Milwaukee's Lead Service Line Replacement Program Semi-Annual Report

July 15, 2020 Public Works Committee Common Council File #200367

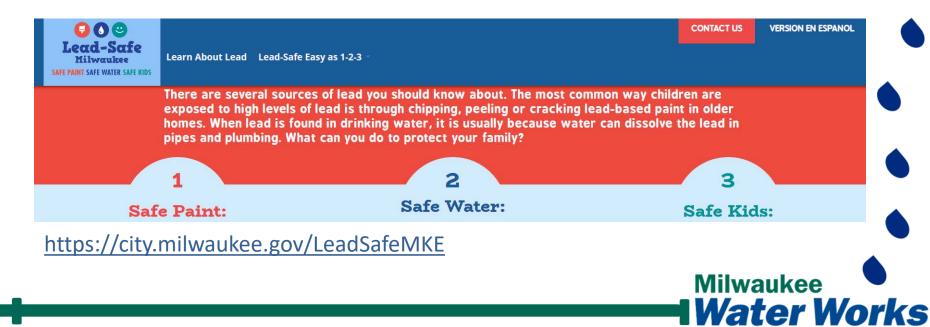
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Lead Basics

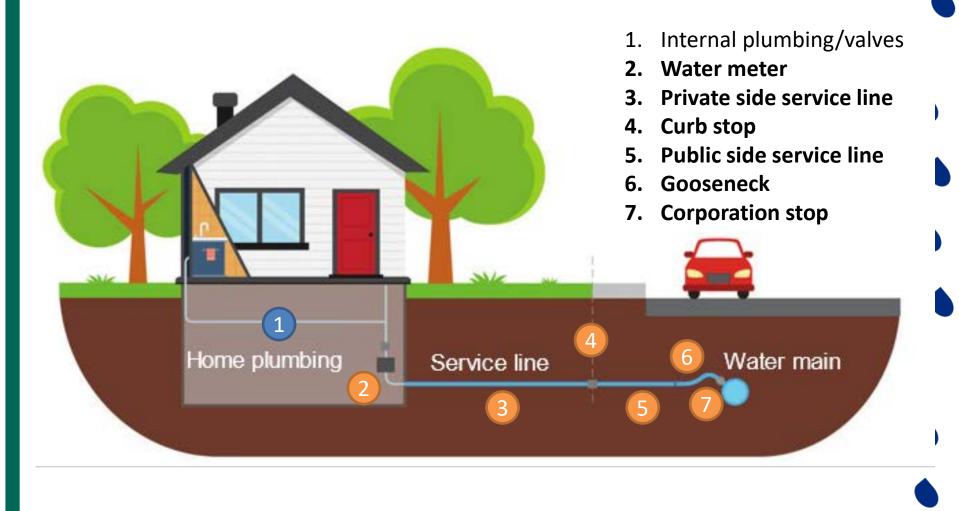
- Lead is a toxic substance
- Lead exposure is cumulative
- There is no safe exposure to lead
- Young children are particularly vulnerable
- Goal is to remove ALL sources from the community
 - ✓ Lead Service Line Replacement Program







What is a service line?



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Review of MKE lead service lines

- 1951 MWW installed last public-side LSL
- 1962 City ordinance requiring private side copper
- 2014 Public Service Commission ordered increased water main relay program
- 2015 MWW pilot study to assess lead in water
 - Study resulted in a moratorium on water main projects connected to LSLs

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- 2016 MWW began replacing, rather than repairing, LSLs
 - Filters and lead safety materials provided
 - Led to mandate to perform full LSLRs only
- 2017 Lead Service Line Replacement Program established (CCFN 160742)
- 2019 Corrosion Control Treatment (CCT) Reevaluation of Optimization
- 2020 Lead and Copper Rule (LCR) Sampling
- 2020 LCR Revisions

Lead service line replacement mandate

As of January 1, 2017, full lead service line mandated to be replaced with copper when:

- A leak or failure has been discovered on either the privatelyor utility- owned portion
- The utility-owned portion is replaced on either a planned or emergency basis
- The property is a child care facility (licensed or certified)

REPAIR or RECONNECTION to Lead Service Line PROHIBITED

Property owner may initiate replacement of privatelyowned section and MWW will replace utility-owned section

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Lead service lines replaced to-date

Reason for LSL Replacement	2017	2018	2019	2020	Total (%)	
Leak or failure	437	547	670	240	1894 (67)	
Child cares and schools	150	204	129	2	485(17)	
Water main relay project	18	143	179	36	376(13)	
Owner initiated	11	39	23	12	85 (3)	
Other utility work	6	0	1	0	7 (<1)	
Total LSL Replacements	622	933	1002	290	2847 (100)	
Total Filter Distribution	1164	1359	1377	513	4413	

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Lead service line financial impact

- \$13.4M budgeted for 2020 (1,100 LSLs goal)
- \$25.5M committed since January 1, 2017
- Average full replacement cost as of June 30, 2020: \$11,055
 - Private Side: \$5,775
 - Public Side: \$5,371
- One- to four- family residential property cost share for mandated replacements limited to \$1,754, as of March 1, 2020

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Thank you.

Milwaukee **Water Works**