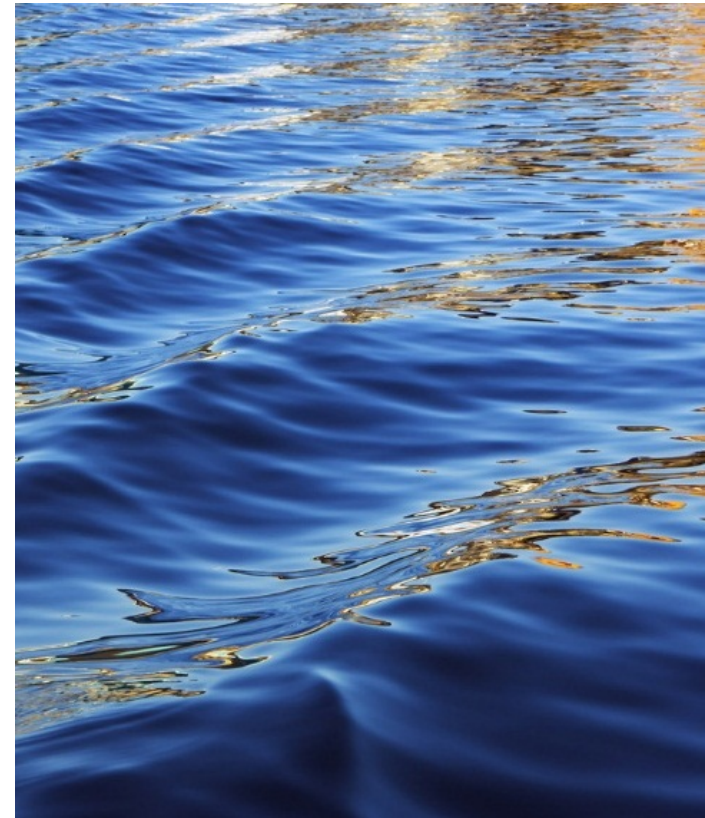




# Illinois EPA Lead Service Line Replacement

2021 CIFA Workshop  
October 4, 2021

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# Illinois Lead Service Line Background

- 1,794 Community Water Supplies in Illinois
- Illinois Population – 12.66 Million
- Number of lead service lines????
- Initial estimates from 500,000 to 1,000,000????
- State Law Passed January 2017 (modifies Section 17.11 of the Illinois Environmental Protection Act) requiring service line inventory information be submitted by all community water systems annually.

# Illinois – Service Line Material Inventory

State Law Passed January 2017 (PA 99-0922 section 17.11)

*Each community water system in the State shall develop a water distribution system material inventory that shall be submitted in written or electronic form to the Agency on an annual basis commencing on April 15, 2018 and continuing on each April 15 thereafter until the water distribution system material inventory is completed. In addition to meeting the requirements for water distribution system material inventories that are mandated by the United States Environmental Protection Agency, each water distribution system material inventory shall identify:*

- 1. the total number of service lines within or connected to the distribution system, including privately owned service lines;*
- 2. the number of all known lead service lines within or connected to the distribution system, including privately owned lead service lines; and*
- 3. the number of the lead service lines that were added to the inventory after the previous year's submission.*

*Nothing in this subsection shall be construed to require that service lines be unearthed.*

# Illinois Service Line Material Inventory

- Illinois Summary Data - 2019 Reporting Year
- 1,739 of 1,794 CWS's have reported inventory information
  - 677,359 Lead
  - 776,936 Unknown
  - 379,786 Copper w/ lead solder
  - 59,497 Galvanized
  - 329,656 Unknown but not lead
  - 1,310,041 Copper w/out lead solder
  - 34,543 Cast/Ductile Iron or Transite
  - 258,247 Plastic

