risk & Return 40.0 14.0 30.0 12.0 Return 20.0 10.0 10.0 8.0 Return (%) 6.0 0.0 Current Fiscal 5 Since YID Year Years Years Inception 4.0 Manager Annualized Performance 2.0 1 3 5 7 10 Inception Year Years Years Years 94/01/2004 Quarter YTD 0.0 Delaware - Domestic LCV 6.74 20.76 20.76 10.80 9.48 13.50 13.64 9.61 Russell 1000 VL 7.41 26.54 26.54 9.68 8.29 12.20 11.80 8.09 -20 Differences -0.67 -5.78 -5.78 1.12 1.19 1.30 1.52 1.84 Historic Asset Growth 4.0 9,0 120 18.0 21.0 Current Quarter Fiscal YTD 5 10 Inception 04/01/2004 Year Years Years Years Risk (Standard Deviation %) Delaware - Domestic LCV Delaware - Domestic LCV Russell 1000 VL Beginning Market Value 1,871 1,660 1,660 2,176 2,189 1,676 1,247 748 Net Contributions 10 10 -729 -994 -1,258 -1,343 -995 ▲ 90-Day T-Bills Fees/Expenses 4 -19 -19 -66 -115 -159 -211 -281 Income 13 48 48 146 256 354 480 669 Gam/Loss 113 295 295 466 657 1,851 1.381 1.821 Ending Maker Value 1,993 1,993 1,793 1,993 1,993 1,993 1,993 1,993 **Modern Portfolio Statistics**

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Market Capture	Down Market Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Delaware - Domestic LCV	9.61	12.55	0.84	-47.59	94.65	83.21	2,59	0.69	0.91	04/01/2004
Russell 1000 VL	8.09	14/13	1.00	-55.56	100.00	100.00	0.00	0.53	1,00	04/01/2004

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Vanguard - Large Cap Value - Executive Summary

as of December 31, 2019



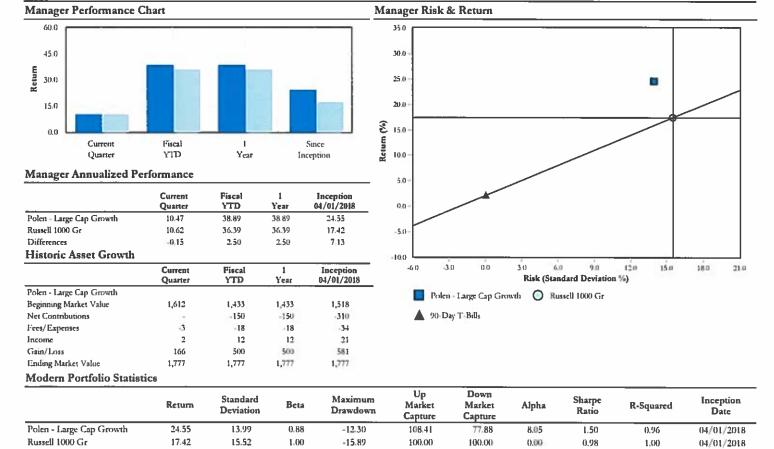
	Return	Standard Deviation	Beta	Maximum Drawdown	Up Market Capture	Down Market Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Vanguard Index Fund - LCV	9.32	13.62	1.00	-10.82	100.10	101.34	-0.15	0.58	1,00	12/01/2017
CRSP Lg VL	9.50	13.63	1.00	-10.91	100.00	100.00	0.00	0.59	1.00	12/01/2017

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Graystone Consulting<sup>\*\*</sup>

Polen - Large Cap Growth - Executive Summary

as of December 31, 2019



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# Waxahachie Firemen's Relief & Retirement Fund Vanguard - Large Cap Growth - Executive Summary

