

Attached is the agenda packet for the October 7, 2024 Board Meeting. For those of you with Drop Box, the file will be placed in the Drop Box Folder.

**The Village Board meeting will begin at 7:00 PM. All discussions and business will occur at the Village Board meeting. After consideration of the meeting minutes and accounts payable, the meeting will proceed to new and old business.**

Please contact the Mayor if you have any questions or if you wish to attend the meeting electronically.

James McDonald, Mayor  
Mary Konrad, Clerk  
Christine McKinley, Treasurer



Trustees:  
Allena Barbato  
Scott Bartlett  
Glenn McCollum  
Jeff Nielsen  
Tom O'Reilly  
Doug Savell

**AGENDA**  
**VILLAGE OF LAKE VILLA**  
**BOARD OF TRUSTEES – REGULAR MEETING**  
**October 7, 2024**  
**7:00 p.m.**

1. Call to Order and Roll Call
2. Pledge of Allegiance
3. Public Comment
4. Approval of the Minutes – September 16, 2024
5. Accounts Payable – October 7, 2024
6. Mayor
  - a. Lake County Forest Preserves Referendum Presentation
7. Staff Reports
8. New Business
  - a. Approval: Review and Approval of the FY2024 Annual Comprehensive Financial Report
  - b. Discussion: Lauterbach & Amen Actuarial Results for Police Pension Fund
  - c. Ordinance 2024-10-01: An Ordinance Authorizing the Sale of Surplus Personal Property Owned by the Village of Lake Villa
  - d. Resolution 2024-10-01: A Resolution Appointing Certain Officers and/or Employees of the Village as Representatives of the Village of Lake Villa with regard to the Village's membership in Lake Consolidated Emergency Communications ("LakeComm")
  - e. Ordinance 2024-10-02: An Ordinance Approving the Release of an Irrevocable Letter of Credit and Authorizing the Substitution Therefor of a Cash Deposit in a Reduced Amount as a Performance Guarantee (Lake Vista Subdivision)
  - f. Discussion: Building Code Update
9. Old Business
10. Executive Session
11. Adjournment



**DATE:** October 2, 2024  
**TO:** Village Board of Trustees  
**FROM:** Michael Strong  
Village Administrator  
**RE:** Agenda Transmittal

**New Business**

**a. Approval: Review and Approval of the FY2024 Annual Comprehensive Financial Report**

Staff Contact: Christine McKinley, Finance Director

The Annual Financial Report for the fiscal year ended April 30, 2024 is provided for Village Board consideration, a copy of which is included in this packet. Village Staff is requesting that the Village Board discuss and consider accepting the Fiscal Year 2023/24 Financial Audit. The Village's independent audit firm, Eccezion (Formerly Eder, Casella & Company) will be in attendance to present the document and answer questions from the Village Board.

The Village Board is required to review and accept the financial audit on an annual basis.

Suggested Motion: *Motion to Approve the Annual Financial Audit Report for the fiscal year ended April 30, 2024*

**b. Discussion: Lauterbach & Amen Actuarial Results for Police Pension Fund**

Staff Contact: Christine McKinley, Finance Director

Lauterbach & Amen, LLP, the accounting firm responsible for preparing the Police Pension Fund annual financial statements will present the draft FY24/35 Lake Villa Police Pension Fund actuarial valuation for Village Board review. State law requires that the Village Board accept the Police Pension Fund's Report annually, a copy of which is included in the agenda packet.

Annually the Police Pension Board presents the Village Board with a recommended contribution amount under the selected Funding Policy along with an Alternative Contribution. These include the statutory or local pension funding policy contribution amounts that would achieve 90% or 100% funded by 2040.

	Contribution Amount	%Change YTY
Recommended Contribution	\$1,031,560	3.8%
Alternative Contribution	\$862,969	3.55%

Village staff requests direction from the Village Board on a preferred funding contribution that will be used to help determine the FY2025/2026 tax levy. Staff will present an overview of the tax levy during the meeting on November 4, 2024.

**c. Ordinance 2024-10-01: An Ordinance Authorizing the Sale of Surplus Personal Property Owned by the Village of Lake Villa**

Staff Contact: Rochelle Tisinai, Police Chief

The Village Board is requested to discuss and consider whether to recommend approval of an Ordinance disposing of surplus Village property. In reviewing items for disposal, there is one vehicle that has been identified as beyond useful life and deemed appropriate for disposal. This includes a 2015 For Explorer (Police Unit Number 288).

Suggested Motion: *Motion to Approve Ordinance 2024-10-01 Authorizing the Sale of Surplus Personal Property*

**d. Resolution 2024-10-01: A Resolution Appointing Certain Officers and/or Employees of the Village as Representatives of the Village of Lake Villa with regard to the Village’s membership in Lake Consolidated Emergency Communications (“LakeComm”)**

Staff Contact: Michael Strong, Village Administrator

The Village Board is asked to consider approving a Resolution Appointing Certain Officers and/or Employees of the Village as Representatives of the Village of Lake Villa with regard to the Village’s membership in Lake Consolidated Emergency Communications (“LakeComm”).

Village Administrator Michael Strong will now serve as the primary representative and Chief Tisinai will serve as the alternate representative.

Previously, the Village Board approved a resolution (2024-06-03) in which these roles were reversed. With the approval of Resolution 2024-10-01, Resolution 2024-06-03 will be repealed.

Suggested Motion: *Motion to Approve Resolution 2024-10-01 A Resolution Appointing Certain Officers and/or Employees of the Village as Representatives of the Village of Lake Villa with regard to the Village’s membership in Lake Consolidated Emergency Communications (“LakeComm”)*

e. **Ordinance 2024-10-02: An Ordinance Approving the Release of an Irrevocable Letter of Credit and Authorizing the Substitution of a Cash Deposit for the Lake Vista Subdivision**

Staff Contact: Michael Strong, Village Administrator

The Lake Vista development is a single-family residential development that was originally platted in 2005 with 29 single-family residential lots along Lake Vista Court. The development included various public improvements including a public street, stormwater detention, and various landscaping improvements. As part of the original development agreement, the developer was required to provide a letter of credit to guarantee the completion of these public improvements.

In 2019, the Village Board approved a reduction of the letter of credit from \$391,574 to \$153,810 based on the substantial completion of several public improvements at that time. The remaining letter of credit was held to ensure the completion of outstanding items, which included:

- Installation of asphalt surface course on Lake Vista Court
- Installation of sidewalks
- Landscaping improvements and the construction of a “park area” on lot(s) 26 and 27

As of September 2024, the Developer has continued progress on the remaining public improvements and build-out of the individual home sites. Only five (5) residential lots remain to be developed from the 17 that remained undeveloped in 2019. Of these five lots, four (4) are either under development or are in for permit approval with the Village.

The Developer has requested a further reduction of the existing letter of credit considering the substantial progress they have made within the development. Village Staff have inspected the development for compliance with the terms and conditions that were set forth in 2019. As outlined in the attached memorandum, Staff estimates that \$26,500 in remaining improvements for sidewalks and landscaping remains. The street, public park, and stormwater improvements have all been completed in accordance with prior requirements.

Due to the minimal amount of public improvements remaining, Staff is recommending that the remaining letter of credit be released for the development in exchange for a cash deposit to ensure that the remaining sidewalks and landscaping be completed. An Ordinance, and accompanying information is enclosed in the agenda packet.

Suggested Motion: *Motion to Approve Ordinance 2024-10-02 Approving the Release of an Irrevocable Letter of Credit for the Lake Vista Residential Subdivision*

f. **Discussion: Building Code Update**

Staff Contact: Jake Litz, Assistant to the Village Administrator

The State of Illinois recently passed legislation (Public Act 103-0510) changing the Capital Development Board Act to require statewide building codes effective 1/1/2025. Village staff is recommending the adoption of the 2018 Code Cycle. Lake Villa is

serviced by Lake County for all building plan reviews and building inspections. Lake County has also adopted the 2018 Code Cycle.

At Monday night's Board meeting, Dave Modrzejewski the Village's Plan Reviewer with Lake County will provide a presentation to discuss the 2018 Code Cycle.

Additionally, the Village Board will hear a presentation from Lake Villa Fire Protection District Fire Marshal Dave Mohry. He will overview the adoption of the 2018 International Fire Code.

A copy of each presentation is included in the agenda packet.

**VILLAGE OF LAKE VILLA  
VILLAGE BOARD  
REGULAR MEETING  
September 16<sup>th</sup>, 2024**

**Call to Order:** Mayor McDonald called the meeting to order at 7:00 pm.

**Present:** Mayor McDonald, Village Clerk Konrad, Trustees: Nielsen, Barbato, O'Reilly Bartlett, Savell, Chief of Police Rochelle Tisinai, Village Administrator Mike Strong, Assistant to the Village Administrator Jake Litz, Village Attorney Rebecca Alexopolus, Public Works Supervisors Ryan Horton and Jim Bowles. Trustee McCollum was absent.

**ROLL CALL VOTE WAS:**

**AYES: 5 (Nielsen, Barbato, O'Reilly, Bartlett, Savell)**

**NAYS: 0**

**ABSENT: 1 (McCollum)**

**ABSTAIN: 0**

**MOTION CARRIED**

**Public Comment:** A resident asked about the status of the 'Off Roding' ordinance, which the Village is not pursuing due to the layout of village streets and hazards. They also questioned leaf pick up and branch pick up of which the services are provided. All branches must be 6' or shorter and bundled. Leaf pick up will begin in late October and run for the following 6 weeks.

**Minutes:** It was moved by Trustee Nielsen and seconded by Trustee O'Reilly to approve the September 3<sup>rd</sup>, 2024 Village Board Meeting Minutes as amended.

**ROLL CALL VOTE WAS:**

**AYES: 3 (Nielsen, Barbato, O'Reilly, McDonald)**

**NAYS: 0**

**ABSENT: 1 (McCollum)**

**ABSTAIN: 2 (Bartlett, Savell)**

**MOTION CARRIED**

**Finance:** It was moved by Trustee Bartlett and seconded by Trustee Nielsen to approve the account payable report for September 16<sup>th</sup>, 2024 in the amount of \$669,188.72.

**ROLL CALL VOTE WAS:**

**AYES: 5 (Nielsen, Barbato, O'Reilly, Bartlett, Savell)**

**NAYS: 0**

**ABSENT: 1 (McCollum)**

**ABSTAIN: 0**

**MOTION CARRIED**

**Mayor:** Huge Thank You went out to Public Works, Police Department and staff for an exceptionally successful Celebration of Fall.

ECA Solar had a follow up presentation to respond to questions previously asked by the board.

**Staff Reports:** Public Works reports Grand Avenue sod has been started to be installed. Drier weather has delayed the process. The meter replacement project implementation is moving forward with work flow being finalized. The Village website will allow residents to see the active work area make appointments for replacement accordingly. Trustee Barbato recommended that the Café lights strung in the park remain permanently.

The Assistant to the Village Administrator reported to going to CBA training in anticipation of collective bargaining with the Lake Villa Police department.

***New Business:*** **Resolution 2024-09-01: A Resolution Approving and Authorizing the Execution of an Intergovernmental Agreement Between the Board of Education of Lake Villa Consolidated School District No. 41 and the Village of Lake Villa (Security Cameras).**

The Village Board conferred on approving an Intergovernmental Agreement between School District #41 and the Village of Lake Villa.

It was moved by Trustee Barbato and seconded by Trustee Savell to approve Resolution 2024-09-01 A Resolution approving and authorizing the execution of an Intergovernmental Agreement (IGA) between Lake Villa Consolidated School District No. 41 and the Village of Lake Villa.

**ROLL CALL VOTE WAS:**  
**AYES: 5 (Nielsen, Barbato, O’Reilly, Bartlett, Savell)**  
**NAYS: 0**  
**ABSENT: 1 (McCollum)**  
**ABSTAIN: 0**

**MOTION CARRIED**

**Resolution 2024-09-02: A Resolution approving and authorizing the execution of an Intergovernmental Agreement between the Lake Villa Consolidated School District No. 41 and the Village of Lake Villa using Pleviak School for Training**

The Village Board conferred on a Resolution approving an Intergovernmental Agreement between School District #41 and the Village of Lake Villa to authorize the Police Department to access and utilize Pleviak Elementary School for training purposes.

It was moved by Trustee Bartlett and seconded by Trustee Nielsen to approve Resolution 2024-09-02 approving and authorizing the execution of an Intergovernmental Agreement Between the Lake Villa Consolidated School District No. 41 and the Village of Lake Villa.

**ROLL CALL VOTE WAS:**  
**AYES: 5 (Nielsen, Barbato, O’Reilly, Bartlett, Savell)**  
**NAYS: 0**  
**ABSENT: 1 (McCollum)**  
**ABSTAIN: 0**

**MOTION CARRIED**

**Approval: Grass Lake Sidewalk Improvements Bid and Contract Award**

The Village Board conferred on awarding a bid to Miller Pipeline Central for the installation of a sidewalk and pedestrian enhancements on Grass Lake Road. The project includes the installation of a 1,200-foot sidewalk along the south side of Grass Lake Road between the Lake Villa Township Baseball Park and Painted Lakes Boulevard. It also includes the installation of two pedestrian crossing beacons that would be installed at the crosswalk connecting Oakland Ridge Lane and Painted Lakes Boulevard. The project would commence in October 2024 and be complete by the end of the year.

It was moved by Trustee Savell and seconded by Trustee Barbato to award the low bid for the Grass Lake Road Sidewalk Improvement Project to Miller Pipeline Central and authorize the Village Administrator to execute the contract in the amount not to exceed \$181,300.

**ROLL CALL VOTE WAS:**

**AYES: 5 (Nielsen, Barbato, O'Reilly, Bartlett, Savell)**

**NAYS: 0**

**ABSENT: 1 (McCollum)**

**ABSTAIN: 0**

**MOTION CARRIED**

**Resolution 2024-09-03: A Resolution Supporting Illinois Transportation Enhancement Program Grant Application for a Bicycle and Pedestrian Facility on Grand Avenue**

The State of Illinois has issued a call for projects eligible for Illinois Transportation Enhancement Program (ITEP) Grant funding. These grants allow for partial funding of projects that *“provides and supports connected alternate modes of transportation that are safe for all users, enhance the transportation system and improve the quality of life.”* The Village is planning to pursue an ITEP Grant to offset costs associated with the Phase II design, engineering and construction of a new sidewalk improvement along the south side of Grand Avenue between Milwaukee Avenue and Deep Lake Road. A requirement for the Village's grant submittal is a financial commitment from the Corporate Authorities to support the Village's financial contribution for the project, which is 20% of total costs for the project. If awarded, the Village would secure a consultant to complete Phase II, design and engineering of the improvements.

It was moved by Trustee Nielsen and seconded by Trustee Savell to approve Resolution 2024-09-03 supporting a Grant application through the Illinois Transportation Enhancement Program.

**ROLL CALL VOTE WAS:**

**AYES: 5 (Nielsen, Barbato, O'Reilly, Bartlett, Savell)**

**NAYS: 0**

**ABSENT: 1 (McCollum)**

**ABSTAIN: 0**

**MOTION CARRIED**

**Executive Session:**

It was moved by Trustee Barbato and seconded by Trustee Savell to go into Executive session at 8:05 pm.

**ROLL CALL VOTE WAS:**

**AYES: 5 (Nielsen, Barbato, O'Reilly, Bartlett, Savell)**

**NAYS: 0**

**ABSENT: 1 (McCollum)**

**ABSTAIN: 0**

**MOTION CARRIED**

It was moved by Trustee O'Reilly and seconded by Trustee Bartlett to reconvene into regular session at 8:34.

**ROLL CALL VOTE WAS:**

**AYES: 5 (Nielsen, Barbato, O'Reilly, Bartlett, Savell)**

**NAYS: 0**

**ABSENT: 1 (McCollum)**

**ABSTAIN: 0**

**MOTION CARRIED**

**Discussion: FY2026 Budget Priority and Goal Discussion**

As previously discussed with the Board, Staff has prepared a memorandum to facilitate a discussion on budget priorities and goals for the FY2026 year budget. The Mayor facilitated a conversation with the aim of identifying and affirming Village Board policy priorities that may be incorporated into the fiscal year budget for FY2025-2026.

**Adjournment:** It was moved by Trustee Bartlett and seconded by Trustee Savell to adjourn at 9:15 pm.

**ROLL CALL VOTE WAS:**

**AYES: 5 (Nielsen, Barbato, O'Reilly, Bartlett, Savell)**

**NAYS: 0**

**ABSENT: 1 (McCollum)**

**ABSTAIN: 0**

**MOTION CARRIED**

*APPROVED BY ME THIS \_\_\_\_\_ September, 2024*

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*JAMES MCDONALD, MAYOR*

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*MARY KONRAD, CLERK*

VILLAGE OF LAKE VILLA Treasurer's Report  
 EXP CHECK RUN DATES 09/17/2024 - 10/07/2024  
 BOTH JOURNALIZED AND UNJOURNALIZED  
 BOTH OPEN AND PAID

Fund	Department	Line Item	Item Description	Amount	Account Number	Budget	Total	YTD	Over Budget
<b>ACE HARDWARE ANTIOCH 15083</b>									
GENERAL FUND	ADMINISTRATIVE	OFFICE SUPPLIES	CELL PHONE HOLDER	12.99	01-10-60-4810	7,350.00	2,965.63		
			<b>Vendor Total:</b>	<b>12.99</b>					
<b>AMAZON CAPITAL SERVICES</b>									
GENERAL FUND	ADMINISTRATIVE	OFFICE SUPPLIES- 35%	OFFICE SUPPLIES	61.75	01-10-60-4810	7,350.00	2,965.63		
			<b>Vendor Total:</b>	<b>61.75</b>					
<b>AMERICAN GASES CORP</b>									
GENERAL FUND	BUILDINGS & GROUNDS	SUPPLIES-BUILDING	OXYGEN/ACETYLENE	28.68	01-46-40-4910	16,000.00	2,838.45		
			<b>Vendor Total:</b>	<b>28.68</b>					
<b>ANNE B. VOPAT</b>									
SPECIAL EVENTS FUND		OTHER EVENT REVENUE	REFUND / CELEBRATION OI	100.00	81-00-30-3414	2,000.00	15,335.54		OVER
			<b>Vendor Total:</b>	<b>100.00</b>					
<b>ANTIOCH AUTO PARTS</b>									
GENERAL FUND	FLEET	VEHICLE SUPPLIES	STOCK	1.03	01-30-60-4930	53,000.00	25,972.54		
WATER & SEWER	WATER	VEHICLE SUPPLIES	STOCK	0.17	60-42-60-4930	9,000.00	3,073.12		
WATER & SEWER	SEWER	VEHICLE SUPPLIES	STOCK	0.17	60-43-60-4930	9,000.00	3,073.14		
GENERAL FUND	FLEET	VEHICLE SUPPLIES	SQUAD 274	33.21	01-30-60-4930	53,000.00	25,972.54		
GENERAL FUND	FLEET	VEHICLE SUPPLIES	SQUAD 274	29.00	01-30-60-4930	53,000.00	25,972.54		
WATER & SEWER	WATER	VEHICLE SUPPLIES	CEDAR CROSSING	63.28	60-42-60-4930	9,000.00	3,073.12		
WATER & SEWER	SEWER	VEHICLE SUPPLIES	CEDAR CROSSING	63.28	60-43-60-4930	9,000.00	3,073.14		
GENERAL FUND	FLEET	VEHICLE SUPPLIES	SQUAD 280	347.90	01-30-60-4930	53,000.00	25,972.54		
GENERAL FUND	FLEET	VEHICLE SUPPLIES	CREDIT INV 475750/ ITEI	(347.90)	01-30-60-4930	53,000.00	25,972.54		
GENERAL FUND	FLEET	VEHICLE SUPPLIES	SQUAD 274	102.07	01-30-60-4930	53,000.00	25,972.54		
GENERAL FUND	FLEET	VEHICLE SUPPLIES	SQUAD 274	8.54	01-30-60-4930	53,000.00	25,972.54		
GENERAL FUND	FLEET	VEHICLE SUPPLIES	STOCK	3.73	01-30-60-4930	53,000.00	25,972.54		
WATER & SEWER	WATER	VEHICLE SUPPLIES	STOCK	0.62	60-42-60-4930	9,000.00	3,073.12		
WATER & SEWER	SEWER	VEHICLE SUPPLIES	STOCK	0.62	60-43-60-4930	9,000.00	3,073.14		
GENERAL FUND	FLEET	VEHICLE SUPPLIES	STOCK	14.91	01-30-60-4930	53,000.00	25,972.54		
WATER & SEWER	WATER	VEHICLE SUPPLIES	STOCK	2.48	60-42-60-4930	9,000.00	3,073.12		
WATER & SEWER	SEWER	VEHICLE SUPPLIES	STOCK	2.49	60-43-60-4930	9,000.00	3,073.14		
GENERAL FUND	FLEET	VEHICLE SUPPLIES	STOCK	80.92	01-30-60-4930	53,000.00	25,972.54		
WATER & SEWER	WATER	VEHICLE SUPPLIES	STOCK	13.49	60-42-60-4930	9,000.00	3,073.12		
WATER & SEWER	SEWER	VEHICLE SUPPLIES	STOCK	13.49	60-43-60-4930	9,000.00	3,073.14		
			<b>Vendor Total:</b>	<b>433.50</b>					
<b>APPLIED TECHNOLOGIES</b>									
WATER & SEWER	WATER	ENGINEERING-WATER	GENERAL SERVICES/ STAR:	6,652.00	60-42-20-4320	35,000.00	14,738.00		
WATER & SEWER	SEWER	ENGINEERING-SEWER	GENERAL SERVICES/ STAR:	6,652.00	60-43-20-4320	35,000.00	14,738.00		
DEVELOPER ESCROWS		LINCOLN AVE CAPITAL ES	GENERAL SERVICES/ STAR:	1,760.00	03-00-30-2360	0.00	(40,894.09)		
			<b>Vendor Total:</b>	<b>15,064.00</b>					
<b>AREA GLASS &amp; MIRROR CO</b>									
MANSION FUND		MAINTENANCE & REPAIRS	MANSION	103.78	08-00-00-4210	5,000.00	2,857.92		
			<b>Vendor Total:</b>	<b>103.78</b>					
<b>BADGER GLOVE &amp; SAFETY, INC.</b>									
GENERAL FUND	STREETS	UNIFORM ALLOWANCE	UNIFORM ALLOWANCE- HES:	470.58	01-41-60-4170	3,200.00	1,116.40		
WATER & SEWER	WATER	UNIFORM ALLOWANCE	UNIFORM ALLOWANCE- HES:	23.71	60-42-60-4170	1,000.00	(0.86)		
WATER & SEWER	SEWER	UNIFORM ALLOWANCE	UNIFORM ALLOWANCE- HES:	23.71	60-43-60-4170	1,000.00	(0.84)		
			<b>Vendor Total:</b>	<b>518.00</b>					
<b>BAXTER &amp; WOODMAN</b>									
GENERAL FUND	ADMINISTRATIVE	MANAGED GIS SERVICES-	WATER METER APP DEVELO:	335.00	01-10-20-5216	4,940.00	2,948.81		
WATER & SEWER	WATER	MANAGED GIS SERVICES-	WATER METER APP DEVELO:	670.00	60-42-20-5216	9,880.00	5,897.62		
WATER & SEWER	SEWER	MANAGED GIS SERVICES-	WATER METER APP DEVELO:	669.99	60-43-20-5216	9,880.00	5,897.61		
GENERAL FUND	ADMINISTRATIVE	MANAGED GIS SERVICES-	PHASE II GIS IMPLEMENT:	228.50	01-10-20-5216	4,940.00	2,948.81		
WATER & SEWER	WATER	MANAGED GIS SERVICES-	PHASE II GIS IMPLEMENT:	457.00	60-42-20-5216	9,880.00	5,897.62		
WATER & SEWER	SEWER	MANAGED GIS SERVICES-	PHASE II GIS IMPLEMENT:	457.00	60-43-20-5216	9,880.00	5,897.61		
MOTOR FUEL TAX FUND		PAVEMENT MANAGEMENT	MFT: SECTION #24-00034:	1,616.25	75-00-00-4241	575,000.00	384,083.97		
			<b>Vendor Total:</b>	<b>4,433.74</b>					
<b>BROOKS-ALLAN</b>									
GENERAL FUND	POLICE	PRINTING	LAKE VILLA STICKERS	318.67	01-20-60-4440	8,000.00	7,715.11		OVER

VILLAGE OF LAKE VILLA Treasurer's Report  
 EXP CHECK RUN DATES 09/17/2024 - 10/07/2024  
 BOTH JOURNALIZED AND UNJOURNALIZED  
 BOTH OPEN AND PAID

Fund	Department	Line Item	Item Description	Amount	Account Number	Budget	Total YTD	Over Budget
GENERAL FUND	STREETS	UNIFORM ALLOWANCE- KUR'	UNIFORM ALLOWANCE- KUR'	127.92	01-41-60-4170	3,200.00	1,116.40	
GENERAL FUND	FLEET	UNIFORM ALLOWANCE- DOM'	UNIFORM ALLOWANCE- KUR'	139.92	01-30-60-4170	500.00	0.00	
<b>BROWNELLS, INC.</b>				<b>Vendor Total:</b>				
GENERAL FUND	POLICE	RANGE & SUPPLIES	RANGE & SUPPLIES	86.67	01-20-60-4560	17,000.00	6,135.95	
<b>BURRIS EQUIPMENT CO.</b>				<b>Vendor Total:</b>				
PARK CAPITAL		PARK IMPROVEMENTS	BOOM LIFT/ LOFFREDO PAI	1,154.25	97-00-00-8101	53,800.00	18,144.89	
GENERAL FUND	FLEET	VEHICLE SUPPLIES	HOSE SAVER KIT	72.45	01-30-60-4930	53,000.00	25,972.54	
WATER & SEWER	WATER	VEHICLE SUPPLIES	HOSE SAVER KIT	12.08	60-42-60-4930	9,000.00	3,073.12	
WATER & SEWER	SEWER	VEHICLE SUPPLIES	HOSE SAVER KIT	12.07	60-43-60-4930	9,000.00	3,073.14	
<b>CASH</b>				<b>Vendor Total:</b>				
GENERAL FUND	BUILDINGS & GROUNDS	MAINTENANCE-BUILDING	WINDOW CLEANING- SEPTEI	21.00	01-46-40-4210	10,610.00	10,517.85	
<b>CENTRAL LAKE COUNTY JAWA</b>				<b>Vendor Total:</b>				
WATER & SEWER	WATER	CLC-JAWA	SEPTEMBER 2024	36,337.14	60-42-20-4351	382,867.00	168,821.19	
WATER & SEWER	WATER	CLC JAWA CONNECTION FEI	SEPTEMBER 2024	19,575.00	60-42-20-4352	234,900.00	97,875.00	
<b>CES</b>				<b>Vendor Total:</b>				
WATER & SEWER	SEWER	SUPPLIES - SEWER	BATTERY	108.69	60-43-40-4950	30,000.00	4,785.19	
<b>CHICAGO PARTS &amp; SOUND, LLC</b>				<b>Vendor Total:</b>				
GENERAL FUND	FLEET	VEHICLE SUPPLIES	SQUAD 270	192.08	01-30-60-4930	53,000.00	25,972.54	
GENERAL FUND	FLEET	VEHICLE SUPPLIES	SQUAD 292	64.89	01-30-60-4930	53,000.00	25,972.54	
<b>CLARENCE DAVIDS &amp; CO</b>				<b>Vendor Total:</b>				
GENERAL FUND	BUILDINGS & GROUNDS	MAINTENANCE-PARKS	PLANTING BED AROUND DI	587.00	01-46-40-4211	11,506.00	6,790.00	
<b>COMCAST CABLE</b>				<b>Vendor Total:</b>				
GENERAL FUND	BUILDINGS & GROUNDS	TELEPHONE	65 CEDAR AVE OFC	299.59	01-46-60-4420	34,700.00	7,780.34	
WATER & SEWER	WATER	TELEPHONE	65 CEDAR AVE OFC	49.93	60-42-60-4420	3,300.00	1,335.57	
WATER & SEWER	SEWER	TELEPHONE	65 CEDAR AVE OFC	49.93	60-43-60-4420	3,000.00	1,335.56	
<b>CONSERV FS, INC.</b>				<b>Vendor Total:</b>				
GENERAL FUND	FLEET	AUTOMOTIVE FUEL/OIL	631.800 GAL UNL GAS	1,392.17	01-30-60-4820	83,500.00	27,611.11	
WATER & SEWER	WATER	AUTOMOTIVE FUEL/OIL	631.800 GAL UNL GAS	232.03	60-42-60-4820	14,000.00	4,601.84	
WATER & SEWER	SEWER	AUTOMOTIVE FUEL/OIL	631.800 GAL UNL GAS	232.03	60-43-60-4820	14,000.00	4,601.86	
GENERAL FUND	FLEET	AUTOMOTIVE FUEL/OIL	757.500 GAL UNL GAS	1,734.49	01-30-60-4820	83,500.00	27,611.11	
WATER & SEWER	WATER	AUTOMOTIVE FUEL/OIL	757.500 GAL UNL GAS	289.08	60-42-60-4820	14,000.00	4,601.84	
WATER & SEWER	SEWER	AUTOMOTIVE FUEL/OIL	757.500 GAL UNL GAS	289.08	60-43-60-4820	14,000.00	4,601.86	
GENERAL FUND	FLEET	AUTOMOTIVE FUEL/OIL	510.500 GAL DIESEL	1,266.93	01-30-60-4820	83,500.00	27,611.11	
WATER & SEWER	WATER	AUTOMOTIVE FUEL/OIL	510.500 GAL DIESEL	211.16	60-42-60-4820	14,000.00	4,601.84	
WATER & SEWER	SEWER	AUTOMOTIVE FUEL/OIL	510.500 GAL DIESEL	211.15	60-43-60-4820	14,000.00	4,601.86	
<b>CORE &amp; MAIN LP</b>				<b>Vendor Total:</b>				
WATER & SEWER	WATER	SUPPLIES - WATER	CREDIT FOR INVOICE V13'	(1,163.17)	60-42-40-4950	35,000.00	5,695.33	
W&S CAPTIAL FUND	WATER	CAPITAL IMPROVEMENTS -	CREDIT FOR INVOICE V47'	(980.00)	91-42-60-5100	556,325.00	527,665.95	
W&S CAPTIAL FUND	WATER	CAPITAL IMPROVEMENTS -	CREDIT FOR INVOICE V41'	(9,180.00)	91-42-60-5100	556,325.00	527,665.95	
<b>CORPORATE WELLNESS PARTNERS</b>				<b>Vendor Total:</b>				
GENERAL FUND	STREETS	PHYSICALS/TESTING	PHYSICALS/TESTING	65.00	01-41-60-4570	1,000.00	1,124.70	OVER
<b>DEKIND COMPUTER CONSULTANTS</b>				<b>Vendor Total:</b>				
GENERAL FUND	ADMINISTRATIVE	IT SUPPORT -75% (MONTH	NOVEMBER 2024	600.00	01-10-20-5215	12,000.00	6,490.32	
WATER & SEWER	WATER	IT SUPPORT -12.5%	NOVEMBER 2024	100.00	60-42-20-5215	2,000.00	1,081.72	
WATER & SEWER	SEWER	IT SUPPORT -12.5%	NOVEMBER 2024	100.00	60-43-20-5215	2,000.00	1,081.71	
GENERAL FUND	ADMINISTRATIVE	SOFTWARE LICENSES -75	NOVEMBER 2024	1,089.00	01-10-60-5213	39,327.75	8,258.70	