# Illinois Service Line Material Inventory

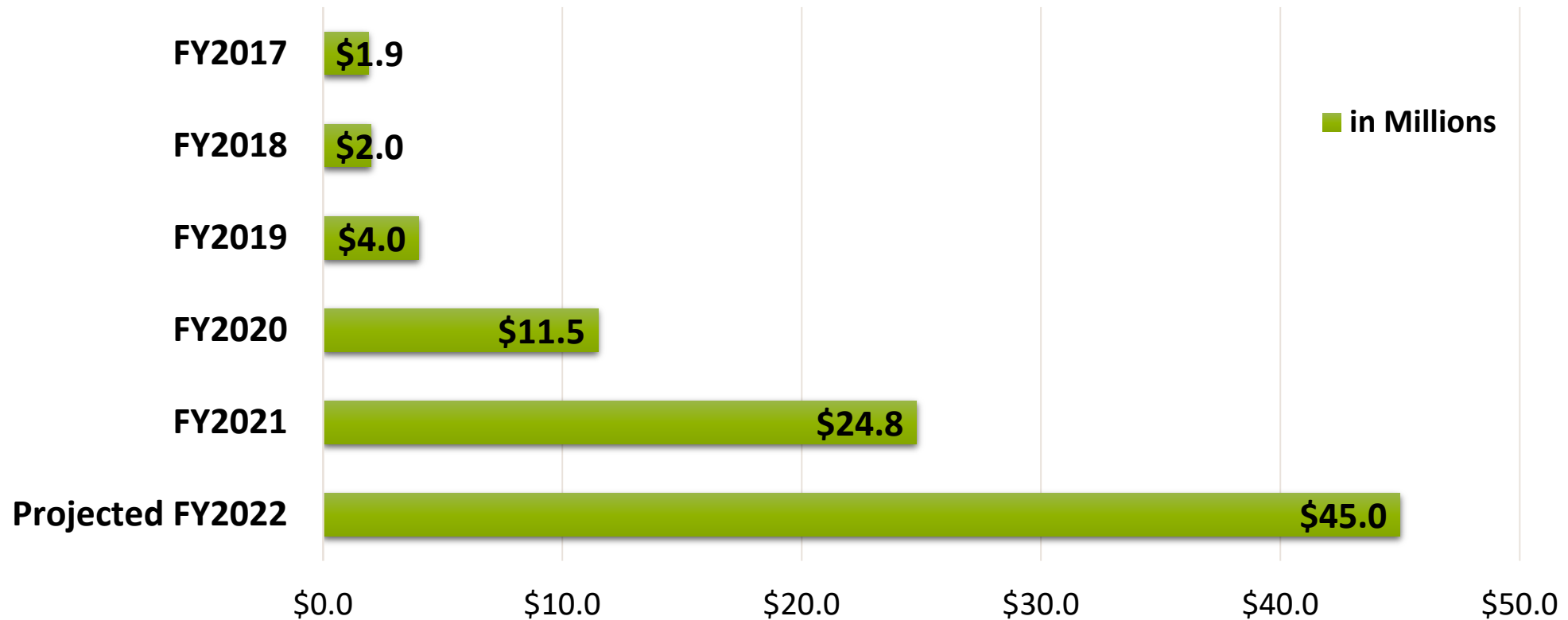
- City of Chicago - 2019 Reporting Year
- 519,584 Retail Connections
  - 389,893 Lead
  - 119,468 Unknown
  - 0 Copper w/ lead solder
  - 19 Galvanized
  - 3,469 Unknown but not lead
  - 3,701 Copper w/out lead solder
  - 4,601 Cast/Ductile Iron or Transite
  - 1 Plastic

# Illinois Service Line Material Inventory Info

- <https://www2.illinois.gov/epa/topics/drinking-water/public-water-users/Pages/lead-service-line-information.aspx>
- Search or Sort inventory by Facility Name, County, Reporting Year, etc.

# PWSLP Lead Service Line Replacement Principal Forgiveness

- First LSLR Funding Commitment 2017
- WIFTA Transfer initiated in FY2020 (\$3.2M of FY20\$ is WIFTA\$)
- Quickly more applications than available WIFTA Funding



# PWSLP Lead Service Line Replacement (LSRL) WIFTA Principal Forgiveness

- Illinois EPA took advantage of the Water Infrastructure Fund Transfer Act (WIFTA) – Transferring \$107,892,848 from the wastewater to drinking water SRF loan program solely dedicated to LSLR principal forgiveness.
  - FY2021 & 22 – Maximum of \$4M per recipient
- As of October 1, 2021 - \$28M of WIFTA funds committed.
- Projecting to commit an additional \$45M in WIFTA funds by end of FY2022.