as of December 31, 2019

#### Manager Performance Chart Manager Risk & Return 60.0 21.0 45.0 18.0 Return 30.0 15.0 120 15.0 Return (%) 9.0 0.0 Current Fiscal Since -1 Year 6.0 Inception Quarter Manager Annualized Performance 3.0 Inception 12/01/2017 Current Fiscal Quarter YTD Year 0.0 Vanguard Index Fund - LCG 9.86 36.70 36.70 15:14 CRSP Lg Cap Gr 9.91 37.31 37.31 14.96 3.0 Differences -0.05-0.61 -0.61 0.18 Historic Asset Growth -60 -30 0.0 3.0 6.0 9.0 120 -61) 15.0 180 Current Fiscal Inception 21.0 240 Risk (Standard Deviation %) Year 12/01/2017 Quarter YTD Vanguard Index Fund - LCG Vanguard Index Fund - LCG CRSP Lg Cap Gr Beginning Market Value 487 433 433 463 Net Contributions ▲ 90-Day T-Bills -47 -47 -68 -1 Fees/Expenses -6 -1 -3 -3 13 Income 1 5 5 Gain/Loss 46 146 146 134 Ending Market Value 535 535 535 535 **Modern Portfolio Statistics**

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Market Capture	Down Market Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Vanguard Index Fund - LCG	15.14	15.12	0.99	-16.00	100.35	99.77	0.28	0.88	1.00	12/01/2017
CRSP Lg Cap Gr	14.96	15.24	1.00	-16.32	100.00	100.00	0.00	0.87	1,00	12/01/2017

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### Waxahachie Firemen's Relief & Retirement Fund Kayne Anderson - SMID Cap Core - Executive Summary as of December 31, 2019

#### Manager Performance Chart Manager Risk & Return 12.0 10.0 9.0 5.0 Return 6.0 6.0 3.0 Return (%) 0.0Since Manager Annualized Performance 0.0 Since Inception Inception Date Kayne Anderson - SMID Core 6.72 11/01/2019 -2.0 Russell 2500 6.50 Differences 0.22 Historic Asset Growth -0.9 1.5 2.1 24 1.8 Since Inception Date Risk (Standard Deviation %) Inception Kayne Anderson - SMID Core 11/01/2019 Kayne Anderson SMID Core Russell 2500 1,494 Beginning Market Value ▲ 90-Day T-Bills Net Contributions 2 Fees/Expenses -3 Income 3 Gain/Loss 97 Ending Market Value 1,593 **Modern Portfolio Statistics**

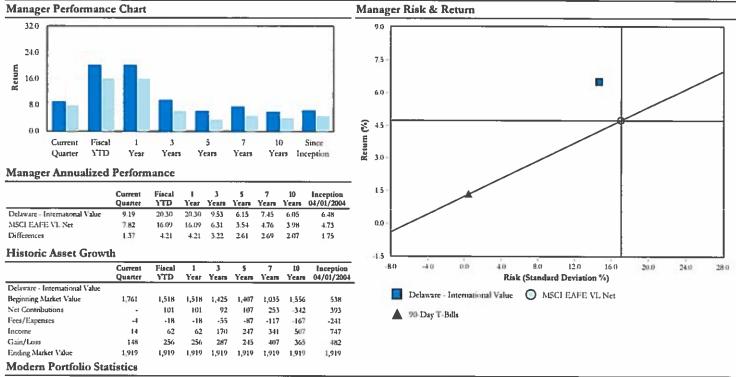
	Return	Standard Deviation	Beta	Maximum Drawdown	Up Market Capture	Down Market Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Kayne Anderson - SMID Core	6.72	1.55	1.43	0.00	103.57	N/A	-1.25	2.05	1.00	11/01/2019
Russell 2500	6.50	1.09	1.00	0.00	100.00	N/A	0.00	2.82	1.00	11/01/2019

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Graystone Consulting<sup>111</sup>

Delaware - International Value - Executive Summary

as of December 31, 2019



	Return	Standard Deviation	Beta	Maximum Drawdown	Up Market Capture	Down Market Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Delaware - International Value	6.48	14.69	0.82	-50.09	88.13	78.06	2.41	0.41	0.91	04/01/2004
MSCI EAFE VL Net	4.73	17.12	1.00	-58.93	100,00	100.00	0.00	0.28	1.00	04/01/2004

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#### Waxahachie Firemen's Relief & Retirement Fund WCM - International Growth - Executive Summary

