

Illinois EPA Bureau of Water Update

ILLINOIS LEAD SERVICE LINE INVENTORY AND REPLACEMENT

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Lead Service Lines Discussion

- Lead Service Line Inventory Background
 - Illinois Material Line Inventory (2017)
 - Requirements
 - Data
- National Primary Drinking Water Regulations
- Illinois Lead Service Line Replacement and Notification Act (2022)
 - Various Requirements
 - Rulemaking



Service Line Material Inventory (2017)

Public Act 09-0922, 415 ILCS 5/17.11 (*repealed)

- Lead Service Line Inventory Background
 - Illinois Material Line Inventory (2017)
 - Requirements
- Adopted 2017
- By 2018, each community water system required to develop and submit annually a water distribution system material inventory to the Agency.
- Material inventory to be updated annually until considered complete.
- The inventories identified:
 - the total number of service lines within or connected to the distribution system, including privately owned service lines;
 - the number of all known lead service lines within or connected to the distribution system, including privately owned lead service lines; and
 - the number of the lead service lines that were added to the inventory after the previous year's submission.
- National Primary Drinking Water Regulations
- Illinois Lead Service Line Replacement and Notification Act (2022)
 - Various Requirements
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Illinois Service Line Material Inventory Data

❑ Illinois Summary Data: 2020 Reporting Year – updated January 14, 2022

❑ 1,756 of 1,758 CWS's have reported inventory information

❑ Reported inventory data:

- | | | | |
|---|-----------|-----------|-------------------------------|
| • | 667,275 | 17.32% | Lead |
| • | 819,586 | 21.27% | Unknown |
| • | 367,756 | 9.55% | Copper w/lead solder |
| • | 62,958 | 1.63% | Galvanized |
| • | 263,767 | 6.85% | Unknown but not lead |
| • | 1,378,454 | 35.78% | Copper w/out lead solder |
| • | 38,223 | 0.73% | Cast/Ductile Iron or Transite |
| • | 275,490 | 7.15% | Plastic |
| • | Total: | 3,852,509 | |