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 BOTH OPEN AND PAID

Fund	Department	Line Item	Item Description	Amount	Account Number	Budget	Total	YTD	Over Budget
WATER & SEWER	WATER	SOFTWARE LICENSES -12.	NOVEMBER 2024	181.50	60-42-60-5213	8,654.62	2,068.60		
WATER & SEWER	SEWER	SOFTWARE LICENSES- 12.	NOVEMBER 2024	181.50	60-43-60-5213	8,654.62	2,068.61		
GENERAL FUND	ADMINISTRATIVE	IT SUPPORT -75% (MONTH:	4.5 OT HRS FOR SEPTEMB)	286.88	01-10-20-5215	12,000.00	6,490.32		
WATER & SEWER	WATER	IT SUPPORT -12.5%	4.5 OT HRS FOR SEPTEMB)	47.81	60-42-20-5215	2,000.00	1,081.72		
WATER & SEWER	SEWER	IT SUPPORT -12.5%	4.5 OT HRS FOR SEPTEMB)	47.81	60-43-20-5215	2,000.00	1,081.71		
GENERAL CAPITAL FUND	ADMINISTRATIVE	CAPITAL IMPROVEMENTS -	APC BATTERY REPLACEMEN'	1,563.70	90-10-60-5100	223,644.00	98,532.59		
<b>Vendor Total:</b>				<b>4,198.20</b>					
<b>DYNEGY ENERGY SERVICES</b>									
WATER & SEWER	WATER	222 OAK KNOLL DR- UNIT	AUGUST 2024 -08/19- 09.	2,179.15	60-42-40-4660	60,000.00	25,112.70		
GENERAL FUND	STREETS	TFLT, METERED 0 RT 83	AUGUST 2024 -08/19- 09.	27.96	01-41-40-4660	135,000.00	44,097.41		
<b>Vendor Total:</b>				<b>2,207.11</b>					
<b>ECCEZION</b>									
GENERAL FUND	ADMINISTRATIVE	AUDIT- ADMINISTRATION	APRIL 30, 2024 AUDIT E:	12,705.00	01-10-20-4310	26,530.00	14,000.00		OVER
WATER & SEWER	WATER	AUDIT- WATER -15%	APRIL 30, 2024 AUDIT E:	2,722.50	60-42-20-4310	5,685.00	3,000.00		OVER
WATER & SEWER	SEWER	AUDIT- SEWER -15%	APRIL 30, 2024 AUDIT E:	2,722.50	60-43-20-4310	5,685.00	3,000.00		OVER
<b>Vendor Total:</b>				<b>18,150.00</b>					
<b>EMPLOYEE BENEFITS CORPORATION</b>									
GENERAL FUND	ADMINISTRATIVE	HEALTH & LIFE INSURANCE	09/01/2024 MINIMUM FEE:	120.00	M 01-10-10-4110	41,431.21	18,318.30		
<b>Vendor Total:</b>				<b>120.00</b>					
<b>ENTERPRISE FM TRUST</b>									
W&S CAPTIAL FUND	WATER	VEHICLE LEASES - WATER	VEHICLE LEASES- PUBLIC	1,277.32	91-42-60-4932	15,150.00	11,145.04		
W&S CAPTIAL FUND	SEWER	VEHICLE LEASES - SEWER	VEHICLE LEASES- PUBLIC	1,277.33	91-43-60-4932	15,150.00	5,563.19		
GENERAL CAPITAL FUND	POLICE	VEHICLE LEASES - POLICE	VEHICLE LEASES- POLICE	7,422.10	90-20-60-4932	47,625.00	13,283.76		
<b>Vendor Total:</b>				<b>9,976.75</b>					
<b>EPOXY FLOOR WIZARD</b>									
GENERAL CAPITAL FUND	BUILDINGS & GROUNDS	CAPITAL IMPROVEMENTS -	LEHMANN MANSION	10,000.00	90-46-60-5100	370,500.00	81,718.96		
<b>Vendor Total:</b>				<b>10,000.00</b>					
<b>FOX VALLEY GRAPHICS, INC</b>									
GENERAL FUND	ADMINISTRATIVE	OFFICE SUPPLIES	BUSINESS CARDS- ALONSO	19.25	01-10-60-4810	7,350.00	2,965.63		
GENERAL FUND	POLICE	OFFICE SUPPLIES	BUSINESS CARDS- ALONSO	19.25	01-20-60-4810	12,000.00	2,039.82		
WATER & SEWER	WATER	OFFICE SUPPLIES	BUSINESS CARDS- ALONSO	8.25	60-42-60-4810	5,800.00	2,181.11		
WATER & SEWER	SEWER	OFFICE SUPPLIES	BUSINESS CARDS- ALONSO	8.25	60-43-60-4810	5,800.00	2,074.64		
<b>Vendor Total:</b>				<b>55.00</b>					
<b>GALL'S, LLC</b>									
GENERAL FUND	POLICE	UNIFORM ALLOWANCE	UNIFORM ALLOWANCE- JOH	84.27	01-20-60-4170	40,000.00	11,912.96		
<b>Vendor Total:</b>				<b>84.27</b>					
<b>GEWALT HAMILTON ASSOCIATES, INC.</b>									
GENERAL CAPITAL FUND	BUILDINGS & GROUNDS	CAPITAL IMPROVEMENTS -	LAKE VILLA - GRAND AVE	5,683.00	90-46-60-5100	370,500.00	81,718.96		
<b>Vendor Total:</b>				<b>5,683.00</b>					
<b>GILLESPIE FORD</b>									
GENERAL FUND	FLEET	VEHICLE SUPPLIES	TRUCK 14	124.66	01-30-60-4930	53,000.00	25,972.54		
<b>Vendor Total:</b>				<b>124.66</b>					
<b>GRAINGER</b>									
WATER & SEWER	WATER	SUPPLIES - WATER	BOOSTER	57.60	60-42-40-4950	35,000.00	5,695.33		
GENERAL FUND	BUILDINGS & GROUNDS	SUPPLIES-PARKS	TRASH BAGS	204.66	01-46-40-4911	20,000.00	8,810.97		
GENERAL FUND	BUILDINGS & GROUNDS	SUPPLIES-PARKS	PET WASTE BAG	215.33	01-46-40-4911	20,000.00	8,810.97		
GENERAL FUND	BUILDINGS & GROUNDS	SUPPLIES-PARKS	TOILET BOWL CLEANER	34.80	01-46-40-4911	20,000.00	8,810.97		
<b>Vendor Total:</b>				<b>512.39</b>					
<b>HAWKINS, INC.</b>									
WATER & SEWER	WATER	SUPPLIES - WATER	CHLORINE CYLINDER	30.00	60-42-40-4950	35,000.00	5,695.33		
<b>Vendor Total:</b>				<b>30.00</b>					
<b>HIGHSTAR TRAFFIC</b>									
GENERAL FUND	STREETS	MAINTENANCE - SIGNS &	STREETLIGHT POST	1,938.75	01-41-40-4270	7,500.00	3,583.10		
<b>Vendor Total:</b>				<b>1,938.75</b>					
<b>ILLINOIS STATE POLICE</b>									
GENERAL FUND	POLICE	MISCELLANEOUS	COST CENTER NUMBER: 06.	31.25	01-20-60-5190	8,000.00	2,045.27		
<b>Vendor Total:</b>				<b>31.25</b>					
<b>ILMO PRODUCTS COMPANY</b>									

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Fund	Department	Line Item	Item Description	Amount	Account Number	Budget	Total	YTD	Over Budget
GENERAL FUND	POLICE	MISCELLANEOUS	MISCELLANEOUS	196.56	01-20-60-5190	8,000.00	2,045.27		
			<b>Vendor Total:</b>	<b>196.56</b>					
<b>INVISIO</b>									
GENERAL FUND	POLICE	NEW EQUIPMENT	INVISIO COMMUNICATION 1	1,365.00	01-20-60-5201	36,065.00	16,638.11		
			<b>Vendor Total:</b>	<b>1,365.00</b>					
<b>KIMBALL MIDWEST</b>									
GENERAL FUND	FLEET	VEHICLE SUPPLIES	VEHICLE SUPPLIES	604.37	01-30-60-4930	53,000.00	25,972.54		
WATER & SEWER	WATER	VEHICLE SUPPLIES	VEHICLE SUPPLIES	100.73	60-42-60-4930	9,000.00	3,073.12		
WATER & SEWER	SEWER	VEHICLE SUPPLIES	VEHICLE SUPPLIES	100.73	60-43-60-4930	9,000.00	3,073.14		
			<b>Vendor Total:</b>	<b>805.83</b>					
<b>LAKE COUNTY HEALTH DEPT. -</b>									
GENERAL FUND	POLICE	MISCELLANEOUS	AUGUST 2024- ACTIVITY 1	100.00	01-20-60-5190	8,000.00	2,045.27		
			<b>Vendor Total:</b>	<b>100.00</b>					
<b>LAKELAND AUTOBODY INC</b>									
GENERAL FUND	FLEET	CONTRACT VEHICLE MAINT	TRUCK 18	256.00	01-30-20-4230	80,000.00	1,280.70		
			<b>Vendor Total:</b>	<b>256.00</b>					
<b>LAKELAND SEPTIC SERVICE</b>									
GENERAL FUND	BUILDINGS & GROUNDS	MAINTENANCE-PARKS	PUMP OUT 2 HOLDING TANK	180.00	01-46-40-4211	11,506.00	6,790.00		
			<b>Vendor Total:</b>	<b>180.00</b>					
<b>LAKELAND/LARSEN</b>									
MANSION FUND		PREVENTATIVE MAINTENANCE	MONTHLY ELEVATOR MAINT	212.50	08-00-00-4212	16,000.00	5,296.34		
MANSION FUND		PREVENTATIVE MAINTENANCE	ANNUAL PRESSURE TEST	750.00	08-00-00-4212	16,000.00	5,296.34		
			<b>Vendor Total:</b>	<b>962.50</b>					
<b>LINDCO</b>									
GENERAL CAPITAL FUND	FLEET	CAPITAL IMPROVEMENTS - TRUCK 1/	VIN# 3HTEJTAR	18,450.00	90-30-60-5100	186,750.00	0.00		
GENERAL CAPITAL FUND	FLEET	CAPITAL IMPROVEMENTS - TRUCK 3/	VIN# 1HTWDTAR	18,068.66	90-30-60-5100	186,750.00	0.00		
			<b>Vendor Total:</b>	<b>36,518.66</b>					
<b>LINDENHURST-LAKE VILLA CHAMBER</b>									
GENERAL FUND	ADMINISTRATIVE	MISCELLANEOUS EXPENSES	ANNUAL GOLF OUTING	360.00	01-10-60-5190	9,000.00	3,486.41		
			<b>Vendor Total:</b>	<b>360.00</b>					
<b>LOGAN DREYER</b>									
GENERAL FUND	POLICE	TRAINING/TRAVEL	PER DIEM/ TRAINING	200.00	01-20-60-4530	19,500.00	15,132.57		
			<b>Vendor Total:</b>	<b>200.00</b>					
<b>MAGEE HARTMAN, P.C.</b>									
GENERAL FUND	POLICE	LEGAL FEES/COURT	SEPTEMBER 2024	3,080.00	01-20-20-4330	40,000.00	19,123.45		
			<b>Vendor Total:</b>	<b>3,080.00</b>					
<b>MCGILL LANDSCAPING, INC.</b>									
DOWNTOWN TIF FUND		TIF ELIGIBLE PROJECT	E:TOPSOIL- 76 CEDAR	162.00	98-00-00-4801	545,125.00	111,733.76		
DOWNTOWN TIF FUND		TIF ELIGIBLE PROJECT	E:TOPSOIL- 76 CEDAR	162.00	98-00-00-4801	545,125.00	111,733.76		
DOWNTOWN TIF FUND		TIF ELIGIBLE PROJECT	E:TOPSOIL- 76 CEDAR	162.00	98-00-00-4801	545,125.00	111,733.76		
DOWNTOWN TIF FUND		TIF ELIGIBLE PROJECT	E:TOPSOIL- 76 CEDAR	162.00	98-00-00-4801	545,125.00	111,733.76		
			<b>Vendor Total:</b>	<b>648.00</b>					
<b>MENARDS - ANTIOCH</b>									
PARK CAPITAL		PARK IMPROVEMENTS	PARKS BATHROOM- SPLIT 1	794.72	97-00-00-8101	53,800.00	18,144.89		
GENERAL FUND	BUILDINGS & GROUNDS	SUPPLIES-PARKS	PARK SUPPLIES	46.15	01-46-40-4911	20,000.00	8,810.97		
WATER & SEWER	WATER	MAINTENANCE-WATER SYSTEM	BOOSTER STATION	12.77	60-42-40-4250	80,000.00	8,827.11		
WATER & SEWER	WATER	SUPPLIES - WATER	WATER SUPPLIES	28.43	60-42-40-4950	35,000.00	5,695.33		
PARK CAPITAL		PARK IMPROVEMENTS	LEHMANN MANSION GROUND	9.32	97-00-00-8101	53,800.00	18,144.89		
PARK CAPITAL		PARK IMPROVEMENTS	LEHMANN MANSION GROUND	47.34	97-00-00-8101	53,800.00	18,144.89		
PARK CAPITAL		PARK IMPROVEMENTS	LEHMANN MANSION GROUND	6.98	97-00-00-8101	53,800.00	18,144.89		
GENERAL FUND	BUILDINGS & GROUNDS	SUPPLIES-BUILDING	FLEXIO	139.00	01-46-40-4910	16,000.00	2,838.45		
SPECIAL EVENTS FUND		CELEBRATION OF FALL	CELEBRATION OF FALL	74.95	81-00-00-4368	30,000.00	19,158.82		
SPECIAL EVENTS FUND		CELEBRATION OF FALL	CELEBRATION OF FALL-MUI	47.08	81-00-00-4368	30,000.00	19,158.82		
W&S CAPTIAL FUND	WATER	CAPITAL IMPROVEMENTS -	METER CHANGE OUT	477.14	91-42-60-5100	556,325.00	527,665.95		
GENERAL FUND	BUILDINGS & GROUNDS	SUPPLIES-BUILDING	SHOP SUPPLIES	72.77	01-46-40-4910	16,000.00	2,838.45		
GENERAL FUND	BUILDINGS & GROUNDS	SUPPLIES-PARKS	GAZEBO	99.18	01-46-40-4911	20,000.00	8,810.97		
WATER & SEWER	WATER	UNIFORM ALLOWANCE	UNIFORM ALLOWANCE- CHR.	49.98	60-42-60-4170	1,000.00	(0.86)		
WATER & SEWER	SEWER	UNIFORM ALLOWANCE	UNIFORM ALLOWANCE- CHR.	49.99	60-43-60-4170	1,000.00	(0.84)		

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Fund	Department	Line Item	Item Description	Amount	Account Number	Budget	Total	Over YTD Budget
<b>Vendor Total:</b>				<b>1,955.80</b>				
<b>MICHAEL STRONG</b>								
GENERAL FUND	ADMINISTRATIVE	TRAINING/TRAVEL	TRAVEL/ TRAINING/ ICMA	71.80	01-10-60-4530	12,100.00	4,389.02	
GENERAL FUND	ADMINISTRATIVE	TRAINING/TRAVEL	TRAVEL/ TRAINING/ ICMA	79.84	01-10-60-4530	12,100.00	4,389.02	
GENERAL FUND	ADMINISTRATIVE	TRAINING/TRAVEL	PER DIEM/ TRAINING/ ICI	250.00	01-10-60-4530	12,100.00	4,389.02	
<b>Vendor Total:</b>				<b>401.64</b>				
<b>MID AMERICAN WATER</b>								
WATER & SEWER	WATER	SUPPLIES - WATER	WATER SUPPLIES	1,905.00	60-42-40-4950	35,000.00	5,695.33	
<b>Vendor Total:</b>				<b>1,905.00</b>				
<b>NICOR GAS</b>								
METRA FUND		ELECTRICITY	RT 21 S BURNETT	45.25	02-00-30-4660	2,500.00	116.52	
WATER & SEWER	WATER	NATURAL GAS	65 CEDAR AVE	49.87	60-42-40-4610	10,000.00	1,043.92	
WATER & SEWER	SEWER	NATURAL GAS	500 E GRAND AVE #3	289.05	60-43-40-4610	15,000.00	3,092.58	
WATER & SEWER	SEWER	NATURAL GAS	1509 OAKLAND DR- LIFT :	115.66	60-43-40-4610	15,000.00	3,092.58	
METRA FUND		ELECTRICITY	129 RAILROAD AVE	46.59	02-00-30-4660	2,500.00	116.52	
WATER & SEWER	SEWER	NATURAL GAS	129 CENTRAL AVE #2	142.61	60-43-40-4610	15,000.00	3,092.58	
WATER & SEWER	SEWER	NATURAL GAS	ES OAK KNOLL RD- END O:	48.56	60-43-40-4610	15,000.00	3,092.58	
WATER & SEWER	WATER	NATURAL GAS	222 OAK KNOLL DR- WATEI	44.58	60-42-40-4610	10,000.00	1,043.92	
WATER & SEWER	SEWER	NATURAL GAS	57 CEDAR AVE	47.25	60-43-40-4610	15,000.00	3,092.58	
WATER & SEWER	WATER	NATURAL GAS	141 BELMONT AVE- WELL I	146.33	60-42-40-4610	10,000.00	1,043.92	
WATER & SEWER	SEWER	NATURAL GAS	ES OAK KNOLL RD- END O:	57.48	60-43-40-4610	15,000.00	3,092.58	
WATER & SEWER	WATER	NATURAL GAS	910 PARK AVE	44.58	60-42-40-4610	10,000.00	1,043.92	
<b>Vendor Total:</b>				<b>1,077.81</b>				
<b>NORTH EAST MULTI-REGIONAL TRAINING</b>								
GENERAL FUND	POLICE	TRAINING/TRAVEL	BASIC FIELD TRAINING/ :	255.00	01-20-60-4530	19,500.00	15,132.57	
GENERAL FUND	POLICE	RANGE & SUPPLIES	FOCUS/ HANDGUN- MOUNTEI	400.00	01-20-60-4560	17,000.00	6,135.95	
<b>Vendor Total:</b>				<b>655.00</b>				
<b>NORTHWEST POLICE ACADEMY</b>								
GENERAL FUND	POLICE	MEMBERSHIPS	MEMBERSHIP DUES FOR 20:	75.00	01-20-60-4531	24,050.00	22,951.60	
<b>Vendor Total:</b>				<b>75.00</b>				
<b>OTTOSEN DINOLFO HASENBALG &amp; CASTALD</b>								
DOWNTOWN TIF FUND		LEGAL FEES	KFO-23-1131/ LAKE VILLI	1,087.35	98-00-20-4330	10,000.00	6,646.05	
BUSINESS DISTRICT #1 FU		LEGAL FEES	KFO-23-L815/ LAKE VILLI	298.39	99-00-20-4330	1,500.00	828.00	
<b>Vendor Total:</b>				<b>1,385.74</b>				
<b>PEERLESS NETWORK, INC.</b>								
GENERAL FUND	BUILDINGS & GROUNDS	TELEPHONE	TELEPHONE	1,091.50	01-46-60-4420	34,700.00	7,780.34	
WATER & SEWER	WATER	TELEPHONE	TELEPHONE	181.92	60-42-60-4420	3,300.00	1,335.57	
WATER & SEWER	SEWER	TELEPHONE	TELEPHONE	181.91	60-43-60-4420	3,000.00	1,335.56	
<b>Vendor Total:</b>				<b>1,455.33</b>				
<b>PETER BAKER &amp; SON CO.</b>								
MOTOR FUEL TAX FUND		PAVEMENT MANAGEMENT	MFT: SECTION # 24-0003:	160,412.06	75-00-00-4241	575,000.00	384,083.97	
<b>Vendor Total:</b>				<b>160,412.06</b>				
<b>PIEPER ELECTRIC INC.</b>								
W&S CAPTIAL FUND	SEWER	CAPITAL IMPROVEMENTS -	LAKE VILLA WATER TOWER	20,883.00	91-43-60-5100	156,125.00	74,375.86	
<b>Vendor Total:</b>				<b>20,883.00</b>				
<b>PITNEY BOWES BANK IN PURCHASE POWER</b>								
GENERAL FUND	ADMINISTRATIVE	OFFICE SUPPLIES	POSTAGE	58.00	01-10-60-4810	7,350.00	2,965.63	
GENERAL FUND	POLICE	OFFICE SUPPLIES	POSTAGE	58.00	01-20-60-4810	12,000.00	2,039.82	
WATER & SEWER	WATER	OFFICE SUPPLIES	POSTAGE	24.86	60-42-60-4810	5,800.00	2,181.11	
WATER & SEWER	SEWER	OFFICE SUPPLIES	POSTAGE	24.85	60-43-60-4810	5,800.00	2,074.64	
<b>Vendor Total:</b>				<b>165.71</b>				
<b>POMP'S TIRE SERVICE</b>								
GENERAL FUND	FLEET	VEHICLE SUPPLIES	SQUAD 294	711.92	01-30-60-4930	53,000.00	25,972.54	
GENERAL FUND	FLEET	VEHICLE SUPPLIES	SQUAD 295	594.00	01-30-60-4930	53,000.00	25,972.54	
<b>Vendor Total:</b>				<b>1,305.92</b>				
<b>RAY O'HERRON CO., INC</b>								
GENERAL FUND	POLICE	UNIFORM ALLOWANCE	UNIFORM ALLOWANCE- MICI	1,031.12	01-20-60-4170	40,000.00	11,912.96	
<b>Vendor Total:</b>				<b>1,031.12</b>				

VILLAGE OF LAKE VILLA Treasurer's Report  
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Fund	Department	Line Item	Item Description	Amount	Account Number	Budget	Total	YTD	Over Budget
<b>RAYMOND CHEVROLET</b>									
GENERAL FUND	FLEET	VEHICLE SUPPLIES	TRUCK 21	356.40	01-30-60-4930	53,000.00	25,972.54		
			<b>Vendor Total:</b>	<u>356.40</u>					
<b>ROGAN SHOES, INC.</b>									
WATER & SEWER	WATER	UNIFORM ALLOWANCE	UNIFORM ALLOWANCE- JIM	166.03	60-42-60-4170	1,000.00		(0.86)	
WATER & SEWER	SEWER	UNIFORM ALLOWANCE	UNIFORM ALLOWANCE- JIM	166.03	60-43-60-4170	1,000.00		(0.84)	
			<b>Vendor Total:</b>	<u>332.06</u>					
<b>RUSH TRUCK CENTER, SPRINGFIELD</b>									
GENERAL CAPITAL FUND	FLEET	CAPITAL IMPROVEMENTS	2025 INTERNATIONAL TRU	96,714.00	90-30-60-5100	186,750.00		0.00	
			<b>Vendor Total:</b>	<u>96,714.00</u>					
<b>RUSSO POWER EQUIPMENT</b>									
GENERAL FUND	STREETS	MAINTENANCE - STREETS	STRAW BLANKET	498.89	01-41-40-4240	95,000.00	82,977.24		
GENERAL FUND	STREETS	SUPPLIES	SOD STAPLES	36.99	01-41-40-4940	17,000.00	8,140.64		
			<b>Vendor Total:</b>	<u>535.88</u>					
<b>SHERWIN-WILLIAMS CO</b>									
PARK CAPITAL		PARK IMPROVEMENTS	LEHMANN MANSION	1,841.25	97-00-00-8101	53,800.00	18,144.89		
PARK CAPITAL		PARK IMPROVEMENTS	VILLAGE HALL	29.49	97-00-00-8101	53,800.00	18,144.89		
PARK CAPITAL		PARK IMPROVEMENTS	LEHMANN MANSION	79.96	97-00-00-8101	53,800.00	18,144.89		
PARK CAPITAL		PARK IMPROVEMENTS	LEHMANN MANSION	319.90	97-00-00-8101	53,800.00	18,144.89		
PARK CAPITAL		PARK IMPROVEMENTS	PARK PAVILION	117.44	97-00-00-8101	53,800.00	18,144.89		
PARK CAPITAL		PARK IMPROVEMENTS	PARK PAVILLION	35.99	97-00-00-8101	53,800.00	18,144.89		
PARK CAPITAL		PARK IMPROVEMENTS	MANSION	98.19	97-00-00-8101	53,800.00	18,144.89		
PARK CAPITAL		PARK IMPROVEMENTS	PARK	22.18	97-00-00-8101	53,800.00	18,144.89		
			<b>Vendor Total:</b>	<u>2,544.40</u>					
<b>SPRING-ALIGN OF PALATINE, INC.</b>									
GENERAL FUND	FLEET	VEHICLE SUPPLIES	TRUCK 13	413.94	01-30-60-4930	53,000.00	25,972.54		
GENERAL FUND	FLEET	VEHICLE SUPPLIES	TRUCK 21	400.00	01-30-60-4930	53,000.00	25,972.54		
			<b>Vendor Total:</b>	<u>813.94</u>					
<b>STATE TREASURER</b>									
GENERAL FUND	STREETS	MAINTENANCE - SIGNS &	IL 132/GRAND AVE @ DEE	385.92	01-41-40-4270	7,500.00	3,583.10		
			<b>Vendor Total:</b>	<u>385.92</u>					
<b>STREICHER'S</b>									
GENERAL FUND	POLICE	UNIFORM ALLOWANCE	PATCH	10.00	01-20-60-4170	40,000.00	11,912.96		
GENERAL FUND	POLICE	NEW EQUIPMENT	SUPPRESSOR	1,252.98	01-20-60-5201	36,065.00	16,638.11		
			<b>Vendor Total:</b>	<u>1,262.98</u>					
<b>TESKA ASSOCIATES, INC.</b>									
GENERAL FUND	ADMINISTRATIVE	PLANNER	LAK15-63/ LAKE VILLA C	1,007.50	01-10-20-4380	20,000.00	6,840.68		
WATER & SEWER	WATER	ENGINEERING-WATER	LAK15-63/ LAKE VILLA C	463.75	60-42-20-4320	35,000.00	14,738.00		
WATER & SEWER	SEWER	ENGINEERING-SEWER	LAK15-63/ LAKE VILLA C	463.75	60-43-20-4320	35,000.00	14,738.00		
GENERAL CAPITAL FUND	ADMINISTRATIVE	CAPITAL IMPROVEMENTS	LAK24-70- LAKE VILLA -!	4,723.24	90-10-60-5100	223,644.00	98,532.59		
			<b>Vendor Total:</b>	<u>6,658.24</u>					
<b>THE BLUE LINE</b>									
GENERAL FUND	POLICE	POLICE COMMISSION TEST	ENTRY LEDVEL POLICE OF	298.00	01-20-50-4330	7,400.00	8,906.00		OVER
			<b>Vendor Total:</b>	<u>298.00</u>					
<b>THOMAS DVORAK</b>									
GENERAL FUND	POLICE	TRAINING/TRAVEL	PER DIEM /TRAINING	200.00	01-20-60-4530	19,500.00	15,132.57		
			<b>Vendor Total:</b>	<u>200.00</u>					
<b>THOMPSON ELEVATOR</b>									
GENERAL FUND	ADMINISTRATIVE	BUILDING INSPECTORS	5 ELEVATOR CODE INSPEC'	219.00	01-10-20-4392	65,000.00	40,188.27		
GENERAL FUND	ADMINISTRATIVE	BUILDING INSPECTORS	1 ELEVATOR CODE INSPEC'	48.00	01-10-20-4392	65,000.00	40,188.27		
			<b>Vendor Total:</b>	<u>267.00</u>					
<b>ULTIMATE TRAINING MUNITIONS</b>									
GENERAL FUND	POLICE	NEW EQUIPMENT	NIPAS EQUIPTMENT	724.21	01-20-60-5201	36,065.00	16,638.11		
GENERAL FUND	POLICE	NEW EQUIPMENT	NIPAS EQUIPTMENT	700.00	01-20-60-5201	36,065.00	16,638.11		
			<b>Vendor Total:</b>	<u>1,424.21</u>					
<b>UPLAND CONSTRUCTION &amp; MAINT. LLC</b>									
PARK CAPITAL		PARK IMPROVEMENTS	CONCRETE PAD/ LOFFREDO	7,600.00	M 97-00-00-8101	53,800.00	18,144.89		
			<b>Vendor Total:</b>	<u>7,600.00</u>					

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Fund	Department	Line Item	Item Description	Amount	Account Number	Budget	Total	Over YTD Budget
<b>VERIZON WIRELESS</b>								
GENERAL FUND	BUILDINGS & GROUNDS	TELEPHONE	AUG 17- SEP16	617.90	01-46-60-4420	34,700.00	7,780.34	
WATER & SEWER	WATER	TELEPHONE	AUG 17- SEP16	102.98	60-42-60-4420	3,300.00	1,335.57	
WATER & SEWER	SEWER	TELEPHONE	AUG 17- SEP16	102.99	60-43-60-4420	3,000.00	1,335.56	
			<b>Vendor Total:</b>	<b>823.87</b>				
<b>WAREHOUSE DIRECT</b>								
WATER & SEWER	SEWER	OFFICE SUPPLIES	OFFICE SUPPLIES- PAPER,	49.54	60-43-60-4810	5,800.00	2,074.64	
WATER & SEWER	WATER	OFFICE SUPPLIES	OFFICE SUPPLIES- PAPER,	49.54	60-42-60-4810	5,800.00	2,181.11	
GENERAL FUND	ADMINISTRATIVE	OFFICE SUPPLIES	OFFICE SUPPLIES- PAPER,	115.59	01-10-60-4810	7,350.00	2,965.63	
GENERAL FUND	POLICE	OFFICE SUPPLIES	OFFICE SUPPLIES- PAPER,	115.59	01-20-60-4810	12,000.00	2,039.82	
			<b>Vendor Total:</b>	<b>330.26</b>				
<b>ZACHARY BECK</b>								
GENERAL FUND	POLICE	UNIFORM ALLOWANCE	REIMBURSEMENT -UNIFORM	284.41	01-20-60-4170	40,000.00	11,912.96	
			<b>Vendor Total:</b>	<b>284.41</b>				
			<b>Grand Total:</b>	<b>485,890.30</b>				

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INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: ACEANT ACE HARDWARE ANTIOCH 15083		
BANK CODE: 40208		
063949/A	CELL PHONE HOLDER	12.99
TOTAL BANK CODE: 40208		12.99
TOTAL VENDOR ACEANT ACE HARDWARE ANTIOCH 15083		12.99
VENDOR CODE: AMA AMAZON CAPITAL SERVICES		
BANK CODE: 40208		
173D-QLL1-9FWT	OFFICE SUPPLIES	61.75
TOTAL BANK CODE: 40208		61.75
TOTAL VENDOR AMA AMAZON CAPITAL SERVICES		61.75
VENDOR CODE: AMEGAS AMERICAN GASES CORP		
BANK CODE: 40208		
209747	OXYGEN/ACETYLENE	28.68
TOTAL BANK CODE: 40208		28.68
TOTAL VENDOR AMEGAS AMERICAN GASES CORP		28.68
VENDOR CODE: ANNVOP ANNE B. VOPAT		
BANK CODE: 40208		
09272024	REFUND / CELEBRATION OF FALL SILENT AUCT	100.00
TOTAL BANK CODE: 40208		100.00
TOTAL VENDOR ANNVOP ANNE B. VOPAT		100.00
VENDOR CODE: ANTAUT ANTIOCH AUTO PARTS		
BANK CODE: 40208		
484110	STOCK	1.37
483471	SQUAD 274	33.21
483394	SQUAD 274	29.00
483837	CEDAR CROSSING	126.56
475750	SQUAD 280	347.90
476508	CREDIT INV 475750/ ITEM RETURNED	(347.90)
491928	SQUAD 274	102.07
490616	SQUAD 274	8.54
492794	STOCK	4.97
492765	STOCK	19.88
490658	STOCK	107.90
TOTAL BANK CODE: 40208		433.50
TOTAL VENDOR ANTAUT ANTIOCH AUTO PARTS		433.50
VENDOR CODE: APPTEC APPLIED TECHNOLOGIES		
BANK CODE: 40208		
37221	GENERAL SERVICES/ STARLING	15,064.00
TOTAL BANK CODE: 40208		15,064.00