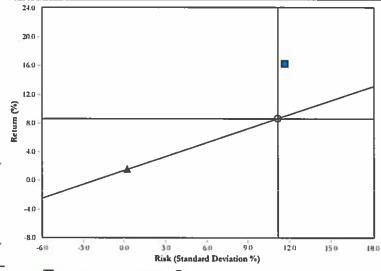
as of December 31, 2019

#### Manager Performance Chart 60.0 45.0 Return 30.0 15.0 0.0 Fiscal Current 3 Strice Year Years Inception Quarter Manager Annualized Performance

	Current Quarter	Fiscal YTD	1 Year	3 Years	Inception 10/01/2016
WCM - International Growth	10.48	39.80	39.80	20.75	16.22
MSCI AC World ex US Net	8.92	21.51	21.51	9.87	8.65
Differences	1.56	18.29	18.29	10.88	7.57
Historic Asset Growth					

	Current	Fiscal	1	3	Inception
	Quarter	YTD	Year	Years	10/01/2016
WCM - International Growth					
Beginning Market Value	1,798	1,560	1,560	1,341	1,454
Net Contributions		-150	-150	-249	-248
Fees/Expenses	-6	-24	-24	-72	-77
Income	4	22	22	87	90
Gam/Loss	183	573	573	873	762
Ending Market Value	1,980	1,980	1,980	1,980	1,980
3.6 E B - 6 D - 0 - 1					

#### Manager Risk & Return



WCM - International Growth	0	MSCI AC World ex US Net
00 DT B.H.		

#### **Modern Portfolio Statistics**

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Market Capture	Down Market Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
WCM - International Growth	16.22	11.70	0.87	-12.80	108.86	58.26	8.32	1.22	0.69	10/01/2016
MSCI AC World ex US Net	8.65	11.16	1.00	-18.72	100.00	100.00	0.00	0.66	1.00	10/01/2016

The prices, quotes, or statistics contained herein have been obtained from sources believed to be reliable, however, its accuracy cannot be guaranteed. Past performance is not a guarantee of future results.

# Waxahachie Firemen's Relief & Retirement Fund Victory Trivalent - International SMID Cap Core - Executive Summary

as of December 31, 2019

#### Manager Performance Chart Manager Risk & Return 45.0 28 24 30.0 20 15.0 1.6 Return (%) 0.0 1.2 Current Fiscal Since Year Quarter Inception 0.8 Manager Annualized Performance Current Fiscal L Inception 0.4 06/01/2018 Year YTD Quarter Victory Trivalent - Intl SMID 9.81 27.67 27.67 0.59 MSCI ACWI x USA SMID Net 0.0 10.28 22.36 22.36 1.17 Differences -0.475.31 5.31 -0.58 Historic Asset Growth -0.4 Current Inception -6.0 -30 0.0 60 9.0 12.0 15.0 18.0 21.0 240 Fiscal 1 Risk (Standard Deviation %) Quarter Year 06/01/2018 Victory Trivalent - Intl SMID Victory Trivalent - Intl SMID MSCI ACWT x USA SMID Net Beginning Market Value 950 755 755 815 Net Contributions ▲ 90-Day T-Bills 76 76 202 1 Fees/Expenses -1 -6 -6 -B Income 19 19 19 44 Gain/Loss 74 199 199 Ending Market Value 1,043 1,043 1,043 1,043 **Modern Portfolio Statistics**

Note in 1 of to a control of the con	Return	Standard Deviation	Beta	Maximum Drawdown	Up Market Capture	Down Market Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Victory Trivalent - Intl SMID	0.59	15.93	1.12	-20.94	103.00	104.79	-0.51	+0.02	0.95	06/01/2018
MSCI ACWI x USA SMID Net	1.17	13.81	1.00	-16.75	100.00	100.00	0.00	0.00	1.00	06/01/2018

The prices, quotes, or statistics contained herein have been obtained from sources believed to be reliable, however, its accuracy cannot be guaranteed. Past performance is not a guarantee of future results.

