



Agenda
Village of Arlington Heights
Board of Trustees of the Firefighters Pension Fund
Fire Station #2 Training Room
1150 N. Arlington Heights Rd., 60005
August 8, 2022
9:00 AM

I. CALL TO ORDER

II. ROLL CALL

III. APPROVAL OF MINUTES

- A. Approval of Minutes - May 9, 2022 Regular Meeting

IV. PUBLIC COMMENTS

V. CLOSED SESSION

VI. TREASURER'S REPORT

- A. Financials - June 2022
- B. Annual Police and Firefighters Report for 2022
- C. Actuary Report - Firefighters Pension

VII. PAYMENT OF BILLS

- A. Check Register - June 2022

VIII. REPORTS

- A. Firefighters Pension Investment Fund (FPIF) - May 2022
Arlington Heights Pension Statement

IX. OLD BUSINESS

- A. Annual Medical Evaluation Retired Disabled FF Under Age 50 - Heidi Arndorferer
- B. Retirement Pension of FF William Essling - Update
- C. Disability Pension 3% Increase of Retired FF Victor Tamosaitis - Update
- D. Retired FF Bryan Smith - Medical Evaluation Update
- E. Application of Occupational Disease Disability Pension for Chief Andrew Larson - Update

- F. Pension Conversion for Retired FF John Leligdon - Update

X. NEW BUSINESS

- A. Death of Candace Nering, widow of FF Gerald Nering, on 5/29/22 - Cessation of Benefits
- B. IL Public Pension Advisory Committee - Membership Renewal
- C. Alliant/Mesirow Fiduciary Insurance - Policy Renewal

XI. OTHER BUSINESS

- A. FOIA request for May 9 meeting documents from "With Intelligence" financial company. Request granted and documents sent.
- B. FPIF Trustee Election - October 2022

XII.ADJOURNMENT

Persons with disabilities requiring auxiliary aids or services, such as an American Sign Language interpreter or written materials in accessible formats, should contact Rosangela Maldonado, at 33 S. Arlington Heights Road, Arlington Heights, Illinois 60005, rmaldonado@vah.com or (847)368-5791.



**Board of Trustees of the Firefighters Pension Fund
8/8/2022**

Item: minutes

Department: fire

Approval of Minutes - May 9, 2022 Regular Meeting

ATTACHMENTS:

Description

minutes may 9, 2022

Type

Minutes

**ARLINGTON HEIGHTS
FIREFIGHTERS' PENSION BOARD**

Minutes of the Regular Meeting held on May 9, 2022

Arlington Heights Fire Department Administrative Headquarters
1150 No. Arlington Heights Road – Arlington Heights IL 60004

Members in Attendance: Mark Aleckson
 Tom Kuehne
 Curt Hanselman
 Kert Evans
 Carl Brandon

Others in Attendance: Thomas Radja, Board Attorney (Collins, Radja & Hartwell)
 Adam Sielig, Incoming Elected Trustee
 Melissa Cayer, Public Observer
 Keith Moens, Public Observer

CALL TO ORDER

Mark Aleckson called the meeting to order at 9:05 AM. Roll was called with board members Tom Kuehne, Curt Hanselman, Mark Aleckson, Kert Evans and Carl Brandon.

Also present were Thomas Radja, Board Attorney representing Law Offices of Collins, Radja & Hartwell; FF Adam Sielig (incoming Elected Trustee), and public observers Melissa Cayer and Keith Moens.

APPROVAL OF MINUTES

Minutes from the February 28, 2022 Regular Board Meeting and minutes from Executive Session also on February 28, 2022 were reviewed for approval.

A motion was made and seconded (T. Kuehne/C. Brandon) to approve the minutes from the Regular Board meeting on February 28, 2022. A motion was made and seconded (C. Brandon/K. Evans) to approve the minutes from the Closed Executive Session on February 28, 2022.

Roll was called.

Ayes: M. Aleckson, T. Kuehne, C. Hanselman, K. Evans, C. Brandon

Ayes – 5; Nays - 0.

Motion carried.

PUBLIC COMMENTS

None

CLOSED SESSION

None.

TREASURER'S REPORT / DISBURSEMENTS

Tom Kuehne distributed the Financial Report and the Cash Flow Report ending March 2022.

During the 1st quarter we had a \$7 million dollar loss due to a market adjustment in March. The market in general has not been doing well. It has been a difficult year so far, compared to last year. Expense side we're at 25% and nothing surprising on the Budget side.

Projected Cash Flow

Projection shows we will need to transfer \$1 million from the State consolidated fund into our cash account to pay for upcoming pension funding. This transfer should take place in June.

Motion was made and seconded (T. Kuehne/C. Hanselman) to transfer \$1 million from the Consolidated fund into the Cash fund.

Roll was called.

Ayes: M. Aleckson, T. Kuehne, C. Hanselman, K. Evans, C. Brandon

Ayes – 5; Nays - 0.

Motion carried.

PAYMENT OF BILLS

Next, the Check Register was reviewed and Tom Kuehne asked for approval of check #708 (journal voucher 003) through check #714 (journal voucher 068).

Motion was made and seconded (C. Hanselman/C. Brandon) to approve payments of check #708 (JV 003) through check 714 (JV 068).

Roll was called.

Ayes: M. Aleckson, T. Kuehne, C. Hanselman, K. Evans, C. Brandon

Ayes – 5; Nays - 0.

Motion carried.

Actuary Results

Tom Kuehne briefly discussed the Actuary results. In the past, our pension fund levied a little more than the Actuary side recommended. This year there is an increased assessment for Firefighters lives (based on the mortality table), and the Actuary numbers have likewise increased. At present, we remain within the Actuary results until next year. He will provide more information at the next pension board meeting.

REPORTS

- **Firefighters Pension Investment Fund (FPIF)**

Tom Kuehne covered the current Consolidated fund situation, indicating a down turn due to the current market.

OLD BUSINESS

- **Annual Medical Evaluation Retired Disabled FF Under Age 50 – Heidi Arndorfer**
Attorney Tom Radja issued a subpoena to the physician, Dr. William Bates, requesting medical records in his determination that Heidi Arndorfer continues to be disabled. He has not yet received those records and will follow up on the request.
- **Duty Disability Pension of retired FF William Essling – Execute Decision & Order**
Tom Radja had distributed the Decision & Order document in advance of our meeting, and it was agreed that the document should be executed as written.

Motion was made and seconded (T. Kuehne/C. Brandon) to approve and execute the Decision & Order document, denying line-of-duty disability retirement of FF William Essling.

Roll was called.

Ayes: M. Aleckson, T. Kuehne, C. Hanselman, K. Evans, C. Brandon

Ayes – 5; Nays - 0.

Motion carried.

- **Duty Disability Pension of retired FF William Essling - Update**
Since the last meeting, a lawsuit was filed by William Essling disputing the effective date of his pension. The Village and Pension Board recently filed a motion to dismiss, and Attorney Duda has 21 days to respond. We're currently awaiting their response.
- **Disability Pension 3 % Increase of Retired FF Victor Tamosaitis – Update**
Since the last meeting retired FF Tamosaitis and his attorney have filed a lawsuit requesting the Court to dismiss the individual board members from this case. Attorney Radja then asked the Court allow more time to respond and we have until May 19 to do so. This case is related to moving his effective date of pension earlier while collecting Workers Compensation, thus considered as being on payroll. Tom Radja will file a response for distribution to the Board.
- **Retired FF Bryan Smith – Medical Evaluation Update**
At the last Court hearing, the Judge requested additional time to take the matter under advisement before issuing a ruling. Tom Radja has not received the Judge's decision and we are still waiting. Currently there is no case law to refer to and it's an important issue as to whether a Board has the authority to request a medical evaluation after being granted disability and over 50 years of age.
- **Application for Occupational Disease Disability for Chief Andrew Larson - Update**
Tom Radja indicated we are processing his application. There were twelve medical advisors and we have received most medical records, but are still awaiting three to submit their records. Once all records are received, we will then coordinate the appropriate physicians to review all the records.
- **Annual Confirmation Form by Retired FF Harold Calvert- Update**
The correct annual retiree form from Harold Calvert has been received and placed in our files.

NEW BUSINESS

- **Certify Trustee Election Results**
Due to the ending term of Trustee Kert Evans, an election was held of the Active Firefighters to elect a Trustee for a 3-year term beginning May 1, 2022. On April 29, the Village Clerk (Becky

Hume) along with Lt. Schubert, FF Dobbins, and FF Roden canvassed the results. A total of 70 ballots were received, five of which were after the deadline and thus disqualified. Votes were 41 for Adam Sielig, 4 for Albert Zloza, 19 for Brad Lindgren, and 1 for retiree FF Heidi Arndorfer. Based on the votes received, it was unofficially certified that FF Adam Sielig has been elected as Trustee.

Motion was made and seconded (M. Aleckson/C. Brandon) to certify the election results with Adam Sielig elected as Trustee for the Board.

Roll was called.

Ayes: M. Aleckson, T. Kuehne, C. Hanselman, K. Evans, C. Brandon

Ayes – 5; Nays - 0.

Motion carried.

The Board expressed gratitude to Kert Evans for his years of participation on the Board and also congratulated Adam Sielig on his election victory.

- **Trustee Board Nominations**

Nomination of Board positions were considered.

Motion was made and seconded (T. Kuehne/C. Brandon) to nominate Mark Aleckson as Board President and Adam Sielig is Board Secretary.

Roll was called.

Ayes: M. Aleckson, T. Kuehne, C. Hanselman, K. Evans, C. Brandon

5 Ayes – 5; Nays - 0.

Motion carried.

- **Application for Retirement – FF Peter Newman on March 18, 2022**

FF Peter Newman submitted an application for regular pension retirement effective March 18, 2022. He was previously married and divorced, at which time he agreed to a QUILDRO document.

The pension calculation sheet indicates Peter Newman's annual pension at \$62,479.66, resulting in a monthly pension of \$5,206.64. The actual payouts are \$4,779.06 to retired FF Peter Newman and a QUILDRO payout of \$427.56 monthly, with the first pension payment adjusted accordingly.

Motion was made and seconded (K. Evans/C. Brandon) to approve the pension application of FF Peter Newman and the monthly pension calculation of \$5,206.64, (with payouts of \$4,779.06 to retiree Peter Newman and QUILDRO payout of \$427.56) effective March 18, 2022.

Roll was called.

Ayes: M. Aleckson, T. Kuehne, C. Hanselman, K. Evans, C. Brandon

5 Ayes – 5; Nays - 0.

Motion carried.

- **Application for Membership – Jonathan Cvetan hired March 28, 2022**
- **Application for Membership – Brent Chubb hired April 18, 2022**

All required forms and documents were received from the two newly hired firefighter applicants, Jonathan Cvetan and Brent Chubb.