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: APPTec APPLIED TECHNOLOGIES		
	TOTAL VENDOR APPTec APPLIED TECHNOLOGIES	15,064.00
VENDOR CODE: AREGLA AREA GLASS & MIRROR CO		
BANK CODE: 40208		
8717	MANSION	103.78
	TOTAL BANK CODE: 40208	103.78
	TOTAL VENDOR AREGLA AREA GLASS & MIRROR CO	103.78
VENDOR CODE: BADGLO BADGER GLOVE & SAFETY, INC.		
BANK CODE: 40208		
054338	UNIFORM ALLOWANCE- HESSLER/ GUILIANI/ SE	518.00
	TOTAL BANK CODE: 40208	518.00
	TOTAL VENDOR BADGLO BADGER GLOVE & SAFETY, INC.	518.00
VENDOR CODE: BAXWOO BAXTER & WOODMAN		
BANK CODE: 40208		
0263979	WATER METER APP DEVELOPMENT AND TRAINING	1,674.99
0263981	PHASE II GIS IMPLEMENTATION/ PROJECT 240	1,142.50
0263980	MFT: SECTION #24-00034-00-RS/ 2024 STREE	1,616.25
	TOTAL BANK CODE: 40208	4,433.74
	TOTAL VENDOR BAXWOO BAXTER & WOODMAN	4,433.74
VENDOR CODE: BROALA BROOKS-ALLAN		
BANK CODE: 40208		
47783	LAKE VILLA STICKERS	318.67
5861	UNIFORM ALLOWANCE- KURT SKINNER/ DOMINIC	267.84
	TOTAL BANK CODE: 40208	586.51
	TOTAL VENDOR BROALA BROOKS-ALLAN	586.51
VENDOR CODE: BROINC BROWNELLS, INC.		
BANK CODE: 40208		
2024411508797	RANGE & SUPPLIES	86.67
	TOTAL BANK CODE: 40208	86.67
	TOTAL VENDOR BROINC BROWNELLS, INC.	86.67
VENDOR CODE: BUREQU BURRIS EQUIPMENT CO.		
BANK CODE: 40208		
RC2008760-1	BOOM LIFT/ LOFFREDO PARK BATHROOM REPAIR	1,154.25
PS201626-1	HOSE SAVER KIT	96.60
	TOTAL BANK CODE: 40208	1,250.85
	TOTAL VENDOR BUREQU BURRIS EQUIPMENT CO.	1,250.85

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INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: CASH CASH		
BANK CODE: 40208		
09302024	WINDOW CLEANING- SEPTEMBER 2024	21.00
TOTAL BANK CODE: 40208		21.00
TOTAL VENDOR CASH CASH		21.00
VENDOR CODE: CENLCJAWA CENTRAL LAKE COUNTY JAWA		
BANK CODE: 40208		
0901-0930	SEPTEMBER 2024	55,912.14
TOTAL BANK CODE: 40208		55,912.14
TOTAL VENDOR CENLCJAWA CENTRAL LAKE COUNTY JAWA		55,912.14
VENDOR CODE: CES CES		
BANK CODE: 40208		
GUR/153787	BATTERY	108.69
TOTAL BANK CODE: 40208		108.69
TOTAL VENDOR CES CES		108.69
VENDOR CODE: CLADAV CLARENCE DAVIDS & CO		
BANK CODE: 40208		
INV20538	PLANTING BED AROUND DIGITAL SIGN- FALL 2	587.00
TOTAL BANK CODE: 40208		587.00
TOTAL VENDOR CLADAV CLARENCE DAVIDS & CO		587.00
VENDOR CODE: COMCAB COMCAST CABLE		
BANK CODE: 40208		
09122024	65 CEDAR AVE OFC	399.45
TOTAL BANK CODE: 40208		399.45
TOTAL VENDOR COMCAB COMCAST CABLE		399.45
VENDOR CODE: CONFV CONSERV FS, INC.		
BANK CODE: 40208		
102030718	631.800 GAL UNL GAS	1,856.23
102030853	757.500 GAL UNL GAS	2,312.65
102030852	510.500 GAL DIESEL	1,689.24
TOTAL BANK CODE: 40208		5,858.12
TOTAL VENDOR CONFV CONSERV FS, INC.		5,858.12
VENDOR CODE: CORMAI CORE & MAIN LP		
BANK CODE: 40208		
V611422	CREDIT FOR INVOICE V131741	(1,163.17)
V593249	CREDIT FOR INVOICE V475747	(980.00)
V588570	CREDIT FOR INVOICE V417444	(9,180.00)

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INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: CORMAI CORE & MAIN LP		
BANK CODE: 40208		
TOTAL BANK CODE: 40208		(11,323.17)
TOTAL VENDOR CORMAI CORE & MAIN LP		(11,323.17)
VENDOR CODE: CORWEL CORPORATE WELLNESS PARTNERS		
BANK CODE: 40208		
WM001346	PHYSICALS/TESTING	65.00
TOTAL BANK CODE: 40208		65.00
TOTAL VENDOR CORWEL CORPORATE WELLNESS PARTNERS		65.00
VENDOR CODE: CPS CHICAGO PARTS & SOUND, LLC		
BANK CODE: 40208		
32-0074439	SQUAD 270	192.08
1-0470502	SQUAD 292	64.89
TOTAL BANK CODE: 40208		256.97
TOTAL VENDOR CPS CHICAGO PARTS & SOUND, LLC		256.97
VENDOR CODE: DEKCOM DEKIND COMPUTER CONSULTANTS		
BANK CODE: 40208		
40022	NOVEMBER 2024	2,252.00
40100	4.5 OT HRS FOR SEPTEMBER 2024	382.50
39958	APC BATTERY REPLACEMENT	1,563.70
TOTAL BANK CODE: 40208		4,198.20
TOTAL VENDOR DEKCOM DEKIND COMPUTER CONSULTANTS		4,198.20
VENDOR CODE: DYNENE DYNEGY ENERGY SERVICES		
BANK CODE: 40208		
031360004053	AUGUST 2024 -08/19- 09/17	2,207.11
TOTAL BANK CODE: 40208		2,207.11
TOTAL VENDOR DYNENE DYNEGY ENERGY SERVICES		2,207.11
VENDOR CODE: ECC ECCEZION		
BANK CODE: 40208		
476783	APRIL 30, 2024 AUDIT EXAMINATION	18,150.00
TOTAL BANK CODE: 40208		18,150.00
TOTAL VENDOR ECC ECCEZION		18,150.00
VENDOR CODE: EMPBENCOR EMPLOYEE BENEFITS CORPORATION		
BANK CODE: 40208		
4614977	09/01/2024 MINIMUM FEES	120.00
TOTAL BANK CODE: 40208		120.00

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INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: EMPBENCOR EMPLOYEE BENEFITS CORPORATION		
	TOTAL VENDOR EMPBENCOR EMPLOYEE BENEFITS CORPORATIC	120.00
VENDOR CODE: ENT ENTERPRISE FM TRUST		
BANK CODE: 40208		
627337-090524	VEHICLE LEASES- PUBLIC WORKS	2,554.65
625037-090524	VEHICLE LEASES- POLICE	7,422.10
	TOTAL BANK CODE: 40208	9,976.75
	TOTAL VENDOR ENT ENTERPRISE FM TRUST	9,976.75
VENDOR CODE: EPOFLO EPOXY FLOOR WIZARD		
BANK CODE: 40208		
LM34	LEHMANN MANSION	10,000.00
	TOTAL BANK CODE: 40208	10,000.00
	TOTAL VENDOR EPOFLO EPOXY FLOOR WIZARD	10,000.00
VENDOR CODE: FOXVALGR FOX VALLEY GRAPHICS, INC		
BANK CODE: 40208		
49026	BUSINESS CARDS- ALONSO	55.00
	TOTAL BANK CODE: 40208	55.00
	TOTAL VENDOR FOXVALGR FOX VALLEY GRAPHICS, INC	55.00
VENDOR CODE: GALL'S GALL'S, LLC		
BANK CODE: 40208		
028902467	UNIFORM ALLOWANCE- JOHN BAGHDASARIAN	84.27
	TOTAL BANK CODE: 40208	84.27
	TOTAL VENDOR GALL'S GALL'S, LLC	84.27
VENDOR CODE: GEWHAM GEWALT HAMILTON ASSOCIATES, INC.		
BANK CODE: 40208		
5875.100-14	LAKE VILLA - GRAND AVE SW PH 1	5,683.00
	TOTAL BANK CODE: 40208	5,683.00
	TOTAL VENDOR GEWHAM GEWALT HAMILTON ASSOCIATES, INC	5,683.00
VENDOR CODE: GILFOR GILLESPIE FORD		
BANK CODE: 40208		
47739	TRUCK 14	124.66
	TOTAL BANK CODE: 40208	124.66
	TOTAL VENDOR GILFOR GILLESPIE FORD	124.66
VENDOR CODE: GRAINGER GRAINGER		
BANK CODE: 40208		

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INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: GRAINGER GRAINGER		
BANK CODE: 40208		
9258094029	BOOSTER	57.60
9242777457	TRASH BAGS	204.66
9235261709	PET WASTE BAG	215.33
9235781573	TOILET BOWL CLEANER	34.80
TOTAL BANK CODE: 40208		512.39
TOTAL VENDOR GRAINGER GRAINGER		512.39
VENDOR CODE: HAWINC HAWKINS, INC.		
BANK CODE: 40208		
6863301	CHLORINE CYLINDER	30.00
TOTAL BANK CODE: 40208		30.00
TOTAL VENDOR HAWINC HAWKINS, INC.		30.00
VENDOR CODE: HIGSTA HIGHSTAR TRAFFIC		
BANK CODE: 40208		
8219	STREETLIGHT POST	1,938.75
TOTAL BANK CODE: 40208		1,938.75
TOTAL VENDOR HIGSTA HIGHSTAR TRAFFIC		1,938.75
VENDOR CODE: ILMO ILMO PRODUCTS COMPANY		
BANK CODE: 40208		
0001500528	MISCELLANEOUS	196.56
TOTAL BANK CODE: 40208		196.56
TOTAL VENDOR ILMO ILMO PRODUCTS COMPANY		196.56
VENDOR CODE: ILSTATE ILLINOIS STATE POLICE		
BANK CODE: 40208		
20240806414	COST CENTER NUMBER: 06414	31.25
TOTAL BANK CODE: 40208		31.25
TOTAL VENDOR ILSTATE ILLINOIS STATE POLICE		31.25
VENDOR CODE: INV INVISIO		
BANK CODE: 40208		
SQ-US014006	INVISIO COMMUNICATION EQUIPMENT	1,365.00
TOTAL BANK CODE: 40208		1,365.00
TOTAL VENDOR INV INVISIO		1,365.00
VENDOR CODE: KIMMID KIMBALL MIDWEST		
BANK CODE: 40208		
102596493	VEHICLE SUPPLIES	805.83

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INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: KIMMID KIMBALL MIDWEST		
BANK CODE: 40208		
	TOTAL BANK CODE: 40208	805.83
	TOTAL VENDOR KIMMID KIMBALL MIDWEST	805.83
VENDOR CODE: LAKAUT LAKELAND AUTOBODY INC		
BANK CODE: 40208		
37442	TRUCK 18	256.00
	TOTAL BANK CODE: 40208	256.00
	TOTAL VENDOR LAKAUT LAKELAND AUTOBODY INC	256.00
VENDOR CODE: LAKLAR LAKELAND/LARSEN		
BANK CODE: 40208		
195817	MONTHLY ELEVATOR MAINT	212.50
196052	ANNUAL PRESSURE TEST	750.00
	TOTAL BANK CODE: 40208	962.50
	TOTAL VENDOR LAKLAR LAKELAND/LARSEN	962.50
VENDOR CODE: LAKSEP LAKELAND SEPTIC SERVICE		
BANK CODE: 40208		
89158	PUMP OUT 2 HOLDING TANKS	180.00
	TOTAL BANK CODE: 40208	180.00
	TOTAL VENDOR LAKSEP LAKELAND SEPTIC SERVICE	180.00
VENDOR CODE: LCHEA LAKE COUNTY HEALTH DEPT.-		
BANK CODE: 40208		
27798	AUGUST 2024- ACTIVITY FOR LAKE COUNTY AN	100.00
	TOTAL BANK CODE: 40208	100.00
	TOTAL VENDOR LCHEA LAKE COUNTY HEALTH DEPT.-	100.00
VENDOR CODE: LINDCO LINDCO		
BANK CODE: 40208		
240628R-SWL	TRUCK 1/ VIN# 3HTEJTAR5MN374783	18,450.00
240629R-SWL	TRUCK 3/ VIN# 1HTWDTAR2KH508376	18,068.66
	TOTAL BANK CODE: 40208	36,518.66
	TOTAL VENDOR LINDCO LINDCO	36,518.66
VENDOR CODE: LINLAK LINDENHURST-LAKE VILLA CHAMBER		
BANK CODE: 40208		
2024	ANNUAL GOLF OUTING	360.00
	TOTAL BANK CODE: 40208	360.00

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INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: LINLAK LINDENHURST-LAKE VILLA CHAMBER		
	TOTAL VENDOR LINLAK LINDENHURST-LAKE VILLA CHAMBER	360.00
VENDOR CODE: LOGDRE LOGAN DREYER		
BANK CODE: 40208		
09202024	PER DIEM/ TRAINING	200.00
	TOTAL BANK CODE: 40208	200.00
	TOTAL VENDOR LOGDRE LOGAN DREYER	200.00
VENDOR CODE: MAGHAR MAGEE HARTMAN, P.C.		
BANK CODE: 40208		
10022024	SEPTEMBER 2024	3,080.00
	TOTAL BANK CODE: 40208	3,080.00
	TOTAL VENDOR MAGHAR MAGEE HARTMAN, P.C.	3,080.00
VENDOR CODE: MCGLAN MCGILL LANDSCAPING, INC.		
BANK CODE: 40208		
22335MG	TOPSOIL- 76 CEDAR	162.00
22336MG	TOPSOIL- 76 CEDAR	162.00
22337MG	TOPSOIL- 76 CEDAR	162.00
22334MG	TOPSOIL- 76 CEDAR	162.00
	TOTAL BANK CODE: 40208	648.00
	TOTAL VENDOR MCGLAN MCGILL LANDSCAPING, INC.	648.00
VENDOR CODE: MENANT MENARDS - ANTIOCH		
BANK CODE: 40208		
52985	PARKS BATHROOM- SPLIT RAIL FENCE	794.72
52507	PARK SUPPLIES	46.15
52571	BOOSTER STATION	12.77
52505	WATER SUPPLIES	28.43
52639	LEHMANN MANSION GROUND REPAIRS	9.32
52591	LEHMANN MANSION GROUND REPAIRS	47.34
52649	LEHMANN MANSION GROUND REPAIRS	6.98
52634	FLEXIO	139.00
51937	CELEBRATION OF FALL	74.95
51970	CELEBRATION OF FALL-MUMS	47.08
51165	METER CHANGE OUT	477.14
52155	SHOP SUPPLIES	72.77
52314	GAZEBO	99.18
52333	UNIFORM ALLOWANCE- CHRIS WILLIAMS	99.97
	TOTAL BANK CODE: 40208	1,955.80
	TOTAL VENDOR MENANT MENARDS - ANTIOCH	1,955.80
VENDOR CODE: MICSTR MICHAEL STRONG		
BANK CODE: 40208		
09302027	TRAVEL/ TRAINING/ ICMA PITTSBURG	71.80
09302024	TRAVEL/ TRAINING/ ICMA PITTSBURG	79.84
09302024	PER DIEM/ TRAINING/ ICMA PITTSBURG	250.00

User: CDENZEL

EXP CHECK RUN DATES 09/17/2024 - 10/07/2024

DB: Lake Villa

BOTH JOURNALIZED AND UNJOURNALIZED

BOTH OPEN AND PAID

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: MICSTR MICHAEL STRONG		
BANK CODE: 40208		
	TOTAL BANK CODE: 40208	401.64
	TOTAL VENDOR MICSTR MICHAEL STRONG	401.64
VENDOR CODE: MIDAMERI MID AMERICAN WATER		
BANK CODE: 40208		
274809W	WATER SUPPLIES	1,905.00
	TOTAL BANK CODE: 40208	1,905.00
	TOTAL VENDOR MIDAMERI MID AMERICAN WATER	1,905.00
VENDOR CODE: NEMRT NORTH EAST MULTI-REGIONAL TRAINING		
BANK CODE: 40208		
360934	BASIC FIELD TRAINING/ SOKOLOVE- ZACHARY	255.00
361349	FOCUS/ HANDGUN- MOUNTED RED DOT OPTIC IN	400.00
	TOTAL BANK CODE: 40208	655.00
	TOTAL VENDOR NEMRT NORTH EAST MULTI-REGIONAL TRAINING	655.00
VENDOR CODE: NICOR NICOR GAS		
BANK CODE: 40208		
09202024-5513	RT 21 S BURNETT	45.25
09202024-8365	65 CEDAR AVE	49.87
09202024-3390	500 E GRAND AVE #3	289.05
09202024-3343	1509 OAKLAND DR- LIFT STATION	115.66
09182024	129 RAILROAD AVE	46.59
09182024-8978	129 CENTRAL AVE #2	142.61
09182024-3262	ES OAK KNOLL RD- END OF RD	48.56
09182024-2455	222 OAK KNOLL DR- WATER FACILITIES BLDG	44.58
09202024-6885	57 CEDAR AVE	47.25
09202024-5469	141 BELMONT AVE- WELL HOUSE	146.33
09202024-7099	ES OAK KNOLL RD- END OF RD	57.48
09202024-1446	910 PARK AVE	44.58
	TOTAL BANK CODE: 40208	1,077.81
	TOTAL VENDOR NICOR NICOR GAS	1,077.81
VENDOR CODE: NWPA NORTHWEST POLICE ACADEMY		
BANK CODE: 40208		
1468	MEMBERSHIP DUES FOR 2024-2025	75.00
	TOTAL BANK CODE: 40208	75.00
	TOTAL VENDOR NWPA NORTHWEST POLICE ACADEMY	75.00
VENDOR CODE: OTTDIN OTTOSEN DINOLFO HASENBALG & CASTALD		
BANK CODE: 40208		
9481	KFO-23-1131/ LAKE VILLA/ DOWNTOWN TIF	1,087.35
9482	KFO-23-L815/ LAKE VILLA BDD	298.39

User: CDENZEL

EXP CHECK RUN DATES 09/17/2024 - 10/07/2024

DB: Lake Villa

BOTH JOURNALIZED AND UNJOURNALIZED

BOTH OPEN AND PAID

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: OTTDIN OTTOSEN DINOLFO HASENBALG & CASTALD		
BANK CODE: 40208		
TOTAL BANK CODE: 40208		1,385.74
TOTAL VENDOR OTTDIN OTTOSEN DINOLFO HASENBALG & CAS		1,385.74
VENDOR CODE: PEERLESS PEERLESS NETWORK, INC.		
BANK CODE: 40208		
1214897	TELEPHONE	1,455.33
TOTAL BANK CODE: 40208		1,455.33
TOTAL VENDOR PEERLESS PEERLESS NETWORK, INC.		1,455.33
VENDOR CODE: PETBAK PETER BAKER & SON CO.		
BANK CODE: 40208		
24240.01F	MFT: SECTION # 24-00034-00-RS/ VILLAGE O	160,412.06
TOTAL BANK CODE: 40208		160,412.06
TOTAL VENDOR PETBAK PETER BAKER & SON CO.		160,412.06
VENDOR CODE: PIEPER PIEPER ELECTRIC INC.		
BANK CODE: 40208		
PJ99015394	LAKE VILLA WATER TOWER MIXER/ JOB # UT00	20,883.00
TOTAL BANK CODE: 40208		20,883.00
TOTAL VENDOR PIEPER PIEPER ELECTRIC INC.		20,883.00
VENDOR CODE: PITBOWES PITNEY BOWES BANK IN PURCHASE POWER		
BANK CODE: 40208		
10022024	POSTAGE	165.71
TOTAL BANK CODE: 40208		165.71
TOTAL VENDOR PITBOWES PITNEY BOWES BANK IN PURCHASE		165.71
VENDOR CODE: POMPS POMP'S TIRE SERVICE		
BANK CODE: 40208		
2100014364	SQUAD 294	711.92
2100014083	SQUAD 295	594.00
TOTAL BANK CODE: 40208		1,305.92
TOTAL VENDOR POMPS POMP'S TIRE SERVICE		1,305.92
VENDOR CODE: RAYCHE RAYMOND CHEVROLET		
BANK CODE: 40208		
38295	TRUCK 21	356.40
TOTAL BANK CODE: 40208		356.40
TOTAL VENDOR RAYCHE RAYMOND CHEVROLET		356.40

User: CDENZEL

EXP CHECK RUN DATES 09/17/2024 - 10/07/2024

DB: Lake Villa

BOTH JOURNALIZED AND UNJOURNALIZED

BOTH OPEN AND PAID

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: RAYOHE RAY O'HERRON CO., INC		
BANK CODE: 40208		
2367859	UNIFORM ALLOWANCE- MICHAEL -NEW CSO	1,031.12
TOTAL BANK CODE: 40208		1,031.12
TOTAL VENDOR RAYOHE RAY O'HERRON CO., INC		1,031.12
VENDOR CODE: ROGSHO ROGAN SHOES, INC.		
BANK CODE: 40208		
295295	UNIFORM ALLOWANCE- JIM BOWLES/ CHRIS WIL	332.06
TOTAL BANK CODE: 40208		332.06
TOTAL VENDOR ROGSHO ROGAN SHOES, INC.		332.06
VENDOR CODE: RUSPOW RUSSO POWER EQUIPMENT		
BANK CODE: 40208		
SPI20818399	STRAW BLANKET	498.89
SPI20818743	SOD STAPLES	36.99
TOTAL BANK CODE: 40208		535.88
TOTAL VENDOR RUSPOW RUSSO POWER EQUIPMENT		535.88
VENDOR CODE: RUSTRUCEN RUSH TRUCK CENTER, SPRINGFIELD		
BANK CODE: 40208		
2801-091624	2025 INTERNATIONAL TRUCK/ MODEL: MV607 S	96,714.00
TOTAL BANK CODE: 40208		96,714.00
TOTAL VENDOR RUSTRUCEN RUSH TRUCK CENTER, SPRINGFIELD		96,714.00
VENDOR CODE: SHEWIL SHERWIN-WILLIAMS CO		
BANK CODE: 40208		
9700008101	LEHMANN MANSION	1,841.25
3813-6	VILLAGE HALL	29.49
4068-6	LEHMANN MANSION	79.96
9874-3	LEHMANN MANSION	319.90
3929-0	PARK PAVILLION	117.44
4064-5	PARK PAVILLION	35.99
3712-5	MANSION	98.19
3830-0	PARK	22.18
TOTAL BANK CODE: 40208		2,544.40
TOTAL VENDOR SHEWIL SHERWIN-WILLIAMS CO		2,544.40
VENDOR CODE: SPRALI SPRING-ALIGN OF PALATINE, INC.		
BANK CODE: 40208		
127642	TRUCK 13	413.94
127811	TRUCK 21	400.00
TOTAL BANK CODE: 40208		813.94

User: CDENZEL

EXP CHECK RUN DATES 09/17/2024 - 10/07/2024

DB: Lake Villa

BOTH JOURNALIZED AND UNJOURNALIZED

BOTH OPEN AND PAID

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: SPRALI SPRING-ALIGN OF PALATINE, INC.		
	TOTAL VENDOR SPRALI SPRING-ALIGN OF PALATINE, INC.	813.94
VENDOR CODE: STATRE STATE TREASURER		
BANK CODE: 40208		
65496	IL 132/GRAND AVE @ DEEP LAKE RD TRAFFIC	385.92
	TOTAL BANK CODE: 40208	385.92
	TOTAL VENDOR STATRE STATE TREASURER	385.92
VENDOR CODE: STREICH STREICHER'S		
BANK CODE: 40208		
I1716719	PATCH	10.00
I1717000	SUPPRESSOR	1,252.98
	TOTAL BANK CODE: 40208	1,262.98
	TOTAL VENDOR STREICH STREICHER'S	1,262.98
VENDOR CODE: TESASS TESKA ASSOCIATES, INC.		
BANK CODE: 40208		
14564	LAK15-63/ LAKE VILLA CONTINUING SERVICES	1,935.00
14593	LAK24-70- LAKE VILLA -ZONING AUDIT	4,723.24
	TOTAL BANK CODE: 40208	6,658.24
	TOTAL VENDOR TESASS TESKA ASSOCIATES, INC.	6,658.24
VENDOR CODE: THEBLU THE BLUE LINE		
BANK CODE: 40208		
46939	ENTRY LEDVEL POLICE OFFICER RECRUITMENT	298.00
	TOTAL BANK CODE: 40208	298.00
	TOTAL VENDOR THEBLU THE BLUE LINE	298.00
VENDOR CODE: THOELE THOMPSON ELEVATOR		
BANK CODE: 40208		
24-1835	5 ELEVATOR CODE INSPECTIONS/ 2 CERTIFICA	219.00
24-1947	1 ELEVATOR CODE INSPECTION/ 1 CERTIFICAT	48.00
	TOTAL BANK CODE: 40208	267.00
	TOTAL VENDOR THOELE THOMPSON ELEVATOR	267.00
VENDOR CODE: THOMDVO THOMAS DVORAK		
BANK CODE: 40208		
09202024	PER DIEM /TRAINING	200.00
	TOTAL BANK CODE: 40208	200.00
	TOTAL VENDOR THOMDVO THOMAS DVORAK	200.00
VENDOR CODE: ULTTA ULTIMATE TRAINING MUNITIONS		

User: CDENZEL

EXP CHECK RUN DATES 09/17/2024 - 10/07/2024

DB: Lake Villa

BOTH JOURNALIZED AND UNJOURNALIZED

BOTH OPEN AND PAID

INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR CODE: ULTTA ULTIMATE TRAINING MUNITIONS		
BANK CODE: 40208		
218921	NIPAS EQUIPMENT	724.21
218920	NIPAS EQUIPMENT	700.00
TOTAL BANK CODE: 40208		1,424.21
TOTAL VENDOR ULTTA ULTIMATE TRAINING MUNITIONS		1,424.21
VENDOR CODE: UPLCON UPLAND CONSTRUCTION & MAINT. LLC		
BANK CODE: 40208		
1430	CONCRETE PAD/ LOFFREDO PARK PERGOLA	7,600.00
TOTAL BANK CODE: 40208		7,600.00
TOTAL VENDOR UPLCON UPLAND CONSTRUCTION & MAINT. LI		7,600.00
VENDOR CODE: VERWIR VERIZON WIRELESS		
BANK CODE: 40208		
9974066993	AUG 17- SEP16	823.87
TOTAL BANK CODE: 40208		823.87
TOTAL VENDOR VERWIR VERIZON WIRELESS		823.87
VENDOR CODE: WARDIR WAREHOUSE DIRECT		
BANK CODE: 40208		
5790514-0	OFFICE SUPPLIES- PAPER/ C- FOLD TOWELS	330.26
TOTAL BANK CODE: 40208		330.26
TOTAL VENDOR WARDIR WAREHOUSE DIRECT		330.26
VENDOR CODE: ZACBEC ZACHARY BECK		
BANK CODE: 40208		
09302024	REIMBURSEMENT -UNIFORM ALLOWANCE	284.41
TOTAL BANK CODE: 40208		284.41
TOTAL VENDOR ZACBEC ZACHARY BECK		284.41
GRAND TOTAL:		485,890.30



Lauterbach & Amen, LLP

CERTIFIED PUBLIC ACCOUNTANTS

# Lake Villa Police Pension Fund Reporting

For the Contribution Year Ending April 30, 2025 for Funding Purposes  
For the Fiscal Year Ending April 30, 2024 for Financial Statement Reporting

Presented by:  
Kevin Cavanaugh, Principal

**Actuarial**

**Audit**

**Client Accounting &  
Advisory Services**

**Pension**

**Tax**

# Recommended Contribution & Funded Status

Page 8 in Report

	Prior Valuation	Current Valuation	Difference
Recommended Contribution	\$993,759	\$1,031,560	\$37,801 (3.80% Increase)
Fair Value of Assets (FVA)	\$9,834,200	\$10,798,800	\$964,600
Actuarial Value of Assets (AVA)	\$10,454,900	\$11,143,200	\$688,300
Actuarial Accrued Liability	\$19,353,900	\$20,097,500	\$743,600
EAN Unfunded Actuarial Accrued Liability/(Surplus)	\$8,899,000	\$8,954,400	\$55,400
Percent Funded (AVA)	54.02%	55.45%	1.43%
Percent Funded (FVA)	50.81%	53.73%	2.92%

*Current Funding Policy is level % pay contributions to a 100% funding target over the remaining 16 years.*

# Recommended Contribution Reconciliation

Page 15 in Report

	Actuarial Liability	Recommended Contribution
Expected Changes	\$860,800	\$32,300
Salary Increases Greater than Expected	(\$25,200)	\$3,700
Actuarial Experience	(\$91,900)	(\$21,300)
Investment Return Less than Expected	\$0	\$13,900
Contributions Less than Expected	\$0	\$9,200
Net Increase/(Decrease)	\$743,700	\$37,800

# Recommended Contribution Breakdown

Page 25 in Report

	Prior Valuation	Current Valuation	Difference
Employer Normal Cost (with interest)	\$287,566	\$287,191	(\$375)
Amortization of Unfunded Accrued Liability/(Surplus)	\$706,193	\$744,369	\$38,176
Recommended Contribution	\$993,759	\$1,031,560	\$37,801

*The Recommended Contribution has Increased by 3.80% from the Prior Valuation.*

# Demographic Changes

Page 13-14 in Report

- There were 3 Members who were hired during the year. This increased the Recommended Contribution by approximately \$24,100.
- There was 1 Member who retired during the year. This decreased the Recommended Contribution by approximately \$10,600.
- There were 2 Members who terminated employment during the year. This decreased the Recommended Contribution by approximately \$12,800.
- There were 15 inactive Members who continued to collect benefits. This decreased the Recommended Contribution by approximately \$20,200.
- Other demographic changes experienced during the year were minimal.

