



# Lead Service Line Replacement Program

*September 13, 2022*  
*Status Update*



# Presentation Agenda

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- Lead Service Line Replacement Program Overview
- Lead Water Service Line Inventory Status
- Current Available Funding
- Potential Policy and Cost Impacts
- Next Steps



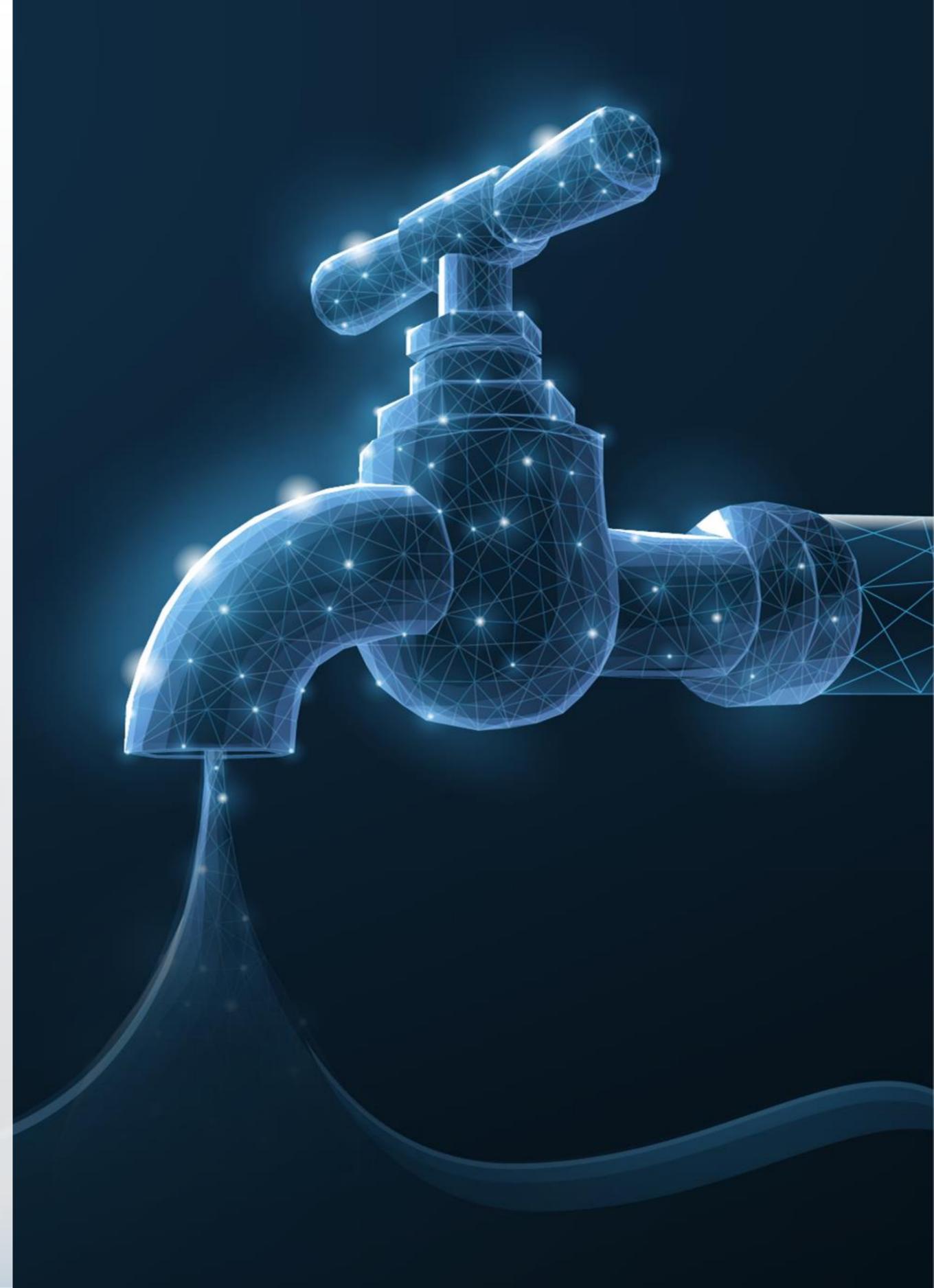
# Lead Service Line Replacement Program Overview

# Background Information

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## State of Illinois Lead Service Line Replacement and Notification Act

- New State law went into effect January 1, 2022, with intent to replace lead services in Illinois
- Mandates **all** Illinois community water suppliers (CWS) to:
  - Make an inventory of all lead water service lines owned by the Village and private property owners
  - Develop a lead line replacement program to replace lead lines
    - Includes private property service lines
    - **Partial replacements are prohibited**
- As a CWS, the Village must comply with the Act



# State of Illinois Lead Service Line Replacement and Notification Act Timeline

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- Key regulatory deadlines:

- **August 27, 2021:** Act signed into law
- **January 1, 2022:** Act goes into effect; partial lead line replacements prohibited
- **April 15, 2023:** Submit an updated materials inventory to Illinois Environmental Protection Agency (IEPA)
- **April 15, 2024:** Submit a final materials inventory and initial LSLR plan
- **April 15, 2024–April 15, 2027:** Update and submit LSLR plans annually based on improvements
- **April 15, 2027:** Submit a final LSLR plan; begin annual LSL replacement