Motion was made and seconded (M. Aleckson/K. Evans) to accept the applications for membership from firefighters Jonathan Cvetan hired March 28, 2022, and Brent Chubb hired April 18, 2022, as members of the Arlington Heights Firefighters' Pension Fund

Roll was called.

Ayes: M. Aleckson, T. Kuehne, C. Hanselman, K. Evans, C. Brandon

5 Ayes – 5; Nays - 0.

Motion carried.

- **Closed Executive Sessions – Release of Minutes**

It was agreed to keep all Executive Sessions minutes as confidential.

Motion was made and seconded (K. Evans/C. Hanselman) to keep Executive Session meeting minutes as confidential.

Roll was called.

Ayes: M. Aleckson, T. Kuehne, C. Hanselman, K. Evans, C. Brandon

5 Ayes – 5; Nays - 0.

Motion carried.

- **Possible Pension Conversion – Retired FF John Leligdon**

Retiree FF John Leligdon, now age 84, was originally granted disability pension and is now inquiring whether it is feasible to convert to a regular pension. Carl Brandon pointed out that a firefighter cannot work past age 65, so it doesn't seem reasonable that he can convert after so many years have passed.

Tom Radja advised that the Statute permits conversion from a disability to a regular pension as long as all requisites are reached – appropriate age, combined 20 years of service, and salary attached to rank. Upon retirement, he was a Captain and that rank no longer exists. When converting to a regular pension it then becomes taxable. so the question is whether it would be beneficial to him at this after so many years. Tom Radja will send a letter to the Department of Insurance for their determination.

- **2022 Annual Medical Evaluation of Disabled Under Age 50 FF Gregory O'Rourke – Evaluation Results and Physician's Invoice**

We received the detailed medical examination results from Dr. Petrucci indicating retired FF O'Rourke continues to be disabled. We also received the physician's invoice of \$2,400.

Motion was made and seconded (K. Evans/M. Aleckson) to approve the continuation of disability for retired FF Gregory O'Rourke, and process payment of Petrucci Orthopedics invoice of \$2,400.

Roll was called.

Ayes: M. Aleckson, T. Kuehne, C. Hanselman, K. Evans, C. Brandon

5 Ayes – 5; Nays - 0.

Motion carried.

OTHER BUSINESS

Mark Aleckson discussed the FPIF Consolidated investment fund report as to whether it needs to be posted onto the Village website, in addition to the Arlington Heights FF Pension fund summary. It was agreed that having the summary for Arlington Heights pension would be sufficient. The monthly IL Consolidated investment report is available for all persons to view on the IFPIF website.

Tom Radja provided a quick update on the lawsuit related to the Illinois pension consolidation. The court met two weeks ago and the judge indicated that he will issue a ruling on May 20 as to whether the consolidation statute is legal or not. The issue being whether the consolidation is diluting the authority of the local pension boards. Tom believes there will be a motion to stay and then an appeal to the Supreme Court.

ADJOURNMENT

As there was no other business to present before the Board, a motion was made and seconded (K. Evans/T. Kuehne) to adjourn the meeting.

Roll was called.

Ayes: M. Aleckson, T. Kuehne, C. Hanselman, K. Evans, C. Brandon

5 Ayes – 5; Nays - 0.

Motion carried.

Meeting adjourned at 10:44 AM.

NEXT REGULAR MEETING – Scheduled for Monday, August 8, 2022 at 9:00 AM

Respectfully submitted,

Laura Potts
Recording Secretary

Adam Sielig
Board Secretary



**Board of Trustees of the Firefighters Pension Fund
8/8/2022**

Item: Treasurer

Department: Fire

Financials - June 2022

ATTACHMENTS:

Description

Financials Q2, 2022

Type

Exhibits

CY 2022 BALANCE SHEET
June 30, 2022
FIREFIGHTERS' PENSION FUND

ASSETS	YTD ACTUAL
Cash and Investments	
Cash and Equivalents	1,770,116
Pension Investments	132,155,048
Illinois Funds	0
	<u>133,925,164</u>
Receivables	
Accrued Interest	254,073
Other	0
Due From Other Funds	0
TOTAL ASSETS	<u>134,179,237</u>
LIABILITIES	
Accounts Payable	0
Deferred Portability Payment	0
Due To Other Funds	0
TOTAL LIABILITIES	<u>0</u>
NET ASSETS	<u>134,179,237</u>

Arlington Heights
Firefighters' Pension Fund
June 2022 Financial Report

June 30, 2022

BUDGET COMPARISON REPORT CALENDAR YEAR 2022
FIREFIGHTERS' PENSION FUND

50% of the Calendar Year

REVENUES	2022 BUDGET	MTD BUDGET	MTD ACTUAL	YTD BUDGET	YTD ACTUAL	UNREALIZED DOLLARS	PERCENT RECEIVED
Interest on Investments	900,000	75,000	25,472	450,000	267,237	632,763	30%
Market Value Adjustments	2,000,000	166,666	324,576	999,996	(14,630,683)	16,630,683	-732%
Dividend Income	900,000	75,000	78,440	450,000	203,266	696,734	23%
Contributions - Participants	1,100,000	91,666	90,778	549,996	532,777	567,223	48%
Contributions - R/E Tax	4,962,000	0	11,294	2,778,700	2,741,021	2,220,979	55%
Portability Payments	0	0	0	0	340	(340)	N/A
Other Income	0	0	0	0	0	0	N/A
TOTAL	<u>9,862,000</u>	<u>408,332</u>	<u>530,559</u>	<u>5,228,692</u>	<u>(10,886,044)</u>	<u>20,748,044</u>	<u>-110%</u>

EXPENDITURES	2022 BUDGET	MTD BUDGET	MTD ACTUAL	YTD BUDGET	YTD ACTUAL	AVAILABLE DOLLARS	PERCENT SPENT
Service Pensions	5,601,800	466,816	475,894	2,800,896	2,882,977	2,718,823	51%
Non-Duty Disability Pensions	32,300	2,691	7,367	16,146	44,201	(11,901)	137%
Duty Disability Pensions	1,389,300	115,775	105,619	694,650	633,712	755,588	46%
Surviving Spouse Pensions	1,147,200	95,600	93,407	573,600	580,923	566,277	51%
Occupational Disease Pensions	257,200	21,433	15,334	128,598	92,004	165,196	36%
Legal Services	25,000	2,083	7,100	12,498	43,371	(18,371)	173%
Investment Manager Services	25,000	2,083	0	12,498	5,000	20,000	20%
Investment Custodian	1,000	83	815	498	6,017	(5,017)	602%
Bank Services	0	0	0	0	0	0	N/A
Examinations	10,000	833	0	4,998	7,200	2,800	72%
Other Services	20,000	1,666	0	9,996	775	19,225	4%
Dues	1,500	125	0	750	0	1,500	0%
Training	2,000	166	0	996	0	2,000	0%
Postage	400	33	0	198	0	400	0%
Publications/Periodicals	500	41	0	246	0	500	0%
Office Supplies & Equip	300	25	0	150	0	300	0%
Pension Refunds	25,000	2,083	0	12,498	0	25,000	0%
Foreign Taxes Paid	0	0	0	0	0	0	N/A
TOTAL	<u>8,538,500</u>	<u>711,536</u>	<u>705,535</u>	<u>4,269,216</u>	<u>4,296,180</u>	<u>4,242,320</u>	<u>50%</u>

REVENUE OVER (UNDER)							
EXPENDITURES	1,323,500	(303,204)	(174,976)	959,476	(15,182,224)	16,505,724	-1147%
BEG. FUND BALANCE	<u>149,361,460</u>				<u>149,361,460</u>		
ENDING FUND BALANCE	<u>150,684,960</u>				<u>134,179,237</u>		

FIRE PENSION ILLINIOS FUNDS
Projected Cash Flow by Month 2022

	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022	Projected July 2022	Projected August 2022	Projected September 2022	Projected October 2022	Projected November 2022	Projected December 2022	Projected 2022 Total
Cash In													
													0
From the US BANK Account		0	0	7,000,000									7,000,000
Interest				2,181	4,747	6,140	3,000	3,000	2,500	2,500	2,500	2,000	28,569
Total In	0	0	0	7,002,181	4,747	6,140	3,000	3,000	2,500	2,500	2,500	2,000	7,028,569
Cash Out													
Transfer to Checking Account				0		2,000,000		1,000,000				1,000,000	4,000,000
Total Out	0	0	0	0	0	2,000,000	0	1,000,000	0	0	0	1,000,000	4,000,000
Change in Cash	0	0	0	7,002,181	4,747	(1,993,860)	3,000	(997,000)	2,500	2,500	2,500	(998,000)	3,028,569
Beg Cash Balance	0	0	0	0	7,002,181	7,006,929	5,013,069	5,016,069	4,019,069	4,021,569	4,024,069	4,026,569	0
Ending Cash Balance	0	0	0	7,002,181	7,006,929	5,013,069	5,016,069	4,019,069	4,021,569	4,024,069	4,026,569	3,028,569	3,028,569



**Board of Trustees of the Firefighters Pension Fund
8/8/2022**

Item: Annual

Department: fire

Annual Police and Firefighters Report for 2022

ATTACHMENTS:

Description	Type
Annual Police & Firefighters Report for 2022	Exhibits

I N T E R

O F F I C E

MEMO

To: Randy Recklaus, Village Manager
From: Tom Kuehne, Finance Director/Treasurer
Date: June 21, 2022
Subject: ANNUAL POLICE AND FIREFIGHTER PENSION REPORTS

In compliance with the Illinois Compiled Statutes outlined in ILCS 5/4-134, the Police and Firefighter Pension Boards are required to provide a report to the Village Board on the financial condition of the respective funds. The attached reports are in addition to the public safety pension information that is already provided in the Village's Annual Comprehensive Financial Report.

The annual pension report to the Village presents selected data from the most recent actuarial report prepared by the independent actuarial firm, MWM Consulting Group as of January 1, 2022. Each report also includes the annual actuarial requirement for the respective 2022 pension levies, which will be accounted for in the Village's budget and financial statements for the 2023 Budget. These reports will also be posted on the Village's website under the Finance Department tab.

To offset some of the volatility in the financial markets the actuarial gain or loss on investments is smoothed over three years. The funded ratio increased for both the Police Pension Fund (84.08% to 87.01%) and the Firefighter's Pension Fund (79.99% to 80.85%). Each fund experienced investment gains for 2021. This year's actuary reports reflected revised mortality tables which extended the lives of the municipal public safety pensioners. This put upward pressure on the annual required contribution (ARC), which was offset somewhat by positive interest earnings in 2021. The proposed 2022 levy for the Firefighter's Pension Fund will match the ARC for this fund. The Police Fund levy for 2022 will show a decrease, but will still be above the ARC, providing a small hedge against a future market downturn. The Police Pension Fund's investment portfolio has historically had a riskier profile that does better during positive markets, and the Firefighter's Pension Fund's more conservative investment structure has done better during market downturns.