# Age and Service Distribution

## Page 35 in Report

**5/1/2024 Age and Service Distribution - Tier 1|Tier 2 Active Members**

	Service	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up	Total
Age												
Under 25		0 1										0 1
25 to 29												
30 to 34		0 2	0 1	0 2								0 5
35 to 39			0 1	0 1								0 2
40 to 44							1 0					1 0
45 to 49			1 0	0 1			3 0					4 1
50 to 54			2 0		1 0							3 0
55 to 59			0 1									0 1
60 to 64												
65 to 69												
70 & up												
Total		0 3	3 3	0 4	1 0		4 0					8 10



# Expected Benefit Payments

Page 9 & 34 in Report

Current Valuation	
Total Active Members	18
Total Inactive Members	22
Current Benefit Payments	\$844,900
Expected Benefit Payments in 5 Years	\$1,150,400
Expected Benefit Payments in 10 Years	\$1,571,700

*Benefit Payments are  
Anticipated to  
Increase 36% in the  
Next 5 Years and  
86% in the Next 10  
Years.*

# Change in Fair Value of Assets

Page 17 in Report

Current Valuation	
Beginning Fair Value of Assets	\$9,834,200
Employer Contributions	\$835,100
Member Contributions	\$202,600
Return on Investments	\$797,700
Benefits and Refunds	(\$844,900)
Other Expenses	(\$29,300)
Prior Period Audit Adjustment	\$3,500
Change in Fair Value	\$964,700
Ending Fair Value of Assets	\$10,798,800

*The Rate of Return on Investments on a Fair Value of Assets Basis for the Fund was Approximately 7.74% Net of Administrative Expense. The Expected Rate of Return on Investments is 6.50%.*

# Risk Management

Page 11, 13 & 22 in Report

- The Fair Value of Assets (\$10.8M) is less than the Actuarial Accrued Liability for inactive Members (\$15.1M).
- The ratio of benefit payments to the Fair Value of Assets is 7.82%, compared to an Expected Rate of Return on Investments of 6.50%.
- Based on the number of active Members in the Plan, there is a moderate demographic risk.

	0.25% Decrease (6.25%)	Current Expected Rate of Return on Investments (6.50%)	0.25% Increase (6.75%)
Recommended Contribution	\$1,099,165	\$1,031,560	\$966,604
Dollar Impact	\$67,605		(\$64,956)
Percentage Impact	6.55%		(6.30%)

# Alternative Contribution

## Page 30 in Report

	Prior Valuation	Current Valuation	Difference
Alternative Contribution	\$833,421	\$862,969	\$29,548
PUC Unfunded Actuarial Accrued Liability/(Surplus)	\$9,481,200	\$9,587,500	\$106,300
Alternative Contribution Funded Percentage (AVA)	52.44%	53.75%	1.31%

*Alternative  
Contribution Funding  
Policy is Level % Pay  
Contributions to a  
90% Funding Target  
Over the Remaining  
16 Years.*

# Five-Year Employer Contribution History

Page 33 in GASB 67/68 Report

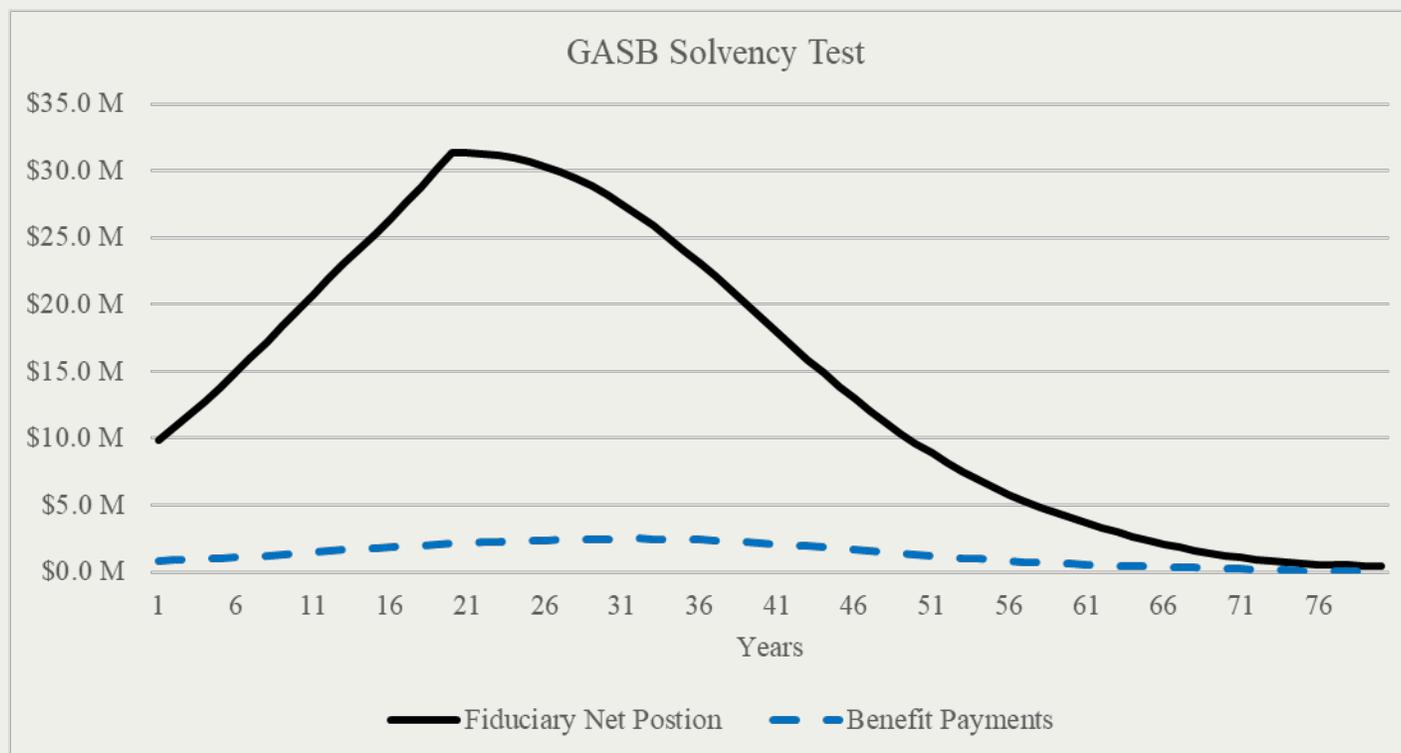
Fiscal Year End	Employer Contribution	Actuarially Determined Contribution (ADC)	% of ADC
4/30/2024	\$835,123	\$912,021	91.57%
4/30/2023	\$828,598	\$899,304	92.14%
4/30/2022	\$804,464	\$804,464	100.00%
4/30/2021	\$719,296	\$719,296	100.00%
4/30/2020	\$778,479	\$784,646	99.21%
		<b>5 - Year Average</b>	<b>96.58%</b>

*The Actuarially Determined Contribution for the Current Year is the Recommended Contribution from the May 1, 2022 Actuarial Valuation Completed by Lauterbach & Amen, LLP.*



# GASB Solvency Test

Page 42 in GASB 67/68 Report



*The Plan's Projected  
Fiduciary Net  
Position is  
Anticipated to Cover  
Projected Benefit  
Payments in Full for  
the Current  
Employees.*



# Actuarial Certification

- The valuation results summarized in this presentation are from the May 1, 2024 Actuarial Funding Report & May 1, 2023 GASB 67/68 Report, which have been reviewed by Actuarial Consultants that meet the Qualification Standards of the American Academy of Actuaries.
  - This report is not intended for purposes other than determining the Recommended Contribution, under the selected Funding Policy, and the Alternative Contribution.
  - This report contains the full description of the data, assumptions, methods, and provisions used to produce these actuarial results.
  - For any rounded figures shown in this presentation, please refer to the Actuarial Funding Report for more exact figures.

# LAKE VILLA POLICE PENSION FUND

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FUNDING ACTUARIAL VALUATION  
AS OF MAY 1, 2024



FOR THE CONTRIBUTION YEAR  
MAY 1, 2024 TO APRIL 30, 2025

668 N. River Road  
Naperville, IL 60563  
Phone: 630.393.1483  
Fax: 630.393.2516  
[lauterbachamen.com](http://lauterbachamen.com)

# Actuarial Funding Report

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## Lauterbach & Amen, LLP

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CERTIFIED PUBLIC ACCOUNTANTS

### LAKE VILLA POLICE PENSION FUND

**Contribution Year Ending: April 30, 2025**

Actuarial Valuation Date: May 1, 2024

Data Date: April 30, 2024

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**Contact:**

Todd A. Schroeder  
Partner  
September 12, 2024

***LAUTERBACH & AMEN, LLP***



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## ACTUARIAL CERTIFICATION

This report documents the results of the Actuarial Valuation for the Lake Villa Police Pension Fund. The information was prepared for use by the Lake Villa Police Pension Fund and the Village of Lake Villa, Illinois for determining the Recommended Contribution, under the selected Funding Policy, and the Alternative Contribution for the Contribution Year May 1, 2024 to April 30, 2025. It is not intended or suitable for other purposes. Determinations for purposes other than the Employer's Actuarial Recommended Contribution may be significantly different from the results herein.

The results in this report are based on the demographic data and financial information submitted by the Lake Villa Police Pension Fund, and may include results from the prior Actuary. We did not prepare the Actuarial Valuations for the years prior to May 1, 2020. Those valuations were prepared by the prior Actuary whose reports have been furnished to us, and our disclosures are based on those reports. An audit of the prior Actuary's results was not performed, but high-level reviews were completed for general reasonableness, as appropriate, based on the purpose of this valuation. The accuracy of the results is dependent on the precision and completeness of the underlying information.

In addition, the results of the Actuarial Valuation involve certain risks and uncertainty as they are based on future assumptions, market conditions, and events that may never materialize as assumed. For this reason, certain assumptions and future results may be materially different than those presented in this report. See the *Management Summary* section of this report for a more detailed discussion of the Defined Benefit Plan Risks, as well as the limitations of this Actuarial Valuation on assessing those risks. We are not aware of any known events subsequent to the Actuarial Valuation Date, which are not reflected in this report but should be valued, that may materially impact the results.

The valuation results summarized in this report involve actuarial calculations that require assumptions about future events. The Lake Villa Police Pension Fund selected certain assumptions, while others were the result of guidance and/or judgment from the Plan's Actuary or Advisors. We believe that the assumptions used in this valuation are reasonable and appropriate for the purposes for which they have been used. The selected assumptions represent our best estimate of the anticipated long-term experience of the Plan, and meet the guidelines set forth in the Actuarial Standards of Practice.

In preparing the results, our Actuaries used commercially available software (ProVal) developed by Winklevoss Technologies, LLC. This software is widely used for the purpose of performing Actuarial Valuations. Our Actuaries coded the plan provisions, assumptions, methods, and demographic data summarized in this report, and reviewed the liability and cost outputs for reasonableness. We are not aware of any material weaknesses or limitations in the software, and have determined it is appropriate for performing this valuation.





To the best of our knowledge, all calculations are in accordance with the applicable funding requirements, and the procedures followed and presentation of results conform to generally accepted actuarial principles and practices as prescribed by the Actuarial Standards Board. The undersigned consultants of Lauterbach & Amen, LLP, with actuarial credentials, meet the Qualification Standards of the American Academy of Actuaries to render this Actuarial Certification. There is no relationship between the Lake Villa Police Pension Fund and Lauterbach & Amen, LLP that impairs our objectivity.

Respectfully Submitted,  
LAUTERBACH & AMEN, LLP

Todd A. Schroeder, ASA, FCA, EA, MAAA

Robert L. Rietz, Jr., FCA, EA, MAAA

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## MANAGEMENT SUMMARY

Recommended Contribution  
Funded Status

Management Summary – Comments and Analysis  
Actuarial Recommended Contribution – Reconciliation

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## MANAGEMENT SUMMARY

### RECOMMENDED CONTRIBUTION

	Prior Valuation	Current Valuation
Recommended Contribution	\$993,759	\$1,031,560
Expected Payroll	\$1,589,187	\$1,628,150
Recommended Contribution as a Percent of Expected Payroll	62.53%	63.36%

*The Recommended  
Contribution has  
Increased by  
\$37,801 from the  
Prior Valuation.*

### FUNDED STATUS

	Prior Valuation	Current Valuation
Normal Cost	\$424,985	\$428,433
Fair Value of Assets	\$9,834,151	\$10,798,847
Actuarial Value of Assets	\$10,454,869	\$11,143,159
Actuarial Accrued Liability	\$19,353,852	\$20,097,539
Unfunded Actuarial Accrued Liability/(Surplus)	\$8,898,983	\$8,954,380
<u>Percent Funded</u>		
Actuarial Value of Assets	54.02%	55.45%
Fair Value of Assets	50.81%	53.73%

*The Percent  
Funded has  
Increased by 1.43%  
on an Actuarial  
Value of Assets  
Basis.*



## MANAGEMENT SUMMARY

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### MANAGEMENT SUMMARY – COMMENTS AND ANALYSIS

#### Contribution Results

The Recommended Contribution is based on the selected Funding Policy and methods that are outlined in the *Actuarial Funding Policies* section of this report.

“Contribution Risk” is defined by the Actuarial Standards of Practice as the potential for actual future contributions to deviate from expected future contributions. For example, when actual contributions are not made in accordance to the Plan’s Funding Policy, or when future experience deviates materially from assumed. While it is essential for the Actuary and Plan Sponsor to collaborate on implementing a sound and financially feasible Funding Policy, it is important to note that the Actuary is not required, and is not in the position to, evaluate the ability or willingness of the Plan Sponsor to make the Recommended Contribution under the selected Funding Policy.

As a result, while Contribution Risk may be a significant source of risk for the Plan, this Actuarial Valuation makes no attempt to assess the impact of future contributions falling short of those recommended under the selected Funding Policy. Notwithstanding the above, see the *Actuarial Recommended Contribution – Reconciliation* section of this report for the impact on the current Recommended Contribution of any contribution shortfalls or excesses from the prior year.

#### Defined Benefit Plan Risks

##### *Asset Growth:*

Pension funding involves preparing Fund assets to pay for benefits when Members retire. During their working careers, assets grow with contributions and investment earnings; and then, the Pension Fund distributes assets in retirement. Based on the Plan’s current mix of Members and Funded Status, the Plan should experience positive asset growth, on average, if the Recommended Contributions are made and expected investment earnings come in. In the current year, the Fund asset growth was positive by approximately \$964,700.

Asset growth is important in the long-term. Long-term cash flow out of the Pension Fund is primarily benefit payments, and expenses are a smaller portion. The Plan should monitor the impact of expected benefit payments on future asset growth. We assess and project all future benefit payments as part of the determination of liability. The assessment is made on all current Members of the Fund, both active and inactive. For active Members, the assessment includes the probability that Members terminate or retire and begin receiving benefits. In the next 5 years, benefit payments are anticipated to increase 35-40%, or approximately \$305,500. In the next 10 years, the expected increase in benefit payments is 85-90%, or approximately \$726,800. The estimated increase in benefit payments is being compared against the benefits paid to inactive Members during the fiscal year, excluding any refunds of Member Contributions.

Furthermore, plans with a large number of inactive Members have an increased “Longevity Risk”. Longevity Risk is the possibility that inactive Members may live longer than projected by the Plan’s mortality assumption. As shown in the previous paragraph, benefit payments are expected to increase over



## MANAGEMENT SUMMARY

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the next 5-year and 10-year horizons. The projected increases assume that current inactive Members pass away according to the Plan's mortality assumption. To the extent that current inactive Members live longer than expected, the future 5-year and 10-year benefit projections may be larger than the amounts disclosed in the previous paragraph. Higher levels of benefit payments, payable for a longer period of time, may cause a significant strain on the Plan's cash flow, future Recommended Contributions, and may lead to Plan insolvency.

### *Unfunded Liability:*

Unfunded Liability represents the financial shortfall of the Actuarial Value of Assets compared to the Actuarial Accrued Liability. To the extent that Unfunded Liability exists, the Plan is losing potential investment earnings due to the financial shortfall. Contributions towards Unfunded Liability pay for the lost investment earnings, as well as the outstanding unfunded amount. If payments towards Unfunded Liability are not made, the Unfunded Liability will grow.

In the early 1990s, many Pension Funds in Illinois adopted an increasing payment towards Unfunded Liability due to a change in legislation. The initial payment decreased, and future payments are anticipated to increase annually after that. In many situations, payments early on were less than the interest on Unfunded Liability, which means that Unfunded Liability increased even though contributions were made at the recommended level.

The current Recommended Contribution includes a payment towards Unfunded Liability that is approximately \$162,300 greater than the interest on Unfunded Liability. All else being equal, and contributions being made, Unfunded Liability is expected to decrease. The Employer and Fund should anticipate improvement in the current Percent Funded in the short-term. The Employer and Fund should understand this impact as we progress forward to manage expectations.

### *Actuarial Value of Assets:*

The Pension Fund smooths investment returns that vary from expectations over a 5-year period. The intention over time is that investment returns for purposes of funding recommendations are a combination of several years. The impact is intended to smooth out the volatility of Recommended Contributions over time, but not necessarily increase or decrease the level of contributions over the long-term.

When investment returns are smoothed, there are always gains or losses on the Fair Value of Assets that are going to be deferred for current funding purposes, and recognized in future years. Currently, the Pension Fund is deferring approximately \$344,300 in losses on the Fair Value of Assets. These are asset losses that will be recognized in upcoming periods, independent of the future performance of the Fair Value of Assets.

### *Cash Flow Risk:*

Assets, liabilities, and Funded Status are good metrics to monitor over time to assess the progress of the Funding Policy. However, these metrics may provide limited forward-looking insights. Specifically, the



## MANAGEMENT SUMMARY

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maturity of a Pension Fund can pose certain risks that often cannot be assessed with a point-in-time metric such as Percent Funded.

For example, two different Pension Funds could have the same Percent Funded, but have completely different risk profiles. One Fund might mostly cover active Members with little to no Members in pay status, whereas a second Fund might mostly cover inactive Members with a significant level of annual benefit payments. The latter Fund has a greater “Cash Flow Risk”, i.e. a more significant chance that negative cash flows could lead to a deteriorating, rather than improving, Percent Funded over time.

It is important to note that, in general, positive net cash flows are good, but also need to be sufficient to cover the growth in the liabilities (i.e. the Normal Cost as well as interest on the Actuarial Accrued Liability). Typically, when cash flows are assumed to be insufficient to cover the growth in liabilities, the Percent Funded will decline, while future Recommended Contributions will increase.

For this Plan, the Fair Value of Assets is less than the Actuarial Accrued Liability for inactive Members. The Fund assets and anticipated investment earnings are not sufficient to cover the benefits payable to the current inactive Members. In addition, there is currently no money set aside for active Member liability. There are two consequences. First, we are limiting the impact of investment earnings on accruing money for the active Members due to utilizing those dollars to pay for the current inactive Members. Second, there is Cash Flow Risk that exists in that a higher portion of the assets is needed to keep up with cash flow out for benefit payments, and a higher relative investment return is required to keep cash flow positive in any given year.

### *Benefit Payment Risk:*

Ideally, plans in a sound financial position will have the ratio of annual benefits payments to the Fair Value of Assets to be less than the Expected Rate of Return on Investments assumption (i.e., 6.50%). Theoretically, in this case it can be considered that investment returns will fully cover the annual benefit payments, and therefore, all Employer and Member Contributions made to the Fund will be used to pay for future benefit accruals and pay down the existing Unfunded Liability. To the extent that the ratio of the annual benefit payments to the Fair Value of Assets increases to above the Expected Rate of Return on Investments assumption, the Plan may experience some additional risks, such as the need to keep assets in more liquid investments, inability to pay down Unfunded Liability, and may lead to Plan insolvency.

As of the Valuation Date, the Lake Villa Police Pension Fund has a ratio of benefit payments to the Fair Value of Assets of 7.82%. In this case, a portion of the Employer Contributions are being used to pay the annual benefit payments creating Benefit Payment Risk and Cash Flow Risk. The Percent Funded of the Plan may not grow as quickly as expected under the current Funding Policy, since the amortization payment towards the Unfunded Liability is not being fully realized. As shown in the *Asset Growth* section of this report, the 5-year and 10-year horizons of future benefit payments are expected to increase. The Plan Sponsor should monitor the percentage of annual benefit payments to the Fair Value of Assets and consider changing the Funding Policy if this ratio continues to increase.



## MANAGEMENT SUMMARY

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### Fund Assets

The results in this report are based on the assets held in the Pension Fund. Assets consist of funds held for investment and for benefit payments as of the Actuarial Valuation Date. In addition, assets may be adjusted for other events representing dollars that are reasonably expected to be paid out from the Pension Fund or deposited into the Pension Fund after the Actuarial Valuation Date as well.

The current Fund assets are unaudited. As of the date of this report, the audit of the Fund assets is not complete, not available, or has not been provided.

The current Fund assets are based on the year-end financials as prepared by the Pension Fund Accountant. The year-end financials represent a full accrual version of the fiduciary fund as of the end of the Fiscal Year, prepared in preparation for the audit. The changes to the fund cash balance as of the Fiscal Year End are non-cash items that can include accrued interest, due/unpaid expenses, prepaids, and other adjustments.

*The Fund  
Assets Used in  
this Report  
are  
Unaudited.*

The Actuarial Value of Assets under the Funding Policy is equal to the Fair Value of Assets, with unexpected gains and losses smoothed over 5 years. More detail on the Actuarial Value of Assets can be found in the *Actuarial Funding Policies* section of this report.

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## MANAGEMENT SUMMARY

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### Demographic Data

Demographic factors can change from year to year within the Pension Fund. Changes in this category include hiring new Members, Members retiring or becoming disabled, inactive Members passing away, and other changes. Demographic changes can cause an actuarial gain (contribution that is less than expected compared to the prior year) or an actuarial loss (contribution that is greater than expected compared to the prior year).

Demographic gains and losses occur when the assumptions over the one-year period for Member changes do not meet our long-term expectation. For example, if no Members become disabled during the year, we would expect a liability gain. If more Members become disabled than anticipated during the year, we would expect a liability loss. Generally, we expect short-term fluctuations in demographic experience to create gains or losses of 1%-3% of the Actuarial Accrued Liability in any given year, but to balance out in the long-term.

“Demographic Risk” occurs when Plan demographic experience differs significantly from expected. Similar to Longevity Risk discussed previously, additional risk is created when demographic experience differs from the assumed rates of disability, retirement, or termination. Under the chosen assumptions, actuarial gains and/or losses will always occur, as the assumptions will never be exactly realized. However, the magnitude of the gain and/or loss and its influence on the Recommended Contribution largely depends on the size of the Plan.

A key Demographic Risk is mortality improvement differing from expected. While the actuarial assumptions reflect small, continuous improvements in mortality experience and these assumptions are refined upon the completion of each actuarial experience study, the risk arises because there is a possibility of a sudden shift in mortality experience. This report reflects the impact of COVID-19 experience that has been accounted for in the underlying demographic data. This report does not reflect the ongoing impact of COVID-19, which is likely to influence demographic and economic experience, at least in the short-term. We will continue to monitor these developments and their impact on the Plan. Actual future experience will be reflected in each subsequent Actuarial Valuation, as experience emerges.

Based on the number of active Members in the Plan, the Recommended Contribution has a moderate risk of having a significant increase due to demographic experience. For example, 1 new disabled Member would typically generate a substantial increase to the Actuarial Accrued Liability, which in turn, may increase the Recommended Contribution.

In the current report, the key demographic changes were as follows:

*New Hires:* There were 3 Members of the Fund who were hired during the year. When a Member is admitted to the Pension Fund, the Employer Contribution will increase to reflect the new Member. The increase in the Recommended Contribution in the current year due to the new Member experience is approximately \$24,100.



## MANAGEMENT SUMMARY

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*Retirement:* There was 1 Member of the Fund who retired during the year. When a Member retires, the Normal Cost will decrease. Any change in the Actuarial Accrued Liability will be considered when determining the amount to pay towards Unfunded Liability each year. The decrease in the Recommended Contribution in the current year due to the retirement experience is approximately \$10,600.

*Termination:* There were 2 Members of the Fund who terminated employment during the year. The Fund may be obligated to pay a benefit or a refund of Member Contributions to the Members in the future. The decrease in the Recommended Contribution in the current year due to the termination experience is approximately \$12,800.

*Mortality:* As inactive Members age and continue to collect benefits, the Fund liability will increase. In the current year, there were 15 inactive Members who maintained their benefit collection status throughout the year. The decrease in the Recommended Contribution in the current year due to the mortality experience is approximately \$20,200.

*Salary Increases:* Salary increases were greater than anticipated in the current year. This caused an increase in the Recommended Contribution in the current year of approximately \$3,700.

### Assumption Changes

The assumptions were not changed from the prior valuation.

### Funding Policy Changes

The Funding Policy was not changed from the prior valuation.

### Output Smoothing

Contributions are determined annually by allocating dollars over a specified period of time. Procedures that are used to allocate contributions over a period of time may include asset smoothing, amortization period, and output smoothing. Each procedure becomes part of the Actuarial Methodology. Output smoothing involves measuring the impact of a specific result on a contribution and recognizing the result. The final contribution should maintain a reasonable relationship to the full Actuarially Determined Contribution.

The current results shown throughout the report reflect the full Actuarially Determined Contribution.



## MANAGEMENT SUMMARY

### ACTUARIAL RECOMMENDED CONTRIBUTION – RECONCILIATION

Actuarial Accrued Liability is expected to increase each year for both interest for the year and as active Members earn additional service years towards retirement. Similarly, Actuarial Accrued Liability is expected to decrease when the Fund pays benefits to inactive Members.

Contributions are expected to increase as expected pay increases under the Funding Policy for the Fund.

	Actuarial Liability	Recommended Contribution
Prior Valuation	\$ 19,353,852	\$ 993,759
Expected Changes	860,807	32,297
Initial Expected Current Valuation	<u>\$ 20,214,659</u>	<u>\$ 1,026,056</u>

Other increases or decreases in Actuarial Accrued Liability (key changes noted below) will increase or decrease the amount of Unfunded Liability in the Plan. To the extent that Unfunded Liability increases or decreases unexpectedly, the contribution towards Unfunded Liability will also change unexpectedly.

	Actuarial Liability	Recommended Contribution
Salary Increases Greater than Expected	\$ (25,204)	\$ 3,652
Actuarial Experience	(91,916)	(21,294)
Investment Return Less than Expected*	-	13,919
Contributions Less than Expected	-	9,227
Total Increase/(Decrease)	<u>\$ (117,120)</u>	<u>\$ 5,504</u>
Current Valuation	<u>\$ 20,097,539</u>	<u>\$ 1,031,560</u>

\*Impact on the Recommended Contribution due to investment return is on an Actuarial Value of Assets basis.

The Actuarial Experience can be attributable to several factors including, but not limited to, demographic changes and benefit payment experience compared to expectation. Key demographic changes were discussed in the *Demographic Data* section of this report.





## VALUATION OF FUND ASSETS

Fair Value of Assets  
Fair Value of Assets (Gain)/Loss  
Development of the Actuarial Value of Assets  
Actuarial Value of Assets (Gain)/Loss  
Historical Asset Performance

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## *VALUATION OF FUND ASSETS*

### FAIR VALUE OF ASSETS

#### Statement of Assets

	Prior Valuation	Current Valuation
Cash and Cash Equivalents	\$ 1,222,995	\$ 1,003,451
Money Market	154	-
Illinois Funds	1,243,133	1,312,011
Fixed Income	214,584	219,515
Pooled Investment Accounts	7,134,222	8,249,348
Receivables (Net of Payables)	19,063	14,522
Total Fair Value of Assets	\$ 9,834,151	\$ 10,798,847

*The Total Fair Value of Assets has Increased by Approximately \$964,700 from the Prior Valuation.*

#### Statement of Changes in Assets

Total Fair Value of Assets - Prior Valuation	\$ 9,834,151
Plus - Employer Contributions	835,123
Plus - Member Contributions	202,614
Plus - Return on Investments	797,655
Less - Benefit Payments and Refunds	(844,893)
Less - Other Expenses	(29,318)
Prior Period Audit Adjustment	3,515
Total Fair Value of Assets - Current Valuation	\$ 10,798,847

*The Rate of Return on Investments on a Fair Value of Assets Basis for the Fund was Approximately 7.74% Net of Administrative Expense.*

The Rate of Return on Investments shown above has been determined as a percent of the average of the prior and current Fair Value of Assets on the Statement of Changes in Assets. The Return on Investments is net of Other Expenses, and has been excluded from the Total Fair Value of Assets at the end of the Fiscal Year for this calculation.



## VALUATION OF FUND ASSETS

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### FAIR VALUE OF ASSETS (GAIN)/LOSS

#### Current Year (Gain)/Loss on Fair Value of Assets

Total Fair Value of Assets - Prior Valuation	\$ 9,834,151
Employer and Member Contributions	1,037,737
Benefit Payments and Refunds	(844,893)
Expected Return on Investments	645,487
Initial Expected Total Fair Value of Assets - Current Valuation	\$ 10,672,482
Prior Period Audit Adjustment	3,515
Expected Total Fair Value of Assets - Current Valuation	10,675,997
Actual Total Fair Value of Assets - Current Valuation	10,798,847
Current Fair Value of Assets (Gain)/Loss	\$ (122,850)

*The Actual Return on Investments on a Fair Value of Assets Basis was Greater than Expected for the Current Year.*

Expected Return on Investments	\$ 645,487
Actual Return on Investments (Net of Expenses)	768,337
Current Fair Value of Assets (Gain)/Loss	\$ (122,850)

The (Gain)/Loss on the current Fair Value of Assets has been determined based on the Expected Rate of Return on Investments as shown in the *Actuarial Assumptions* section of this report.



## VALUATION OF FUND ASSETS

### DEVELOPMENT OF THE ACTUARIAL VALUE OF ASSETS

Total Fair Value of Assets - Current Valuation		\$ 10,798,847
Adjustment for Prior (Gains)/Losses		
	Full Amount	Deferral
FYE 4/30/2024	\$ (122,850)	(98,280)
FYE 4/30/2023	313,109	187,865
FYE 4/30/2022	1,029,065	411,626
FYE 4/30/2021	(784,493)	(156,899)
Total Deferred (Gain)/Loss		344,312
Initial Actuarial Value of Assets - Current Valuation		\$ 11,143,159
Less Contributions for the Current Year and Interest Adjustment for the Corridor		-
Total Actuarial Value of Assets - Current Valuation		\$ 11,143,159

*The Actuarial Value of Assets is Equal to the Fair Value of Assets with Unanticipated (Gains)/Losses Recognized Over 5 Years. The Actuarial Value of Assets is 103.19% of the Fair Value of Assets.*

### ACTUARIAL VALUE OF ASSETS (GAIN)/LOSS

Total Actuarial Value of Assets - Prior Valuation		\$ 10,454,869
Plus - Employer Contributions		835,123
Plus - Member Contributions		202,614
Plus - Return on Investments		521,249
Less - Benefit Payments and Refund		(844,893)
Less - Other Expenses		(29,318)
Prior Period Audit Adjustment		3,515
Total Actuarial Value of Assets - Current Valuation		\$ 11,143,159

*The Rate of Return on Investments on an Actuarial Value of Assets Basis for the Fund was Approximately 4.66% Net of Administrative Expense.*

The Actuarial Value of Assets incorporates portions of gains and losses over multiple years.



## VALUATION OF FUND ASSETS

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### HISTORICAL ASSET PERFORMANCE

The chart below shows the historical Rates of Return on Investments for both Fair Value of Assets and Actuarial Value of Assets.

	<u>Fair Value of Assets</u>	<u>Actuarial Value of Assets</u>
FYE 4/30/2024	7.74%	4.66%
FYE 4/30/2023	3.17%	4.20%
FYE 4/30/2022	(4.27%)	4.97%
FYE 4/30/2021	16.31%	6.58%
FYE 4/30/2020	2.31%	4.06%
<b>5-Year Arithmetic Average</b>	5.05%	4.89%
<b>5-Year Geometric Average</b>	4.83%	4.89%

The historical Rates of Return on Investments shown above were calculated based on the annual Return on Investments, as a percentage of the average value of the assets for the year. The historical Rates of Return on Investments shown above may not reflect the current investment allocation of the Pension Fund.