# Lead Service Line Replacement What Does It Cost?

- “Urban” vs. “Rural” costs vary greatly  
(Design, Construction & Construction Oversight)

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|   |          |
|---|----------|
| Galesburg (RURAL - avg cost per home - 1,385 homes)   | \$4,275  |
| Assumption (RURAL - avg cost per home – 60 homes)   | \$7,318  |
| Merrionette Park (URBAN – avg cost per home – 125 homes)  | \$8,968  |
| Montgomery (URBAN – avg cost per home – 105 homes)  | \$13,324 |
| Rockford & Springfield (population over 100,000) Doing all planning and design engineering in house AND replacing “public” portion of service line with city workers – bidding/contracting out private portion. | \$5,500  |

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# Chicago – 389,893 Lead Service Lines

- Chicago is estimating a complete service line replacement will cost between \$15,000 - \$26,000
- Replacing all lead service lines
- \$5.8 - 10.1 Billion

# Lead Service Line Replacement and Notification Act

State Law Signed August 2021 (PA 102-613 HB3739)

- Creates the Lead Service Line Replacement Fund to be used to finance and administer programs and activities (**no revenue source in legislation**). Requires the Illinois EPA to:
  - establish procedures for the administration of the Fund.
  - **establish procedures for the collection of a specified (to be developed by rule) lead in drinking water protection fee to be collected by all community water supplies.**
- Creates the Lead Service Line Replacement Advisory Board within the Agency.
  - 28 Voting members
    - 3 State Agency Directors
    - 16 representing water utilities
    - **9 representing non water sector perspectives**
- Requires the Department of Commerce and Economic Opportunity (DCEO) to establish a comprehensive low-income water assistance policy and program with specified requirements.

# Lead Service Line Replacement and Notification Act

State Law Signed August 2021 (PA 102-613 HB3739)

- Expands Requirements of Current Service Line Material Inventory
  - No longer report material as “Unknown” – Unknown considered Lead
  - Final complete inventory due April 15, 2024
  - Must identify number of connections in water supply
  - Must identify material of construction – both public and private sides
  - Prioritize inspections in high-risk areas (day cares, hospitals, playgrounds, etc.)
  - Many, many more requirements

# Lead Service Line Replacement and Notification Act

State Law Signed August 2021 (PA 102-613 HB3739)

- **Prohibits Partial Lead Service Line Replacement** when replacing watermain
  - Provisions for “emergency replacements” - entire service line can’t be replaced
    - Provide filter for at least one fixture until entire line replaced (30 days)
  - Routine watermain replacement
    - Requires Customer notification prior to construction or repair
- MBE, WBE, DBE related requirements
  - 11% of contract(s) must be MBE
  - 7% of contract(s) must be WBE
  - 2% of contract(s) must be awarded to person with disabilities
  - Must demonstrate “good faith effort” to achieving %’s
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# Lead Service Line Replacement and Notification Act

State Law Signed August 2021 (PA 102-613 HB3739)

- Requires Comprehensive LSL Replacement Plans to be developed
  - Initial Plan due April 25, 2024
  - Updated Plan required annually through April 2027
  - Final Plan due April 2027
- Comprehensive LSL Replacement Schedule

|                       |       |          |
|-----------------------|-------|----------|
| • < 1,200 LSL's       | 7%/Yr | 15 Years |
| • 1,200- 4,999 LSL's  | 6%/Yr | 17 Years |
| • 5,000- 9,999 LSL's  | 5%/Yr | 20 Years |
| • 10,00- 99,999 LSL's | 3%/Yr | 34 Years |
| • > 100,000 LSL's     | 2%/Yr | 50 Years |



# Questions?

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