



Drinking Water and Lead Service Lines

7.7.25 Committee of Whole

Purpose of Brief

- In April 2024, we updated the Board due to this being a topic among Villages as Villages deal with removing lead service lines to resident's home.
- With new board members, this brief is to inform and provide update.
- For our 2026 Consumer Confidence Report (CCR), we are to note we are in violation of IEPA mandate.
- Request by Public Works: Authorize replacing four (4) lead services lines with copper from b-box to meter this fiscal year at Village's expense via a contract.

Drinking Water and Lead Water Lines

- Drinking water contaminated with lead is harmful. Children are particularly at risk from the long-term effects of lead poisoning.
- In 2014, Flint Michigan had a water crisis related to lead in water.
- Since 2016, lead service pipe replacement effort in US has been underway.
- In 2017 in Illinois, Public Act 099-0922, community water supplies have been required to submit annual service line material inventories to IEPA.
 - Lead Service Line Replacement & Notification Act (LSLRNA) passed

Lead Service Line Replacement & Notification Act

- **Purpose:** LSLRNA is to require owners and operators of community water supplies to develop, implement, and maintain a comprehensive water service line material inventory and replacement plan.
- **Prioritize/Strategize:** A well-developed materials inventory will allow communities to prioritize and strategize the replacement of known lead service lines within their water distribution system.

Orland Park Verification and Inventory

- **What has the Village done for verification?**
 - Previous records and verification showed no lead with main lines or to the buffalo box.
 - For responsibility cut off point, this is in our Village Code and is like other Villages.
 - During the recent water meter program, we surveyed all our water service lines within residents and commercial businesses.
- **What found?**
 - Out of over twenty-two thousand (22,000) meter locations, there were only four (4) resident services identified as lead inside homes.
 - Letters were sent to the four (4) effected residents informing them of their situation per IEPA.
 - The residents overall response is they don't want it done.

IEPA requirements

- **IEPA differs from Village's responsibility**
 - IEPA considers the water services to be a municipality's responsibility all the way up to meter in the home or business, rather than the B-box, which is more extensive for municipalities.
 - It is still undetermined if the EPA will differ or agree with IEPA.
- **2027 Deadline**
 - If not replaced by owner, the Village will have to replace the lines from the water main to the meter at minimum of ¼ of list per year, or for us, one house per year.
 - The Village will have to complete a time-consuming yearly report that will have to be sent to the EPA, the IEPA, and IDPH until all the lead is removed from the system.
 - If the resident sells the house, the Village will have to remedy the lead service line in a timely manner at the Village's expense.

Update

- **Village Actions Since Apr 2024:**

- The Village submitted our inventory to IEPA summer of 2024.
- We are sampling 60 locations. While the four homes are required to be part of group, only three of the four are doing the sampling with one refusing.
- In July 2025, we will be in violation of the IEPA and must report it within twelve months on our 2026 Consumer Confidence Report (CCR) for water.

Cost/Other Funding Investigation

- Cost to replace the four (4) service lines would be between \$60K-\$80K.
 - Estimates: \$10K- \$15K per house based on other work in other Villages
 - \$20K contingency in case something is found in ground
- Any grants currently being offered are for inventory efforts and for disadvantaged communities.
- No grants currently being offered to offset the cost of replacing the services.

Options

1. Require the homeowners to fix within next two years. The Village is still required to complete the extensive annual reports, conduct 60 samples very 6 months, report violation. IEPA will require Village to pay for replacement in 2027. **April 2024 decision was this option.**
2. Replace the four service lines where lead is present at the Village's expense and become compliant, eliminating cost of reporting/sampling/staff time at estimated cost between \$60K and \$80K total.
3. Pass an ordinance that requires the residents to participate in replacing their service lines by 2027, or have their water turned down and a lien placed on their home until they comply with the replacement.

Purpose of Brief

- Request by Public Works to do Option 2 instead of Option 1: Authorize replacing four (4) lead services lines with copper from b-box to meter this fiscal year at Village's expense via a contract.