For purposes of determining the average value of assets for the year, the ending Fair Value of Assets has been adjusted to net out to the portion related to the Return on Investments themselves. All other cash flows are included.

For purposes of determining the annual Return on Investments we have adjusted the figures shown on the preceding pages. The figures shown on the preceding pages are net of Investment Expenses. We have made an additional adjustment to net out Administrative Expenses. Netting out Administrative Expenses allows us to capture returns for the year that can be used to make benefit payments as part of the ongoing actuarial process.

The adjustments we made are for actuarial reporting purposes only. By netting out Administrative Expenses and capturing Return on Investments that are available to pay benefits, it provides us a comparison to the Expected Rate of Return on Investments, but does not provide a figure that would be consistent with the rates of return that are determined by other parties. Therefore, this calculated Return on Investments should not be used to analyze investment performance of the Fund or the performance of the investment professionals.



## VALUATION OF FUND ASSETS

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### Expected Rate of Return on Investments Assumption

The Expected Rate of Return on Investments for this valuation is 6.50%. Lauterbach & Amen, LLP does not provide investment advice. We look at a variety of factors when reviewing the Expected Rate of Return on Investments assumption selected by the client. These factors include: historical Rates of Return on Investments, capital market projections performed by the Consolidated Board's investment advisors, the Consolidated Board's investment policy, capital market forward-looking benchmark expected returns by independent investment companies, rates used by comparable pension systems, and other factors identified in the Actuarial Standards of Practice.

Generally speaking, the ideal assumption for Expected Rate of Return on Investments is one that has a 50% chance of being met over the long-term. Recently, we have observed the following factors that impact Expected Rate of Return on Investments:

- Volatility in the market has been high which drags down long-term geometric returns.
- Similar pension systems are looking to reduce future expectations. We generally see about 95% of similar pension systems using an Expected Rate of Return on Investments that is between 6.00% and 7.25%.
- We have reviewed studies conducted by Firms who gather information from multiple investment advisors who provide models and opinions on capital market returns. Those studies help guide us to see if the assumption is expected to have a 50% chance of being met over the long-term. Plans are generally aiming towards 40<sup>th</sup> to 60<sup>th</sup> percentile returns, which can help define a range of reasonableness.
- We have reviewed an index of high-quality fixed income rates that takes into consideration the pattern of your benefit payments. The purpose of the review is to provide additional disclosure in Funding Actuarial Valuations for the Low-Default-Risk Obligation Measure. The rates in this measure are low-risk and are being used as an approximate for risk-free rates. Investment funds that incorporate diversified investments which build in more risk would be expected to earn a positive risk premium, over and above the risk-free rates.



## *VALUATION OF FUND ASSETS*

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If actual returns going forward come in less than expected, the pension system risks deferring contributions to the future that should be made today and creating additional contribution volatility. Below is a chart detailing the impact on the Recommended Contribution by decreasing or increasing the Expected Rate of Return on Investments by 25 basis points:

	<b>0.25% Decrease (6.25%)</b>	<b>Current Expected Rate of Return on Investments (6.50%)</b>	<b>0.25% Increase (6.75%)</b>
Recommended Contribution	\$1,099,165	\$1,031,560	\$966,604

Currently, the client has selected an Expected Rate of Return assumption that falls within a reasonable range. We recommend the client review the Expected Rate of Return on Investments annually to ensure the selected rate remains within a reasonable range as market conditions change year-to-year.

“Investment Risk” is the potential that the actual Return on Investments will be different from what is expected. The selected Expected Rate of Return on Investments assumption is chosen to be a long-term assumption, producing a return that, on average, would produce a stable rate of return over a long-term horizon. Actual investment returns in the short-term may deviate from this long-term assumption due to current market conditions. Furthermore, establishing the Expected Rate of Return on Investments assumption may be dependent on the Illinois State Statutes pertaining to the limitations on types of investments Plan Sponsors may use. If the actual annual rates of return are less than the Expected Rate of Return on Investments, actuarial losses will be produced, thus increasing the Plan’s Unfunded Liability and, subsequently, future Recommended Contributions.

“Asset/Liability Mismatch” risk is a similar concept as Investment Risk, as it relates to setting the Expected Rate of Return on Investments assumption compared to the actual Return on Investments achieved. The Interest Rate used to discount future Plan liabilities is set equal to the Expected Rate of Return on Investments. It is expected that the selected Interest Rate be a rate that is reasonably expected to be achieved over the long-term. To the extent that the selected Interest Rate to value Plan liabilities is unreasonable, or significantly different than the actual Return on Investments earned over an extended period of time, additional Interest Rate risk is created. For example, determining Plan liabilities at an Interest Rate higher than what is expected to be achieved through investment returns results in Unfunded Liability that is not a true representation of the Plan’s condition and Percent Funded. As a result, the Actuarial Accrued Liability determined is an amount smaller than the liability that would be produced with an Interest Rate more indicative of future Expected Rate of Return on Investments. Therefore, the Recommended Contributions under the established Funding Policy may not be sufficient to appropriately meet the true pension obligations.





## RECOMMENDED CONTRIBUTION DETAIL

Actuarial Accrued Liability  
Funded Status  
Development of the Employer Normal Cost  
Normal Cost as a Percentage of Expected Payroll  
Recommended Contribution Breakdown  
Schedule of Amortization – New Unfunded Actuarial Accrued Liability  
Schedule of Amortization – Total Unfunded Actuarial Accrued Liability  
Actuarial Methods – Recommended Contribution

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## *RECOMMENDED CONTRIBUTION DETAIL*

### ACTUARIAL ACCRUED LIABILITY

	Prior Valuation	Current Valuation
Active Members	\$ 5,130,792	\$ 5,042,819
Inactive Members		
Terminated Members	923,768	1,028,107
Retired Members	10,337,678	11,084,148
Disabled Members	2,597,728	2,586,082
Other Beneficiaries	363,886	356,383
Total Inactive Members	14,223,060	15,054,720
Total Actuarial Accrued Liability	\$ 19,353,852	\$ 20,097,539

*The Total Actuarial  
Accrued Liability  
has Increased by  
Approximately  
\$743,700 from the  
Prior Valuation.*

### FUNDED STATUS

	Prior Valuation	Current Valuation
Total Actuarial Accrued Liability	\$ 19,353,852	\$ 20,097,539
Total Actuarial Value of Assets	10,454,869	11,143,159
Unfunded Actuarial Accrued Liability	\$ 8,898,983	\$ 8,954,380
Total Fair Value of Assets	\$ 9,834,151	\$ 10,798,847
<u>Percent Funded</u>		
Actuarial Value of Assets	<u>54.02%</u>	<u>55.45%</u>
Fair Value of Assets	<u>50.81%</u>	<u>53.73%</u>

*The Percent Funded  
as of the Actuarial  
Valuation Date is  
Subject to Volatility  
on Assets and  
Liability in the  
Short-Term.*



## *RECOMMENDED CONTRIBUTION DETAIL*

### DEVELOPMENT OF THE EMPLOYER NORMAL COST

	Prior Valuation	Current Valuation
Total Normal Cost	\$ 424,985	\$ 428,433
Estimated Member Contributions	(154,970)	(158,770)
Employer Normal Cost	<u>\$ 270,015</u>	<u>\$ 269,663</u>

*At a 100%  
Funding Level,  
the Normal Cost  
Contribution is  
Still Required.*

### NORMAL COST AS A PERCENTAGE OF EXPECTED PAYROLL

	Prior Valuation	Current Valuation
Expected Payroll	<u>\$ 1,589,187</u>	<u>\$ 1,628,150</u>
Member Normal Cost Rate	<u>9.910%</u>	<u>9.910%</u>
Employer Normal Cost Rate	<u>16.83%</u>	<u>16.40%</u>
Total Normal Cost Rate	<u>26.74%</u>	<u>26.31%</u>

*Ideally, the  
Employer  
Normal Cost  
Rate will Remain  
Stable.*

### RECOMMENDED CONTRIBUTION BREAKDOWN

	Prior Valuation	Current Valuation
Employer Normal Cost*	\$ 287,566	\$ 287,191
Amortization of Unfunded Accrued Liability/(Surplus)	<u>706,193</u>	<u>744,369</u>
Recommended Contribution	<u>\$ 993,759</u>	<u>\$ 1,031,560</u>

*The  
Recommended  
Contribution has  
Increased by  
3.80% from the  
Prior Valuation.*

\*Employer Normal Cost Contribution includes interest through the end of the Fiscal Year.



## *RECOMMENDED CONTRIBUTION DETAIL*

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### SCHEDULE OF AMORTIZATION – NEW UNFUNDED ACTUARIAL ACCRUED LIABILITY

Below is the schedule of remaining amortization balances for the new Unfunded Liability incurred in the current year.

<b>Unfunded Liability Base</b>	<b>Initial Balance</b>	<b>Date Established</b>	<b>Current Balance</b>	<b>Years Remaining</b>	<b>Payment</b>
Investment (Gain)/Loss	\$ 167,444	4/30/2024	\$ 167,444	16	\$ 13,919
Actuarial (Gain)/Loss	(61,186)	4/30/2024	(61,186)	16	(5,086)
Contribution Experience	<u>\$ 76,898</u>	4/30/2024	<u>\$ 76,898</u>	16	<u>\$ 6,392</u>
Total	<u><b>\$ 183,156</b></u>		<u><b>\$ 183,156</b></u>		<u><b>\$ 15,225</b></u>

The Actuarial (Gain)/Loss can be attributable to several factors including, but not limited to, demographic changes, Employer Contribution timing, Member Contribution experience, benefit payment experience, and salary increase experience compared to expectation.



## *RECOMMENDED CONTRIBUTION DETAIL*

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### SCHEDULE OF AMORTIZATION – TOTAL UNFUNDED ACTUARIAL ACCRUED LIABILITY

Below is the schedule of remaining amortization balances for the Unfunded Liability incurred in the current and prior years.

<b>Unfunded Liability Base</b>	<b>Initial Balance</b>	<b>Date Established</b>	<b>Current Balance</b>	<b>Years Remaining</b>	<b>Payment</b>
FYE 4/30/2024	\$ 183,156	4/30/2024	\$ 183,156	16	\$ 15,225
FYE 4/30/2023	474,480	4/30/2023	467,671	16	38,877
FYE 4/30/2022	69,082	4/30/2022	67,340	16	5,598
FYE 4/30/2021	903,185	4/30/2021	873,343	16	72,600
FYE 4/30/2020	<u>\$ 7,655,398</u>	4/30/2020	<u>\$ 7,362,870</u>	16	<u>\$ 612,069</u>
Total	<u>\$ 9,285,301</u>		<u>\$ 8,954,380</u>		<u>\$ 744,369</u>

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## *RECOMMENDED CONTRIBUTION DETAIL*

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### ACTUARIAL METHODS – RECOMMENDED CONTRIBUTION

Actuarial Valuation Date	May 1, 2024
Data Collection Date	April 30, 2024
Actuarial Cost Method	Entry Age Normal (Level % Pay)
Amortization Method	Level % Pay (Closed)
Amortization Target	100% Funded Over 16 Years
Asset Valuation Method	5-Year Smoothed Fair Value

The above methods constitute a sound Actuarially Determined Contribution under the parameters of Actuarial Standards of Practice.

The contributions and benefit values of the Pension Fund are calculated by applying actuarial assumptions to the benefit provisions and demographic data furnished, using the Actuarial Cost Method described. The Actuarial Cost and Amortization Methods allocate the projected obligations of the Plan over the working lifetimes of the Plan Members.

The Recommended Contribution amount shown in this report is based on the methods summarized above. The *Actuarial Funding Policies* section of this report includes a more detailed description of the Actuarial Funding Methods being used.

The Actuarial Funding Methods are meant to provide a systematic process for determining contributions on an annual basis. The methods do not impact the expectation of future benefit payments. The methods only impact the way contributions are made towards future benefit payments.

Different Actuarial Funding Methods may achieve funding goals with differing levels of success. Certain methods are more efficient and more stable on an annual basis.

In the current valuation, the Plan Sponsor has elected to use a 10% corridor in the determination of the Actuarial Value of Assets for both the Recommended and Alternative Contributions. In the event that the Actuarial Value of Assets exceeds 110% of the Fair Value of Assets or falls below 90% of the Fair Value of Assets, the excess gains or losses will be recognized immediately.





## ALTERNATIVE CONTRIBUTION

Alternative Contribution  
Funded Status – Alternative Contribution  
Actuarial Methods – Alternative Contribution

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## *ALTERNATIVE CONTRIBUTION*

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### ALTERNATIVE CONTRIBUTION

	<u>Prior Valuation</u>	<u>Current Valuation</u>
Alternative Contribution	\$833,421	\$862,969
Expected Payroll	\$1,589,187	\$1,628,150
Alternative Contribution as a Percent of Expected Payroll	52.44%	53.00%

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### FUNDED STATUS – ALTERNATIVE CONTRIBUTION

	<u>Prior Valuation</u>	<u>Current Valuation</u>
Normal Cost	\$379,602	\$382,528
Fair Value of Assets	\$9,834,151	\$10,798,847
Actuarial Value of Assets	\$10,454,869	\$11,143,159
Actuarial Accrued Liability	\$19,936,042	\$20,730,648
Unfunded Actuarial Accrued Liability/(Surplus)	\$9,481,173	\$9,587,489
<u>Percent Funded</u>		
Actuarial Value of Assets	52.44%	53.75%
Fair Value of Assets	49.33%	52.09%

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## *ALTERNATIVE CONTRIBUTION*

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The Alternative Contribution is based on Actuarial Funding Methods and funding parameters outlined in the Illinois State Statutes for pension funding. The resulting contribution is lower than the Recommended Contribution for the current year. The Alternative Contribution amount is not recommended because it represents only a deferral of contributions when compared to the Recommended Contribution method.

Actuarial Funding Methods for pensions are best applied to provide a balance between the long-term goals of a variety of stakeholders:

1. Members – the Members are interested in benefit security and having the funds available to pay benefits when retired
2. Employers – cost control and cost stability over the long-term
3. Taxpayers – paying for the services they are receiving from active Members

The Alternative Contribution methods are not intended to provide a better system in any of the above categories long-term. The parameters are not recommended for a long-term funding strategy.

The funding methods and parameters put into place in the Illinois State Statutes in 2011 were intended to provide short-term budget relief for Employer Contributions. An Employer using the parameters outlined in the Illinois State Statutes for current funding should view the contributions as short-term relief. Our recommendation in this situation is for a Pension Fund and an Employer to work towards a long-term funding strategy that better achieves the long-term funding goals, over a period that does not exceed 3-5 years.

The Securities and Exchange Commission in 2013 used the phrase “Statutory Underfunding” to describe situations where contributions appear to be more manageable in the short-term, but set up future Recommended Contributions that are less likely to be manageable.



## *ALTERNATIVE CONTRIBUTION*

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### ACTUARIAL METHODS – ALTERNATIVE CONTRIBUTION

Actuarial Valuation Date	May 1, 2024
Data Collection Date	April 30, 2024
Actuarial Cost Method	Projected Unit Credit
Amortization Method	Level % Pay (Closed)
Amortization Target	90% Funded Over 16 Years
Asset Valuation Method	5-Year Smoothed Fair Value

The contribution and benefit values of the Pension Fund are calculated by applying actuarial assumptions to the benefit provisions and demographic data furnished, using the Actuarial Cost Method described. The Actuarial Cost and Amortization methods allocate the projected obligations of the Plan over the working lifetimes of the Plan Members.

The Actuarial Funding Methods are meant to provide a systematic process for determining contributions on an annual basis. The methods do not impact the expectation of future benefit payments. The methods only impact the way contributions are made towards future benefit payments.

Different Actuarial Funding Methods may achieve funding goals with differing levels of success. Certain methods are more efficient and more stable on an annual basis.

The guidelines in the Illinois State Statutes for pension funding are silent on the use of a corridor on the Fair Value of Assets in determination of the Actuarial Value of Assets. In the current valuation, the Plan Sponsor has elected to use a 10% corridor in the determination of the Actuarial Value of Assets for both the Alternative Contribution and the Recommended Contribution. In the event that the Actuarial Value of Assets exceeds 110% of the Fair Value of Assets or falls below 90% of the Fair Value of Assets, the excess gains or losses will be recognized immediately.





## ACTUARIAL VALUATION DATA

Active Members  
Inactive Members  
Summary of Monthly Benefit Payments  
Age and Service Distribution

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## *ACTUARIAL VALUATION DATA*

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### ACTIVE MEMBERS

	Prior Valuation	Current Valuation
Tier I	9	8
Tier II	9	10
Total Active Members	18	18
Total Payroll	\$ 1,563,776	\$ 1,602,116

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### INACTIVE MEMBERS

	Prior Valuation	Current Valuation
Terminated Members	4	6
Retired Members	10	11
Disabled Members	4	4
Other Beneficiaries	1	1
Total Inactive Members	19	22

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### SUMMARY OF MONTHLY BENEFIT PAYMENTS

	Prior Valuation	Current Valuation
Retired Members	\$ 47,861	\$ 53,463
Disabled Members	16,677	17,022
Other Beneficiaries	2,822	2,822
Total Inactive Members	\$ 67,360	\$ 73,306

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## ACTUARIAL VALUATION DATA

### AGE AND SERVICE DISTRIBUTION

5/1/2024 Age and Service Distribution - Tier 1 Tier 2 Active Members												
Age	Service	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up	Total
Under 25		0 1										0 1
25 to 29												
30 to 34		0 2	0 1	0 2								0 5
35 to 39			0 1	0 1								0 2
40 to 44							1 0					1 0
45 to 49			1 0	0 1			3 0					4 1
50 to 54			2 0		1 0							3 0
55 to 59			0 1									0 1
60 to 64												
65 to 69												
70 & up												
<b>Total</b>		<b>0 3</b>	<b>3 3</b>	<b>0 4</b>	<b>1 0</b>		<b>4 0</b>					<b>8 10</b>

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## ACTUARIAL FUNDING POLICIES

Actuarial Cost Method  
Financing Unfunded Actuarial Accrued Liability  
Actuarial Value of Assets

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# *ACTUARIAL FUNDING POLICIES*

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## **ACTUARIAL COST METHOD**

The Actuarial Cost Method allocates the projected obligations of the Plan over the working lifetimes of the Plan Members.

In accordance with the Pension Fund's Funding Policy, the Actuarial Cost Method for the Recommended Contribution basis is Entry Age Normal (Level Percent of Pay). The Entry Age Normal Cost Method is a method under which the Actuarial Present Value of the projected benefits of each individual included in an Actuarial Valuation is allocated on a level basis over the earnings or service of the individual between entry age and assumed exit age. The portion of this Actuarial Present Value allocated to a valuation year is called Normal Cost. The portion of the Actuarial Present Value not provided at an Actuarial Valuation Date by the Actuarial Present Value of future Normal Costs is called the Actuarial Accrued Liability.

The Entry Age Normal method attempts to create a level cost pattern. In contrast to other Actuarial Cost Methods which inherently lead to uneven or less predictable cost patterns, the Entry Age Normal method is generally understood to be less risky in terms of contribution stability from year to year.

The Conference of Consulting Actuaries Public Plans Community produced a "white paper" detailing Funding Policy model practices for public sector pension plans. Under the Level Cost Actuarial Methodology ("LCAM"), one of the principal elements to a Funding Policy is the Actuarial Cost Method. When deciding which Actuarial Cost Method to use, several objectives may be considered, such as the following:

- Each Member's benefit should be funded under a reasonable allocation method by the expected retirement date
- Pay-related benefit costs should reflect anticipated pay at retirement
- The expected cost of each year of service (i.e. Normal Cost) for each active Member should be reasonably related to the expected cost of that Member's benefit
- The Member's Normal Cost should emerge as a level percent of Member compensation
- No gains or losses should occur if all assumptions are met.

Following these criteria, the use of the Entry Age Normal Cost Method (Level Percent of Pay) is a model practice.

## **FINANCING UNFUNDED ACTUARIAL ACCRUED LIABILITY**

The Unfunded Actuarial Accrued Liability may be amortized over a period either in level dollar amounts or as a level percentage of payroll.

When amortizing the Unfunded Actuarial Accrued Liability as a level percentage of payroll, additional risk is incurred since the amortization payments in the early years of the payment period may not be large enough to cover the interest accrued on the existing Unfunded Liability. As a result, the Unfunded Liability



## ACTUARIAL FUNDING POLICIES

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may increase initially, before the amortization payments grow large enough to cover all interest accruals. Generally speaking, the Plan Sponsor will be required to contribute a larger total contribution amount over the course of the funding period under a level percentage of payroll basis as compared to a level dollar payroll schedule.

The Government Finance Officers Association notes that best practices in public pension finance include utilizing amortization periods that do not exceed 20 years. Longer amortization periods elevate the risk of failing to reduce any Unfunded Liability. For example, when the amortization payment in full only covers interest on the Unfunded Liability, but does not reduce the existing Unfunded Liability, the required contribution will increase in future years.

A second principal element under the Level Cost Actuarial Methodology described above is to establish an Amortization Policy that determines the length of time and the structure of the increase or decrease in contributions required to systematically fund the Unfunded Actuarial Accrued Liability. When deciding on the Amortization Policy, several objectives may be considered, such as the following:

- Variations in the source of liability changes (i.e. gains or losses, Plan changes, assumption changes) should be funded over periods consistent with an appropriate balance between the policy objectives of demographic matching and volatility management
- The cost changes in Unfunded Actuarial Accrued Liability should emerge as a level percentage of Member compensation

The LCAM model practices for the Amortization Policy include the following:

- Layered fixed period amortization by source
- Level percent of pay amortization
- An amortization period ranging from 15-20 years for experience gains or losses
- An amortization period of 15-25 years for assumption changes

In accordance with the Pension Fund's Funding Policy for the Recommended Contribution, the Unfunded Actuarial Accrued Liability is amortized by level percent of payroll contributions to a 100% funding target over the remaining 16 years. See the *Actuarial Methods – Recommended Contribution* section of this report for more detail.

We believe that the amortization period is appropriate for the purpose of this valuation.



## *ACTUARIAL FUNDING POLICIES*

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### **ACTUARIAL VALUE OF ASSETS**

The Pension Fund is an ongoing plan. The Employer wishes to smooth the effect of volatility in the Fair Value of Assets on the annual contribution. Therefore, the Actuarial Value of Assets is equal to the Fair Value of Assets with unanticipated gains/losses recognized over a five-year period.

The Asset Valuation Method is intended to create an Actuarial Value of Assets that remains reasonable in relation to the Fair Value of Assets over time. The method produces results that can fall either above or below the Fair Value of Assets. The period of recognition is short.

It is intended that the period of recognition is short enough to keep the Actuarial Value of Assets within a decent range of the Fair Value of Assets. In the event that the Actuarial Value of Assets exceeds or falls below a 10% corridor of the Fair Value of Assets, the additional gain or loss will be recognized immediately.

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## ACTUARIAL ASSUMPTIONS

Nature of Actuarial Calculations  
Selection of Actuarial Assumptions  
Actuarial Assumptions in the Valuation Process  
Assessment of Risk Exposures  
Limitations of Risk Analysis  
Assessment and Use of Actuarial Models  
Actuarial Assumptions Utilized

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# *ACTUARIAL ASSUMPTIONS*

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## **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. Certain Plan Provisions may be approximated or deemed immaterial, and, therefore, are not valued. Assumptions may be made about demographic data or other factors. Reasonable efforts were made in this valuation to ensure that significant items in the context of the Actuarial Accrued Liability or costs are treated appropriately, and not excluded or included inappropriately.

Actual future experience will differ from the assumptions used in the calculations. As these differences arise, the expense for accounting purposes will be adjusted in future valuations to reflect such actual experience.

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 only and should not imply precision which is not inherent in actuarial calculations.

## **SELECTION OF ACTUARIAL ASSUMPTIONS**

Actuaries and other service providers provide guidance to their clients in the selection of assumptions used in the Actuarial Valuation based on their industry-specific training and experience. The Actuaries' expertise is used in the determination of demographic assumptions as it relates to future expectations of Plan demographic activity, such as mortality, termination, and retirement rates. The selection of economic assumptions, such as Expected Rate of Return on Investments or the assumed inflation rate, is more subjective. Investment advisors and other services providers utilize their expertise and knowledge of capital markets to model future expectations. Some assumptions may have an influence on other assumptions. The role of the Actuary in the selection of the economic assumptions is to review available market information including historical economic information and forward-looking capital market projections from investment professionals and to assess whether or not sufficient backup exists to deem the assumption reasonable. The selection of economic assumptions is the responsibility of the client. For example, the inflation rate (an economic assumption) may directly correlate to the active member salary increase assumption (a demographic assumption). Once all demographic and economic assumptions have been determined, the Actuary will create various sets of assumptions which take into account the proposed assumptions individually and in the aggregate. The client will then make the final decision of which assumption set to use.



## ACTUARIAL ASSUMPTIONS

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### ACTUARIAL ASSUMPTIONS IN THE VALUATION PROCESS

The contributions and benefit values of the Pension Fund are calculated by applying actuarial assumptions to the benefit provisions and demographic data furnished, using the Actuarial Cost Method described in the *Actuarial Funding Policies* section of this report.

The principal areas of financial risk which require assumptions about future experience are:

- Expected Rate of Return on Investments
- Patterns of Pay Increases for Members
- Rates of Mortality Among Active and Inactive Members
- Rates of Termination Among Active Members
- Rates of Disability Among Active Members
- Age Patterns of Actual Retirements

Actual experience of the Pension Fund will not coincide exactly with assumed experience. Each valuation provides a complete recalculation of assumed future experience and takes into account all past differences between assumed and actual experience. The result is a continual series of adjustments to the computed Recommended Contribution.

Details behind the selection of the actuarial assumptions can be found in the Actuarial Assumption Summary document provided to the client upon request. The client has reviewed and approved the assumptions as a reasonable expectation of the future anticipated experience under the Plan.



# ACTUARIAL ASSUMPTIONS

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## ASSESSMENT OF RISK EXPOSURES

From time to time it becomes appropriate to modify one or more of the assumptions, to reflect experience trends (but not random year-to-year fluctuations). In addition, Actuarial Standards of Practice require that the Actuary minimally perform a qualitative assessment of key financial and demographic risks as part of the risk assessment process with each annual Actuarial Valuation. The risk assessments we perform include, but are not limited to, the following:

- Periodic demographic experience studies every 3 to 5 years to confirm the ongoing appropriateness of actuarial assumptions
- Highlight the impact of demographic experience over the past year, as well as other sources of change and volatility in the *Actuarial Recommended Contribution – Reconciliation* section of this report
- Detail year-over-year changes in contribution levels, assets, liabilities, and Funded Status in the *Recommended Contribution* and *Funded Status* sections in the *Management Summary* section of this report
- Review any material changes in the demographic data as summarized in the *Actuarial Valuation Data* section of this report
- Provide and discuss the Actuarial Assumption Summary document highlighting the rationale for each key assumption chosen by the client
- Identify potential Cash Flow Risk by highlighting expected benefit payments over the next 5-year and 10-year periods in the *Asset Growth* section in the *Management Summary* section of this report
- Describe the impact of any assumption, method, or policy change in the *Management Summary* section of this report
- Utilize supplemental information, such as the GASB Discount Rate sensitivity disclosures to understand, for example, what impact an alternative Expected Rate of Return on Investments assumption might have on the estimation of Actuarial Accrued Liability and Funded Status
- Utilize supplemental information, such as the GASB solvency test, to better understand the Cash Flow Risk and long-term sustainability of the Plan

## LIMITATIONS OF RISK ANALYSIS

Since future experience may never be precisely as assumed, the process of selecting funding methods and actuarial assumptions may inherently create risk and volatility of results. A more detailed evaluation of the above risk exposures is beyond the scope and nature of the annual Actuarial Valuation process. For example, scenario tests, sensitivity tests, stress tests, and/or stochastic modeling for multi-year projections to assess the impact of alternative assumptions and methods, or modeling future experience different from the assumptions in these results, are not included in this Actuarial Valuation.

The Lake Villa Police Pension Fund and/or the Village of Lake Villa, Illinois should contact the Actuary if they desire a more detailed assessment of any of these forward-looking risk exposures.



# ACTUARIAL ASSUMPTIONS

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## ASSESSMENT AND USE OF ACTUARIAL MODELS

Actuarial Valuations rely upon the use of actuarial modeling software to predict the occurrence of future events, which include specific demographic and financial potential outcomes. Actuarial assumptions are established to provide a guideline to use for such modeling.

- The model used in this Actuarial Valuation is intended to determine the Recommended Contribution, under the selected Funding Policy. The actuarial assumptions used were developed with this goal in mind.
- There are no known material limitations or inconsistencies among the actuarial assumptions or methods.
- The output from the model is reasonable based on the individual actuarial assumptions and based on the actuarial assumptions in the aggregate.
- The actuarial software used to calculate plan liabilities has been purchased from an outside vendor. We have performed thorough testing of the software, including review of sample participants, to ensure the intended purpose of the model, the operation of the model, sensitivities and dependencies, and strengths and limitations of the model are sufficient for this purpose.
- Demographic data and financial information have been provided by client professionals, financial advisors, and/or auditors, who are known to be experts in their respective fields. We rely on the fact that the information provided by these experts has been given for the intended purpose of this Actuarial Valuation.
- Where applicable, certain actuarial assumptions and Funding Policy may be required as prescribed by law. In such instances, we have followed legal guidance to ensure conformity.
- The Expected Rate of Return on Investments assumption has been chosen using input from several sources; including, but not limited to: client professionals, financial advisors, auditors, and other capital market outlooks. We have relied on the information provided, in the aggregate, to settle on the selected Expected Rate of Return on Investments assumption.

As stated in the *Limitations of Risk Analysis* section, future experience may never be precisely as assumed. As a result, the funding methods and actuarial assumptions used in the model may create volatility in the results when compared year after year. A more detailed evaluation of this volatility is beyond the scope and nature of the annual Actuarial Valuation process. In such cases, additional scenario tests, sensitivity tests, stress tests, and/or stochastic modeling for multi-year projections to assess the impact of alternative assumptions and methods, or modeling future experience different from the assumptions in these results, may be performed to determine a range of reasonable results.



# ACTUARIAL ASSUMPTIONS

## ACTUARIAL ASSUMPTIONS UTILIZED

<b>Expected Rate of Return on Investments</b>	6.50% Net of Administrative Expense
<b>CPI-U</b>	2.25%
<b>Total Payroll Increases</b>	3.25%
<b>Individual Pay Increases*</b>	3.75% - 18.26%

Individual pay increases include a long-term average increase for inflation, average annual increases for promotions, and any additional increases for a step program. Sample rates are as follows:

Service	Rate	Service	Rate
0	5.15%	8	3.75%
1	7.31%	9	3.75%
2	7.22%	10	3.75%
3	7.17%	15	3.75%
4	6.24%	20	3.75%
5	18.26%	25	3.75%
6	6.23%	30	3.75%
7	3.75%	35	3.75%

\*Individual pay increases for active Members hired at age 40 or older are assumed annual increases at the ultimate rate reduced by 50 basis points, without adjustments in early service years.