No Board action is needed on this memo. It is provided to fulfill the aforementioned statutory provision.

C: Mark Aleckson, President, Firefighter Pension Fund
Petar Milutinovic, President, Police Pension Fund
Mary Juarez, Assistant Finance Director

**ARLINGTON HEIGHTS POLICE PENSION FUND
ANNUAL REPORT TO THE VILLAGE BOARD
FOR THE 2022 LEVY (2023 BUDGET)**

Source: Actuarial Valuation as of January 1, 2022, MWM Consulting Group

Actuarial value of assets	\$173,625,279
Total actuarial liability	(\$199,539,605)
Unfunded actuarial liability*	(\$25,914,326)
Funded ratio	87.01%
Annual actuarial requirement for 2022	<u>\$3,757,141</u>

Village contribution as percent of Police participant payroll	32.00%
Projected employee contributions	\$1,162,810
Employee contribution rate per State Statute	9.91%

Actuarial assumed investment return	6.75%
Actual investment return	17.57%
Assumed investment return for 12 month period ended December 31, 2021	\$10,209,056
Actual Investment return for 12 month period ended December 31, 2021	\$16,365,915
Actuarial investment gain/(loss) smoothed over three years:	
One-third of investment gain/(loss) for 2021	\$5,455,305
One-third of investment gain/(loss) for 2020	\$2,936,249
One-third of investment gain/(loss) for 2019	\$5,759,753
Total smoothed actuarial gain/(loss)	\$14,151,307

Number of active members contributing to the Police Pension Fund	102
Number of inactive members	8
Number of members receiving benefits/expense	119/ \$8,876,971

	<u>Tier 1</u>	<u>Tier 2</u>	<u>Total</u>
Vested Active	47	5	52
Non-Vested Active	1	52	53
Terminated - Inactive	5	3	8
Retirees	95	0	95
Surviving Spouses	16	0	16
<u>Disability Participants</u>	<u>12</u>	<u>0</u>	<u>12</u>
Tot	176	60	236

*The unfunded actuarial liability represents the difference between the actuarial value of pension fund assets less the actuarial liability. To avoid unnecessary market fluctuations, actuarial assets are determined by applying an assumed rate of investment return and smoothing the gains/(losses) of the last three years. The actuarial liability represents the present value of lifetime benefits earned to date of all plan participants, including current Police Officers. The unfunded actuarial liability is amortized over the years remaining through 2040.

To determine the annual required contribution or pension property tax amount for the Village, the normal cost of the Police pension plan is added to the amortized value of the fund's unfunded liability.

Police Pension Fund Report (page 2)

The investment policy of the Police Pension Fund is established in accordance with Illinois State Statutes, 40 ILCS 5/1-113.2-.4, and is available upon request. The attached pie chart depicts the fund's assets at market value as of December 31, 2021, the most recent audited fiscal year-end.

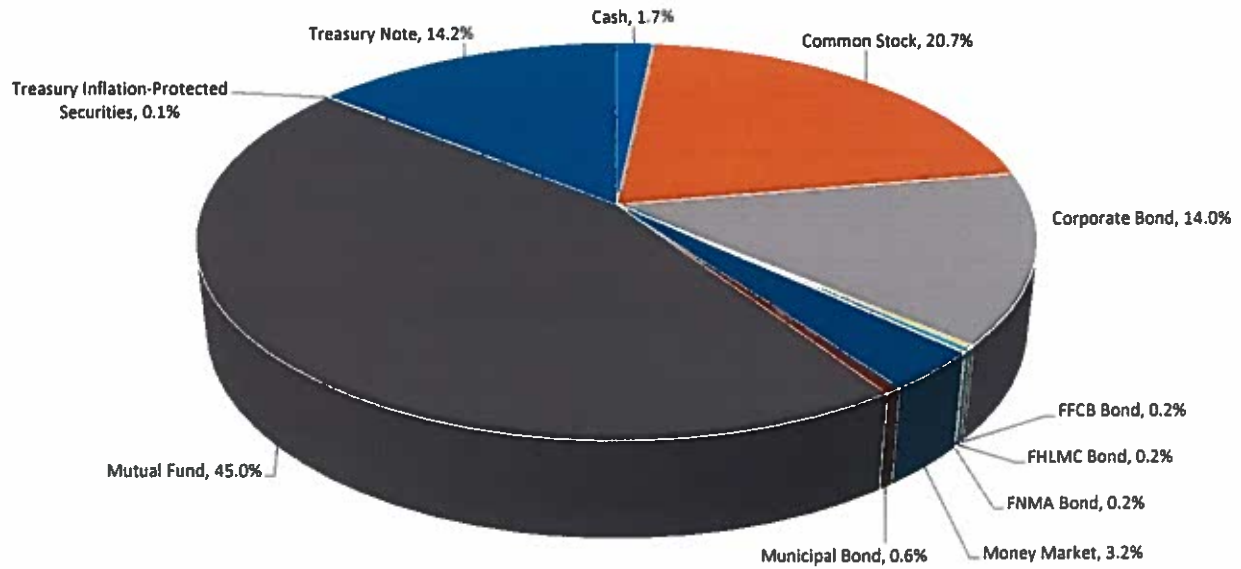
CERTIFICATION:

I, PETAR MILUTINOVIC, President of the Police Pension Board, Village of Arlington Heights, Illinois, do hereby certify that this document is a true and correct copy of: "Required Reporting to Municipality By Pension Board" as outlined in 40 ILCS 5/4-134.

Witness my hand this 21 day of JUNE, 2022.

, President
Arlington Heights Police Pension Board

Police Pension Portfolio Holdings Distribution by Security Type



Security Type	Face Amount/Shares	Cost Value	% of Portfolio	Market Value
Cash	3,105,664.44	3,105,664.44	1.7%	3,105,664.44
Common Stock	510,903.00	27,442,143.94	20.7%	38,430,450.80
Corporate Bond	25,381,480.45	25,797,026.06	14.0%	25,898,064.04
FFCB Bond	370,000.00	370,010.00	0.2%	403,307.40
FHLMC Bond	415,586.98	431,253.94	0.2%	442,462.64
FNMA Bond	275,371.75	282,610.06	0.2%	280,856.69
Money Market	5,951,623.51	5,951,623.51	3.2%	5,951,623.51
Municipal Bond	980,000.00	1,013,458.80	0.6%	1,043,308.80
Mutual Fund	524,767.35	53,173,998.62	45.0%	83,511,242.29
Treasury Inflation-Protected Securities	175,216.00	173,221.62	0.1%	202,605.77
Treasury Note	26,647,000.00	26,493,280.37	14.2%	26,280,900.99
TOTAL / AVERAGE	64,337,613.48	144,234,291.36	100.0%	185,560,487.37

ARLINGTON HEIGHTS FIREFIGHTERS' PENSION FUND **ANNUAL REPORT TO THE VILLAGE BOARD** **FOR THE 2022 LEVY (2023 BUDGET)**

Source: Actuarial Valuation as of January 1, 2022, MWM Consulting Group

Actuarial value of assets	\$145,069,772
Total actuarial liability	(\$179,441,272)
Unfunded actuarial liability*	(\$34,371,500)
Funded actuarial ratio	80.85%
Annual actuarial requirement for 2022	<u>\$5,255,147</u>

Village contribution as percent of Firefighter/Paramedic participant payroll	43.30%
Projected employee contributions	\$1,147,187
Employee contribution rate per State Statute	9.455%

Actuarial assumed investment return	6.75%
Actual investment return	11.52%
Assumed investment return for 12 month period ended December 31, 2021	\$8,786,291
Actual investment return for 12 month period ended December 31, 2021	\$14,996,271
Actuarial investment gain/(loss) smoothed over three years:	

One-third of investment gain/(loss) for 2021	\$2,069,993	
One-third of investment gain/(loss) for 2020	\$1,811,697	
One-third of investment gain/(loss) for 2019	\$3,151,331	
Total smoothed actuarial gain/(loss)		\$7,033,021

Number of active members contributing to the Firefighters' Pension Fund		106
Number of inactive members		3
Number of members receiving benefits/expense	107/	\$7,608,141

	<u>Tier 1</u>	<u>Tier 2</u>	<u>Total</u>
Vested Active	75	4	79
Non-Vested Active	0	27	27
Terminated - Inactive	1	3	4
Retirees	62	0	62
Surviving Spouses	20	0	20
Minor Dependents	2	0	2
Disability Participants	23	0	23
Tot	183	34	217

*The unfunded actuarial liability represents the difference between the actuarial value of pension fund assets less the actuarial liability. To avoid unnecessary market fluctuations, actuarial assets are determined by applying an assumed rate of investment return and smoothing the gains/(losses) of the last three years. The actuarial liability represents the present value of lifetime benefits earned to date of all plan participants, including current Firefighters/Paramedics. The unfunded actuarial liability is amortized over the years remaining through 2040.

To determine the annual required contribution or pension property tax amount for the Village, the normal cost of the Firefighters' pension plan is added to the amortized value of the fund's unfunded liability.

Firefighters' Pension Fund Report (page 2)

The investment policy of the Firefighters' Pension Fund is established in accordance with Illinois State Statutes, 40 ILCS 5/1-113.2-.4, and is available upon request. The attached pie chart depicts the fund's assets at market value as of December 31, 2021, the most recent audited fiscal year-end.

