Lead Service Line Inventory

The Village of Hazel Crest
Lead in Water

Where does our water come from?

• Lake Michigan, like most Chicago-area communities
• Water is routinely tested per Illinois EPA requirements

Why is Lead Dangerous?

• There is no safe level of exposure to lead
• Children under 6 are most at risk as lead exposure can harm cognitive and physical development
Lead Service Lines

Lead Service Line: The service line is the pipe that runs from the water main to the home’s internal plumbing. Lead service lines can be a major source of lead contamination in water.

Copper Pipe with Lead Solder: Solder made or installed before 1986 contained high lead levels.

Faucets: Fixtures inside your home may contain lead.

Galvanized Pipe: Lead particles can attach to the surface of galvanized pipes. Over time, the particles can enter your drinking water, causing elevated lead levels.

Lead Goose Necks: Goose necks and pigtails are shorter pipes that connect the lead service line to the main.

Residential Lead Service Line Connected to Water Meter
Why We Started This Work?

Drinking Water 1-2-3
• Training from Metropolitan Planning Council (MPC) on best practices
Village applied for and awarded MPC technical assistance grant for BMP implementation

Mandate from Illinois
• Environmental Protection Act amended to require annual reporting of LSL in communities.
• Future legislation may require other steps like publishing the locations of LSL
Resolution to Take Direct Action to Mitigate exposure to Lead in Drinking Water

Hazel Crest Village President and Board of Trustees passed a resolution calling for locating and the eventual removal of lead lines.

• Important first step to outline how the Village will accomplish this goal.

BE IT RESOLVED, that the Village of Hazel Crest will take direct action to mitigate exposure to lead in drinking water; and,

BE IT FURTHER RESOLVED, that Village of Hazel Crest shall conduct a thorough, transparent inventory of all service lines based on probabilistic analysis with further refinement through field verification in partnership with residents when possible. The inventory shall contain information on; the total number of service lines; the material composition of all service lines, with specific attention to lead content, and their location; and,

BE IT FURTHER RESOLVED/ORDERED, that the Village of Hazel Crest shall create a lead service line replacement plan. The plan shall contain: estimated costs of full lead service line replacement; recommendations on cost-saving approaches for lead service line replacement; a prioritization schedule for replacement in vulnerable communities; a financial assistance program that ensures that all low-income households can participate in full service line replacement; a schedule and timeline for replacement; and,

BE IT RESOLVED, that the Village of Hazel Crest shall support state legislation consistent with these village actions

Actionable steps to address Lead from the Resolution
Online Inventory of Lead Locations

- County data, survey responses, IEPA samples, and older Village Documents
- Center for Neighborhood Technology (CNT) used predictive software to match known address with lead to similar households
Equitable Planning for Removal

Lead Service Line Replacement Plan
- Finalizing replacement plan with MPC
- Plan will include replacement priorities: income level, homes with children, blocks of concern, etc.
- Replacement Schedule and sources of funding will also be determined

Develop and promote educational material
- Website development and televised interview

Filtering Hazel Crest Households by income to determine high priority locations for replacement.
What is Left to do?

Implement Replacement plan
• Secure sources of funding and create a structure for residents to finance replacement
• Determine blocks of high priority for initial replacement
  ➢ High density of intersecting variables like lead, income, and homes with children

More Outreach
• Every inspection of a home’s water line improves our statistical model
• More cooperation = more success