## *ACTUARIAL ASSUMPTIONS*

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### **Retirement Rates**

100% of the L&A Assumption Study for Police 2020 Cap Age 65.  
Sample rates are as follows:

Age	Rate	Age	Rate
50	11.00%	58	16.25%
51	11.55%	59	16.25%
52	12.13%	60	16.25%
53	12.73%	61	16.25%
54	13.37%	62	18.00%
55	14.04%	63	20.00%
56	14.74%	64	20.00%
57	15.48%	65	100.00%

### **Termination Rates**

100% of the L&A Assumption Study for Police 2020. Sample rates are as follows:

Age	Rate	Age	Rate
25	8.00%	40	2.17%
30	3.40%	45	1.56%
35	2.79%	50	0.46%

### **Disability Rates**

100% of the L&A Assumption Study for Police 2020. Sample rates are as follows:

Age	Rate	Age	Rate
25	0.00%	40	0.38%
30	0.06%	45	0.53%
35	0.18%	50	0.48%

65% of active Members who become disabled are assumed to be in the Line of Duty.



## ACTUARIAL ASSUMPTIONS

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### Mortality Rates

Active Mortality follows the Sex Distinct Raw Rates as developed in the PubS-2010(A) Study. Mortality improvement uses MP-2019 Improvement Rates applied on a fully generational basis.

50% of active Member deaths are assumed to be in the Line of Duty.

Retiree Mortality follows the L&A Assumption Study for Police 2020. These rates are experience weighted with the Sex Distinct Raw Rates as developed in the PubS-2010(A) Study improved to 2017 using MP-2019 Improvement Rates. These rates are then improved fully generationally using MP-2019 Improvement Rates.

Disabled Mortality follows the Sex Distinct Raw Rates as developed in the PubS-2010 Study for disabled participants. Mortality improvement uses MP-2019 Improvement Rates applied on a fully generational basis.

Spouse Mortality follows the Sex Distinct Raw Rates as developed in the PubS-2010(A) Study for contingent survivors. For all rates not provided there (ages 45 and younger) the PubG-2010 Study for general employees was used. Mortality improvement uses MP-2019 Improvement Rates applied on a fully generational basis.

### Marital Assumptions

*Active Members:* 80% of active Members are assumed to be married. Female spouses are assumed to be 3 years younger than male spouses.

*Retiree and Disabled Members:* Actual spousal data was utilized for retiree and disabled Members.





## LOW-DEFAULT-RISK OBLIGATION MEASURE

Low-Default-Risk Obligation Measure – Purpose  
Low-Default-Risk Obligation Measure  
Low-Default-Risk Obligation Measure vs Actuarial Liability

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## LOW-DEFAULT-RISK OBLIGATION MEASURE

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### LOW-DEFAULT-RISK OBLIGATION MEASURE - PURPOSE

The Pension Committee of the Actuarial Standards Board adopted changes to Actuarial Standards of Practice No. 4 (“ASOP 4”). ASOP 4 is titled “Measuring Pension Obligations and Determining Pension Plan Costs or Contributions”. The changes were adopted by the Actuarial Standards Board in December 2021 and are effective for reporting and Measurement Dates on or after February 15, 2023.

One change is the requirement for all Funding Actuarial Valuations to include a Low-Default-Risk Obligation Measure (“LDROM”). In its simplest form, the LDROM is a measure of Actuarial Liability determined using a low-risk Expected Rate of Return on Investments. The LDROM is not intended to replace the Actuarial Liability used to determine the Recommended Contribution amount calculated in this report. The intention is to provide additional information on the Funded Status of the Plan and benefit security.

The Low-Default-Risk Obligation Measure is shown below as of the Measurement Date. The discussion that follows provides more information on the assumptions and methods used to determine the LDROM and some interpretation of the results.

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### LOW-DEFAULT-RISK OBLIGATION MEASURE

	<u>Current Valuation</u>
Low-Default-Risk Obligation Measure	\$ 22,867,998
Fair Value of Assets	<u>10,798,847</u>
Obligation not Covered by Current Assets	<u>\$ 12,069,151</u>

*The Low-Default-Risk  
Obligation Measure is Not  
Intended to Replace the  
Actuarial Liability Used to  
Determine the Recommended  
Contribution.*

The Obligation not Covered by Current Assets shown above is for illustration of the Low-Default-Risk Obligation Measure only and is not intended for any other purposes. The amount of Obligation not Covered by Current Assets should not be used for pension funding or financial statement reporting purposes. In addition, the Obligation not Covered by Current Assets amount should not be used for any other assessments related to pension funding, such as assessing Unfunded Liability for the purpose of issuing Pension Obligation Bonds. Discussion of any of these items should be handled separately.



## ***LOW-DEFAULT-RISK OBLIGATION MEASURE***

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### Selection of the Discount Rate

Under Actuarial Standards, a Discount Rate should be selected from a source that develops the rate using low-default-risk fixed income securities. In addition, the fixed income securities should be reasonably consistent with the pattern of expected benefit payments from the Fund.

The Low-Default-Risk Obligation Measure has been valued using the FTSE Pension Discount Curve. The FTSE Pension Discount Curve is determined using rates from corporate bonds that are rated AA (from the FTSE U.S. Broad Investment Grade Bond Index) and yields from the FTSE Russell's Treasury model curve. The result is a set of investment grade zero coupon bond rates with maturities from 6 months to 30 years.

The equivalent single discount rate that would produce the same liability as the FTSE Pension Discount Curve is 5.55%.

There are other indices constructed that are appropriate for this disclosure as well. They could produce Discount Rates that are higher or lower than the LDROM shown here. An increase/decrease in the discount rate of 50 basis points (0.50%) would decrease/increase the LDROM by (6.68%)/7.44%, respectively. In our opinion, the FTSE Pension Discount Curve meets the requirements of the disclosure of the LDROM. The curve is constructed using investment grade corporate bonds. In addition, the rates are updated monthly and the current rates used (as of the Measurement Date of this report) are reflective of current market conditions. Finally, the use of a yield curve as opposed to a single rate allows the flexibility for the LDROM to be determined in a manner consistent with the pattern of expected benefit payments.

The Discount Rate is intended for the current Measurement Date only. In order to stay consistent with the prevailing market conditions, the Discount Rate will be assessed and updated each year at each new Measurement Date.

### Selection of the Actuarial Cost Method

The Standard requires the use of an immediate-gain Actuarial Cost Method. We have elected to use the Entry Age Normal cost method for measurement of the LDROM. Entry Age Normal is being applied on a percent of pay basis. The Cost Method is the same method used for the determination of the Recommended Contribution in this report.

Other immediate-gain Actuarial Cost Methods are available and acceptable for use in the determination of the LDROM. Other acceptable methods include benefits-based methods and accrued benefit methods. We selected the Entry Age Normal method due to the fact that benefit liability in this Fund is not typically settled with one-time payments. For example, the Plan does not pay lump sums (except refunds of Member Contributions) and is not anticipated to settle liability through the purchase of annuity contracts. Therefore, the usefulness of a benefits-based method is much more limited in interpretation of this measure as it relates to benefit security.



## LOW-DEFAULT-RISK OBLIGATION MEASURE

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### Interpretation of the LDROM

The Low-Default-Risk Obligation Measure is higher than the liability used for the Recommended Contribution determination by \$2,770,459.

Actuarial Liability is determined in different ways based on the purpose of the measurement. The Actuarial Liability for Recommended Contribution purposes is used to develop a contribution amount that, when combined with other sources of funding (including Member Contributions and expected investment returns), would pay all future expected benefits. The expected investment returns under this scenario are based on the current asset allocation and capital market expectations of the Fund. Assets are invested in a way that involves risk. Actual returns can vary significantly year-to-year above and below expectations. The trade-off is a risk-premium over the long-term and above low-risk market rates.

The LDROM, by contrast, is developed using low-risk returns available in the market. These returns could be obtained theoretically with low-risk of deviation from expectation, and lower expectation (i.e. there is no risk-premium). The LDROM, then, can be thought of as the amount of money that should be set aside today to appropriately fund and prepare for all future benefit payments, if the assets were invested in relatively low volatility assets available in the market today.

The expected decrease in the liability for funding purposes as compared to the LDROM can be thought of as cost savings from investing in riskier assets, with higher long-term return expectations. At the same time, this difference also represents a risk factor for the Pension Fund as the Fund is reliant on receiving the expected return on investments, including a risk premium. Contributions, combined with these investment returns, are required in order to fund future benefit payments.

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### LOW DEFAULT RISK OBLIGATION MEASURE VS ACTUARIAL LIABILITY

	Current Valuation
Low-Default-Risk Obligation Measure	\$ 22,867,998
Actuarial Accrued Liability (Entry Age Normal)	20,097,539
Difference	\$ 2,770,459

*The Low-Default-Risk  
Obligation Measure is Not  
Intended to Replace the  
Actuarial Liability Used to  
Determine the Recommended  
Contribution.*





## SUMMARY OF PRINCIPAL PLAN PROVISIONS

Establishment of the Fund  
Administration  
Member Contributions  
Regular Retirement Pension Benefit  
Early Retirement Pension Benefit  
Surviving Spouse Benefit  
Termination Benefit – Vested  
Disability Benefit

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## ***SUMMARY OF PRINCIPAL PLAN PROVISIONS***

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### **ESTABLISHMENT OF THE FUND**

The Police Pension Fund is established and administered as prescribed by “Article 3 – Police Pension Fund – Municipalities 500,000 and Under” of the Illinois Pension Code.

### **ADMINISTRATION**

The Police Pension Fund is administered by a Board of Trustees whose duties are to manage the Pension Fund, determine applications for pensions, authorize payment of pensions, establish rules, pay expenses, and keep records.

### **MEMBER CONTRIBUTIONS**

Members contribute 9.910% of their pensionable salary.

### **REGULAR RETIREMENT PENSION BENEFIT**

#### Tier I

*Eligibility:* Age 50 with at least 20 years of creditable service.

*Benefit:* 50% of final salary for the first 20 years of service, plus an additional 2.5% of final salary for each year of service beyond 20 years of service, and not to exceed 75% of final salary. “Final salary” is based on the police officer’s pensionable salary attached to rank held on the last day of service, unless the pensionable salary was greater at some point within the year prior to the last day of service. If so, the pensionable salary is averaged over the last 12 months.

*Annual Increase in Benefit:* A police officer is entitled to receive an initial increase equal to 1/12 of 3% of the original monthly benefit for each full month that has passed since the pension began. The initial increase date will be the later of the first day of the month after the pensioner turns age 55 or the first day of the month after the benefit date anniversary. Subsequent increases of 3% of the current monthly benefit will be granted every January 1<sup>st</sup> thereafter.



## ***SUMMARY OF PRINCIPAL PLAN PROVISIONS***

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### **REGULAR RETIREMENT PENSION BENEFIT - CONTINUED**

#### **Tier II**

*Eligibility:* Age 55 with at least 10 years of creditable service.

*Benefit:* 2.5% of final average salary for each year of service, and not to exceed 75% of final average salary. "Final average salary" is determined by dividing the total pensionable salary during 48 consecutive months of service within the last 60 months of service in which total pensionable salary was the highest, by the number of months of service in that period (or by dividing the total pensionable salary during 96 consecutive months of service within the last 120 months of service in which total pensionable salary was the highest, by the number of months of service in that period, if greater). Annual salary for this purpose will not exceed the salary cap, indexed by the lesser of 3% or the CPI-U for the 12 months ending with the September preceding each November 1<sup>st</sup>. The salary cap will not decrease.

*Annual Increase in Benefit:* The initial increase date will be the later of the January 1<sup>st</sup> after the pensioner turns age 60 or the January 1<sup>st</sup> after the benefit date anniversary. Subsequent increases will be granted every January 1<sup>st</sup> thereafter. The initial increase and subsequent increases will be the lesser of 3% of the original benefit or ½ of the CPI-U for the 12 months ending with the September preceding each November 1<sup>st</sup>.

### **EARLY RETIREMENT PENSION BENEFIT**

#### **Tier I**

None.

#### **Tier II**

*Eligibility:* Age 50 with at least 10 years of creditable service.

*Benefit:* The regular retirement pension benefit reduced by ½ of 1% for each month that the police officer's age is between 50 and 55.

*Annual Increase in Benefit:* The initial increase date will be the later of the January 1<sup>st</sup> after the pensioner turns age 60 or the January 1<sup>st</sup> after the benefit date anniversary. Subsequent increases will be granted every January 1<sup>st</sup> thereafter. The initial increase and subsequent increases will be the lesser of 3% of the original benefit or ½ of the CPI-U for the 12 months ending with the September preceding each November 1<sup>st</sup>.



## ***SUMMARY OF PRINCIPAL PLAN PROVISIONS***

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### **SURVIVING SPOUSE BENEFIT**

#### **Tier I**

*Eligibility:* Married to an active police officer with at least 8 years of creditable service, a disabled pensioner at the time of death, or a retired pensioner on the last day of service.

*Active Line of Duty Death Benefit:* An eligible surviving spouse is entitled to receive 100% of the police officer's final pensionable salary attached to rank held on the last day of service.

#### *Non-Duty Death Benefit:*

*Disabled or Retired Pensioner:* An eligible surviving spouse is entitled to receive the pensioner's benefit at the time of death.

*Active Member with 20+ Years of Service:* An eligible surviving spouse is entitled to the police officer's eligible benefit at the time of death.

*Active Member with 10-20 Years of Service:* An eligible surviving spouse is entitled to receive 50% of the police officer's pensionable salary attached to rank held on the last day of service, unless the pensionable salary was greater at some point within the year prior to the last day of service. If so, the pensionable salary is averaged over the last 12 months.

*Annual Increase in Benefit:* None.

#### **Tier II**

*Eligibility:* Married to an active police officer with at least 8 years of creditable service, a disabled pensioner at the time of death, or a retired pensioner on the last day of service.

*Active Line of Duty Death Benefit:* An eligible surviving spouse is entitled to receive 100% of the police officer's final pensionable salary attached to rank held on the last day of service.

#### *Non-Duty Death Benefit:*

*Disabled or Retired Pensioner, Active Member with 20+ Years of Service, and Active Member with 10-20 Years of service:* An eligible surviving spouse is entitled to receive the greater of 66⅔% of the police officer's earned pension benefit at the time of death or 54% of the police officer's monthly salary at the time of death.

*Annual Increase in Benefit:* The initial increase date will be the January 1<sup>st</sup> after the surviving spouse turns age 60. Subsequent increases will be granted every January 1<sup>st</sup> thereafter. The initial increase and subsequent increases will be the lesser of 3% of the original benefit or ½ of the CPI-U for the 12 months ending with the September preceding each November 1<sup>st</sup>.



## *SUMMARY OF PRINCIPAL PLAN PROVISIONS*

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### **SURVIVING SPOUSE BENEFIT - CONTINUED**

Public Act 102-0811 passed on May 13, 2022 and is effective as of January 1, 2023 for Article 3 Pension Funds. The Act establishes that a surviving spouse of a deceased police retiree may be eligible for a survivor's pension of up to 15 years of benefit payments if (a) the surviving spouse has attained age 62 and (b) if the police officer was married to the surviving spouse after retirement, and for at least 5 years prior to the officer's death. Previously, there was no survivor's pension for spouses married after retirement. In our opinion, under a prudent interpretation of the provisions, we believe the impact to be de minimis. The legal community has suggested some uncertainty about multiple provisions contained in the Act, and the IDOI Public Pension Division has not provided an interpretation. The client has not made an administrative interpretation as to how the provisions of the Act will impact future surviving spouses. Due to the uncertainty around the interpretation and the expected *de minimis* impact, we have not valued this contingency separately for active Members. However, for any current retirees who were married after retirement and have been married for at least 5 years, as well as any surviving spouses currently in receipt of benefits under this provision, we have valued the liability of the benefit granted.

### **TERMINATION BENEFIT – VESTED**

#### Tier I

*Eligibility:* Age 60 with at least 8 but less than 20 years of creditable service.

*Benefit:* 2.5% of final salary for each year of service. "Final salary" is based on the police officer's pensionable salary attached to rank held on the last day of service, unless the pensionable salary was greater at some point within the year prior to the last day of service. If so, the pensionable salary is averaged over the last 12 months.

*Annual Increase in Benefit:* A police officer is entitled to receive an initial increase equal to 1/12 of 3% of the original monthly benefit for each full month that has passed since the pension began. The initial increase date will be the first day of the month after the benefit date anniversary. Subsequent increases of 3% of the current monthly benefit will be granted every January 1<sup>st</sup> thereafter.

#### Tier II

None.



## ***SUMMARY OF PRINCIPAL PLAN PROVISIONS***

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### **DISABILITY BENEFIT**

#### Tier I

*Eligibility:* Duty or Non-Duty Disability or Occupational Disease Disability with at least 1 day of creditable service.

*Benefit:* For a duty disability or an occupational disease disability with at least 5 years of creditable service, a police officer is entitled to receive the greater of 65% of final salary or the regular retirement pension benefit at the time of disability. For a non-duty disability, a police officer is entitled to receive 50% of their final salary. "Final salary" is based on the police officer's pensionable salary attached to rank held on the last day of service.

*Annual Increase in Benefit:* A police officer is entitled to receive an initial increase equal to 3% of the original monthly benefit for each full year that has passed since the pension began. The initial increase date will be the later of the January 1<sup>st</sup> after following pensioner turns age 60 or the January 1<sup>st</sup> after the benefit date anniversary. Subsequent increases of 3% of the original monthly benefit will be granted every January 1<sup>st</sup> thereafter.

#### Tier II

*Eligibility:* Duty or Non-Duty Disability or Occupational Disease Disability with at least 1 day of creditable service.

*Benefit:* For a duty disability or an occupational disease disability with at least 5 years of creditable service, a police officer is entitled to receive the greater of 65% of final salary or the regular retirement pension benefit at the time of disability. For a non-duty disability, a police officer is entitled to receive 50% of their final salary. "Final salary" is based on the police officer's pensionable salary attached to rank held on the last day of service.

*Annual Increase in Benefit:* The initial increase date will be the later of the January 1<sup>st</sup> after the pensioner turns age 60 or the January 1<sup>st</sup> after the benefit date anniversary. Subsequent increases will be granted every January 1<sup>st</sup> thereafter. The initial increase and subsequent increases will be the lesser of 3% of the original benefit or ½ of the CPI-U for the 12 months ending with the September preceding each November 1<sup>st</sup>.





## GLOSSARY OF TERMS

Glossary of Terms

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## ***GLOSSARY OF TERMS***

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### **GLOSSARY OF TERMS**

***Actuarial Accrued Liability*** – The Actuarial Present Value of future benefits based on Members’ service rendered to the Measurement Date using the selected Actuarial Cost Method. It is that portion of the Actuarial Present Value of Plan benefits and expenses allocated to prior years of employment. It is not provided for by future Normal Costs.

***Actuarial Cost Method*** – The method used to allocate the projected obligations of the Plan over the working lifetimes of the Plan Members.

***Actuarial Value of Assets*** – The value of the assets used in the determination of the Unfunded Actuarial Accrued Liability. The Actuarial Value of Assets is related to the Fair Value of Assets, with adjustments made to spread unanticipated gains and losses for a given year over a period of several years. Actuarial Value of Assets is generally equally likely to fall above or below the Fair Value of Assets, and generally does not experience as much volatility over time as the Fair Value of Assets.

***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.

***Funding Policy*** – A set of procedures for a Pension Fund that outlines the “best practices” for funding the pension benefits based on the goals of the Plan Sponsor. A Funding Policy discusses items such as assumptions, Actuarial Cost Method, assets, and other parameters that will best help the Plan Sponsor meet their goal of working in the best interest of the Plan Members.

***Fair Value of Assets*** – The value of the cash, bonds, securities, and other assets held in the pension trust as of the Measurement Date.

***Normal Cost*** – The present value of future benefits earned by Members during the current Fiscal Year. It is that portion of the Actuarial Present Value of benefits and expenses which is allocated to a valuation year by the Actuarial Cost Method.

***Unfunded Actuarial Accrued Liability*** – The excess of the Actuarial Accrued Liability over the Actuarial Value of Assets. The Unfunded Actuarial Accrued Liability is amortized over a period either in level dollar amounts or as a level percentage of projected payroll.





# Lauterbach & Amen, LLP

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CERTIFIED PUBLIC ACCOUNTANTS

VILLAGE OF LAKE VILLA

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ORDINANCE NO. 2024-10-01

AN ORDINANCE AUTHORIZING  
THE SALE OF SURPLUS PERSONAL PROPERTY  
OWNED BY THE VILLAGE OF LAKE VILLA

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ADOPTED BY THE  
CORPORATE AUTHORITIES

OF THE

VILLAGE OF LAKE VILLA, ILLINOIS

THIS 7<sup>TH</sup> DAY OF OCTOBER, 2024

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Published in pamphlet form by the Corporate Authorities of the Village of Lake Villa, Lake County, Illinois, this 7<sup>th</sup> day of October, 2024

AN ORDINANCE AUTHORIZING  
THE SALE OF SURPLUS PERSONAL PROPERTY  
OWNED BY THE VILLAGE OF LAKE VILLA

WHEREAS, the Village of Lake Villa, Lake County, Illinois (“the Village”) is authorized by 65 ILCS 5/11-76-4 to sell, by various means, surplus personal property which has been determined by a simple majority vote of the Corporate Authorities of the Village to no longer be necessary or useful to the Village; and

WHEREAS, in the opinion of at least simple majority of the Corporate Authorities of the Village, it is no longer necessary, useful, or in the best interest of the Village to retain ownership of the surplus personal property hereinafter described; and

WHEREAS, it has been determined by the Mayor and Board of Trustees of the Village to sell said surplus personal property by an on-line auction service for government property or by a private negotiated sale, without advertising for bids:

NOW THEREFORE, BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Lake Villa, Lake County, Illinois, that:

SECTION 1: Pursuant to Chapter 65 ILCS 5/11-76-4 of the Illinois Municipal Code, the Corporate Authorities of the Village find that the following described items of personal property now owned by the Village are no longer necessary or useful to the Village, and the best interests of the Village will be served by the sale thereof, but such sale shall be at not less than the minimum sales prices specified, if any, as set forth below:

<u>DESCRIPTION OF VEHICLE</u>	<u>V.I.N. OR SERIAL NUMBER</u>	<u>MINIMUM SALES PRICE, IF ANY</u>	<u>METHOD(S) OF SALE</u>
2015 Explorer (288)	1FM5K8AR0FGC51513	N/A	Auction - Online

All sales shall be pursuant to a Bill of Sale which indicates that the sales are “AS IS, EXCLUDING ANY WARRANTIES”.

SECTION 2: The Mayor, or his designee, is hereby authorized to direct the sale of the aforementioned personal property through one or more means as specified above as determined by the Mayor, or his designee, and is further authorized to take all steps necessary and/or appropriate to effectuate and implement such sales consistent with the terms and conditions of this Ordinance:

- A. The Mayor, or the Village Administrator, as his designee, are authorized and directed to sell each such item of surplus property by the means specified above.
- B. No bid or offer shall be accepted for the sale of an item of personal property which is less than the minimum required bid price, if any.
- C. Upon payment in full of the agreed price for each said item of personal property, the Mayor, or the Village Administrator, as his designee, is authorized to convey and transfer the title and ownership of said personal property to the purchaser.
- D. Payment in full of the purchase price shall be made directly to the Village by bank check or money order.

SECTION 3: If any section, subsection, paragraph, sentence, clause or phrase of this Ordinance or any part thereof is, for any reason, held to be unconstitutional or invalid or ineffective by any court of competent jurisdiction, such decision shall not affect the validity or effectiveness of the remaining portions of this Ordinance, or any part thereof. The Corporate Authorities hereby declare that they would have passed each section, subsection, subdivision, paragraph, sentence, clause or phrase thereof irrespective of the fact that any one or more

sections, subsections, subdivisions, paragraphs, sentences, clauses or phrases be declared unconstitutional, invalid or ineffective.

SECTION 4: This Ordinance shall be in full force and effect from and after its passage by at least simple majority of all the Corporate Authorities, and approval in the manner provided by law.

Passed by the Corporate Authorities on October 7<sup>th</sup>, 2024, on a roll call vote as follows:

Trustees

AYES:

NAYS:

ABSENT:

ABSTAIN:

Approved by the Mayor on October 7<sup>th</sup>, 2024

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James McDonald, Mayor  
Village of Lake Villa

ATTEST:

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Mary Konrad,  
Village Clerk

RESOLUTION APPOINTING CERTAIN OFFICERS AND/OR EMPLOYEES  
OF THE VILLAGE AS REPRESENTATIVES OF THE VILLAGE OF LAKE VILLA  
WITH REGARD TO THE VILLAGE'S MEMBERSHIP IN  
LAKE CONSOLIDATED EMERGENCY COMMUNICATIONS ("LakeComm")

WHEREAS, the Corporate Authorities of the Village of Lake Villa, Lake County, Illinois (the "Village") have, by separate Resolution, authorized the Village to become a participating member of Lake Consolidated Emergency Communications (LakeComm) pursuant to that certain "Intergovernmental Agreement Establishing Lake Consolidated Emergency Communications (LakeComm)" (the "Intergovernmental Agreement") entered into by and among the County of Lake, the Village of Lake Villa and several other units of local government and fire protection districts as set forth therein, for the purpose of establishing a new consolidated Public Safety Answering Point ("PSAP") in Lake County in order to replace and consolidate certain PSAPs now operated in Lake County; and

WHEREAS, in compliance with the provisions of the above-referenced Intergovernmental Agreement, the Corporate Authorities of the Village wish to designate certain Village officers and/or employees as set forth herein as representatives of the Village relative to the participation by the Village of Lake Villa as a member of LakeComm:

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Board of Trustees of the Village of Lake Villa, Lake County, Illinois, as follows:

SECTION 1: The Corporate Authorities of the Village hereby find that the recitals hereinabove set forth are true and correct and are incorporated into the text of this Resolution as its findings of fact to the same extent as if such recitals had been set forth herein in their entirety.

SECTION 2: The Corporate Authorities of the Village hereby appoint and designate the Village Administrator Michael Strong, as the principal representative of the Village of Lake Villa to the Member Board of LakeComm, and further appoint and designate the Chief of Police of the Lake Villa Police Department, Rochelle Tisinai as the designated alternate representative of the Village in the absence of the Village Administrator, and said appointments are hereby approved, authorized and ratified. All ordinances or resolutions on this subject which are inconsistent with this Resolution are hereby repealed.

SECTION 3: This Resolution shall take effect from and after its passage and approval as provided by law.

Passed by the Corporate Authorities on \_\_\_\_\_, 2024, on a roll call vote as follows:

AYES: Trustees

NAYS:

ABSENT:

ABSTAIN:

Approved by the Mayor on \_\_\_\_\_, 2024.

\_\_\_\_\_  
James McDonald, Mayor  
Village of Lake Villa

ATTEST:

\_\_\_\_\_  
Mary Konrad, Village Clerk

VILLAGE OF LAKE VILLA

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ORDINANCE NO. 2024-10-02

ORDINANCE APPROVING THE RELEASE OF  
AN IRREVOCABLE LETTER OF CREDIT  
AND AUTHORIZING THE SUBSTITUTION THEREFOR OF A  
CASH DEPOSIT IN A REDUCED AMOUNT AS A PERFORMANCE GUARANTEE

(Re: Lake Vista Subdivision)

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ADOPTED BY THE  
CORPORATE AUTHORITIES  
OF THE  
VILLAGE OF LAKE VILLA, ILLINOIS  
THIS 7<sup>TH</sup> DAY OF OCTOBER, 2024

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Published in pamphlet form by the Corporate Authorities of the Village of Lake Villa, Lake County, Illinois, this 7<sup>th</sup> day of October, 2024

ORDINANCE APPROVING THE RELEASE OF  
AN IRREVOCABLE LETTER OF CREDIT  
AND AUTHORIZING THE SUBSTITUTION THEREFOR OF A  
CASH DEPOSIT IN A REDUCED AMOUNT AS A PERFORMANCE GUARANTEE

(Re: Lake Vista Subdivision)

WHEREAS, the Mayor and Board of Trustees of the Village of Lake Villa, Lake County, Illinois, have previously approved the deposit by Lake Vista Estates, LLC with the Village of an Irrevocable Letter of Credit No. 70528 issued by Morton Community Bank of Morton, Illinois, in favor of the Village of Lake Villa as a performance guarantee to assure the satisfactory installation and completion of all improvements required for the subdivision commonly known as the Lake Vista Subdivision; and

WHEREAS, the dollar amount of said Irrevocable Letter of Credit No. 70528 has been previously reduced to \$153,810.00 and expires by its terms on December 1, 2024; and

WHEREAS, based upon a review by Robert Doeringsfeld, P.E., of Applied Technologies, Inc., the Village Engineers, the remaining work on the public and/or required improvements in the Lake Vista Subdivision as set forth in the written recommendation of Applied Technologies, Inc. dated September 18, 2024, a copy of which is attached hereto as Exhibit A and thereby made a part hereof, is as follows:

- (1) Installation of sidewalks on five (5) properties, approximately 2,065 square feet of PCC sidewalk on Lots 14, 18, 19, 20, and 21; and
- (2) Installation of 20 street trees, a total of 4 trees per lot frontage, based upon a discussion with the Village of Lake Villa staff and an examination of previous discussions with the Developer;

; and

WHEREAS, Robert Doeringsfeld, P.E., of Applied Technologies, Inc. has recommended a reduction in the Irrevocable Letter of Credit for the Lake Vista Subdivision to Thirty Thousand Dollars (\$30,000.00) which includes the estimated cost to complete the aforesaid remaining public and/or required subdivision improvements, plus twenty-five percent (25%) as required by the Lake Villa Village

Code for the amount of such performance guarantee which should be maintained in light of the remaining improvements to be completed within said Subdivision; and

WHEREAS, the Mayor and Board of Trustees have considered the recommendation of the Village Engineers and desire to approve the recommended reduction of the required amount of such performance guarantee based upon the aforesaid recommendation; and

WHEREAS, in light of the fact that all improvements required relative to the Lake Vista Subdivision have not yet been completed, the Corporate Authorities of the Village have determined that the deposit with the Village of a performance guarantee to assure the satisfactory completion of the required improvements remains necessary; and

WHEREAS, the Mayor and Board of Trustees of the Village of Lake Villa desire to approve a cash deposit in substitution for the existing Irrevocable Letter of Credit now on deposit with the Village in the reduced amount of Thirty Thousand Dollars (\$30,000.00):

NOW, THEREFORE, BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Lake Villa, as follows:

SECTION 1: The Mayor and Board of Trustees of the Village of Lake Villa hereby find the recitals as contained in the preamble hereof to be true and correct and said recitals are hereby made part hereof.

SECTION 2: That release of the Irrevocable Letter of Credit now on deposit with the Village relative to the Lake Vista Subdivision is hereby authorized and said Irrevocable Letter of Credit shall be released, but only on the condition that on or before November 14, 2024, Lake Vista Estates, LLC or Meritus Homes, Inc. deposits with the Village a cash deposit in the amount of Thirty Thousand Dollars (\$30,000.00) as a performance guarantee to assure the satisfactory installation and completion of the remaining improvements required in the subdivision commonly known as the Lake Vista Subdivision.

SECTION 3: The Mayor and Board of Trustees hereby approve the aforesaid reduction in the amount of funds being held by the Village as a performance guarantee relative to the Lake Vista Subdivision and authorize said substitution of the aforesaid cash deposit in the amount of Thirty Thousand Dollars (\$30,000.00), and such substitution is hereby approved, provided, however, such action shall not constitute acceptance or approval of the required improvements within the Lake Vista Subdivision at this time.