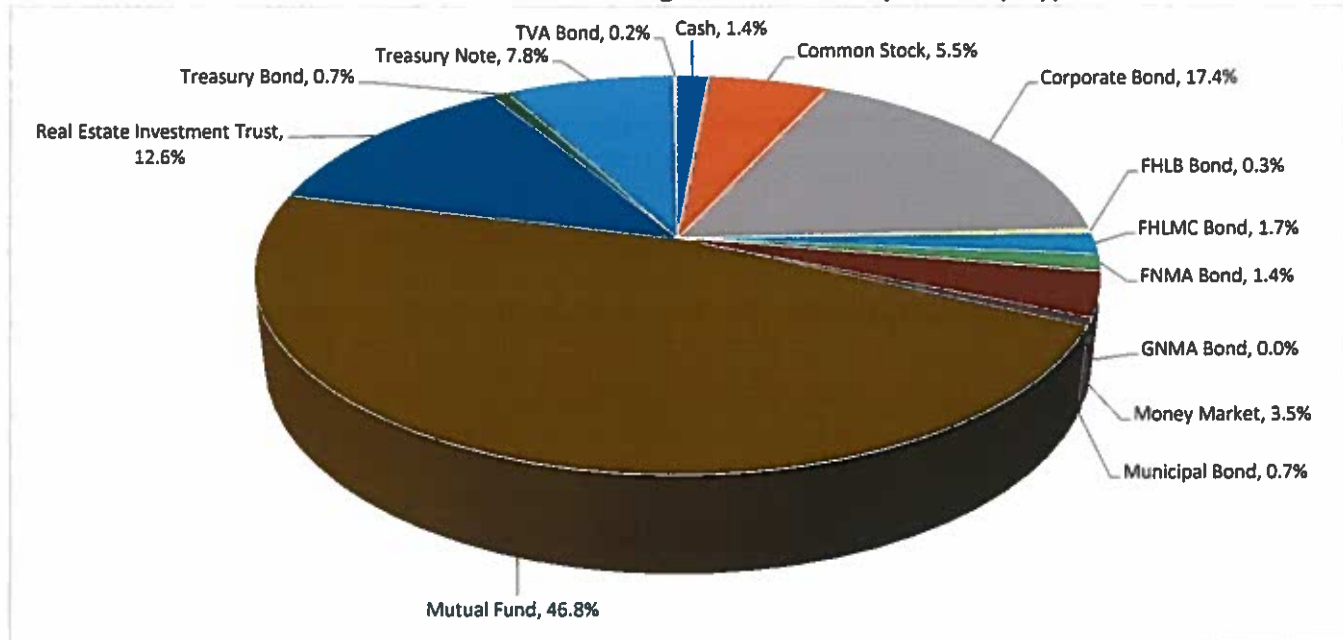
CERTIFICATION:

I, Mark Aleckson, President of the Firefighters' Pension Board, Village of Arlington Heights, Illinois, do hereby certify that this document is a true and correct copy of: "Required Reporting to Municipality By Pension Board" as outlined in 40 ILCS 5/4-134.

Witness my hand this 27 day of June, 2022.

Mimi D. Hall, President
Arlington Heights Firefighters' Pension Board

Fire Pension Portfolio Holdings Distribution by Security Type



Security Type	Face Amount/Shares	Cost Value	% of Portfolio	Market Value
Cash	2,104,137.73	2,104,137.73	1.4%	2,104,137.73
Common Stock	134,967.00	6,441,251.45	5.5%	8,215,780.15
Corporate Bond	24,776,265.05	26,067,685.74	17.4%	25,893,158.62
FHLB Bond	420,000.00	467,419.50	0.3%	469,203.00
FHLMC Bond	2,445,107.44	2,519,074.38	1.7%	2,552,309.19
FNMA Bond	2,162,209.48	2,131,688.60	1.4%	2,126,758.47
GNMA Bond	28,268.93	28,191.32	0.0%	31,173.60
Money Market	5,265,952.87	5,265,952.87	3.5%	5,265,952.87
Municipal Bond	985,000.00	998,173.30	0.7%	998,905.30
Mutual Fund	1,207,619.70	38,615,548.63	46.8%	69,720,117.45
Real Estate Investment Trust	264,316.28	71.08	12.6%	18,788,299.40
Treasury Bond	1,165,000.00	1,121,720.49	0.7%	1,086,455.70
Treasury Note	11,245,000.00	11,439,213.27	7.8%	11,610,584.80
TVA Bond	250,000.00	252,555.00	0.2%	248,552.50
TOTAL / AVERAGE	52,463,844.48	97,452,683.36	100.0%	149,107,388.78



**Board of Trustees of the Firefighters Pension Fund
8/8/2022**

Item: actuary

Department: fire

Actuary Report - Firefighters Pension

ATTACHMENTS:

Description	Type
Actuary Report - Firefighters pension	Exhibits

Actuarial Valuation

*Village of Arlington Heights
Arlington Heights Firefighters' Pension Fund*

*As of January 1, 2022
For the Year Ending December 31, 2022*

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Section 1: Summary of Principal Valuation Results

MWM Consulting Group was retained to prepare an actuarial valuation as of January 1, 2022 for the Arlington Heights Firefighters' Pension Fund. The purpose of the actuarial valuation was to determine the financial position and the annual actuarial requirements of the pension fund under Illinois statute 40 ILCS 5/4, Section 118, and to develop a recommended minimum contribution amount.

For quick reference, some of the key results of the valuation, along with selected financial and demographic information for the year ending December 31, 2022 are summarized in this overview section along with (for comparison) the results from the prior year.

CONTRIBUTIONS <i>The plan sponsor must contribute at least the statutorily required minimum contribution under Illinois statutes equal to the normal cost plus the amount necessary to amortize the unfunded accrued liability such that by 2040, the liabilities will be 90% funded.</i> <i>Other contribution amounts are shown including Funding Policy Contribution and the contribution required to prevent negative funding.</i>	Item	Current Valuation as of 1/1/2022	Prior Year Valuation as of 1/1/2021
	Contribution Required To Prevent Negative Funding	\$5,109,466 (42.1%)	\$4,778,353 (40.3%)
	Actuarially Determined Funding Policy Contribution	\$5,255,147 (43.3%)	\$4,828,817 (40.7%)
	Statutory Minimum Contribution per 40 ILCS 5/4 Section 118	\$4,025,724 (33.2%)	\$3,779,638 (31.9%)
	() amounts expressed as a percentage of payroll		

STATUTORY MINIMUM FUNDING COST ELEMENTS <i>Illinois statutes require employers to contribute at least the amount necessary such that assets will equal at least 90% of the accrued liability by 2040. The minimum amount is determined under the Projected Unit Credit funding method, with smoothed assets, and is equal to the normal cost plus the amortization amount.</i>	Item	Current Valuation as of 1/1/2022	Prior Year Valuation as of 1/1/2021
	Accrued Liability	\$ 179,617,561	\$ 164,720,547
	Market Value of Assets	\$ 149,361,461	\$ 136,198,812
	Actuarial (Smoothed) Value of Assets	\$ 145,069,772	\$ 131,084,082
	Normal Cost (employer)	\$ 2,584,012	\$ 2,359,708
	Amortization Amount	\$ 1,114,619	\$ 1,110,084
	Statutory Minimum Contribution	\$ 4,025,724	\$ 3,779,638

FUNDING POLICY CONTRIBUTION COST ELEMENTS <i>The funding policy contribution amount is determined under the Entry Age Normal funding method, with smoothed assets, and is equal to the normal cost plus the amortization amount. 100% of the unfunded liability is amortized as a level percentage of pay over 19 years on a closed basis.</i>	Item	Current Valuation as of 1/1/2022	Prior Year Valuation as of 1/1/2021
	Accrued Liability	\$ 179,441,272	\$ 163,873,563
	Market Value of Assets	\$ 149,361,461	\$ 136,198,812
	Actuarial (Smoothed) Value of Assets	\$ 145,069,772	\$ 131,084,082
	Normal Cost (employer)	\$ 2,540,473	\$ 2,332,016
	Amortization Amount	\$ 2,309,843	\$ 2,120,613
	Actuarially Determined Funding Policy Contribution	\$ 5,255,147	\$ 4,828,817

FUNDING POLICY CONTRIBUTION AMOUNT REQUIRED TO AVOID NEGATIVE FUNDING <i>The funding policy contribution amortization amount is based upon a percentage of increasing payroll and, in the early years of funding, may not be sufficient to cover the interest cost on the unfunded liability. In order to avoid an increase in the unfunded liability (known as negative funding), the minimum amortization amount must be adjusted to be at least equal to the interest on the unfunded liability. The amount shown in the table as "Contribution to Avoid Negative Funding" provides for interest on 100% of the unfunded liability.</i>	Item	Current Valuation as of 1/1/2022	Prior Year Valuation as of 1/1/2021
	Accrued Liability	\$ 179,441,272	\$ 163,873,563
	Market Value of Assets	\$ 149,361,461	\$ 136,198,812
	Actuarial (Smoothed) Value of Assets	\$ 145,069,772	\$ 131,084,082
	Normal Cost (employer)	\$ 2,540,473	\$ 2,332,016
	Amortization Amount	\$ 2,320,076	\$ 2,213,290
	Amount of Contribution Needed to Avoid Negative Funding	\$ 5,109,466	\$ 4,778,353

FINANCIAL THUMBNAIL RATIOS <i>This chart summarizes traditional financial ratios as applied to the pension plan. This liquidity ratio relates the cash flow position of the Fund by comparing the investment income plus employer and employee contributions to the annual benefit payments. Maintaining a ratio well above 100% prevents the liquidation of assets to cover benefit payments. The increase in benefits paid over the years is generally a result of the maturing of the pension plan.</i> <i>Coverage of the Accrued Liabilities by the Assets is the Coverage Ratio and is one indication of the long term funding progress of the plan.</i>	Tests	1/1/2022 Valuation	1/1/2021 Valuation
	Liquidity Ratio (based upon year ended)	265%	261%
	Coverage Ratio (Market Value Assets)	83.24%	83.11%
	Annual Benefit Payments (expected)	\$ 8,513,453	\$ 8,031,774
	Annual Contributions (expected)		
	Members	\$ 1,147,187	\$ 1,120,525
	Village	\$ 5,255,147	\$ 4,828,817

PLAN MATURITY MEASURES <i>This chart includes financial relationship measures which are meant to help understand the risks associated with the plan.</i> <i>The ratio of Market Value of Assets to Active Payroll is measure of volatility risk associated with asset losses. The higher the ratio, the greater the volatility in contribution risks.</i> <i>The Ratio of Accrued Liability to Payroll is a measure of the volatility risk associated with assumption or other changes in liabilities. The higher the ratio, the greater the volatility in contribution risks.</i> <i>The Ratio of retired life actuarial accrued liability to total actuarial accrued liability is a measure of the maturity of the Plan. A mature plan will have a ratio above 60%.</i> <i>The Support Ratio (Actives: Retirees). A number less than 1 indicates a more mature plan.</i>	Tests	1/1/2022 Valuation	1/1/2021 Valuation
	Ratio of Market Value of Assets to Active Participant Payroll is a measure of volatility risk associated with asset losses	12.31	11.49
	Ratio of Accrued Liability to Payroll is a measure of volatility risk associated with changes in assumptions	14.79	13.84
	Ratio of retired life Actuarial Accrued Liability to total Actuarial Accrued Liability	0.58	0.58
	Percentage of Contributions less Benefit Payments to Market Value of Assets	-1.29%	-1.08%
	Ratio of Benefit Payments to Contributions	1.29	1.21
	Support Ratio: Ratio of Active Participants to Retired Participants	0.95	0.96