# Notification Act: Issues and Concerns

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- In August, the Village sent a memorandum to the Illinois Municipal League (IML) to inform IML of concerns regarding the Act's impact upon funding and residents
- Key concerns:
  - **Resource availability:** External funding may be depleted prior required replacement in 2027
  - **Inequity in replacement schedule:** Disregards size of CWS and financial resources
  - **Inequity in funding source requirements:** Certain loan programs require replacement of **both** public and private service line sides (IEPA) and prohibit charging residents
  - **Fiscal impact:** Communities with higher lead percentages will have to either pass costs to residents or divert funding from scheduled water service replacements
  - **Resident affordability:** Act permits residents to waive replacement of private service line, so only those who can afford replacement will be able to do so

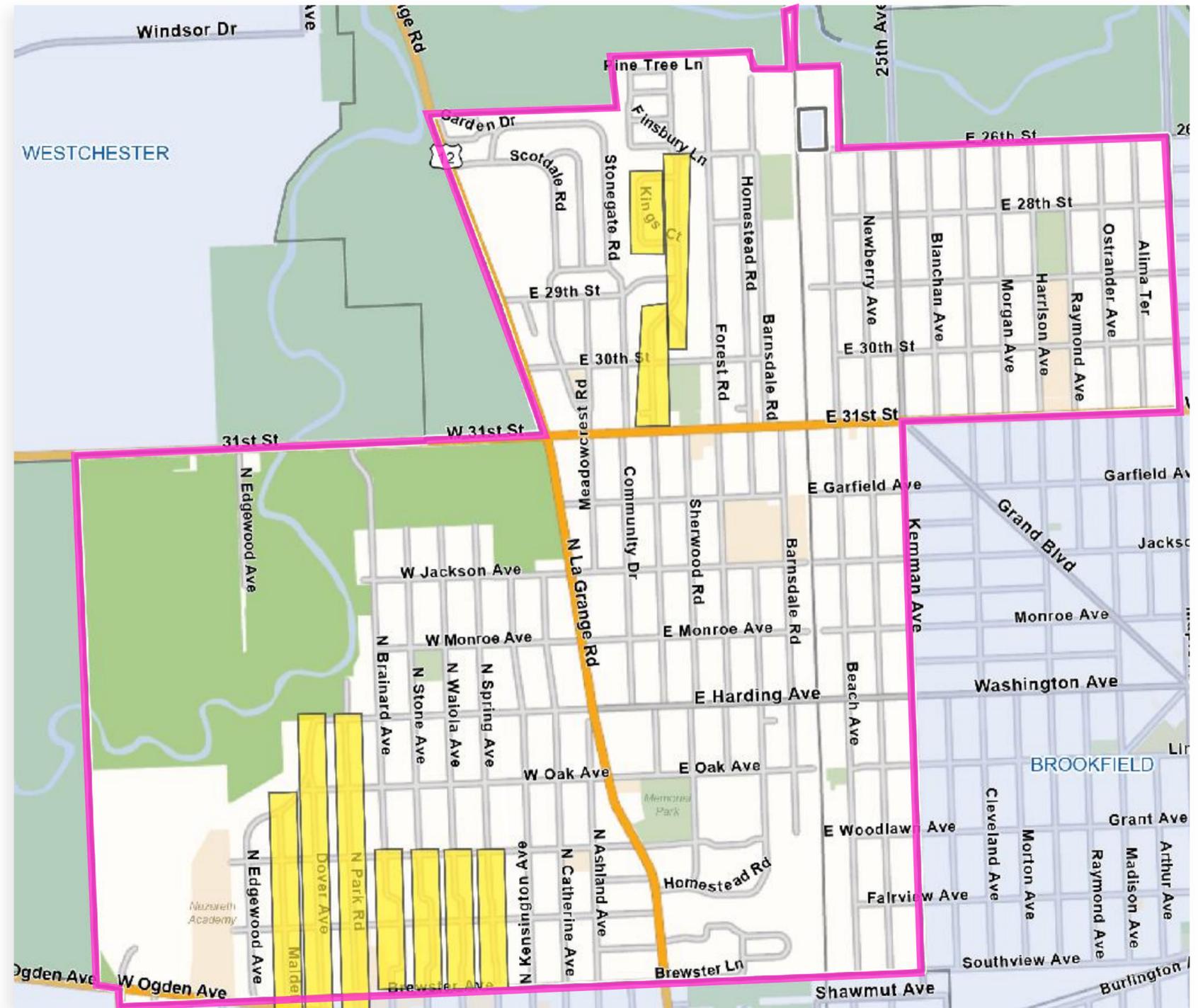


# Water Service Line Material Inventory Status Update

# Data Collection

## 2022 Targeted Inspection Area

- 4,124 private service lines in community
- **April 2022:** Identified an initial survey area of 471 homes that were most likely to have lead service lines
- **May:** Sent informational postcards to households in targeted area asking residents to schedule a free inspection with Hancock Engineering
- **June:** Door-to-door inspections and hang tags delivered to unresponsive households



Initial Program Survey Area

# Data Collection

## Postcards & Village E-Briefs



**VILLAGE OF LA GRANGE PARK**  
 EST. 1892

**Have you received a Village postcard about scheduling a lead service line home inspection?**

If so, please call Hancock Engineering at 708-865-0300 by Friday, May 20 to schedule your free appointment.