SECTION 4: Notwithstanding anything contained in this Ordinance to the contrary, in the event that either Lake Vista Estates, LLC or Meritus Homes, Inc. has not deposited with the Village a cash deposit in the amount of Thirty Thousand Dollars (\$30,000.00) as the aforesaid performance guarantee on or before November 14, 2024, a default shall be and is hereby declared on November 21, 2024, of the aforesaid Irrevocable Letter of Credit now on deposit with the Village, and the officials hereafter designated are hereby directed and authorized to file with the issuing Bank the Official Signed Statement substantially in the form attached hereto as Exhibit B and are further authorized and directed as signatories to hereafter draw upon the entire remaining balance of said Irrevocable Letter of Credit now on deposit with the Village. The designated officials are: the Mayor and Village Clerk.

SECTION 5: This Ordinance shall be in full force and effect from and after its passage and approval as provided by law.

Passed by the Corporate Authorities on October 7, 2024, on a roll call vote as follows:

YEAS: \_\_\_\_\_

NAYS: \_\_\_\_\_

ABSENT: \_\_\_\_\_

ABSTAIN: \_\_\_\_\_

APPROVED by the Mayor on October 7, 2024

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James McDonald  
Mayor, Village of Lake Villa

ATTEST:

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Mary Konrad, Village Clerk,  
Village of Lake Villa

EXHIBIT A

APPLIED TECHNOLOGIES RECOMMENDATION DATED SEPTEMBER 18, 2024  
FOR REDUCTION OF IRREVOCABLE LETTER OF CREDIT

EXHIBIT B

RE: Lake Vista Subdivision  
Letter of Credit No. \_\_\_\_\_

TO: [Insert Name and Address of Bank]

OFFICIALLY SIGNED STATEMENT  
OF THE VILLAGE OF LAKE VILLA

I, JAMES McDONALD, as Mayor of the Village of Lake Villa, Illinois, relative to your Letter of Credit No. \_\_\_\_\_, do hereby state and certify, pursuant to the direction of the Board of Trustees of the Village of Lake Villa given \_\_\_\_\_, 2024, as follows:

The Applicant, \_\_\_\_\_, has not completed all of the public and/or required improvements for the subdivision known as the Lake Vista Subdivision, Lake Villa, Illinois.

\_\_\_\_\_  
James McDonald, Mayor  
Village of Lake Villa

ATTEST:

\_\_\_\_\_  
Mary Konrad, Village Clerk,  
Village of Lake Villa

DATE: \_\_\_\_\_, 2024

**ATTACHMENT B**  
**TO LETTER OF CREDIT**

Date: July 28, 2020

**Applicant**

Lake Vista Estates LLC  
1650 Lake Cook Road, Suite 130  
Deerfield, IL 60015

**Issuing Bank**

Morton Community Bank  
2400 East Washington Street  
East Peoria, IL 61611

Ref: Letter of Credit #70528

As Beneficiary of the above-referenced Letter of Credit, we request that the following actions (s) be taken as evidenced by our initials and signature below:

Please initial:

X MT REDUCE the amount from \$ 320,178<sup>75</sup> to \$ 237,763<sup>75</sup>.

\_\_\_\_\_ EXTEND the expiry date from \_\_\_\_\_ to \_\_\_\_\_.

\_\_\_\_\_ CANCEL this letter of credit effective immediately.

Enclosed herewith are the original Letter of Credit documents, including the amendments thereto.

(Note: If any of these documents are not included with this letter, you must specify each missing document and explain the reason why they are not being returned.)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Authorization:

**APPLICANT**

Lake Vista Estates, LLC

By: [Signature]

Title: MANAGER

**BENEFICIARY**

Village of Lake Villa

By: \_\_\_\_\_

Title: \_\_\_\_\_

**FINAL WAIVER OF LIEN**

STATE OF ILLINOIS  
COUNTY OF LAKE

TO WHOM IT MAY CONCERN:

WHEREAS the undersigned has been employed by  
to furnish  
for the premises known as  
of which  
is the owner.

Meritus Homes, Inc.  
Asphalt Services  
Lake Vista Ct., Lake Villa  
Village of Lake Villa

The undersigned, for and in consideration of eighty five thousand and 00/100  
\$85,000.00 Dollars, and other good and valuable considerations,

the receipt whereof is hereby acknowledged, do(es) hereby waive and release the general contractor/construction manager and its surety of any and all lien, bond or claim of any nature, including any and all right to lien under the statutes of the State of Illinois, relating to mechanics' liens or the right to claim under any bond or bond(s) provided by the general contractor/construction manager's surety, with respect to and on said above-described premises, and the improvements thereon. Such lien waiver includes a waiver of any right to lien or claim for any material, fixtures, apparatus or machinery furnished, and on the moneys, funds or other considerations due or to become due from the owner, on account of all labor, services, material, fixtures, apparatus or machinery heretofore furnished, or which may be furnished at any time hereafter, by the undersigned for the above-described premises including extras.\*

Date: July 23, 2020

Company Name: Superior Paving, Inc.  
Address: PO Box 98  
Fox Lake, IL 60020

Signature and Title: *Jay H. Barber*  
\*Extras include but are not limited to change orders, both oral and written, to the contract.

**CONTRACTOR'S AFFIDAVIT**

STATE OF ILLINOIS  
COUNTY OF LAKE

TO WHOM IT MAY CONCERN:

The undersigned,  
being duly sworn, deposes and says that he is  
of  
who is the contractor furnishing  
work on the building located at  
owned by  
That the total amount of the contract including extras\* is  
on which he has received payment of

Jay H. Barber  
President  
Superior Paving, Inc.  
Asphalt Services  
Lake Vista Ct., Lake Villa  
Village of Lake Villa  
\$85,000.00  
\$0.00

prior to this payment. That all waivers are true, correct and genuine and delivered unconditionally and that there is no claim either legal or equitable to defeat the validity of said waivers. That the following are the names of all parties who have furnished material or labor, or both, for said work and all parties having contracts or sub-contracts for specific portions of said work or for material entering into the construction thereof and the amount due or to become due to each, and that the items mentioned include all labor and material required to complete said work according to plans and specifications:

Names	For What	Contract Price	Amount Paid	This Payment	Balance Due
Superior Paving, Inc.	Asphalt Services	\$48,727.01	\$0.00	\$48,727.01	\$0.00
Peter Baker & Son, Co.	Asphalt Material	\$36,272.99		\$36,272.99	\$0.00
Total labor and material including extras* to complete.		\$85,000.00	\$0.00	\$85,000.00	\$0.00

That there are no other contracts for said work outstanding, and that there is nothing due or to become due to any person for material, labor or other work of any kind done or to be done upon or in connection with said work other than above stated.

Date: July 23, 2020

Signature: *Jay H. Barber*

Subscribed and sworn to before me this 23rd day of July, 2020.

\*Extras include but are not limited to change orders, both oral and written, to the contract.

*Marion K Shelton*  
Notary Public  
**MARION K SHELTON**  
OFFICIAL SEAL  
Notary Public, State of Illinois  
My Commission Expires  
November 27, 2021

FINAL WAIVER OF LIEN

STATE OF ILLINOIS  
COUNTY OF LAKE

} SS

Gty # \_\_\_\_\_

Loan # \_\_\_\_\_

TO WHOM IT MAY CONCERN:

WHEREAS the undersigned has been employed by SUPERIOR PAVING  
to furnish BITUMINOUS PAVING MATERIALS

for the premises known as LAKE VISTA COURT  
located at LAKE VILLA, IL.

of which VILLAGE OF LAKE VILLA is the owner.

THE undersigned, for and in consideration of  
Thirty Six Thousand, Two Hundred Seventy Two Dollars & 99/100

(\$ 36,272.99 ) Dollars, and other good and valuable considerations, the receipt whereof is hereby acknowledged,  
do(es) hereby waive and release any and all lien or claim of, or right to, lien, under the statutes of the State of ILLINOIS,  
relating to mechanics' liens, with respect to and on said above-described premises, and the improvements thereon, and on the  
material, fixtures, apparatus or machinery furnished, and on the moneys, funds or other considerations due or to become due from the  
owner, on account of labor services, material, fixtures, apparatus or machinery heretofore furnished, or which may be furnished at any  
time hereafter, by the undersigned for the above-described premises.

DATE July 23, 2020

COMPANY NAME PETER BAKER AND SON CO.

ADDRESS 1349 ROCKLAND RD.

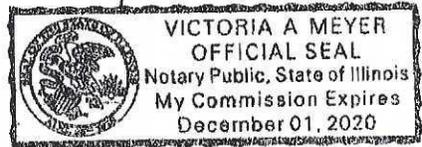
LAKE BLUFF, IL. 60044

SIGNATURE AND TITLE:

*Michael J. Mooney*  
MICHAEL J. MOONEY, COMPTROLLER

Subscribed and sworn before me this 23rd day of July, 2020

*Victoria A. Meyer* Notary



## 8-4-1 2018 INTERNATIONAL BUILDING CODE AMENDMENTS

### (A) General Amendments

#### (1) ICC International Energy Conservation Code.

Any and all references to the ICC International Energy Conservation Code or Chapter 13 are hereby deleted and replaced with the State of Illinois Energy Conservation Code.

#### (2) ICC International Plumbing Code.

Any and all references to the ICC International Plumbing Code are hereby deleted and replaced with the State of Illinois Plumbing Code, current edition.

#### (3) ICC International Private Sewage Disposal Code.

Any and all references to the ICC International Private Sewage Disposal Code are hereby deleted and replaced with the "Lake County Board of Health Ordinance Article V"

#### (4) ICC International Building Code.

Any and all references in the ICC International Building Code that has the words "fire code official" shall be changed to read "Building Official".

### (B) Specific Amendments

**Page 1:** Section 101.1: Insert the words "Village of Lake Villa" to replace "[NAME OF JURISDICTION]".

**Page 1:** Section 101.2 Exception: Re-write the section as follows:

Exception: detached one- and two-family dwellings and *townhouses* consisting of not more than two dwelling units that are not more than three stories above *grade plane* in height with a separate means of egress, and their *accessory structures* not more than three stories above *grade plane* in height.

**Page 2:** Section 103: Delete the words "DEPARTMENT OF BUILDING SAFETY" and insert the words "Office of Building Officer".

**Page 2:** Section 103.1: Delete the words "Department of Building Safety" and insert the words: "Office of Building Officer".

**Page 3 & 4:** Section 105.2 Work exempt from permit. Exemptions from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. *Permits* shall not be required for the following:

Building:

Amend Item # 1. ~~One-story detached accessory structures used as tool and storage sheds, p~~  
Playhouses and similar uses, provided the floor area does not exceed 120 square feet.

Delete with no substitution Items 2, 3, 4, 5, and 8.

**Page 5:** Section 105.5

Delete the existing Section and insert a new section as follows:

Permit time limits. All permits shall become void if:

1. A substantial start of construction is not made within six months from the date of issuance.
2. Substantial work is not performed during any six-month period.
3. Permits for new structures, additions and alterations greater than 1,000 square feet are not completed, and a certificate of occupancy has not been issued within two years of the date of issuance.
4. Permits for additions and alterations 1,000 square feet or less in area are not completed, and a certificate of occupancy has not been issued within one year of the date of issuance.
5. Permits for commercial swimming pools are not completed and a certificate of occupancy is not issued within a six-month period from the date of issuance.
6. Permits for demolition are not completed within ninety days after the date of issuance.
7. Permits for fences, re-siding, re-roofing, decks, electrical up grade, sheds, detached garages, screen porches and any minor alteration to an existing building that does not exceed 1,000 square feet are not completed and, if applicable, a certificate of occupancy is not issued within six months from the date of issuance.
8. Permits for telecommunication facilities and related work, including co-locates and antenna replacement, are not completed and, if applicable, a certificate of occupancy issued within six months from the date of issuance.

The building official is authorized, but not obligated, to grant, in writing, one or more extensions of time, for periods up to but not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.

**Page 6:** Section 107.1: Delete the words “two or more” and insert the word “three”.

**Page 6:** Section 107.2: Re-write the section to read as follows:

**107.2.1** Information on construction documents:

*Construction documents* shall be dimensioned and drawn on suitable material. Minimum scale shall be 1/8 inch per foot. Maximum scale shall be 1/2 inch per foot. Electronic media documents are permitted to be submitted where *approved by the building official*. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the *building official*.

Exception: Sections or sketches may be drawn to a larger scale for clarity.

**Page 6:** Section 107.2.6: In the first sentence delete the word “a site plan” and insert the words “a minimum of three site plans”

**Page 6:** Section 107.3.1: Delete the words “as “Reviewed for Code Compliance” with no substitution.

**Page 10:** Section 113: Delete the entire section and replace with:

Section 113 Board of Appeal

Delete the entire section and replace with; “The provisions of Section 8-1-15 of the Village Code shall govern and control the means of appeal.”

**Page 10:** Section 114: Add the following section:

114.1.1 Enforcement. The provisions of Section 8-1-6 of the Village Code shall govern and control the means of enforcement.”

Section 114.4: Delete the words “penalties as prescribed by law” and insert the words “a fine of not less than \$200.00 nor more than \$750.00 per day. Each day shall constitute a separate offense.”

**Page 22:** Chapter 22: Add the following Definitions:

**ELECTRIC VEHICLE.** An automotive-type vehicle for on-road use primarily powered by an electric motor that draws current from an onboard battery charged through a building electrical service, electric vehicle supply equipment (EVSE), or another source of electric current.

**ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE).** The apparatus installed specifically for the purpose of transferring energy between the premises wiring and the Electric Vehicle.

**EV-CAPABLE SPACE.** A dedicated parking space with electrical panel capacity and space for a branch circuit that supports the EV parking space that is not less than 40-ampere and 208/240-volt and equipped with raceways, both underground and surface mounted, to enable the future installation of electric vehicle supply equipment. For two adjacent EV-Capable spaces, a single branch circuit is permitted.

**EV-INSTALLED SPACE.** Parking spaces that have EV supply equipment that is fully installed from the electrical panel to the parking space.

**EV-READY SPACE.** A designated parking space which is provided with a dedicated branch circuit that is not less than 40-ampere and 208/240-volt assigned for electric vehicle supply equipment terminating in a receptacle or junction box located in close proximity to the proposed location of the EV parking space. For two adjacent EV-Ready spaces, a single branch circuit is permitted.

**Page 53:** Section 310.4.1: Re-write the section as follows:

310.4.1 Care Facilities within a dwelling. Care facilities for eight or fewer persons receiving care that are within a single-family dwelling are permitted to comply with the International Residential Code provided an automatic sprinkler system is installed in accordance with Section 903.3.1.3 or Section P2904 of the International Residential Code.

**Page 59:** Section 403.1: Add a sentence to the end of the paragraph that reads

“The height of the building for fire department access shall be measured from the average grade elevation to the highest finished floor level.”

**Page 76:** Section 411.1: Change the existing exception to number “1” and add another exception to read,

“2. A temporary use permit (not to exceed 30 days) may be issued for a haunted house in an existing structure provided the following criteria is approved.

- A. A special inspection has been conducted and the report is in the office.
- B. A plot plan showing sufficient parking for the anticipated customers and all structures on the property.
- C. A floor plan showing the existing and proposed layout of partitions, windows and means of egress.
- D. A list of all interior finishes and materials to be used for decorations and their flame spread and smoke development ratings.
- E. Plans showing permanent, temporary and emergency lighting.
- F. Methods of assuring continuous movement of occupants through the amusement such as but not limited to;
  - 1) Permanently stationed supervisory personnel.
  - 2) Directional arrows.
  - 3) Other means.
- G. Method of assuring fire protection such as but not limited to;
  - 1) An automatic sprinkler system.
  - 2) Fire detection/alarm system.
  - 3) Portable fire extinguishers.”

**Page 105:** Section 505.2.2: Delete the words “Section 1007” and insert the words “State of Illinois Accessibility Standard”.

**Page 218 – 221:** Section 903 Re-write sections 903.1 through 903.2.11 as follows;

903.1 General. *Automatic sprinkler systems* shall comply with this section.

903.1.1 Alternative protection. Alternative *automatic fire-extinguishing systems* complying with Section 904 shall be permitted instead of automatic sprinkler protection where recognized by the applicable standard and *approved* by the fire code official.

903.2 Where required. Approved *automatic sprinkler systems* in new buildings and structures shall be provided in the locations described in Sections 903.2.1 through 903.2.12. Exception: Spaces or areas in telecommunications buildings used exclusively for telecommunications equipment, associated electrical power distribution equipment, batteries and standby engines, provided that those spaces or areas are equipped throughout with an *automatic smoke detection system* in accordance with Section 907.2 and are separated from the remainder of the building by not less than 1-hour *fire barriers* constructed in accordance with Section 707 or not less than 2-hour *horizontal assemblies* constructed in accordance with Section 711, or both.

903.2.1 Group A. An *automatic sprinkler system* shall be provided throughout buildings and portions thereof used as Group A occupancies as provided in this section.

903.2.1.1 Group A-1. An *automatic sprinkler system* shall be provided throughout stories containing Group A-1 occupancies and throughout all stories from the Group A-1 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The *fire area* exceeds 5,000 square feet.
2. The *fire area* has an *occupant load* of 300 or more.
3. The *fire area* is located on a floor other than a *level of exit discharge* serving such occupancies.
4. The *fire area* contains a multi theater complex.

903.2.1.2 Group A-2. An *automatic sprinkler system* shall be provided throughout stories containing Group A-2 occupancies and throughout all stories from the Group A-2 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The *fire area* exceeds 5,000 square feet.
2. The *fire area* has an *occupant load* of 100 or more.
3. The *fire area* is located on a floor other than a *level of exit discharge* serving such occupancies.

903.2.1.3 Group A-3. An *automatic sprinkler system* shall be provided throughout stories containing Group A-3 occupancies and throughout all stories from the Group A-3 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The *fire area* exceeds 5,000 square feet.
2. The *fire area* has an *occupant load* of 300 or more.
3. The *fire area* is located on a floor other than a *level of exit discharge* serving such occupancies.

903.2.1.4 Group A-4. An *automatic sprinkler system* shall be provided throughout stories containing Group A-4 occupancies and throughout all stories from the Group A-4 occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The *fire area* exceeds 5,000 square feet.
2. The *fire area* has an *occupant load* of 300 or more.
3. The *fire area* is located on a floor other than a *level of exit discharge* serving such occupancies.

903.2.1.5 Group A-5. An *automatic sprinkler system* shall be provided for all enclosed Group A-5 accessory use areas in excess of 1,000 square feet.

903.2.1.5.1 Spaces under grandstands or bleachers. Enclosed spaces under grandstands or *bleachers* shall be equipped with an *automatic sprinkler system* in accordance with Section 903.3.1.1 where either of the following exist:

1. The enclosed area is 1,000 square feet or less and is not constructed in accordance with Section 1029.1.1.1.
2. The enclosed area exceeds 1,000 square feet.

903.2.1.6 Assembly occupancies on roofs. Where an occupied roof has an assembly occupancy with an *occupant load* exceeding 100 for Group A-2 and 300 for other Group A occupancies, all floors between the occupied roof and the *level of exit discharge* shall be equipped with an *automatic sprinkler system* in accordance with Section 903.3.1.1 or 903.3.1.2.

Exception: Open parking garages of Type I or Type II construction.

903.2.1.7 Multiple fire areas. An *automatic sprinkler system* shall be provided where multiple fire areas of Group A-1, A-2, A-3 or A-4 occupancies share exit or exit access components and the combined *occupant load* of these fire areas is 300 or more.

903.2.2 Ambulatory care facilities. An *automatic sprinkler system* shall be installed throughout the entire floor containing an *ambulatory care facility* where either of the following conditions exist at any time:

1. Four or more care recipients are incapable of self-preservation.
2. One or more care recipients that are incapable of self-preservation are located at other than the level of exit discharge serving such a facility. In buildings where ambulatory care is provided on levels other than the *level of exit discharge*, an *automatic sprinkler system* shall be installed throughout the entire floor as well as all floors below where such care is provided, and all floors between the level of ambulatory care and the nearest *level of exit discharge*, the level of exit discharge, and all floors below the level of *exit discharge*.

Exception: Floors classified as an open parking garage are not required to be sprinklered.

903.2.2.1 Group B. An *automatic sprinkler system* shall be provided throughout buildings containing Group B occupancies and throughout all stories from the Group B occupancy to and including the levels of exit discharge serving that occupancy where one of the following conditions exists:

1. The *fire area* exceeds 5,000 square feet.
2. The *fire area* has an *occupant load* of 300 or more.
3. The *fire area* is located on a floor other than a *level of exit discharge* serving such occupancies.

903.2.3 Group E. An *automatic sprinkler system* shall be provided for Group E occupancies as follows:

1. Throughout all Group E *fire areas* greater than 5,000 square feet in area.
2. The Group E *fire area* is located on a floor other than a level of exit discharge serving such occupancies. required in any area below the lowest level of exit discharge serving that area.
3. The Group E *fire area* has an occupant load of 300 or more.

903.2.4 Group F. An *automatic sprinkler system* shall be provided throughout all buildings containing a Group F occupancy where one of the following conditions exists:

1. A Group F *fire area* exceeds 5,000 square feet.
2. A Group F *fire area* is located more than three stories above *grade plane*.
3. The combined area of all Group F *fire areas* on all floors, including any mezzanines, exceeds 24,000 square feet.
4. A Group F occupancy used for the manufacture of upholstered furniture or mattresses exceeds 2,500 square feet.

903.2.4.1 Woodworking operations. An *automatic sprinkler system* shall be provided throughout all Group F occupancy *fire areas* that contain woodworking operations in excess of 2,500 square feet in area that generate finely divided combustible waste or use finely divided combustible materials.

903.2.5 Group H. *Automatic sprinkler systems* shall be provided in high-hazard occupancies as required in Sections 903.2.5.1 through 903.2.5.3.

903.2.5.1 General. An *automatic sprinkler system* shall be installed in Group H occupancies.

903.2.5.2 Group H-5 occupancies. An *automatic sprinkler system* shall be installed throughout buildings containing Group H-5 occupancies. The design of the sprinkler system shall be not less than that required by this code for the occupancy hazard classifications in accordance with Table 903.2.5.2. Where the design area of the sprinkler system consists of a *corridor* protected by one row of sprinklers, the maximum number of sprinklers required to be calculated is 13.

903.2.5.3 Pyroxylin plastics. An *automatic sprinkler system* shall be provided in buildings, or portions thereof, where cellulose nitrate film or pyroxylin plastics are manufactured, stored or handled in quantities exceeding 100 pounds (45 kg)

**TABLE 903.2.5.2  
GROUP H-5 SPRINKLER DESIGN CRITERIA**

LOCATION	OCCUPACY HAZARD CLASSIFICATION
Fabrication Areas	Ordinary Hazard Group 2
Service Corridors	Ordinary Hazard Group 2
Storage rooms without dispensing	Ordinary Hazard Group 2
Storage rooms with dispensing	Extra Hazard Group 2
Corridors	Ordinary Hazard Group 2

903.2.6 Group I. An *automatic sprinkler system* shall be provided throughout buildings with a Group I *fire area*.

Exceptions:

1. An *automatic sprinkler system* installed in accordance with Section 903.3.1.2 shall be permitted in Group I-1, Condition 1 facilities.
2. In buildings where Group I-4 daycare is provided on levels other than the *level of exit discharge*, an *automatic sprinkler system* in accordance with Section 903.3.1.1 shall be installed on the entire floor where care is provided, all floors between the level of care and the *level of exit discharge*, and all floors below the *level of exit discharge* other than areas classified as an open parking garage.

903.2.7 Group M. An *automatic sprinkler system* shall be provided throughout buildings containing a Group M occupancy where one of the following conditions exists:

1. A Group M *fire area* exceeds 5,000 square feet.
2. A Group M *fire area* is located more than three stories above *grade plane*.
3. The combined area of all Group M *fire areas* on all floors, including any mezzanines, exceeds 24,000 square feet.
4. A Group M occupancy used for the display and sale of upholstered furniture or mattresses exceeds 5,000 square feet.

903.2.7.1 High-piled storage. An *automatic sprinkler system* shall be provided in accordance with the *International Fire Code* in all buildings of Group M where storage of merchandise is in high-piled or rack storage arrays.

903.2.8 Group R. An *automatic sprinkler system* installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R *fire area*.

903.2.8.1 Group R-3. An *automatic sprinkler system* installed in accordance with Section 903.3.1.3 shall be permitted in Group R-3 occupancies.

903.2.8.2 Group R-4, Condition 1. An *automatic sprinkler system* installed in accordance with Section 903.3.1.3 shall be permitted in Group R-4, Condition 1 occupancies.

903.2.8.3 Group R-4, Condition 2. An *automatic sprinkler system* installed in accordance with Section 903.3.1.2 shall be permitted in Group R-4, Condition 2 occupancies.

903.2.8.4 Care facilities. An *automatic sprinkler system* installed in accordance with Section 903.3.1.3 shall be permitted in care facilities with five or fewer individuals in a single-family dwelling.

903.2.9 Group S. An *automatic sprinkler system* shall be provided throughout all buildings containing a Group S occupancy where one of the following conditions exists:

1. A Group S *fire area* exceeds 5,000 square feet.
2. A Group S *fire area* is located more than three stories above *grade plane*.
3. The combined area of all Group S *fire areas* on all floors, including any mezzanines, exceeds 24,000 square feet.

4. A Group S *fire area* used for the storage of commercial motor vehicles where the *fire area* exceeds 5,000 square feet.

5. A Group S occupancy used for the storage of upholstered furniture or mattresses exceeds 2,500 square feet.

Exception: One story Group S buildings not greater than 12,000 square feet in area that are used for cold storage only and do not include any conditioned spaces. This exception does not include buildings or occupancies set forth in sections 903.2.9.1 through 902.10.1.

903.2.9.1 Repair garages. An *automatic sprinkler system* shall be provided throughout all buildings used as repair garages in accordance with Section 406, as shown:

1. Buildings having two or more *stories above grade plane*, including basements, with a *fire area* containing a repair garage exceeding 5,000 square feet.

2. Buildings not more than one *story above grade plane*, with a *fire area* containing a repair garage exceeding 5,000 square feet.

3. Buildings with repair garages servicing vehicles parked in basements.

4. A Group S *fire area* used for the repair of commercial motor vehicles where the *fire area* exceeds 5,000 square feet.

903.2.9.2 Bulk storage of tires. Buildings and structures where the area for the storage of tires exceeds 20,000 cubic feet (566 m<sup>3</sup>) shall be equipped throughout with an *automatic sprinkler system* in accordance with Section 903.3.1.1.

903.2.10 Group S-2 enclosed parking garages. An *automatic sprinkler system* shall be provided throughout buildings classified as enclosed parking garages in accordance with Section 406.6 where either of the following conditions exist:

1. Where the *fire area* of the enclosed parking garage exceeds 5,000 square feet (1115 m<sup>2</sup>).

2. Where the enclosed parking garage is located beneath other groups.

903.2.10.1 Commercial parking garages. An *automatic sprinkler system* shall be provided throughout buildings used for storage of commercial motor vehicles where the *fire area* exceeds 5,000 square feet.

903.2.10.2 Group U An *automatic sprinkler system* shall be provided throughout buildings containing

Group U occupancies where the group U fire area exceeds 5,000 square feet.

903.2.11 Specific building areas and hazards. In all occupancies, an *automatic sprinkler system* shall be installed for building design or hazards in the locations set forth in Sections 903.2.11.1 through 903.2.11.6.

Page 223 Section 903.1.3.4 Add a subsection to read;

“903.3.1.4 Emergency power supply. Every automatic fire suppression system that requires or is equipped with an electric fire pump shall have an emergency generator to provide power in the case of primary power loss.

Exception: Upon submittal of documentation from the Fire Chief having jurisdiction of the area, stating that he has reviewed all pertinent information concerning the interruption of the power supply of the area and is accepting the utility provider as a reliable power supply for the fire pump.

Page 264 Section 1008.2 Re-write the section to read:

Illumination required. The means of egress serving a room or space, as well as all toilet rooms shall be illuminated at all times that the room or space is occupied.

Page 265 Section 1009

Delete the entire section and insert a new section to read:

Section 1009  
Accessible Means of Egress

1009.1 Accessible Means of Egress Required. Accessible means of egress shall comply with the State of Illinois Accessibility Standards

**Page 271**      Section 1010.1.5      Add new subsection to read:

“1010.1.5.1 Grade Exit Discharge Doors: Where required to swing in the direction of egress travel, all required grade exit doors shall be provided with a hard-surfaced area underneath the door swing.

1010.1.5.2 Stoop surface: The exterior surface shall have a slip resistant surface that has a slope not greater than 1:50 in any direction.

1010.1.5.3 Support: Sufficient wing walls and/or foundation wall is required under all stoops. Wing walls shall have a minimum of one (1) number 4 reinforcing bar located not more than six (6) inches beneath the top edge of concrete and extending downward into the foundation wall not less than two (2) feet.

1010.1.5.4 Stoop extension: The outer perimeter of the stoop shall not project out beyond the wing wall and/or foundation wall more than twelve (12) inches in any direction.”

**Page 305**      Chapter 11 Delete the entire Chapter and insert a new section to read:

Chapter 11  
Accessibility

1101.1 Applicability. The provisions of the State of Illinois Accessibility Code shall control the design and construction of facilities for accessibility to physically disabled persons.

**Page 374**      Section 1608.1      Rewrite the section to read:

“In no case shall the ground snow load be less than 30 pounds per square foot, but the design roof loads shall not be less than that determined by section 1607.

**Page 441**      Section 1808.7.4 Change this section to read:

Foundation elevation. On graded sites, the top of any exterior foundation shall extend a minimum of 6 inches above the finished grade adjacent to the building.

**Page 443**      Section 1809.5

Delete from Item #1 the words “below the frost line of the locality” and insert the words “a minimum of forty-two (42) inches measured from adjacent finished grade level.”

**Page 558**      Section 3103.1

Add the following exception: Exception: In the event of a natural disaster, public emergency, pandemic or other similar event, the Planning, Building & Development Department Director, in consultation with the Building Official, is authorized to allow temporary tents or other approved temporary structures to be erected for periods exceeding 180 days without being required to comply with the *International Building Code*. Failure to maintain the structure in compliance with all requirements of this section could result in revocation of this approval.

**Page 587** Chapter 29 Delete the entire chapter and replace with:

#### Section 2901

##### General

2901.1 Scope: The provisions of the current adoption of the State of Illinois Plumbing Code shall govern the design, Construction, erection and installation of plumbing components, appliances, equipment and systems used in buildings and structures covered by this code.

### **8-4-1 2018 INTERNATIONAL RESIDENTIAL CODE AMENDMENTS**

#### (A) General Amendments

(1) ICC Electrical Code.

Any and all references to the ICC Electrical Code are hereby deleted and replaced with NFPA 70, National Electrical Code 2017.

(2) ICC International Energy Conservation Code.

In addition to the requirements of Chapter 11 all work that requires a building permit must also comply with the State of Illinois Energy Conservation Code.

(3) ICC International Plumbing Code.

Any and all references to the ICC International Plumbing Code are hereby deleted and replaced with the State of Illinois Plumbing Code, current edition.

(4) ICC International Private Sewage Disposal Code.

Any and all references to the ICC International Private Sewage Disposal Code are hereby deleted and replaced with the "Lake County Board of Health Ordinance Article V".

#### (B) Specific Amendments

**Page 1** Section R101.1

Insert the words "Village of Lake Villa" to replace "[NAME OF JURISDICTION]".

**Page 1** Section 101.2 Scope Re-write the section to read as follows:

The provisions of this code shall apply to the construction, *alteration*, movement, enlargement, replacement, repair, *equipment*, use and occupancy, location, removal and demolition of detached one- and two-family dwellings and *townhouses* consisting of not more than two dwelling units that are not more than three stories above *grade plane* in height with a separate means of egress, and their *accessory structures* not more than three stories above *grade plane* in height.