## Waxahachie Firemen's Relief & Retirement Fund **Drichaus - Emerging Markets - Executive Summary** as of December 31, 2019

Manager Performa	nce Chart				Manager	Risk & Retu	ien			
40.0		2,52			6.6					
30.0					6.0 -				200	
E 20.0					5.4 -					
10.0			17		4.8 -				-	
0.0 Current Quarter	YII	) Ye		Since Inception	Жеш 36-					
Manager Annualiz					3.0 -					
	Current Quarter	Fiscal YTD	1 Year	Inception 06/01/2018	2.4 -					
Drichaus - EM	11,52	25.55	25.55	5.13						
MSCI EM Net	11.84	18.42	18.42	2.43	1.8 -					
Differences Historic Asset Gro	40.32 swth	7.13	7.13	2.70	1.2 -					
	Currer		1 Year	Inception 06/01/2018	0.6	1 1	1 1			
Driehaus - EM Beginning Market Value	1,296		1,053	1,222	-6.0	-3.0 0.0	3.0 6.0 Risk (St	9.0 13 andard Deviation	2.0 15.0 18.0 on %)	21.0 24.0
Net Contributions	1		108	112		Driehaus - EM	MSCI EM Ne	t 🛕 90-Day	r T-Bills	
Fees/Expenses	-2		-8	-12	_				,	
Income	15	15	15	61						
Gain/Loss	134		271	56						
Ending Market Value	1,439	1,439	1,439	1,439						
Modern Portfolio	Statistics									
	Return	Standard Deviation	Beta	Maximum Drawdown	Up Market Capture	Down Market Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Drichaus - EM	5.13	13.85	0.85	-14.21	92.28	79.67	2.88	0.27	0.95	06/01/2018

100.00

100.00

0.00

0.09

1.00

The prices, quores, or statistics contained herein have been obtained from sources believed to be reliable, however, its accuracy cannot be guaranteed. Past performance is not a guarantee of future results.

-13.46

1.00

15.96

2.43

Graystone Consulting™

06/01/2018

MSCI EM Net

## Waxahachie Firemen's Relief & Retirement Fund Federated Investors - Fixed Income - Executive Summary as of December 31, 2019

#### **Manager Performance Chart** Manager Risk & Return 16.0 5.6 12.0 4.8 8.0 4.0 4.0 3.2 Return (%) 0.0 24 Current Fiscal 3 5 Since Year Years Years Years Quarter Inception 1.6 Manager Annualized Performance Fiscal Current Inception 0.8 Quarter 11/01/2010 Federated Investors - Fixed Income 10.14 4.81 0.69 10.14 3.86 3.42 3.83 Barclays Aggregate 0.18 8.72 8.72 4.03 3.19 0.0 3.05 2.72 Differences 1.42 1,42 0.78 0.51 0.81 0.70 0.61 Historic Asset Growth -0.8 12 1.6 2.0 -0.8 0.0 24 Current Quarter Fireal YTD 3 Inception 11/01/2010 32 36 4.0 Year Years Years Years Risk (Standard Deviation %) Federated Investors - Fixed Income Federated Investors - Fixed Income Barclays Aggregate Beginning Market Value 2,247 2,021 2,021 1,452 3,425 2,518 Net Contributions 50 50 573 434 -1,529 -908 ▲ 90-Day T-Bills Fees/Expenses -19 -19 -51 -79 -138 -194 Income 14 62 62 147 214 391 605 Gain/Loss 143 143 136 141 108 237 2,257 Ending Market Value 2,257 2,257 2,257 2.257 2,257 2,257 **Modern Portfolio Statistics**

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Market Capture	Down Market Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Federated Investors - Fixed Income	3.83	2.74	0.88	-3.55	102.66	80.43	0.99	1.18	0.87	11/01/2010
Barclays Aggregate	3.19	2.88	1.00	-3.67	100,00	100.00	0.00	0.90	1.00	11/01/2010

The prices, quores, or stansics contained herein have been obtained from sources believed to be reliable, however, its accuracy cannot be guaranteed. Past performance is not a guarantee of future results.