**HANCOCK ENGINEERING**

**VILLAGE OF LA GRANGE PARK**  
 EST. 1892

### How to Identify Your Meter

As part of the Village's Lead Service Line Replacement Program, residents are asked to take a brief online survey and help identify their home's water service line material. For more information about the survey and lead services, visit [www.lagrangepark.org/leadlinereplacement](http://www.lagrangepark.org/leadlinereplacement).

TYPE OF METER	WATER	GAS	ELECTRIC
LOCATION	Inside your home, typically in a basement or crawl space	Outside your home, usually on the side or rear	Outside your home, usually near the fuse or breaker box
EXAMPLES			

Image source: Energy Gov

**Village of La Grange Park**  
**Special E-Briefs**  
*Keeping Residents Informed*

**May 25, 2022**

### Village News - Lead Service Line Replacement

**The Village needs your help!** Recently, approximately 450 households received an informational postcard with instructions to schedule a free, in-home inspection with the Village's contractor, Hancock Engineering. The Village would like to thank the 128 residents who have already scheduled their appointments. Staff will hand deliver reminder flyers to the remaining residents in the initial Lead Service Line survey area this week. If you receive this flyer, please contact Hancock Engineering as soon as possible!

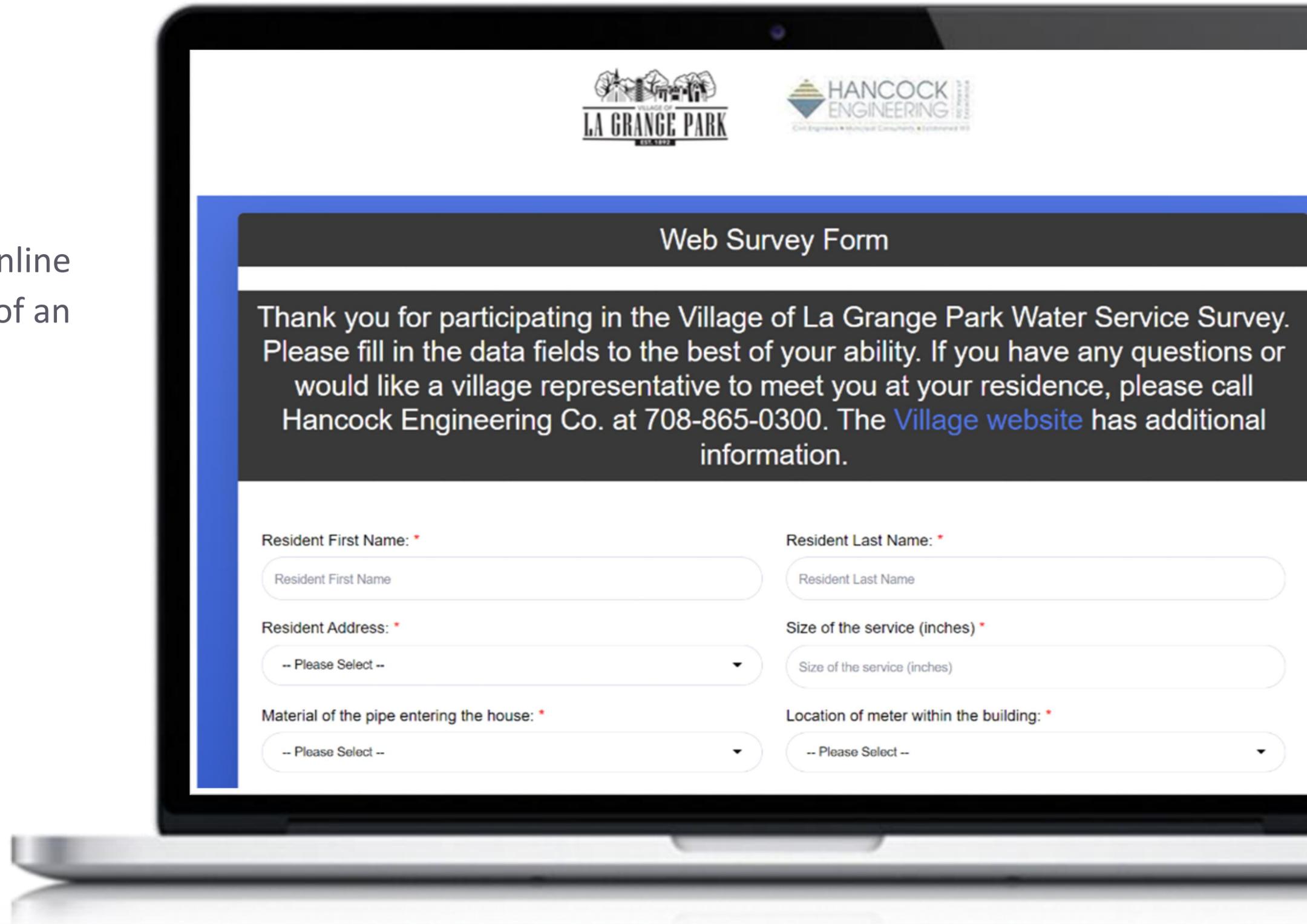
The homes in the initial survey area are located on the following streets (highlighted on the map in yellow):