PARTICIPANT DATA SUMMARY <i>The Actuarial Valuation takes into account demographic and benefit information for active employees, vested former employees, and retired pensioners and beneficiaries. The statistics for the past two years are compared in the chart.</i>	Item	Current Year Valuation as of 1/1/2022			Prior Year Valuation as of 1/1/2021		
		Tier 1	Tier 2	Total	Tier 1	Tier 2	Total
	Active Members						
	Vested	75	4	79	76	7	83
	Non-Vested	<u>0</u>	<u>27</u>	<u>27</u>	<u>1</u>	<u>22</u>	<u>23</u>
	Total Active	75	31	106	77	29	106
	Terminated entitled to future benefits	1	3	4	1	2	3
	Retired	62	0	62	63	0	63
	Surviving Spouse	20	0	20	17	0	17
	Minor Dependent	2	0	2	2	0	2
	Disabled	<u>23</u>	<u>0</u>	<u>23</u>	<u>25</u>	<u>0</u>	<u>25</u>
	Total	183	34	217	185	31	216

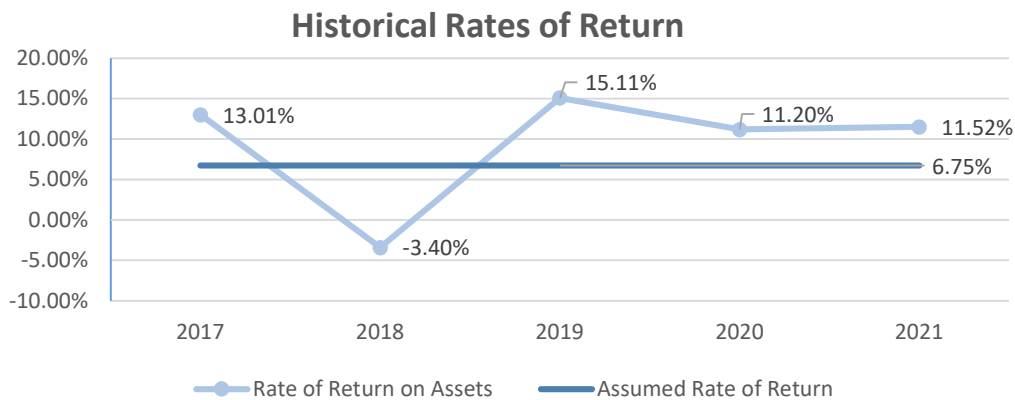
SECTION 2: VALUATION RESULTS

Significant Events, Disclosure Risks and Issues Influencing Valuation Results

Actuarial valuations are snapshot calculations which incorporate and reflect the experience and events of the past year such as changes in the demographics of the plan participants, gains and losses in the plan assets, changes in actuarial assumptions about future experience and outside influences such as legislation. Some of the more significant issues affecting the Plan's contribution level are described here.

Asset Performance for yearend 12/31/2021

The approximate 11.52% return (not time weighted) on net assets was above the actuarial assumption of 6.75% in effect for the 2021 year.



Change in Assumptions

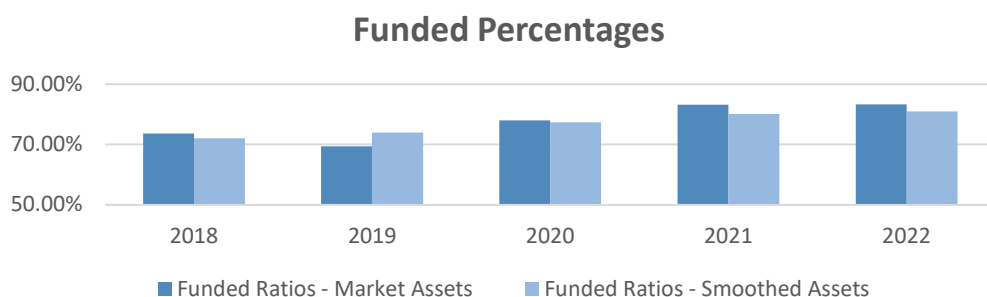
The mortality table was updated from the RP-2014 base rates with blue collar adjustment projected to the valuation date with scale MP2020 to the PubS-2010 base rates projected to the valuation date with scale MP2021.

Funded Status

The funded ratio measurement presented in the Actuarial Valuation Report for the Fund is the ratio of the actuarial value of fund assets available for benefits compared to the actuarial accrued liability. By monitoring changes in the funding ratio each year, one can determine whether or not funding progress is being made. Please understand that:

- The funded ratio measurement is inappropriate for assessing the sufficiency of plan assets to cover the estimated cost of settling the plan's benefit obligations by transferring the obligations to a unrelated third party in an arm's length market value type transaction, such as purchasing annuities from an insurance company.
- The funded ratio measurement is dependent upon the actuarial cost method which, in combination with the plan's amortization policy, affects the timing and amounts of future contributions. The amounts of future contributions will most certainly differ from those assumed in this report due to future actual experience differing from assumed experience based upon the actuarial assumptions. Attainment of a funded status measurement in the Actuarial Valuation of 90% or 100% is not synonymous with no required future annual contributions. Even if the funded status attained is 100%, the plan would still require future normal cost contributions (i.e., contributions to cover the annual cost of the active membership accruing an additional year of service credit).

- The funded ratio measurement is a different result depending upon whether the market value of assets or the actuarial value of assets is used.



Employer Contributions

The employer contribution is expected to be paid according to the Funding Policy, and exceeds the required Statutory Minimum contribution. An additional funding contribution amount is included which determines the amount necessary to prevent negative funding (also known as "treading water" funding). This year, the Funding Policy contribution slightly exceeds the treading water funding contribution. This is because the percentage of payroll amortization (with interest to end of year) that is determined under the Funding Policy exceeds 6.75% of the unfunded liability. That is, the amortization under the Funding Policy covers interest on the unfunded liability and thus helps to reduce the unfunded.

Assuming the Funding Policy contributions are received (and the actuarial assumptions are met) each year through 2040, the Fund's funded ratio is projected to increase to 100% by 2040. If only the Statutory Minimum contributions are made, the Fund's funded ratio would be projected to increase to 90% by 2040.

However, the ability of the fund to reach 100% funding by 2040 is heavily dependent on the Village contributing the Funding Policy employer contribution each and every year until 2040. Actuarial standards do not require the actuary to evaluate the ability of the Village or other contributing entity to make such required contributions to the Fund when due. Such an evaluation is not within the actuary's domain of expertise. Consequently, the actuary performed no such evaluation.

The current Funding Policy amortizes the unfunded amount based upon a level percentage of payroll. This amortization method develops dollar amounts which increase as payroll increases. The dollar amounts towards the end of the closed amortization period are necessarily much larger, and if payroll does not increase as expected, the amortization amount can dramatically increase the contribution as a percentage of payroll.

ACTUARIAL CERTIFICATION

This is to certify that MWM Consulting Group has prepared an Actuarial Valuation of the Plan as of January 1, 2022 for the purposes of determining statutory contribution requirements for the Fund in accordance with the requirements of 40 ILCS 5/4, Section 118, of determining the funding policy contribution amount (the Actuarially Determined Contribution). The funding policy is selected by the Village. The contributions determined are net of contributions made by active members during the year.

The results shown in this report have been calculated under the supervisions of a qualified Actuary as defined in appropriate State statutes. All results are based upon demographic data submitted by the Fund / Village, financial data submitted by the Fund, applications of actuarial assumptions, and generally accepted actuarial methods.

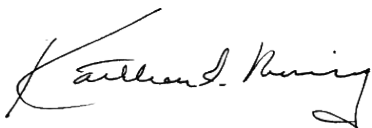
This valuation report has been prepared at the request of Village of Arlington Heights to assist in administering the Plan and meeting specified financial and accounting requirements. This valuation report may not otherwise be copied or reproduced in any form without the consent of the Fund sponsor and may only be provided to other parties in its entirety. The information and valuation results shown in this report are prepared with reliance upon information and data provided to us, which we believe to the best of our knowledge to be complete and accurate and include:

- Employee census data submitted by the Village of Arlington Heights. This data was not audited by us but appears to be consistent with prior information, and sufficient and reliable for purposes of this report.
- Financial data submitted by the Village of Arlington Heights.

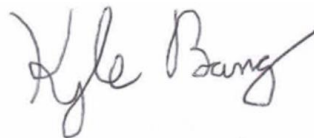
The measurements shown in this actuarial valuation may not be applicable for other purposes. Actuarial valuations involve calculations that require assumptions about future events. Certain of the assumptions or methods are mandated for specific purposes. Future actuarial measurements may differ significantly from the current measurements presented in the report due to such factors as experience that deviates from the assumptions, changes in assumptions, increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period, or additional cost or contributions based on the Plan's funded status) and changes in plan provisions or applicable law. This report does not include an analysis of the potential range of such future measurements.

We believe the assumptions and methods used are within the range of possible assumptions that are reasonable and appropriate for the purposes for which they have been used. In our opinion, all methods, assumptions and calculations are in accordance with requirements and the procedures followed and presentation of results are in conformity with generally accepted actuarial principles and practices. The undersigned actuaries meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein. There is no relationship between the Village of Arlington Heights and MWM Consulting Group that impacts our objectivity. I certify that the results presented in this report are accurate and correct to the best of my knowledge.

MWM CONSULTING GROUP



Kathleen E. Manning, FSA, EA, FCA, MAAA
Managing Principal and Consulting Actuary



Kyle Bang, FSA, EA, FCA, MAAA
Consulting Actuary

4/13/2022

Date

SECTION 3 - FINANCIAL AND ACTUARIAL EXHIBITS

Exhibit 1 - Statement of Market Value of Assets

Item	Plan Year Ending	
	12/31/2021	12/31/2020
1. Investments at Fair Value:		
a. Cash and Cash Equivalents	\$ 3,752,387	\$ 1,865,528
b. Money Market Mutual Funds	0	0
c. Municipal Bonds	0	0
d. Corporate Bonds	0	0
e. US Government and Agency Bonds	0	0
f. Common and Preferred Stocks	3,617,704	3,623,827
g. Illinois Funds Investment Pool:	0	0
h. Pension Investments	141,737,297	130,476,424
i. Accrued Interest and Receivables	254,073	233,033
j. Other	0	0
k. Subtotal Assets (a + b + c + d + e + f + g + h + i + j)	<u>\$ 149,361,461</u>	<u>\$ 136,198,812</u>
2. Liabilities:		
a. Expenses Payable	\$ 0	\$ 0
b. Liability for benefits due and unpaid	0	0
c. Other Liabilities	0	0
d. Total Liabilities	<u>\$ 0</u>	<u>\$ 0</u>
3. Net Market Value of Assets Available for Benefits: (1k – 2d)	\$ 149,361,461	\$ 136,198,812