**Page 2** Section R103

Delete the title “DEPARTMENT OF BUILDING SAFETY” and insert the words “Village of Lake Villa Building Department”.

**Page 2** Section R103.1

Delete the words “DEPARTMENT OF BUILDING SAFETY” and insert the words “Village of Lake Villa Building Department.”

**Page 2** Section R103.3

Delete the last sentence with no substitution.

**Page 3** Section R105.2

Delete the sub-section with no substitution.

**Pages 3 & 4** Section R105.2

Delete all including Building, Electrical, Gas, Mechanical and ending two paragraphs with no substitution.

**Page 4** Section R105.3

Delete the work “safety” and insert the words “and zoning”.

**Page 5** section R105.5 Delete the entire section and insert the following new section:

R105.5 Permit time limits. All permits shall become void if;

1. A substantial start of construction is not made within six months from the date of issuance.
2. Substantial work is not performed during any six-month period.
3. Permits for one or two-family dwellings and additions and/or alterations that exceed 400 square feet in area are not completed and a Certificate of Occupancy is not issued within two years from the date of issuance.
4. Permits for additions and/or alterations 400 square feet or less in area are not completed and a Certificate of Occupancy is not issued within one year from the date of issuance.
5. Permits for accessory buildings greater than 400 square feet in area are not completed and a certificate of occupancy is not issued within one year from the date of issuance.
6. Permits for above ground or in ground swimming pools are not completed and a certificate of occupancy is not issued within a six-month period from the date of issuance.
7. Permits for demolition are not completed within ninety days after the date of issuance.

8. Permits for fences, re-siding, re-roofing, decks, electrical up grade, sheds, detached garages, screen porches and any minor alteration to an existing building that does not exceed 400 square feet are not completed and if applicable, a certificate of occupancy is not issued within six months from the date of issuance.

The building official is authorized, but not obligated, to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.

**Page 5** Section 105.7 Placement of Permit

Delete all text and replace with:

“The building permit card shall be kept on the site of the work in an accessible location and protected from adverse weather until the completion of the project.”

**Page 5** Section: R106.1 Submittal Documents

Delete the words “two or more” and insert the word “three”.

**Page 6** Section R106.1.1

Re-write the section to read as follows:

R106.1.1 Information on construction documents.

*Construction documents* shall be dimensioned and drawn on suitable material. Minimum scale shall be 1/8 inch per foot. Maximum scale shall be 1/2 inch per foot. Electronic media documents are permitted to be submitted where *approved* by the *building official*. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the *building official*.

Exception: Sections or sketches may be drawn to a larger scale for clarity.

**Page 6** Section R106.1.4 Information for Construction in Flood Hazard Areas

Delete all text and replace with “Refer to the Lake Villa Watershed Development Ordinance.”

1. Ordinance No. 2023-08-02 Watershed Development.

**Page 6** Section R106.2 Site plan or plot plan

In the first sentence delete the words “a site plan” and insert the words “three site plans”.

**Page 6** Section R106.3.1 Approval of construction documents.

Delete the words “that state “Reviewed for Code Compliance”” with no substitution.

**Page 8** Section R110.3 Certificate issued

Delete the word “safety” and insert the words “and zoning”.

**Page 8** Section R110.3

Delete items 7 through 9

**Page 9** Section R112 Board of Appeals Delete all text and replace with:

“The provisions of Section 8-1-15 of the Village Code shall govern and control the means of appeal”.

**Page 9** Section R113.4 Violation penalties.

Delete the words “penalties as prescribed by law” and insert the words “a fine of not less than \$200.00 nor more than \$750.00 per day. Each day shall constitute a separate offense.”

**Page 9** Section R114 Add the following section:

114.1.1 Enforcement. The provisions of Section 8-1-6 of the Village Code shall govern and control the means of enforcement.”.

**Page 16:** Section R202 Definitions: Add the following definitions:

Electric Vehicle. An automotive-type vehicle for on-road use primarily powered by an electric motor that draws current from an onboard battery charged through a building electrical service, electric vehicle supply equipment (EVSE), or another source of electric current.

EV-Capable Space. A dedicated parking space with electrical panel capacity and space for a branch circuit dedicated to the EV parking space that is not less than 40 ampere and 208/240-volt and equipped with raceways, both underground and surface mounted, to enable the future installation of electric vehicle supply equipment. For two adjacent EV-Capable spaces, a single dedicated branch circuit is permitted.

Electric Vehicle Supply Equipment (EVSE). The apparatus installed specifically for the purpose of transferring energy between the premises wiring and the Electric Vehicle.

**Page 32** Table R301.2(1)

Complete this table as follows:

Ground Snow Load	Wind Design		Seismic Design Category	Subject To Damage From			Winter Design Temp
	Speed (mph)	Topographical Effect		Weathering	Frost Line Depth	Termite	
30	115	No	A	Severe	42"	Moderate to Heavy	2

Ice Barrier Underlayment Required	Flood Hazards	Air Freezing Index	Mean Annual Temp
Yes	See Article 8 of the Lake County Unified Development Ordinance	2000	50°F

**Page 60** Section R302.5.1

Re-write the section to read as follows:

R302.5.1 Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with 60-minute fire-rated doors, equipped with a self-closing or automatic-closing device.

Exception: In dwellings protected by a residential automatic fire suppression system, openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1-3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1-3/8 inches (35 mm thick, or 20-minute fire-rated doors, equipped with a self-closing or automatic-closing device.

**Page 61** Table R302.6

All references to 1/2 inch gypsum board should be changed to 5/8-inch Type X gypsum board. Delete the last line in the table.

Add the following Exception:

Exception: One and two family dwellings that are protected by an automatic residential fire sprinkler system shall be allowed to substitute 1/2 inch gypsum board in place of 5/8 inch Type X gypsum board.

**Page 54** Section R305.1 Change the section to read as follows:

Minimum height. Habitable space, hallways, bathrooms, toilet rooms, laundry rooms and portions of basements containing these spaces shall have a ceiling height of not less than 7'6".

Page 54 Section R305.1 Add an additional exception numbered 3 to read as follows:

3. Ceilings in finished basements can have a minimum height less than 7'6" provided that no permanently installed fixtures or finished ceiling will extend below 7 feet.

**Page 71** Section R311.2

Re-write the section as follows:

R311.2 Egress door. Not less than two egress doors shall be provided for each dwelling unit. The required egress door shall be side-hinged and shall provide a clear width of not less than 36 inches

(813 mm) where measured between the face of the door and the stop, with the door open 90 degrees (1.57 rad). The clear height of the door opening shall be not less than 78 inches (1981 mm) in height measured from the top of the threshold to the bottom of the stop. Other doors shall not be required to comply with these minimum dimensions. Egress doors shall be readily openable from inside the dwelling without the use of a key or special knowledge or effort.

Exception 1: For dwellings provided with a residential automatic fire suppression system only one egress door will be required.

Exception 2: A sliding door can serve as a secondary means of egress.

**Page 74 Section: R313** Automatic Fire Sprinkler Systems

**Decision needed.**

**Page 81** Section R322 "Flood Resistant Construction"

Delete this section and replace with the following sentence:

Refer to the Lake villa Watershed Development Ordinance.

1. Ordinance No. 2015-12-02 Watershed Development.

**Pages 92,93 & 94** Tables R403.1(1), R403.1(2) and R403.1(3) Delete the current tables and insert the following table:

Table R403.1 minimum width of concrete,  
precast or masonry footings (inches)

Number of stories and type of construction	Thickness of footing (inches)	Projection on each side of foundation wall (inches)
<b>One story (without basement)</b>		
Frame	8	4
Masonry veneer on frame	8	4
Masonry	8	4
<b>One story (with basement)</b>		
Frame	8	4
Masonry veneer on frame	8	4
Masonry	8	4
<b>Over one story (with or without a basement)</b>		
Frame	8	4
Masonry veneer on frame	8	4
Masonry	12	6

EXCEPTION: At the discretion of the Building Official, Tables R403.1(1), R403.1(2) and R403.1(3) can be used if a soil report and foundation design, both of which are prepared by a design professional registered in the State of Illinois are submitted as an alternate to the above table.

**Page 99** Section R403.1.4.1 Change exception 1 to read as follows:

1. Protection of free-standing accessory structures with an area of 1000 square feet or less, of light-frame construction and with an eave height of 10 feet or less shall not be required.

**Page 130** Section R405.1 Rewrite this section as follows and delete the exception:

Concrete or masonry foundations. Drains shall be provided around all concrete or masonry foundations that retain earth and enclose crawl spaces, habitable or usable spaces located below grade. The foundation drain shall consist of drainage tiles or perforated pipe placed on a minimum of 2 inches of washed gravel or crushed rock with a minimum aggregate size of one-half inch in diameter and covered with not less than 12 inches of the same material. Foundation drains must be covered with a filter membrane with a minimum width of 18 inches. Foundation drains must connect to a sump pit located inside the basement or crawl space of the dwelling. The drains must discharge by gravity or mechanical means into an approved drainage system. Foundation drains that do not discharge into an approved storm sewer or drainage swale must terminate a minimum of 20 feet from all property lines.

**Page 133** Section R408.6 Rewrite this section as follows:

Finished grade. The finished grade of under floor surfaces must be located a minimum of 24 inches and a maximum of 48 inches below the bottom of the floor framing.

**Page 134** Section R408.7 Delete this section with no substitution

**Page 177** Section R602.3.2 Delete the exception.

**Page 432** Section R903

Add the following section: R903.5 Gutters and downspouts

When a dwelling is provided with a basement or has habitable rooms below grade, gutters and downspouts shall be installed, unless omission is specifically permitted by the Building Official. All exterior doors, not protected with gutters, shall be protected from roof runoff by a continuous gutter and downspouts or an approved type diverter.

## **8-4-1 2018 ICC EXISTING BUILDING CODE**

### (A) General Amendments

#### (1) ICC Electrical Code.

Any and all references to the ICC Electrical Code are hereby deleted and replaced with NFPA 70 National Electrical Code 2017.

#### (2) ICC International Energy Conservation Code.

Any and all references to the ICC International Energy Conservation Code are hereby deleted and replaced with the State of Illinois Energy Conservation Code.

#### (3) ICC International Plumbing Code.

Any and all references to the ICC International Plumbing Code are hereby deleted and replaced with the State of Illinois Plumbing Code, current edition.

#### (4) Code Official.

Any and all references to the Code Official are hereby deleted and replaced with "Building Official".

(B) Specific Amendments

**Page 1** Section 101.1

Insert the words "Village of Lake Villa" to replace "[NAME OF JURISDICTION]".

**Page 7** Section 108

Delete the words "applicable governing authority". Insert the words "the effective fee schedule as adopted by the Lake Villa Village Board".

**Page 9** Section 113.4 Violation penalties rewrite the section as follows:

108.4 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work in violation of the *approved construction documents* or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a petty offense punishable by a fine of not more than 750.00 dollars. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

**Page 15** Section 301.5

Delete the words "2009 edition of ICC A117.1." Insert the words "2018 Illinois Accessibility Code or current adoption."

**Page 15** Section 302.3

Delete the following: International Private Sewage Disposal Code.

Replace with: Lake County Board of Health Ordinance Article V.

**8-4-1 2018 ICC INTERNATIONAL MECHANICAL CODE AMENDMENTS.**

(A) General Amendments

(1) ICC Electrical Code.

Any and all references to the ICC Electrical Code are hereby deleted and replaced with NFPA 70 National Electrical Code 2017.

~~(2) ICC International Existing Building Code.~~

~~Any and all references to the ICC International Existing Building Code are hereby deleted with no substitution.~~

(3) ICC International Energy Conservation Code.

Any and all references to the ICC International Energy Conservation Code are hereby deleted and replaced with the State of Illinois Energy Conservation Code.

(4) ICC International Plumbing Code.

Any and all references to the ICC International Plumbing Code are hereby deleted and replaced with the State of Illinois Plumbing Code, current edition.

(5) Code Official.

Any and all references to the Code Official are hereby deleted and replaced with “Building Official”.

(B) Specific Amendments

**Page 1** Section 101.1

Insert the words “Village of Lake Villa” to replace “[NAME OF JURISDICTION]”.

**Page 5** Section 106.5.2 Fee schedule

Delete the words “as indicated in the following schedule.” and “[JURISDICTION TO INSERT APPROPRIATE SCHEDULE]”. Insert the words “the effective fee schedule as adopted by the Lake Villa Village Board”.

**Page 6** Section 108.1: Add the following section:

108.1.1 Enforcement. The provisions of Section 8-1-6 of the Village Code shall govern and control the means of enforcement.”

**108.4** Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work in violation of the *approved construction documents* or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a petty offense punishable by a fine of not more than 500.00 dollars. Each week that a violation continues after due notice has been served shall be deemed a separate offense.

Page 7 Section 108:

**Section 108.5** Re-write the section as follows:

**108.5** Stop work orders. Upon notice from the code official that mechanical work is being performed contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner’s authorized agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than 100.00 dollars or more than 500.00 dollars.

**Page 7** Section 109 MEANS OF APPEAL Delete the entire section and replace with; “The provisions of Section 8-1-15 of the Village Code shall govern and control the means of appeal.”

(A) General Amendments

(1) ICC Electrical Code.

Any and all references to the ICC Electrical Code are hereby deleted and replaced with NFPA 70 National Electrical Code 2017.

(2) ICC International Existing Building Code.

Any and all references to the ICC International Existing Building Code are hereby deleted with no substitution.

(3) ICC International Energy Conservation Code.

Any and all references to the ICC International Energy Conservation Code are hereby deleted and replaced with the State of Illinois Energy Conservation Code.

(4) ICC International Plumbing Code.

Any and all references to the ICC International Plumbing Code are hereby deleted and replaced with the State of Illinois Plumbing Code, current edition.

(5) Code Official.

Any and all references to the Code Official are hereby deleted and replaced with "Building Official".

(B) Specific Amendments

**Page 1** Section 101.1

Insert the words "Village of Lake Villa" to replace "[NAME OF JURISDICTION]".

**Page 5** Section 106.6.2 Fee schedule

Delete the words "as indicated in the following schedule." and "[JURISDICTION TO INSERT APPROPRIATE SCHEDULE]". Insert the words "the effective fee schedule as adopted by Lake Villa Board".

**Page 7** Section 108.4 Violation penalties rewrite the section as follows:

108.4 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work in violation of the *approved construction documents* or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a petty offense punishable by a fine of not more than 750.00 dollars. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Page 7 Section 108.5 Stop Work Orders delete the first reference to "[AMOUNT]" and insert the number "100", delete the second the second reference to "[AMOUNT]" and insert the number "500".

**Page 7** Section 109 MEANS OF APPEAL Delete the entire section and replace with MEANS OF APPEAL Delete the entire section and replace with; “The provisions of Section 8-1-15 of the Village Code shall govern and control the means of appeal.”

**Page 97** Section 504.2.10 Re-write the section to read as follows:

504.2.10: Corrugated vent connectors are not permitted.

#### **8-4-1 2018 ICC INTERNATIONAL SWIMMING POOL AND SPA CODE AMENDMENTS.**

(A) General Amendments

(B) Any and all references in the ICC International Swimming Pool and Spa Code to the “*Code Official*” shall be changed to “Building Official”.

(C) ICC International Plumbing Code.

Any and all references to the ICC International Plumbing Code are hereby deleted and replaced with the State of Illinois Plumbing Code, current edition.

(D) Specific Amendments

**Page 1** Section 101.1

Insert the words “Village of Lake Villa” to replace “[NAME OF JURISDICTION]”.

**Page 2** Section 103.1

Delete the words “DEPARTMENT OF BUILDING SAFETY” and insert the words “Village of Lake Villa”.

**Page 4** Section 105.5.3

Change the first sentence to read as follows: “Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced, or if the work authorized by such permit is not completed within one year of the date of permit issuance.”

**Page 4** Section 105.5.4

Delete the last sentence of this section with no substitution.

**Page 4** Section 105.6.2 [JURISDICTION TO INSERT APPROPRIATE SCHEDULE]

Insert the words:” the effective fee schedule as adopted by the Village Board.”

**Page 4** Section 105.6.3

Delete the entire section and insert the following: “The Building Official shall authorize the refunding of fees in accordance with the current adoption of the Village Board”.

**Page 6** Section 107.4 Change this section to read as follows: “Any person who shall violate any provision of this code or shall fail to comply with any of the requirements thereof or shall erect, install, alter, or repair a pool or spa in violation of the approved construction documents or directive of the Building Official, or of a permit or certificate issued under the provisions of this code, shall be subject to a fine of not less than \$200.00 nor more than \$750.00 per day. Each day shall constitute a separate offense.”

**Page 7** Section 108 Delete the entire section and replace with: “The provisions of Section 8-1-15 of the Village Code shall govern and control the means of appeal.”

**Page 13** Section 304

1) Change section 304.1 to read as follows:

*General. “Refer to Sections Lake Villa Watershed Development Ordinance.”.*

2) Delete sections 304.2 through 304.2.2

**Page 15** Section 305.4 Change the first paragraph to read as follows: Where a wall of a dwelling or structure serves as part of the barrier, doors that provide direct access to the aquatic vessel through the wall shall be equipped with one or more of the following:

**Page 15** Section 305.4.1 Change the section to read as follows:  
Operable windows without screens installed and having a sill height of less than 48 inches (1219 mm) above the indoor finished floor and doors shall have an alarm that produces an audible warning when the window, door or their screens are opened. The alarm shall be *listed* and *labeled* as a water hazard entrance alarm in accordance with UL 2017. In dwellings or structures not required to be Accessible units, Type A units or Type B units, the operable parts of the alarm deactivation switches shall be located 54 inches (1372 mm) or more above the finished floor. In dwellings or structures required to be Accessible units, Type A units or Type B units, the operable parts of the alarm deactivation switches shall be located not greater than 54 inches (1372 mm) and not less than 48 inches (1219 mm) above the finished floor.

## 8-4-1 2018 ICC INTERNATIONAL FIRE CODE AMENDMENTS.

### (A) General Amendments

(1) Any and all references to the *fire code official* shall be changed to “Building Official”

### (B) Specific Amendments

**Page 1** Section 101.1 Title Insert “Village of Lake Villa” in place of [Name of Jurisdiction]

**Page 2** Section 103 Delete section 103 with no substitution.

**Page 4** Section 105.1.2 Types of permits.

Delete #1 and change #2 to #1

**Page 13** Section 109 Board of Appeals Delete the entire section and replace with “The provisions of Section 8-1-15 of the Village Code shall govern and control the means of appeal.”

**Page 14** Section 110.4 Violation penalties rewrite the section as follows:

**110.4** Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair mechanical work in violation of the *approved construction documents* or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a petty offense punishable by a fine of not less than \$200.00 nor more than \$750.00 per day. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

## 8-4-1 2017 NFPA 70 NATIONAL ELECTRICAL CODE AMENDMENTS.

### (A) Specific Amendments

**Page 70-32** (New Section) Add new section:

#### 90.10 MEANS OF APPEAL

The provisions of Section 8-1-15 of the Village Code shall govern and control the means of appeal.”

**Page 70-59** Article 210.8 (A) Add the following:

Exception to (4): Receptacles supplying power to sump pumps, battery backup sump pumps and ejector pumps in the areas noted above must also be protected by an alarm that indicates a tripped condition of the GFCI protection device

Add the following sentence to the “Exception to (5)”:

Receptacles supplying power to sump pumps, battery backup sump pumps and ejector pumps in the areas noted above must also be protected by an alarm that indicates a tripped condition of the GFCI protection device

**Page 70-59** Section 210.8 (B) Add the following:

Exception to (10): Receptacles supplying power to sump pumps, battery backup sump pumps and ejector pumps in the areas noted above must also be protected by an alarm that indicates a tripped condition of the GFCI protection device

**Page 70-60/61**, Article 210.12 Arc-Fault Circuit-Interrupter Protection (AFCI)

Change the exception to read as follows:

Exception to 210-12(D) AFCI protection shall not be required where the extension of the existing conductors is not more than 1.8 m (6 ft.) and does not include any additional outlets or devices, and in circumstances where the Building Official deems that it is not practical to comply with this requirement due to existing conditions, the requirement can be waived, provided every effort is made to comply with the intent of the code.

**Page 70-86** Article 230.28(A) Re-write the section to read as follows:

(A) Strength. Service masts used for the support of overhead service drop conductors need to meet current utility company requirements

**Page 70-87**, Article 230.43 Wiring Methods for 1,000 volts Nominal, or Less

Delete the section in its entirety. Rewrite to say, "unless special permission is granted by authority having jurisdiction, only the following wiring methods shall be used for service entrance conductors:"

- 1) Rigid metal conduit (RMC)
- 2) Intermediate metal conduit (IMC)
- 3) Electrical metallic tubing (EMT)

**Page 70-137**, Article 300.5(A) Minimum Cover Requirements.

Add a paragraph to the end of the section to read:

"Underground installation of electrical conductors cannot be located in the same trench with plumbing or gas service(s) unless the distance between all utility services located in the same trench is a minimum of twelve (12) inches measured in a horizontal dimension. Utility services located in separate trenches shall be located a minimum of twelve (12) inches apart horizontally."

Exception: Plumbing and electrical systems that are part of a swimming pool installation may be located in the same trench in circumstances where the Building Official determines that it is not practical to comply with the separation requirement.

**Page 70-182**, Article 320.12 Uses Not Permitted

Add a new number (6) to read:

(6) "In any occupancy other than one and two family dwellings.

**Page 70-19**, Article 334-10 Uses Permitted

Delete Items (2), (3), and (5) with no substitution.

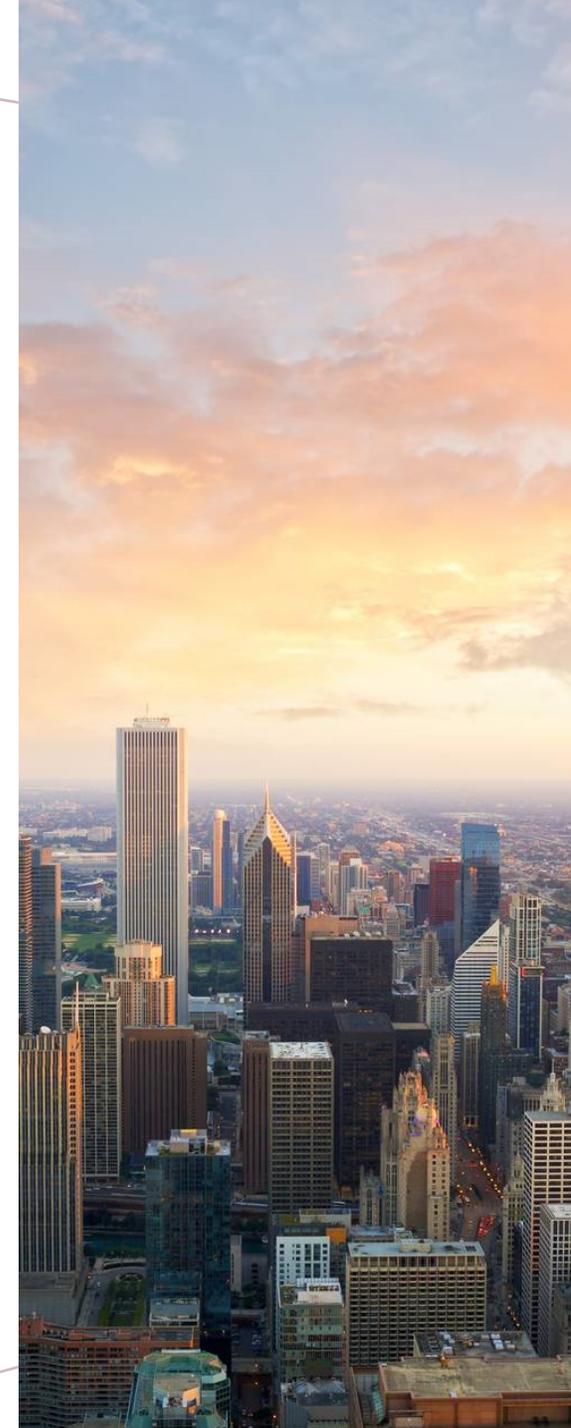
**Page 70-811** Article 80.15(G)

Delete this entire section and replace with "The provisions of Section 8-1-15 of the Village Code shall govern and control the means of appeal."

*2024 STATE OF  
ILLINOIS REQUIRED  
CODE UPDATE*



The State of Illinois recently passed legislation ([Public Act 103-0510](#)) changing the Capital Development Board Act to require statewide building codes effective 1/1/2025.



The baseline building code required by the state of Illinois is as follows:

- 1, International Building Code including Appendix G;
2. International Existing Building Code;
3. International Residential Code

The code year adopted must be the most current code year, or within the preceding 9 calendar years.

We have decided to adopt the 2018 Code Cycle.

Why?

The 2018 code year is a stable set of codes to adopt. Some of the newer versions (2021 and 2024), have made some changes which will revert to requirements of previous code year adoptions.

Lake Villa is serviced by Lake County for all their building plan reviews and building inspections. Lake County has adopted the 2018 Code Cycle as well. We have been able to mirror the change made by the county with specific village requirements. This has made the new code adoption process easier. The plan review staff and inspectors will be working with the same code.

We will now have 2 years before the next code update is required. If we continue to stay with the county adoption, it will make for a seamless process.

# *LIST OF CODES*

2018 International Building Code

2018 International Residential Code

2018 Existing Building Code

2018 International Mechanical Code

2018 International Fuel Gas Code

2018 International Swimming Pool and Spa Code

2018 International Fire Code

2018 International Property Maintenance Code

2017 National Electric Code

2014 Illinois Plumbing Code – Current required code

2021 Illinois Energy Conservation Code – Current required code



*THANK YOU*



**LAKEVILLA FIRE**  
PROTECTION DISTRICT

# **ADOPTION OF INTERNATIONAL FIRE CODE 2018**

presented by  
**Fire Marshal Dave Mohry**

# ADOPTED STANDARDS:

## National Fire Protection Association



- 01 NFPA 10 Portable Fire Extinguishers, 2018 edition
- 02 NFPA 13 Automatic Sprinkler Systems, 2016 edition
- 03 NFPA 13R Sprinkler Systems in Residential Occupancies, 2016 edition
- 04 NFPA 13D Installation of Sprinklers in One and Two-Family Dwellings, 2016 edition
- 05 NFPA 14 Standpipe and Hose Systems, 2016 edition
- 06 NFPA 15 Water Spray Fixed Systems, 2017 edition
- 07 NFPA 16 Installation of Foam Water Sprinkler and Foam Water Spray Systems, 2015 edition
- 08 NFPA 20 Installation of Centrifugal Pumps, 2016 edition
- 09 NFPA 24 Installation of Private Fire Service Mains and their Maintenance, 2016 edition
- 10 NFPA 25 Inspection, Testing and Maintenance of Water Based Fire Protection Systems, 2017 edition
- 11 NFPA 70 National Electrical Code, 2017 edition
- 12 NFPA 72 National Fire Alarm Code, 2016 edition
- 13 NFPA 96 Installation of Equipment for the Removal of Smoke and Grease Laden Vapors for Commercial Cooking Equipment, 2017 edition
- 14 NFPA 101 The Life Safety Code, as adopted by the OSFM
- 15 NFPA 1123 Fireworks Display, 2018 edition
- 16 NFPA 1124 Manufacture, Transportation, Storage and retail sales of fireworks and pyrotechnics, 2017 edition



## **506.3 - Electric shunt switch.**

Electric shunt switch. An electric Knox shunt/shut off switch shall be required in buildings of all use groups with multiple electric services.

## **507.5.1.1 Hydrant for Fire Department connections.**

Hydrant for Fire Department connections. Hydrants shall be located within 100 feet to any fire department sprinkler or standpipe connection as determined by the fire code official.



## **606.1.1- Automatic elevators for Fire Department use.**

Automatic elevators for Fire Department use. Where elevators are provided in buildings that are: (1) two or more stories above grade plane; (2) two or more stories below grade plane; or (3) are use groups I, R-1 or R-2, at least one elevator shall be provided for fire department emergency access to all floors. The power supply for these elevators shall be normally provided by the premises' electrical supply. In the event of a power supply failure, an emergency electrical system shall automatically provide power for a duration of not less than 24 hours, installed per section 604. Elevators designated as emergency access shall accommodate an 88" long and 26" wide stretcher within the elevator cab, accounting for handrails and shall be identified by the international symbol for emergency medical services (star of life) The symbol shall not be less than 3 inches (76 mm) high and shall be placed inside on both sides of the hoist way door frame.



## 903.3.5.4 – Multi-tenant occupancy.

Multi-tenant occupancy. When an automatic fire suppression system is installed in a new multi-tenant building, each tenant shall have its own sprinkler supply line off the main or riser with its own water flow switch and control valve. A strobe light shall be mounted on the exterior front of that tenant space and as indicated in Section 903.4. The strobe light shall activate upon water flow and/or fire alarm activation within the individual unit.



## 903.4.2 – Alarms.

Alarms. An approved audible device, located on the exterior of the building in an approved location, shall be connected to each automatic sprinkler system. Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. An exterior audio/visual device shall be located over the fire department connection in addition to the alarm bell. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

## 903.4.3 Floor control valves.

Floor control valves. Approved supervised indicating control valves and waterflow devices shall be provided at the point of connection to the riser on each floor in any buildings over two stores above or below grade.





## THRESHOLD FOR RESIDENTIAL AND COMMERCIAL SPRINKLER SYSTEMS

Request to amend the 2018 IFC to require sprinkler systems for all new residential and commercial structures within the village of Lake Villa.

### Facts:

- 75.5% of all structure fires occur in residential occupancies
- Accounted for 96% of civilian fire fatalities
- 90.8% of civilian fire injuries
- 71% of property loss
- Modern home furnishings, fire doubles in size every 20 seconds
- Flashover occurs in 3 minutes and 30 seconds

# Vision And Mission

## Comparable Community

Surrounding communities have already adopted the zero square footage sprinkler ordinances successfully.

## Average Cost

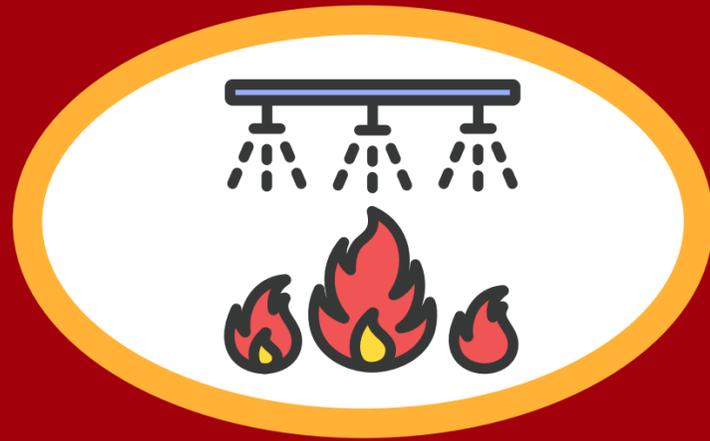
Ranch Home: 1300-1600 sq. ft.  
\$5200-\$8500

2-Story: 1600-2200 sq. ft.  
\$6500-\$8500

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Home owner insurance savings  
**5- 20%**

# HISTORY



## Fall 2023

- Lake County Board adopts zero square footage for all new residential structures.
- Maximum threshold for commercial of 5000 feet.



## Easter Day Fire

2023



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