- **Park Road** from Ogden Avenue to Harding Avenue

# Data Collection

## Survey Phase

- **June:** Asked remaining Village households (3,653) to complete an online water service material survey in lieu of an inspection
  - Survey asks residents to provide information on water service line material, size, and location

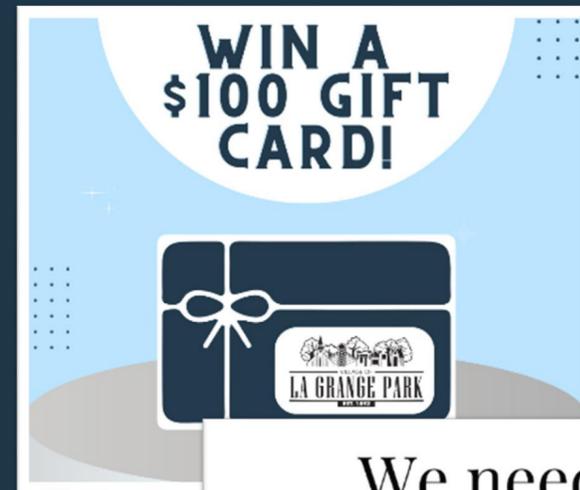


The screenshot shows a laptop screen displaying a web survey form. At the top, there are logos for the Village of La Grange Park and Hancock Engineering. The form title is "Web Survey Form". Below the title is a thank-you message: "Thank you for participating in the Village of La Grange Park Water Service Survey. Please fill in the data fields to the best of your ability. If you have any questions or would like a village representative to meet you at your residence, please call Hancock Engineering Co. at 708-865-0300. The [Village website](#) has additional information." The form contains six input fields arranged in two columns. The left column has: "Resident First Name:" with a text input field; "Resident Address:" with a dropdown menu showing "-- Please Select --"; and "Material of the pipe entering the house:" with a dropdown menu showing "-- Please Select --". The right column has: "Resident Last Name:" with a text input field; "Size of the service (inches):" with a text input field; and "Location of meter within the building:" with a dropdown menu showing "-- Please Select --".

# Data Collection

## Survey Phase

- **July:** Service material video, National Night Out information booth, *Rose Clippings* spread
- **August:** Restaurant raffle



We need  
**YOUR**  
help!

**TAKE SURVEY**

### Village Kicks Off Lead Service Line Replacement Program

**State of IL Lead Service Line Requirements**

Your help in inventorying water service materials throughout our community is critical, as the Village is required by new State of Illinois law to identify:

- The total number of service lines connected to the community's water system
- The materials that each service line is constructed of
- The number of suspected lead service lines identified since the last inventory was submitted to the IEPA
- The number of suspected or known lead service lines replaced since the last inventory was submitted to IEPA

Once the survey is completed, the Village will develop a comprehensive Lead Service Line Replacement Plan that will be presented before the Board of Trustees for public comment. The Plan must:

- Account for the full replacement of lead service lines (partial replacements limited to the public right of way are prohibited)
- Prioritize replacements for water service to high-risk facilities such as preschools, day cares, playgrounds, hospitals, and clinics
- Follow a replacement schedule based on the total number of lead service lines reported in the inventory.

Learn more on the Village's website at [www.lagrangepark.org/leadlinereplacement](http://www.lagrangepark.org/leadlinereplacement).

The Village of La Grange Park is dedicated to providing our community with high-quality public services and safe drinking water. As part of this commitment, and in compliance with State of Illinois requirements, the Village began its Lead Service Line Replacement Program this spring to identify private lead service lines in our community and develop a strategic plan for their future replacement. Although La Grange Park's water meets the Environmental Protection Agency's (EPA) lead level requirements, some of the pipes that connect older homes to the Village's water system are made from lead. Lead service lines are a health concern because they can be a source of lead in tap water. Please visit the Village's website for detailed information at [www.lagrangepark.org/leadlinereplacement](http://www.lagrangepark.org/leadlinereplacement).

**The Village Needs Your Help!**

The Village's first step in the Program is identifying the total number of private lead service lines in the community. As of mid-July, the Village has mailed each home in the community at least one special postcard about the Program with instructions to either schedule a free, at-home survey or complete an online survey to identify your home's water service line material. The Village is grateful for all of the households that have already responded.

**If you did not receive a postcard or misplaced yours,** the Village requests that you now complete an online survey to identify your home's water service line material. You can scan the QR code above to complete the online survey for your property or visit [www.lagrangepark.org/leadlinereplacement](http://www.lagrangepark.org/leadlinereplacement). If an inspector has already come to your home to determine your water service line material, you do not need to complete the survey.