Exhibit 2 - Statement of Change in Net Assets

Item	Plan Year Ending	
	12/31/2021	12/31/2020
Additions		
Contributions		
Employer	\$ 4,913,000	\$ 5,130,000
Plan Member	1,145,403	1,141,126
Other	<u>94,381</u>	<u>6,208</u>
Total Contributions	\$ 6,152,784	\$ 6,277,334
Investment Income		
Net realized and unrealized appreciation in fair value of investments	\$ 12,551,814	\$ 11,745,221
Interest	2,692,346	2,155,407
Dividends	0	0
Other Income	0	0
Investment Expenses	<u>(247,889)</u>	<u>(216,909)</u>
Net Investment Income	\$ 14,996,271	\$ 13,683,719
Total additions	<u>\$ 21,149,055</u>	<u>\$ 19,961,053</u>
Deductions		
Benefits	\$ 7,913,187	\$ 7,608,141
Refunds	0	9,682
Administrative Expenses	<u>73,219</u>	<u>28,116</u>
Total deductions	<u>\$ 7,986,406</u>	<u>\$ 7,645,939</u>
Total increase (decrease)	<u>\$ 13,162,649</u>	<u>\$ 12,315,114</u>
Net Market Value of Assets Available for Benefits:		
Beginning of year	<u>\$ 136,198,812</u>	<u>\$ 123,883,698</u>
End of year	<u>\$ 149,361,461</u>	<u>\$ 136,198,812</u>

Exhibit 3 – Actuarial Value of Assets

Under 40 ILCS 5/4, the statutory minimum required contribution is to be determined based upon **Actuarial Value of Assets**, which are asset values which have been smoothed over a three-year period, beginning with the year 2011. The **Actuarial Value of Assets** has been calculated below based upon the market value of assets at January 1, 2022 with adjustments for the preceding year's gains/losses, which are reflected at the rate of 33-1/3% per year.

1. Expected Return on Assets	
a. Actuarial Value of Assets as of Beginning of Year	\$ 131,084,082
b. Income and Disbursements During the year	
i. Contributions Received (weighted 50%)	\$ 3,076,392
ii. Benefit Payments and Expenses (weighted 50%)	3,993,203
iii. Weighted net income (other than investment income) (i) – (ii)	(916,811)
c. Actuarial Value adjusted for income and disbursements	\$ 130,167,271
d. Expected Return on Assets at assumed rate of 6.75%	\$ 8,786,291
2. Actual Return on Assets for year	
a. Market Value of Assets (Beginning of Year)	\$ 136,198,812
b. Income (less investment income)	6,152,784
c. Disbursements	7,986,406
d. Market Value of Assets (End of Year)	149,361,461
e. Actual Return on Assets (d) – (a) – (b) + (c)	14,996,271
f. Investment Gain/(Loss) for year 2(e) - 1(d)	\$ 6,209,980
3. Actuarial Value of Assets	
a. Expected Actuarial Value of Assets as of End of Year	\$ 138,036,751
b. Deferred Investment gains/(losses)	
i. 1/3 of 2021 gain of \$6,209,980	2,069,993
ii. 1/3 of 2020 gain of \$5,435,090	1,811,697
iii. 1/3 of 2019 gain of \$9,453,993	3,151,331
iv. Total	7,033,021
c. Actuarial Value of Assets as of December 31, 2021 3(a) + 3(b)(iv)	\$ 145,069,772

The Chart Below shows the comparison of smoothed to market assets over the past five years.

Smoothed vs Market Assets

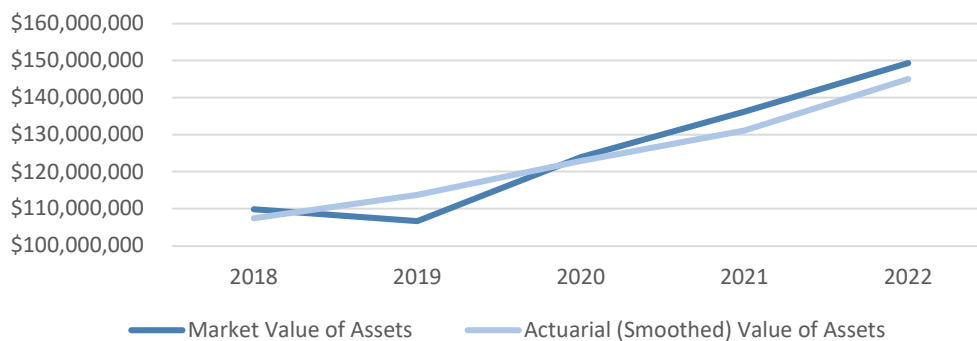


Exhibit 4- Determination of the Statutory Minimum Required Annual Contribution

Under 40 ILCS 5/4, the statutory minimum required contribution is to be determined based upon the Projected Unit Credit actuarial funding method, where the unfunded liability is amortized such that 90% of the liability will be funded as of 2040. Under the statute, 90% of the unfunded liability is to be amortized as a level percentage of payroll over the period through 2040. The mandated funding method, the Projected Unit Credit funding method, requires the annual cost of the plan to be developed in two parts: that attributable to benefits allocated to the current year (the normal cost); and that allocated to benefits attributable to prior service (the accrued liability).

Funding Elements for 40 ILCS 5/4

	Present Value of Benefits as of 1/1/2022	Projected Unit Credit (PUC) Normal Cost as of 1/1/2022	PUC Actuarial Accrued Liability as of 1/1/2022
1. Actives			
a) Normal & Early Retirement	\$ 94,707,400	\$ 3,144,677	\$ 67,894,506
b) Vested Withdrawal	1,990,042	107,599	1,303,789
c) Pre-Retirement Death	923,788	44,770	616,184
d) Disability	<u>9,727,841</u>	<u>434,153</u>	<u>6,503,833</u>
e) Total Actives	\$ 107,349,071	\$ 3,731,199	\$ 76,318,312
2. Inactives and Survivors:			
a) Normal Retirees	\$ 72,062,313		\$ 72,062,313
b) Widows (survivors)	10,704,613		10,704,613
c) Deferred Vested	121,035		121,035
d) Disabled	<u>20,411,288</u>		<u>20,411,288</u>
e) Total - Nonactive	\$ 103,299,249		\$ 103,299,249
3. Total – All	\$ 210,648,320		\$ 179,617,561

Minimum Statutory Contribution under 40 ILCS 5/4

Item	Amount
1. Annual Payroll	\$ 12,133,125
2. Normal Cost (net of employee/member contributions)	2,584,012
3. Employee Contributions (expected)	1,147,187
4. Funding Actuarial Liability	179,617,561
5. 90% of Funding Actuarial Liability	161,655,805
6. Actuarial Value of Assets (Exhibit 3)	145,069,772
7. Unfunded Actuarial Balance	16,586,033
8. Amortization of Unfunded Balance over 19 years as a level percentage of payroll	1,114,619
9. Interest on (2), (3) and (8)	327,093
10. Minimum statutory tax levy contribution per 40 ILCS 5/4 – (2) + (8) + (9)	\$4,025,724 (33.2%)

*() amount as a percent of payroll

Exhibit 5- Determination of the Funding Policy Annual Contribution

The Tax Levy has been based upon the funding policy actuarially determined contribution, rather than the amount determined as the minimum under 40 ILCS 5/4. The funding policy contribution is developed below, based upon the Entry Age Normal Funding Method, with 100% of the unfunded accrued liability amortized as a level percentage of payroll amount over the 19 years through 2040. The contribution is then the sum of the Normal Cost (developed under the entry age method, but where the total normal cost is not less than 17.5% of Annual Payroll) plus the amortization payment.

Funding Elements for Funding Policy Contribution

	Present Value of Benefits as of 1/1/2022	Entry Age Normal Cost as of 1/1/2022	Entry Age Accrued Liability as of 1/1/2022
1. Actives			
a) Normal & Early Retirement	\$ 94,707,400	\$ 2,835,803	\$ 71,150,765
b) Vested Withdrawal	1,990,042	195,989	211,005
c) Pre-Retirement Death	923,788	53,987	405,724
d) Disability	<u>9,727,841</u>	<u>601,881</u>	<u>4,374,529</u>
e) Total Actives	\$ 107,349,071	\$ 3,687,660	\$ 76,142,023
2. Inactives and Survivors:			
a) Normal Retirees	\$ 72,062,313		\$ 72,062,313
b) Widows (survivors)	10,704,613		10,704,613
c) Deferred Vested	121,035		121,035
d) Disabled	<u>20,411,288</u>		<u>20,411,288</u>
e) Total - Nonactive	\$ 103,299,249		\$ 103,299,249
3. Total – All	\$ 210,648,320		\$ 179,441,272

Actuarially Determined Funding Policy Contribution for Tax Levy

Item	Amount
1. Normal Cost (net of employee/member contributions)	\$ 2,540,473
2. Employee Contributions (expected)	1,147,187
3. Funding Actuarial Liability	179,441,272
4. 100% of Funding Actuarial Liability	179,441,272
5. Actuarial Value of Assets (Exhibit 3)	145,069,772
6. Unfunded Actuarial Balance	34,371,500
7. Amortization of Unfunded Balance over 19 years as a level percentage of payroll	2,309,843
8. Interest on (1), (2) and (7)	404,831
9. Actuarially Determined Funding Policy Contribution for Tax Levy (1) + (7) + (8)	\$5,255,147 (43.3%)

Exhibit 6- Contribution Required to Prevent Negative Funding

Item	Amount
1. Normal Cost (net of employee/member contributions)	\$ 2,540,473
2. Employee Contributions (expected)	1,147,187
3. 100% of Funding Actuarial Liability	179,441,272
4. Actuarial Value of Assets (Exhibit 3)	145,069,772
5. Unfunded Actuarial Balance	34,371,500
6. Interest on Unfunded Liability	2,320,076
7. Interest on (1), (2)	248,917
8. Contribution Necessary to Prevent Negative Funding (1) + (6) + (7)	\$5,109,466 (42.1%)

Exhibit 7 – Summary of Participant Data as of January 1, 2022

Participant Data

Item	As of 1/1/2022		
	<u>Tier 1</u>	<u>Tier 2</u>	<u>Total</u>
Active Members			
Vested	75	4	79
Non-Vested	<u>0</u>	<u>27</u>	<u>27</u>
Total Actives	75	31	106
Terminated Members entitled to future benefits	1	3	4
Retired Members	62	0	62
Surviving Spouses	20	0	20
Minor Dependents	2	0	2
Disabled Participants	<u>23</u>	<u>0</u>	<u>23</u>
Total	183	34	217

AGE AND SERVICE DISTRIBUTION AS OF JANUARY 1, 2022

Active Employee Participants

Age Group	Service									Total
	0 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40+	
Under 20										0
20 - 24										0
25 - 29	5									5
30 - 34	5	7	1							13
35 - 39	4	5	7							16
40 - 44		1	9	4						14
45 - 49			3	6	9					18
50 - 54		1	1	2	18	10				32
55 - 59					1	3	1	1		6
60 - 64						1	1			2
65 & Over										0
Total	14	14	21	12	28	14	2	1	0	106

Average Age: 44.7 years

Average Length of Service: 16.3 years

SECTION 4 - SUMMARY OF PRINCIPAL PLAN PROVISIONS

This summary provides a general description of the major eligibility and benefit provisions of the pension fund upon which this valuation has been based. It is not intended to be, nor should it be interpreted as, a complete statement of all provisions

Definitions

Tier 1 – For Firefighters first entering Article 4 prior to January 1, 2011

Tier 2 – For Firefighters first entering Article 4 after December 31, 2010

Firefighter (4-106): Any person employed in the municipality's fire service as a firefighter, fire engineer, marine engineer, fire pilot, bomb technician or scuba diver.