# Waxahachie Firemen's Relief & Retirement Fund Blackrock - Strategic Income - Executive Summary

as of December 31, 2019

#### Manager Performance Chart Manager Risk & Return 16.0 8.0 12.0 7.0 8.0 60 4.0 5.0 Return (%) 0.0 Fiscal Since Year Years Inception Manager Annualized Performance Fiscal Inception 03/01/2016 2.0 Current Quarter YTD Year Years Blackrock - Strategic Income 1.59 7.61 7.61 3.93 4.33 1.0 Barclays Aggregate 0.18 8.72 8.72 4.03 3.28 Differences 1.41 -0.10 -1.11 -1.11 1.05 0.0 Historic Asset Growth Fiscal YTD Inception 03/01/2016 Current 1 3 Quarter -1.0 Year Years 1.8 -1.8 Blackrock - Strategic Income Risk (Standard Deviation %) 2,106 Beginning Market Value 1,917 1,917 1,429 1,319 Net Contributions 88 88 535 587 Blackstone - BREIF II Barclays Aggregate ▲ 90-Day T-Bills Fees/Expenses -3 -13 -13 -35 -42 Income 21 221 72 72 186 Gain/Loss 13 75 25 75 54 Ending Market Value 2,140 2,140 2,140 2,140 2,140 **Modern Portfolio Statistics**

	Return	Standard Deviation	Beta	Maximum Drawdown	Up Market Capture	Down Market Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Blackrock - Strategic Income	4.33	1.65	0.13	-2.01	60.88	-33.59	3.88	1.73	0.06	03/01/2016
Barclays Aggregate	3.28	3.07	1,00	-3.28	100.00	100,00	0.00	0.64	1.00	03/01/2016

The prices, quotes, or statistics contained herein have been obtained from sources believed to be reliable, however, its accuracy cannot be guaranteed. Past performance is not a guarantee of future results.

Graystone Consulting<sup>14</sup>

Blackstone - BREIF II - Executive Summary

15

2,157

214

2,157

214

2,157

433

2,157

as of December 31, 2019

#### Manager Performance Chart Manager Risk & Return 20.0 8.0 15.0 7.0 Return 10.0 60 5.0 5.0 Return (%) 0.0 Current Fiscal Since Quarter YID Year Years Years Inception **Manager Annualized Performance** Inception 07/01/2014 20 Current Fiscal 5 Quarter YTD Years Years Blackstone - BRE1F 11 0.70 11.04 11.04 7.94 6.42 5.62 1.0 Barclays Aggregate 0.18 8.72 8.72 4.03 3.05 3.13 Differences 2.32 3.91 0.52 2.32 3.37 2.49 0.0 **Historic Asset Growth** Inception 07/01/2014 Current 3 0.1 YTD Year Years Quarter Years 2.4 -1.8 Blackstone - BREIFII Risk (Standard Deviation %) Beginning Market Value 2,142 1,942 1,942 1,659 1,459 1,389 Net Contributions Blackstone - BREIF II Barclays Aggregate 13 13 102 196 291 ▲ 90-Day T-Bills Fees/Expenses -37 -13 -61 -3 -13 -63 Income

Modern Portfolio Stat	istics	- 11 - 2								
	Return	Standard Deviation	Beta	Maximum Drawdown	Up Market Capture	Down Market Capture	Alpha	Sharpe Ratio	R-Squared	Inception Date
Blackstone - BREIF II	5.62	4.02	-0.10	-7.20	54.57	-102.76	6.02	1.15	0.01	07/01/2014
Barclays Aggregate	3.13	2.98	1.00	-3.28	100.00	100.00	0.00	0.74	1.00	07/01/2014

The prices, quotes, or statistics contained herein have been obtained from sources believed to be reliable, however, its accuracy cannot be guaranteed. Past performance is not a guarantee of future results.

563

2,157

540

2,157



Gain/Loss

Ending Market Value



## Performance Appendix

Performance Data below is net of fees. Please see the Morgan Stanley Smith Barney LLC Form ADV Part 2 Brochure for advisory accounts and or any applicable brokerage account trade confirmation statements for a full disclosure of the applicable charges, fees and expenses. Your Financial Advisor will provide those documents to you upon request.