The online survey will only take a few minutes and asks you to identify your home's water service line material and location in three easy steps. All you will need to determine the material type is a refrigerator magnet, screwdriver, and coin. Pipes can be made of lead, galvanized steel, copper, ductile iron, or brass. Depending upon survey results, your home may need to have an at-home inspection as well, but the Village will contact you separately if that is the case.

**If you are unable to complete the online survey, or would prefer to schedule a free at-home inspection instead, please contact Hancock Engineering at 708-865-0300 for assistance.**

Following completion of the lead service line inventory later this year, the Village will create a prioritized schedule to replace lead service lines and a funding strategy to pay for service line replacement. The Village intends to apply for significant state and/or federal funding to offset the cost of private lead service line replacement and will present information on next steps to the community during a public hearing in spring 2023.

The Village greatly appreciates your cooperation in making this project a success! Please sign-up for the Village's weekly E-Brief for timely program updates.

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# Data Collection

## Survey Phase

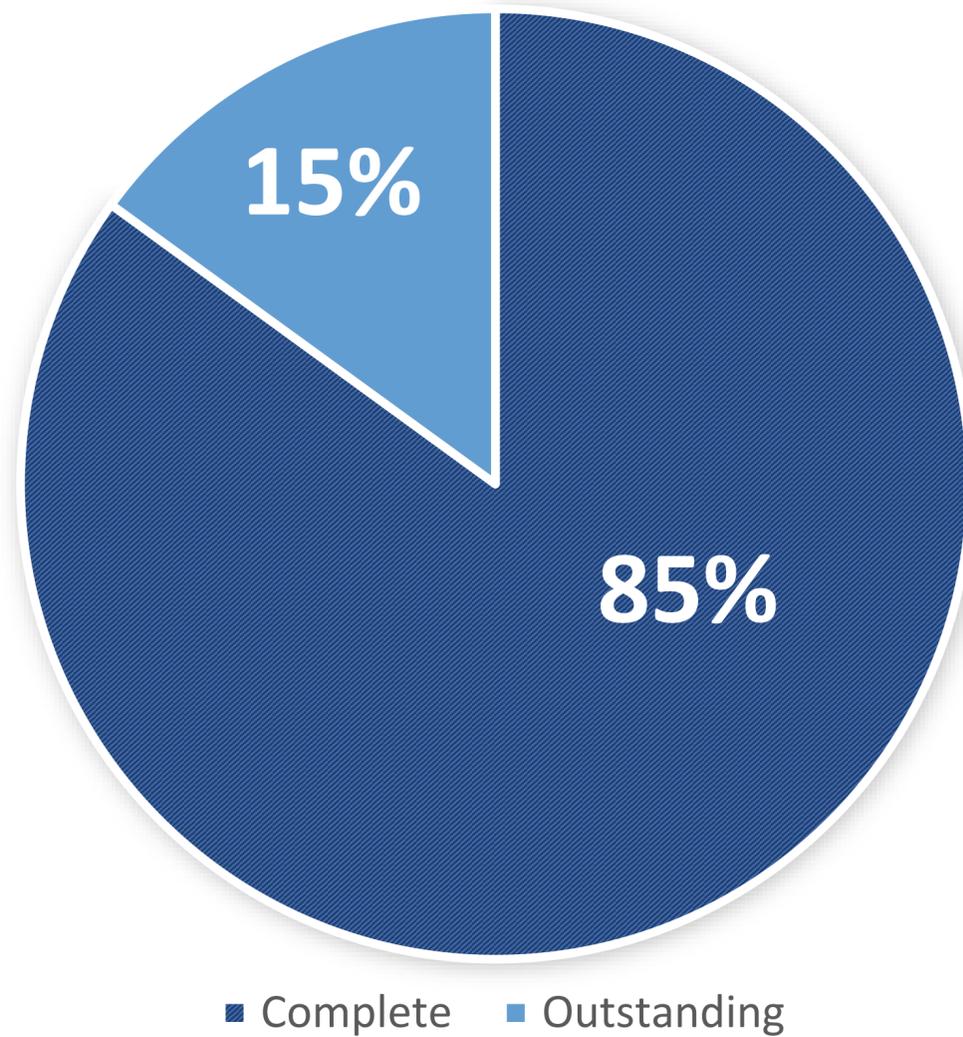
- **September:** Door-to-door inspections and hang tags delivered to unresponsive households
- **October:** Door-to-door inspections