Creditable Service (4-108): Time served by a firefighter, excluding furloughs and leaves of absence in excess of 30 days, but including leaves of absence for illness or accident and periods of disability where no disability pension payments are received and also including up to 3 years during which disability payments have been received provided contributions are made.

Creditable Service from other specified agencies is also included. Combined service credit option is available on a voluntary basis.

Pension (4-109)

Normal Pension Age

Tier 1 - Age 50 with 20 or more years of creditable service.

Tier 2 - Age 55 with 10 or more years of creditable service.

Normal Pension Amount

Tier 1 - 50% of the greater of the annual salary held in the year preceding retirement or the annual salary held on the last day of service, plus 2½% of such annual salary for service from 20 to 30 year (maximum 25%).

Tier 2 - 2½% of Final Average salary for each year of service. Final Average Salary is the highest salary based on the highest consecutive 48 months of the final 60 months of service.

Early Retirement at age 50 with 10 or more years of service but with a penalty of ½% for each month prior to age 55.

Annual Salary capped at \$106,800 increased yearly by the lesser of the Consumer Price Index- Urban (CPI-U) or 3%. The Salary cap for valuations beginning in 2022 is \$130,166.

Minimum Monthly Benefit: \$1,159.27

Maximum Benefit Percentage: 75% of salary

Termination Pension Amount

Any firefighter who retires or is separated from service with at least 10, but less than 20 years of credited service, shall be entitled to a monthly pension commencing at age 60 equal to the monthly rate of compensation based on rank at separation multiplied by the applicable percentage below:

<u>Years of Credited Service</u>	<u>Applicable Percentage</u>
10	15.0%
11	17.6%
12	20.4%
13	23.4%
14	26.6%
15	30.0%
16	33.6%
17	37.4%
18	41.4%
19	45.6%

Pension Increase Non-Disabled

Tier 1 - 3% increase of the original pension amount after attainment of age 55 for each year elapsed since retirement, followed by an additional 3% of the original pension amount on each January 1 thereafter. Effective July 1, 1993, 3% of the amount of pension payable at the time of the increase including increases previously granted, rather than 3% of the originally granted pension amount.

Tier 2 - The lesser of $\frac{1}{2}$ of the Consumer Price Index-Urban (CPI-U) or 3% increase of the original pension amount after attainment of age 60 and an additional such increase of the original pension amount on each January 1 thereafter.

Disabled

3% increase of the original pension amount after attainment of age 60 for each year he or she received pension payments, followed by an additional 3% of the original pension amount on each January 1 thereafter.

Pension to Survivors (4-114)

Death Benefit

Tier 1 - 54% of annual salary based on attained rank at date of separation of service to surviving spouse, plus 12% of such salary to dependent children under 18.

Tier 2 - $66\frac{2}{3}\%$ of pension amount to surviving spouse (or dependent children), subject to the following increase: The lesser of $\frac{1}{2}$ of the Consumer Price Index-Urban (CPI-U) or 3% increase of the original pension amount after attainment of age 60 and an additional such increase of the original pension amount on each January 1 thereafter.

Tier 1 / Tier 2 - Greater of 100% of monthly retirement benefit or 54% of annual salary if completed 20 years of service or on disability retirement.

Tier 1 / Tier 2 - 100% of annual salary if death occurs in the line of duty.

Minimum Survivor Pension

\$1,159.27 per month.

Disability Pension - Line of Duty (4-110)

Eligibility

Suspension or retirement from fire service due to sickness, accident or injury while on duty.

Pension

Greater of 65% of salary attached to rank at date of suspension or retirement and the retirement pension available. Minimum Benefit: \$1,159.27 per month.

Disability Pension - Not on Duty (4-111)

Eligibility

Suspension or retirement from fire service for any cause other than while on duty.

Pension

50% of salary attached to rank at date of suspension or retirement.

Disability Pension - Occupational Disease (4-110.1)

Eligibility

Suspension or retirement from service after 5 years of service from causes of heart disease, cancer, tuberculosis or other lung disease.

Pension

Greater of 65% of salary attached to rank at date of suspension or retirement and the retirement pension available. Minimum Benefit: \$1,159.27 per month.

Other Provisions

Refund (4-116)

At death with no survivors, contributions are returned to estate.

At termination with less than 20 years of service, contributions are refunded upon request.

Contributions by Firefighters (4-118.1)

9.455% of salary including longevity, but excluding overtime pay, holiday pay, bonus pay, merit pay or other cash benefit. Additional 1% of salary if combined service credit option is selected.

Actuarial Accrued Liability

See ***Entry Age Normal Cost Method*** and ***Projected Unit Credit Cost Method***.

Actuarial Assumptions

The economic and demographic predictions used to estimate the present value of the plan's future obligations. They include estimates of investment earnings, salary increases, mortality, withdrawal and other related items. The *Actuarial Assumptions* are used in connection with the *Actuarial Cost Method* to allocate plan costs over the working lifetimes of plan participants.

Actuarial Cost Method

The method used to allocate the projected obligations of the plan over the working lifetimes of the plan participants. Also referred to as an *Actuarial Funding Method*.

Actuarial Funding Method

See *Actuarial Cost Method*

Actuarial Gain (Loss)

The excess of the actual *Unfunded Actuarial Accrued Liability* over the expected *Unfunded Actuarial Accrued Liability* represents an *Actuarial Loss*. If the expected *Unfunded Actuarial Accrued Liability* is greater, an *Actuarial Gain* has occurred.

Actuarial Present Value

The value of an amount or series of amounts payable or receivable at various times, determined as of a given date by the application of a particular set of *Actuarial Assumptions*.

Actuarial Value of Assets

The asset value derived by using the plan's *Asset Valuation Method*.

Asset Valuation Method

A valuation method designed to smooth random fluctuations in asset values. The objective underlying the use of an asset valuation method is to provide for the long-term stability of employer contributions.

Employee Retirement Income Security Act of 1974 (ERISA)

The primary federal legislative act establishing funding, participation, vesting, benefit accrual, reporting, and disclosure standards for pension and welfare plans.

Entry Age Normal Cost Method

One of the standard actuarial funding methods in which the *Present Value of Projected Plan Benefits* of each individual included in the *Actuarial Valuation* is allocated on a level basis over the earnings of the individual between entry age and assumed exit age(s). The portion of this *Actuarial Present Value* allocated to a valuation year is called the *Normal Cost*. The portion of this *Actuarial Present Value* not provided for at a valuation date by the *Actuarial Present Value* of future *Normal Costs* is called the *Actuarial Accrued Liability*.

Normal Cost

The portion of the *Present Value of Projected Plan Benefits* that is allocated to a particular plan year by the *Actuarial Cost Method*. See *Entry Age Normal Cost Method* for a description of the Normal Cost under the *Entry Age Normal Cost Method*. See *Projected Unit Credit Cost Method* for a description of the Normal Cost under the *Projected Unit Credit Cost Method*.

Present Value of Future Normal Costs

The present value of future normal costs determined based on the *Actuarial Cost Method* for the plan. Under the *Entry Age Normal Cost Method*, this amount is equal to the excess of the *Present Value of Projected Plan Benefits* over the sum of the *Actuarial Value of Assets* and *Unfunded Actuarial Accrued Liability*.

Present Value of Projected Plan Benefits

The present value of future plan benefits reflecting projected credited service and salaries. The present value is determined based on the plan's actuarial assumptions.

Projected Unit Credit Cost Method

One of the standard actuarial funding methods in which the *Present Value of Projected Plan Benefits* of each individual included in the *Actuarial Valuation* is allocated by a consistent formula to valuation years. The *Actuarial Present Value* allocated to a valuation year is called the *Normal Cost*. The *Actuarial Present Value* of benefits allocated to all periods prior to a valuation year is called the *Actuarial Accrued Liability*.

Unfunded Actuarial Accrued Liability

The excess of the *Actuarial Accrued Liability* over the *Actuarial Value of Assets*.

SECTION 5 - SUMMARY OF ACTUARIAL ASSUMPTIONS AND COST METHODS

Nature of Actuarial Calculations

The results documented in this report are estimates based on data that may be imperfect and on assumptions about future events, some of which are mandated assumptions. Certain provisions may be approximated or deemed immaterial and therefore are not valued. Assumptions may be made about participant data or other factors. A range of results, different from those presented in this report could be considered reasonable. The numbers are not rounded, but this is for convenience and should not imply precisions, which is not inherent in actuarial calculations.