Account Name	OTD	YTD	l Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Blackrock - Strategic Income	1.45	6.93	6.93	3.25	••		3.66	03/01/2016
Blackstone - BREIF II	0.55	10 33	10.33	7.24	5.68		4.92	07/01/2014
Delaware - Domestic LCV	6.52	19.49	19.49	9.58	8 24	12.34	8.34	04/01/2004
Delaware - International Value	8 95	19.05	19.05	8.35	5.00	4 86	5.26	04/01/2004
Driehaus - EM	11.36	24 76	24.76	••	-		4.49	06/01/2018
Federated Investors - Fixed Income	0 48	9.18	9.18	3.87	2.93	••	2.90	11/01/2010
Kayne Anderson - SMID Core		**	270	••		••	6.54	11/01/2019
Omnibus Cash Account	0.51	3:27	3.27	2.18	1.34	53,99	32.49	03/01/2004
Polen - Large Cap Growth	10.25	37,31	37.31		**		23.02	04/01/2018
Vanguard Index Fund - LCG	9.70	35.87	35.87	**	••	_	14.41	12/01/2017
Vanguard Index Fund - LCV	7,84	23.90	23,90	_	••		8.61	12/01/2017
Victory Trivalent - Intl SMID	9 66	26.87	26.87	••		••	-0.04	06/01/2018
WCM - International Growth	10.12	37.94	37.94	19.11	••	_	14.62	10/01/2016

All performance above are Time Weighted(TWR) performance

#### 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 inelates 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 suret categories. To analyze each decision is 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 Brawdown: 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 in 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

commerciana 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 "earry."

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 Ratto: 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.



Treyuor 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 of the larger than the production of 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

Performance results are annualized for time periods greater than one year and include all cash and cash equivalents, realized and unrealized capital gains and losses, and dividends, interest and income. The investment results depicted herein represent historical performance. As a result of recent market activity, current performance may vary from the figures shown. Past performance is not a guarantee of future results.

Please see the Morgan Stanley Smith Barney LLC Form ADV Part 2 Brochure for advisory accounts and/or any applicable brokerage account trade confirmation statements for a full disclusure of the applicable charges, fees and expenses. Your Financial Advisor will provide those documents to you upon request.

Benchmark indices and blends included in this material are for informational purposes only, are provided sodely as a comparison tool and may not reflect the underlying composition and/or investment objective(s) associated with the account(s). Indices are unmanaged and not available for direct investment. Index returns do not take into account fees or other charges. Such fees and charges would reduce performance.

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 Aua and C,



respectively, by Moody(s), Ratings of BBB or higher by S&P and Fritch (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.invmetries.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 quantile 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 effect 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 <a href="https://www.morganstanley.com/ADV">www.morganstanley.com/ADV</a> or from your Financial Advisor/Private Wealth Advisor

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#### Money Market Funds

You could lose money in Money Market Funds. Although MMFs classified as government funds (i.e., MMFs that invest 99.5% of total assets in cash and/or securities backed by the U.S government) and retail funds (i.e., MMFs upon to natural person investors only) seek to preserve value at \$1.00 per share, they cannot guarantee they will do so. The price of other MMFs will fluctuate and when you sell shares they may be worth more or less than originally paid. MMFs may impose a fee upon sale or temporarily suspend sales if liquidity falls below required minimums. During suspensions, shares would not be available for purchases, withdrawals, check writing or ATM debits. A MMF investment is not insured or guaranteed by the Federal Deposit Insurance Corporation or other government agency



**BILL TO** 

Waxahachie Firemen's Relief & Retirement

ATTN: Gary Myers

PO Box 1045

Waxahachie, TX 75168

# **Invoice**

INVOICE#	PROJECT						
38527	Actuarial Va	Actuarial Valuation					
DATE	TERMS	DUE DATE					
3/26/2019	Net 20	4/15/2019					

ITEM	DESCRIPTION	QTY	RATE	AMOUNT
Analysis	Completion of actuarial valuation	36.75	200.00	7,350.00
Analysis	GASB No. 68, requested by City	1	1,000.00	1,000.00
	3/11/19: Travel to Waxahachie Board Meeting		255.30	255.30
Please m	ail payment to address below - Attention: Controller. Thank you.  Tax ID 76-0551734	,	Total	\$8,605.30



#### **HELEN R DUVALL CPA, PLLC**

117 Misty Morning League City, TX 77573 (832) 620-0424



**INVOICE** 

Invoice Date:

01/07/2020

Invoice Number:

2020004

**Waxahachie Firemens Relief & Retirement Fund** 

407 Water Street Waxahachie, TX 75165

Summary of Services January - December 2019:

Description

Annual report; schedule investment fees; assist auditor and

actuary

\$ 550.00

Investment accounting: October 2017 - September 2018

1,800.00

**Total Services:** 

\$2,350.00