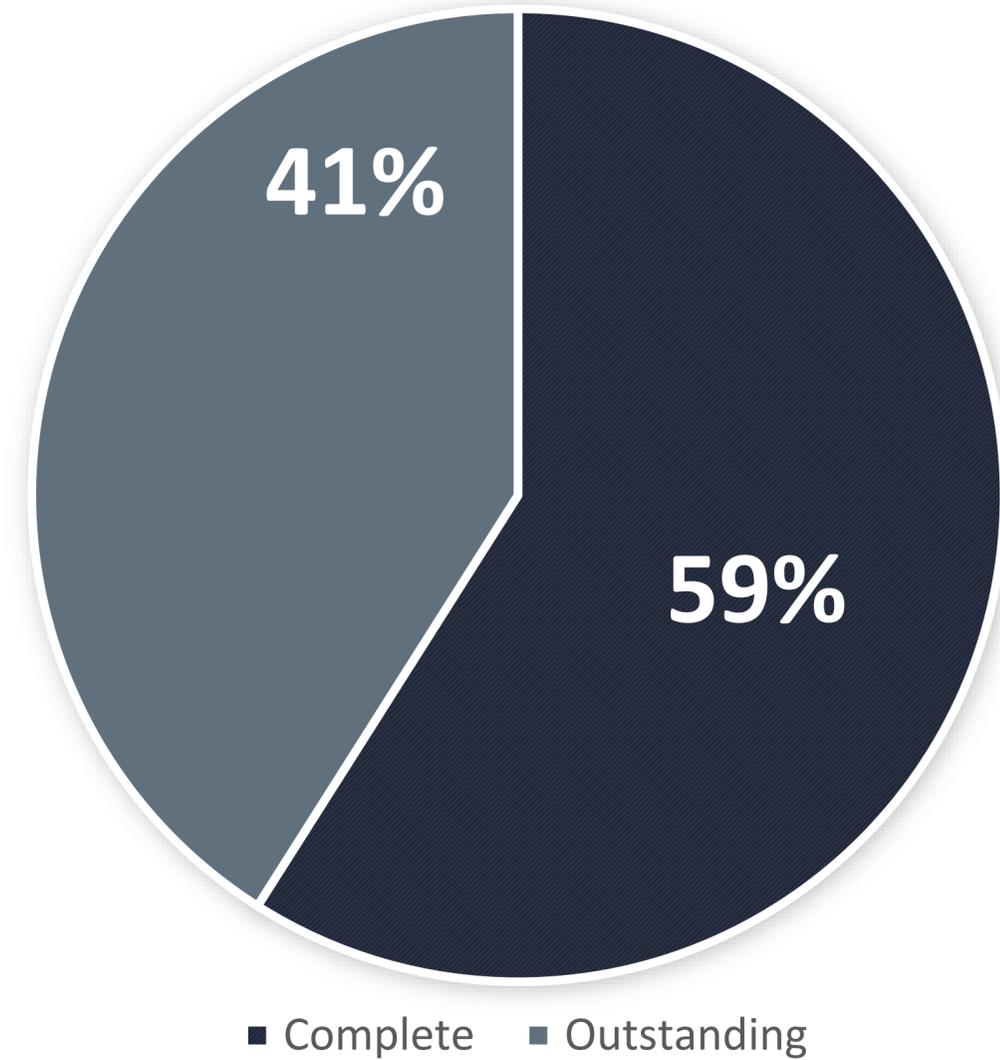
# Service Line Material Data: Completed Surveys

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Percentage of Initial Area Inspections Completed



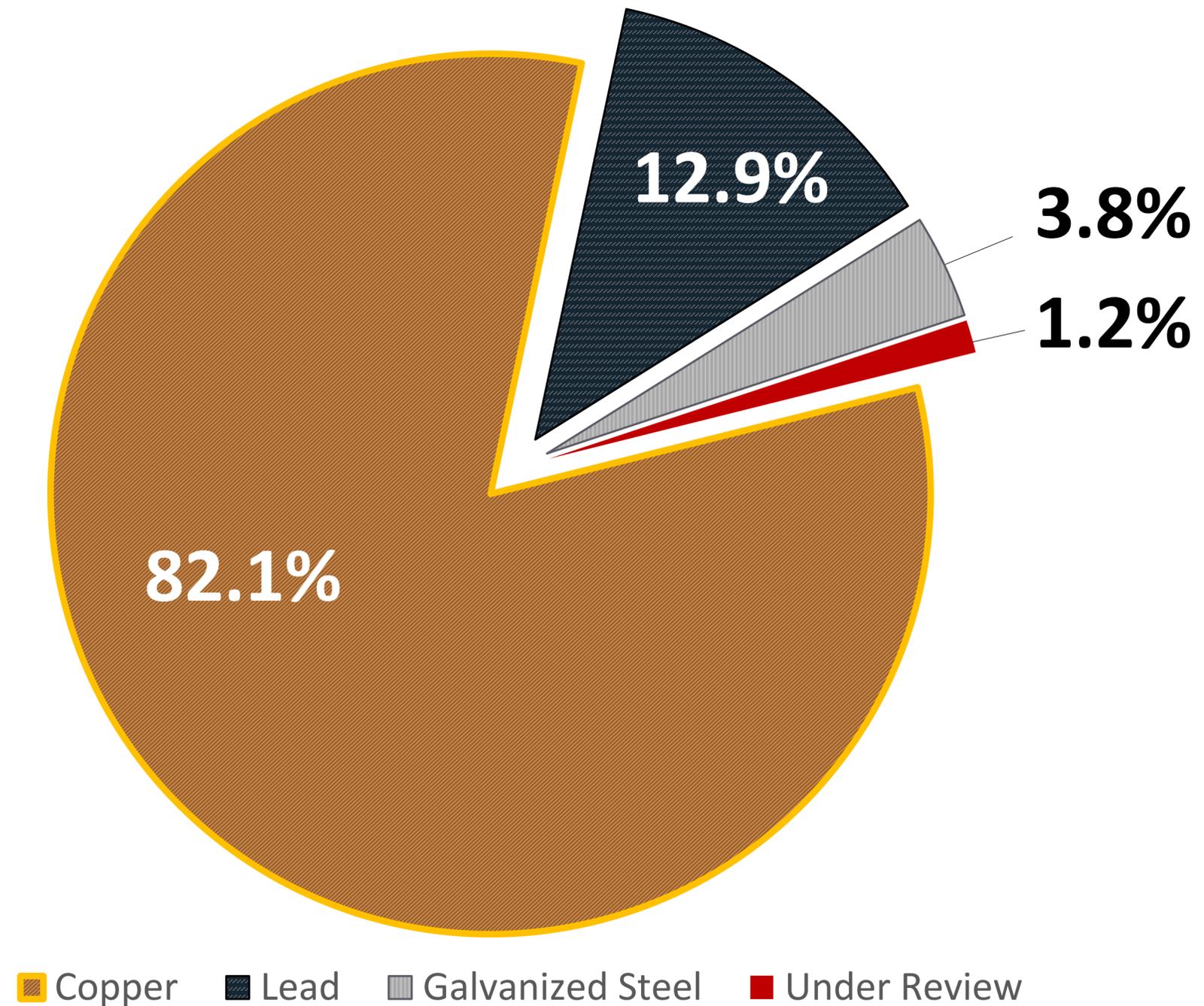
Percentage of Household Surveys Completed