Actuarial Assumption	Annual Actuarial Valuation Statutory Minimum	Annual Actuarial Valuation Funding Policy Amount for Tax Levy
Interest	6.75% per annum	6.75% per annum
Mortality	PubS-2010 Base Rates Projected to 2022 with Scale MP2021	PubS-2010 Base Rates Projected to 2022 with Scale MP2021
Retirement	Rates of retirement for all ages are:	Rates of retirement for all ages are:
	<u>Tier 1 / Tier 2</u>	<u>Tier 1 / Tier 2</u>
	<u>Age</u>	<u>Age</u>
	50 10.00% 61 25.00%	50 10.00% 61 25.00%
	51 10.00% 62 25.00%	51 10.00% 62 25.00%
	52 12.00% 63 33.00%	52 12.00% 63 33.00%
	53 12.00% 64 33.00%	53 12.00% 64 33.00%
	54 15.00% 65 100%	54 15.00% 65 100%
	55 15.00% 66 100%	55 15.00% 66 100%
	56 20.00% 67 100%	56 20.00% 67 100%
	57 20.00% 68 100%	57 20.00% 68 100%
	58 20.00% 69 100%	58 20.00% 69 100%
	59 20.00% 70 100%	59 20.00% 70 100%
	60 25.00%	60 25.00%
Withdrawal	Rates of termination are based upon age only. Sample rates for selected ages are:	Rates of termination are based upon age only. Sample rates for selected ages are:
	<u>Age</u>	<u>Age</u>
	25 5.80%	25 5.80%
	40 1.10%	40 1.10%
	50 1.00%	50 1.00%
	55 1.00%	55 1.00%
Disability	Rates of disability are based upon age only. Sample rates for selected ages are:	Rates of disability are based upon age only. Sample rates for selected ages are:
	<u>Age</u>	<u>Age</u>
	25 0.02%	25 0.02%
	40 0.42%	40 0.42%
	50 0.90%	50 0.90%
	55 1.24%	55 1.24%
	80% of disabilities are assumed to occur in the line of duty	80% of disabilities are assumed to occur in the line of duty

Actuarial Assumption	Annual Actuarial Valuation Statutory Minimum	Annual Actuarial Valuation Funding Policy Amount for Tax Levy
Salary Increase	Graded by service from 13.25% to ultimate of 4.25%.	Graded by service from 13.25% to ultimate of 4.25%.
Payroll Growth	3.75% per annum	3.75% per annum
Percentage Married	85% are married, females are assumed to be 3 years younger	85% are married, females are assumed to be 3 years younger
Asset Valuation Method	Assets are valued at fair market value and smoothed over three years, reflecting gains and losses at 33-1/3% per year.	Assets are valued at fair market value and smoothed over three years, reflecting gains and losses at 33-1/3% per year.
Actuarial Cost Methods	Projected Unit Credit Cost Method This is the mandated actuarial method to be used in determining the statutory contribution requirements and under PA 096-1495. This method determines the present value of projected benefits and prorates the projected benefit by service to date to determine the accrued liability. Amounts attributable to past service are amortized as a level percentage of pay with the goal of reaching 90% of the accrued liability by 2040.	Entry Age Normal Cost Method This method projects benefits from entry age to retirement age and attributes costs over total service, as a level percentage of pay. Amounts attributable to past service have been amortized over 19 years on a closed basis as a level percentage of pay.

SECTION 6 - TWENTY YEAR CASH FLOW PROJECTION

The information contained in the following charts are estimates only, intended to illustrate patterns of funding and cash flows rather than absolute values. These estimates are based upon the actuarial assumptions and funding methods outlined in the January 1, 2022 actuarial valuation report. The values are illustrated predicated upon a diversified portfolio according to the current investment policy and asset allocations. Any changes in the investment policy or asset allocation may affect the results and nullify the contribution patterns illustrated. Actual experience may differ significantly from that assumed and produce significantly different results than those presented in the charts. Many factors may change which affect results and therefore these projections should not be relied upon as other than estimates depicting trends. The projections are based upon an “open group” methodology which replaces active members expected to leave the group with hypothetical new employees with characteristics as assumed in the new entrant profile.

Fiscal Year	Accrued Liability			Actuarial Value of Assets	Unfunded Liability	Annual Payroll	Employer Contributions	Employer Contribution as a Percent of Payroll	Employee Contributions	Investment Income	Total Revenue	Benefit Payments	Excess of Revenue over Payments
	Current Members	Future New Entrants	Total										
2022	179,441,272	-	179,441,272	145,069,772	34,371,500	12,133,125	5,255,147	43.31%	1,147,187	13,620,758	20,023,092	8,513,453	11,509,639
2023	186,657,291	-	186,657,291	156,579,411	30,077,880	12,562,141	5,014,866	39.92%	1,187,750	12,496,806	18,699,422	8,986,914	9,712,508
2024	193,763,413	127,471	193,890,884	166,291,920	27,598,964	13,049,718	4,888,297	37.46%	1,233,851	10,943,970	17,066,117	9,639,694	7,426,423
2025	200,540,929	400,494	200,941,423	173,718,343	27,223,080	13,570,967	4,945,040	36.44%	1,283,135	11,293,340	17,521,515	10,234,055	7,287,460
2026	207,034,469	854,901	207,889,370	181,005,803	26,883,567	14,180,508	5,007,811	35.31%	1,340,767	11,716,937	18,065,515	10,918,332	7,147,183
2027	213,120,877	1,503,692	214,624,569	188,152,986	26,471,583	14,822,073	5,084,910	34.31%	1,401,427	12,183,202	18,669,539	11,549,432	7,120,107
2028	218,825,513	2,380,656	221,206,169	195,273,093	25,933,076	15,475,959	5,159,138	33.34%	1,463,252	12,653,025	19,275,415	12,202,515	7,072,900
2029	224,095,661	3,493,868	227,589,529	202,345,992	25,243,537	16,067,370	5,218,115	32.48%	1,519,170	13,123,758	19,861,043	12,820,849	7,040,194
2030	228,909,481	4,867,795	233,777,276	209,386,186	24,391,090	16,626,669	5,267,383	31.68%	1,572,052	13,595,310	20,434,744	13,437,557	6,997,187
2031	233,224,204	6,511,982	239,736,186	216,383,374	23,352,812	17,161,614	5,333,056	31.08%	1,622,631	14,067,472	21,023,159	14,042,240	6,980,919
2032	237,042,121	8,440,813	245,482,934	223,364,292	22,118,642	17,694,731	5,399,970	30.52%	1,673,037	14,542,967	21,615,974	14,590,871	7,025,103
2033	240,394,233	10,662,581	251,056,814	230,389,395	20,667,419	18,219,970	5,468,760	30.02%	1,722,698	15,014,230	22,205,689	15,108,798	7,096,891
2034	243,275,899	13,202,922	256,478,821	237,486,286	18,992,535	18,740,177	5,547,650	29.60%	1,771,884	15,493,188	22,812,722	15,639,673	7,173,049
2035	245,658,547	16,077,700	261,736,247	244,659,335	17,076,912	19,242,317	5,615,507	29.18%	1,819,361	15,980,345	23,415,213	16,128,482	7,286,731
2036	247,542,283	19,301,827	266,844,110	251,946,066	14,898,044	19,736,291	5,684,615	28.80%	1,866,066	16,479,778	24,030,459	16,631,251	7,399,208
2037	248,887,177	22,895,836	271,783,013	259,345,274	12,437,739	20,219,373	5,752,118	28.45%	1,911,742	16,991,802	24,655,662	17,102,657	7,553,005
2038	249,694,163	26,889,241	276,583,404	266,898,279	9,685,125	20,718,756	5,816,130	28.07%	1,958,958	17,521,316	25,296,405	17,539,570	7,756,835
2039	249,987,198	31,299,684	281,286,882	274,655,114	6,631,768	21,224,631	5,847,409	27.55%	2,006,789	18,068,508	25,922,706	17,981,749	7,940,957
2040	249,735,117	36,148,779	285,883,896	282,596,071	3,287,825	21,728,460	5,760,474	26.51%	2,054,426	18,633,139	26,448,039	18,415,663	8,032,376
2041	248,925,529	41,458,336	290,383,865	290,628,447	-	22,247,464	2,247,366	10.10%	2,103,498	19,143,021	23,493,885	18,865,724	4,628,161



**Board of Trustees of the Firefighters Pension Fund
8/8/2022**

Item: Check Register - June 2022

Department: fire

Check Register - June 2022

ATTACHMENTS:

Description

check register june 2022

Type

Exhibits

**FIREFIGHTERS' PENSION FUND
CALENDAR YEAR ENDING 12 / 31 / 2022
CHECK REGISTER AND JOURNAL VOUCHER PAYMENTS**

<u>Check Number</u>	<u>JV or Group Number</u>	<u>Date</u>	<u>Payee</u>	<u>Description</u>	<u>Expense</u>	<u>MONTHLY TOTAL</u>
	JV 003	01/31/22	Marquette Associates	Management Fee	5,000.00	
708	JV 003	01/31/22	Collins Radja & Hartwell	Legal Services	9,000.00	
709	JV 003	01/31/22	Petrucci Orthopedics	Medical Exams	2,400.00	
710	JV 003	01/31/22	Collins Radja & Hartwell	Legal Services	2,812.50	
711	JV 003	01/31/22	1099 Pro	1099 Services	112.24	19,324.74
	JV 034	02/28/22	US Bank	Administrative Services	797.49	
712	JV 034	02/28/22	Collins Radja & Hartwell	Legal Services	7,750.00	8,547.49
713	JV 068	03/31/22	Petrucci Orthopedics	Medical Exams	2,400.00	
	JV 068	03/31/22	US Bank	Administrative Services	41.67	
714	JV 068	03/31/22	Collins Radja & Hartwell	Legal Services	8,825.00	11,266.67
715	JV 120	04/30/22	1099 Pro	1099 Services	85.00	
	JV 120	04/30/22	US Bank	Administrative Services	41.67	126.67
	JV 149	05/31/22	US Bank	Administrative Services	41.67	
716	JV 149	05/31/22	Petrucci Orthopedics	Medical Exams	2,400.00	
717	JV 149	05/31/22	Collins Radja & Hartwell	Legal Services	7,306.05	
718	JV 149	05/31/22	Laura Potts	Secretarial Services	577.50	
719	JV 149	05/31/22	Collins Radja & Hartwell	Legal Services	6,570.25	16,895.47
730	JV 208	06/30/22	Collins Radja & Hartwell	Legal Services	7,100.00	7,100.00
					\$ 63,261.04	

*Checks 720 - 729 were voided and sent to JPMorgan Chase for positive pay setup testing.



**Board of Trustees of the Firefighters Pension Fund
8/8/2022**

Item: FPIF

Department: fire

Firefighters Pension Investment Fund (FPIF) - May 2022 Arlington Heights Pension Statement

ATTACHMENTS:

Description

AH Investment Statement

Type

Exhibits

Arlington Heights Firefighters Pension Fund

Statement of Results

Illinois Firefighters Pension Investment Fund

Currency: USD (\$)	May 2022	2022 YTD
Beginning NAVs:		
Beginning NAV	126,720,446.57	-
Contributions	-	141,841,720.25
Withdrawals	-	-
Net Time Weighted Activity	-	-
Allocation Balance	126,720,446.57	-
Allocation Percent	1.84%	-
Income & Expenses:		
Unrealized Gain/Loss	381,270.50	-10,488,337.97
Realized Gain/Loss	-56,694.72	-4,632,499.90
Dividend Income	78,439.61	199,260.84
Interest Income	19,331.85	225,964.17
Other Income	-	-
Total Income	422,347.24	-14,695,612.86
Administrator Expenses	-	-
Other Fee & Expenses	-815.15	-4,128.73
Management Fee	-	-
Performance Fee	-	-
Total Fee & Expenses	-815.15	-4,128.73
Net Income	421,532.09	-14,699,741.59
Ending NAVs:		
Ending NAV	127,141,978.66	127,141,978.66
Rate of Returns:		
Net Return	0.33%	-10.88%
Ownership	1.83%	-

Disclaimer / Important Information:

The Plan Total reflects the total of underlying plan balances, and may not be equal to the sum of displayed columns.

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