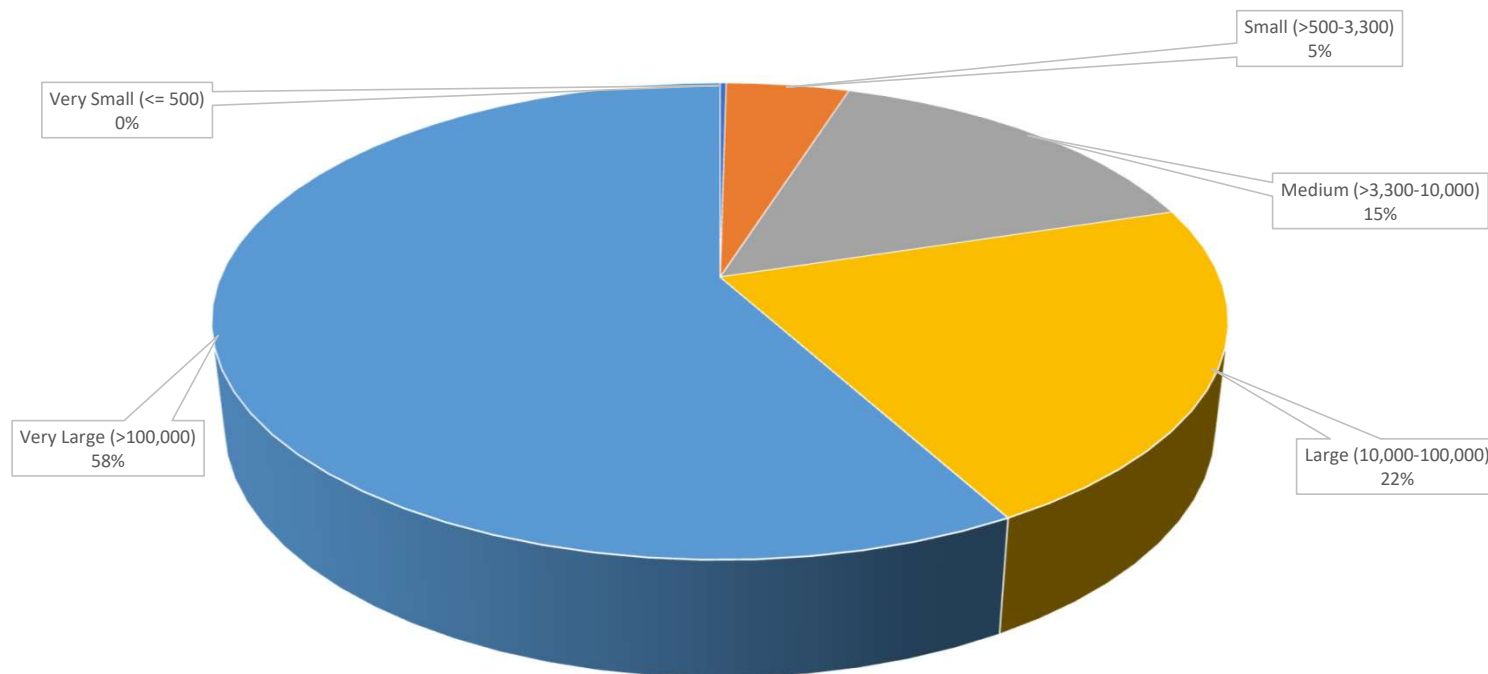


2020 Material Inventory by System Size

	Total # of connections incl. wholesale	Services Lead	Services Unknown Material	Total Combined	Avg. % lead service lines for system	% of state	% of state EXC. Chicago
Very Small <=500	189,551	1,547	43,620	45,167	23.83%	3.04%	4.60%
Small >500 to 3,300	686,206	31,190	153,715	184,905	26.95%	12.44%	18.85%
Medium >3,300 to 10,000	1,031,373	101,951	236,285	338,236	32.79%	22.75%	34.48%
Large >10,00 to 100,000	1,422,808	145,492	267,220	412,712	29.01%	27.76%	42.07%
Very large > 100,000	522,571	387,095	118,746	505,841	96.80%	34.02%	
TOTAL	3,852,509	667,275	819,586	1,486,861			



Distribution of Known Lead Service Lines



National Primary Drinking Water Regulations- Lead Service Line Replacement

- Requirements for State primacy (40 CFR 142, Subpart B)
- The State must adopt and implement regulations for contaminants regulated under the National Primary Drinking Water Regulations that are no less stringent than the regulations promulgated by EPA.
- 40 CFR 141.84 Lead and Copper Rule Revisions (LCRR)
 - Effective Date: December 2021
 - Compliance Date: October 2024
 - Requires:
 - Lead service line material inventory
 - Lead service line replacement plan
- New federal rulemaking: Lead and Copper Rule Improvements (LCRI)



Illinois Lead Service Line Replacement and Notification Act (2022) – 415 ILCS 5/17.12

- Repealed and replaced the service line material inventory requirements found in the Illinois Environmental Protection Act at 415 ILCS 5/17.11.
- Effective January 1, 2022
- Requires (among other things):
 - Material inventory
 - Lead service line replacement plan
 - Lead service line Advisory Board



Lead Service Line Advisory Board - Duties

415 ILCS 5/17.12(y)

The Advisory Board shall have, at a minimum, the following duties:

- Advising the Agency on best practices in lead service line replacement;
- Reviewing the progress of community water supplies toward lead service line replacement goals;
- Advising the Agency on other matters related to the administration of the provisions in 415 ILCS 5/17.12.
- Advising the Agency on the integration of existing lead service line replacement plans with any statewide plan; and
- Providing technical support and practical expertise in general.



Lead Service Line Advisory Board - Funding Recommendations

415 ILCS 5/17.12(z)

Before July 1, 2023, report recommendations to the Governor and General Assembly concerning opportunities for dedicated, long-term revenue options for funding lead service line replacement while considering:

- Sufficiency of various revenue sources to adequately fund replacement of all lead service lines in Illinois.
- Financial burden, if any, on households falling below 150% of the federal poverty limit
- Revenue options that guarantee low-income households are protected from rate increases
- Assessment of the ability of community water supplies to assess and collect revenue
- Variations in financial resources among individual households within a service area
- Protection of low-income households from rate increase.



Lead Service Line Advisory Board- Status Report

415 ILCS 5/17.12 (aa)

Before January 1, 2032, prepare and deliver a report to the Governor and General Assembly concerning the status of all lead service line replacement within the State.



Rulemakings- 415 ILCS 5/17.12

415 ILCS 5/17.12(cc)

“...the Agency shall design rules for a program for the purpose of administering lead service line replacement funds.”

415 ILCS 5/17.12(mm)

“The Agency may propose to the Board, and the Board may adopt any rules necessary to implement and administer this Section.”