# Service Line Material

- Material identified for 62% of **private** service lines (2,116)
- Per the Act:
  - **All lead, galvanized steel, and unknown service lines must be replaced**
  - Village is required to replace 7% of lead lines per year starting in 2027 (IEPA threshold)
- Copper is the predominant material type and does not need to be replaced
- Lead is the second most common, but much lower percentage than anticipated

Private Service Line Material Type (Of Known)



# Data Verification

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## Hydro Excavation (“Potholing”)

- To ensure data accuracy of both public and private sides, staff intends to pothole service lines in select locations
- A contract will be brought to the Village Board in the coming months with additional information





# Current Available Funding

# Current Available Funding: Federal/State

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- Federal Infrastructure Investment and Jobs Act (IIJA) appropriated \$15 billion nationally for lead service line replacements over the next five years
- **State of Illinois will receive approximately \$565 million** during that time and will program funds through the State Revolving Fund's Public Water Supply Loan Program (PWSLP)
- IEPA funds are not guaranteed, and the Village may not receive all funding applied for



# IEPA Funding Breakdown

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- Initially, IEPA loan funding was to be 100% forgiven (capped amount)
- Village will apply for IEPA FY 2023 loan funding by **March 31, 2023**
  - Working ahead on five-year plan to increase likelihood of receiving PWSLP loan funding
- PWSLP loan forgiveness breakdown
  - IEPA forgives 49% of total loan amount
  - Village must pay 51% of loan amount
- Note: IEPA loan funding effectively prevents the Village from charging residents for private service line replacement

# Current Available Funding: Other Sources

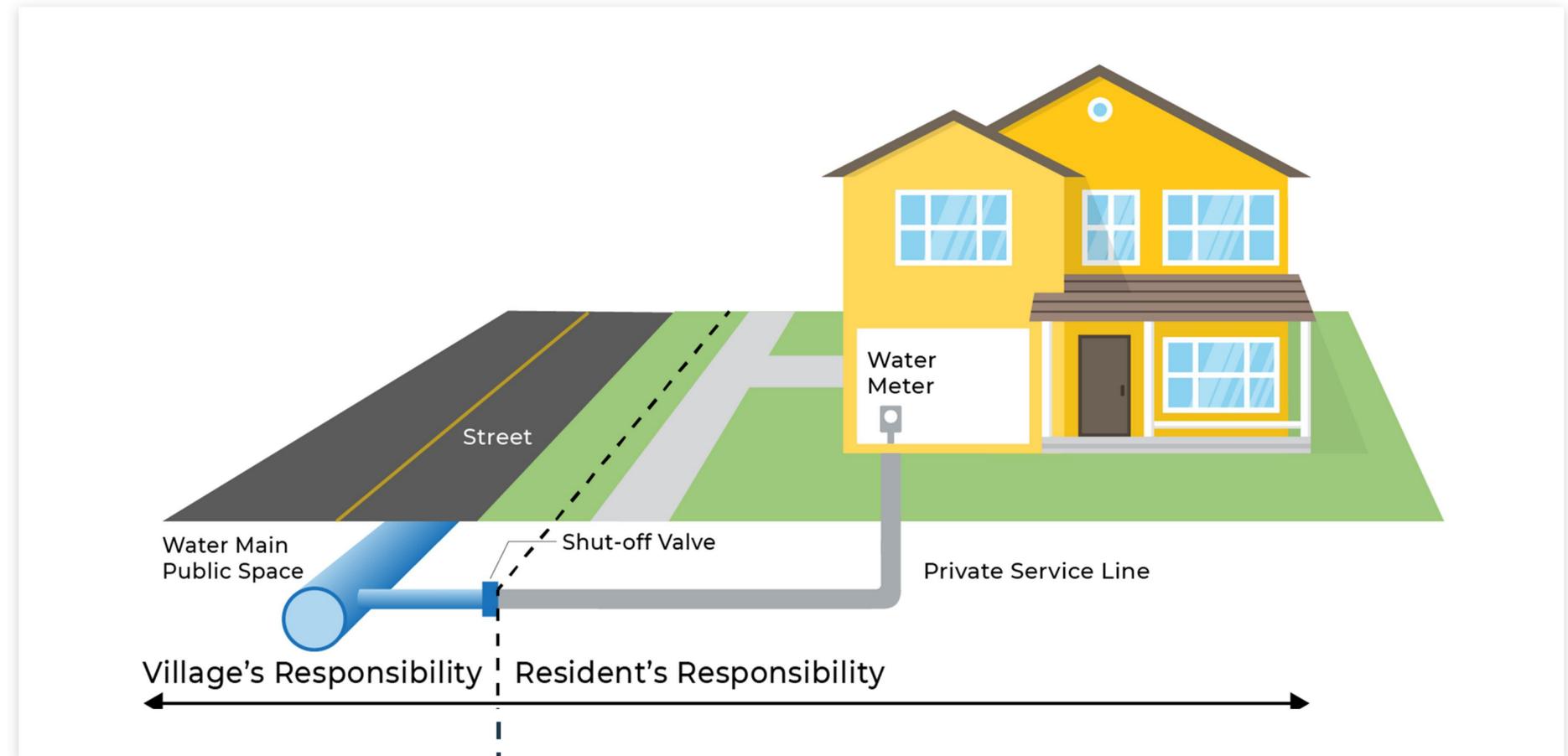
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- Community Development Block Grants (CDBG)
  - Village does not currently have any qualifying areas
- American Rescue Plan Act (ARPA)
- Illinois Department of Commerce and Economic Opportunity (DCEO)
- Illinois Army Corps of Engineers



# Current Replacement Policy

- **Current Village replacement policy:**
  - Village pays for replacement of public side, inclusive of restoration costs
  - Resident is responsible for private side



\$6,800

\$5,200

*Approximate costs. Estimate does **not** include interior home restoration fees.*

# Potential Funding Options: Overview

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- **Option 1:** Current Village policy
  - Village pays to replace public side, and resident pays for private side
- **Option 2:** Village pays for 100% replacement
  - Village pays to replace **both** public and private sides of water line
- **Option 3:** Resident “grant”
  - Village pays to replace public side; and
  - Village provides impacted residents with a one-time payment to assist with private side replacement
- **Option 4:** 50% private side cost share
  - Village pays for public side; and
  - Village pays for up to 50% of private line replacement (capped amount)
- **Note:** Options 1,3, and 4 make utilizing IEPA loan funding difficult.

# Cost Comparison by Funding Option

**Table 1: Annual Cost Per Option by Service Line (1,017 Services Replaced)**

	Village Share		Resident Share
	Total	Annual	
<b>Option 1: Current Policy</b>	\$6,895,000	\$483,000	\$5,200
<b>Option 2: 100%</b>	\$12,092,000	\$846,000	\$5,200
<b>Option 3: Fixed Dollar</b>	\$8,929,000	\$625,000	\$5,200
<b>Option 4: 50% with Cap</b>	\$9,494,000	\$665,000	\$5,200

**Table 2: Annual Cost Per Option by Service Line (1,235 Services Replaced)**

	Village Share		Resident Share
	Total	Annual	
<b>Option 1: Current Policy</b>	\$8,373,000	\$502,000	\$5,200
<b>Option 2: 100%</b>	\$14,684,000	\$881,000	\$5,200
<b>Option 3: Fixed Dollar</b>	\$10,843,000	\$651,000	\$5,200
<b>Option 4: 50% with Cap</b>	\$11,529,000	\$692,000	\$5,200

# Potential Funding Mechanisms

**Table 3: Potential Rate Increase for 1,017 Services Replaced**

	Flat Rate: Monthly	Water Rate Adjustment (Per 100 Cubic-Feet Used)
<b>Option 1: Current Policy</b>	\$9.75	\$1.09
<b>Option 2: 100%</b>	\$17.10	\$1.92
<b>Option 3: Fixed Dollar</b>	\$12.63	\$1.42
<b>Option 4: 50% with Cap</b>	\$13.43	\$1.51

**Table 4: Potential Rate Increase for 1,235 Services Replaced**

	Flat Rate: Monthly	Water Rate Adjustment (Per 100 Cubic-Feet Used)
<b>Option 1: Current Policy</b>	\$10.15	\$1.14
<b>Option 2: 100%</b>	\$17.80	\$2.00
<b>Option 3: Fixed Dollar</b>	\$13.15	\$1.47
<b>Option 4: 50% with Cap</b>	\$13.98	\$1.57



# Next Steps

# Next Steps

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- Data verification through potholing
- Continue collecting water line material information and updating inventory
- Submit IEPA loan application by March 31, 2023
- Keep the Village's current policy in place until IEPA loan/loan forgiveness information is released
- Revisit policy and funding discussion in the upcoming months





Thank You!