



# Update on Lead Service Line Replacement Loan Program

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## Community Support Programs Massachusetts Water Resources Authority

WATER SYSTEM TOPICS	
	<b>Local Water System Assistance Program (LWSAP)</b> Loan program to fund local water system improvement projects for member water communities from FY11 through FY20.
	<b>Lead Service Line Replacement Program/ Lead Loan Program (LLP), an Enhancement to the Local Water System Assistance Program</b> Loan program to fund local projects for member water communities that will <u>fully</u> remove lead service lines from the community water main all the way to the home or business.
	<b>Water Conservation and Efficiency</b> Information for member communities, local businesses and residents; free educational brochures and low-flow fixtures; case studies.
	<b>Leak Detection Task Order Contract</b> This contract provides member communities access to high quality leak detection service at a reasonable cost. Services performed under the task order contract are paid by MWRA; communities are billed the following year.
	<b>The MWRA Water System</b> Information about our water system, including drinking water quality and recent improvement projects.

## MWRA Contacts

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<http://www.mwra.com/comsupport/communitysupportmain.html>



# Lead Loan Program

- \$100 Million for community projects
- 10 year interest-free loans
- Projects must replace **ALL** lead pipe within a service line
- Both public and private portions
- If any portion of service is lead or brass, entire service is eligible for replacement under MWRA Loan Program





# Lead Loan Program

## MWRA Communities with Potential to Utilize Lead Loan Program

- 9 Communities with Greater than 500 Lead Services
- 7 Communities with 90-300 Lead Services
- 12 Communities with Fewer or No Lead Services and More Than 100 Lead Goosenecks
- 6 Communities with Few or No Lead Services and Low Number of Lead Goosenecks
- 11 Communities with No Lead Services and No Lead Goosenecks



# Lead Loan Program

- 3 Communities Funded
  - Newton \$4 Million
  - Quincy \$1.5 Million
  - Winchester \$0.5 Million
- 2 Community Applications Pending FY18 Distribution
  - Somerville \$1.2 Million (Phase 1)
  - Marlborough \$1.0 Million (Phase 1)





## What Should Be Replaced - All Items Eligible

- Lead Service Pipe
- Lead-Lined Service Pipe
- Lead Goosenecks
- Galvanized Pipe Connected with Lead Gooseneck
- Any Brass Pipe or Fitting





# Lead and Lead-Lined Service Pipes





# MATERIALS USED FOR SERVICE PIPES IN MASSACHUSETTS.

198 STATE BOARD OF HEALTH. [Pub. Doc.

In order to learn to what extent lead is used for service pipes as compared with other materials in this State, and the experience in the use of the various kinds of service pipes, information has been collected from the water departments of the cities and towns, the results of which are presented herewith.

*Number of Service Pipes of Different Materials in Use in Cities and Towns of Massachusetts.*

CITY OR TOWN.	Wrought Iron.	Galvanized Iron.	Cement lined.	Lead.	Lead lined.	Tin lined.	Total.	Material now used for New Services.





# Lead Service Line Project Components

- Establish a goal to fully remove all lead pipe from both publicly-owned and privately-owned water services
- Project Planning – Community Staff and Consultant Engineer
- Inventory of Lead Services, Mapping and Public Disclosure
- Community Planning for Private-Side Incentive
  - Fully Fund Private Side
  - Partially Fund Private Side
  - Multi-Year Payment Plan for Private Side
- Targeted Outreach to Homeowners (Right of Entry/Waiver Form)





# Lead Service Line Project Components

- Application to MWRA for Lead Loan Program Funding
- Community Authorization for Loan Repayment (via Town Meeting or City Council)
- Community Executes Financial Assistance and Loan Agreements
- Bond Counsel Issues Bond and Opinion
- Distribution of Funds to Community





# Lead Service Line Project Components

- Engineering Design and Bid Opening
- Construction and Resident Engineering Services
- Flushing of Interior Plumbing After Service Line Replacement (or after ANY service disruption in lead service line)





# Lead Service Line Project Components

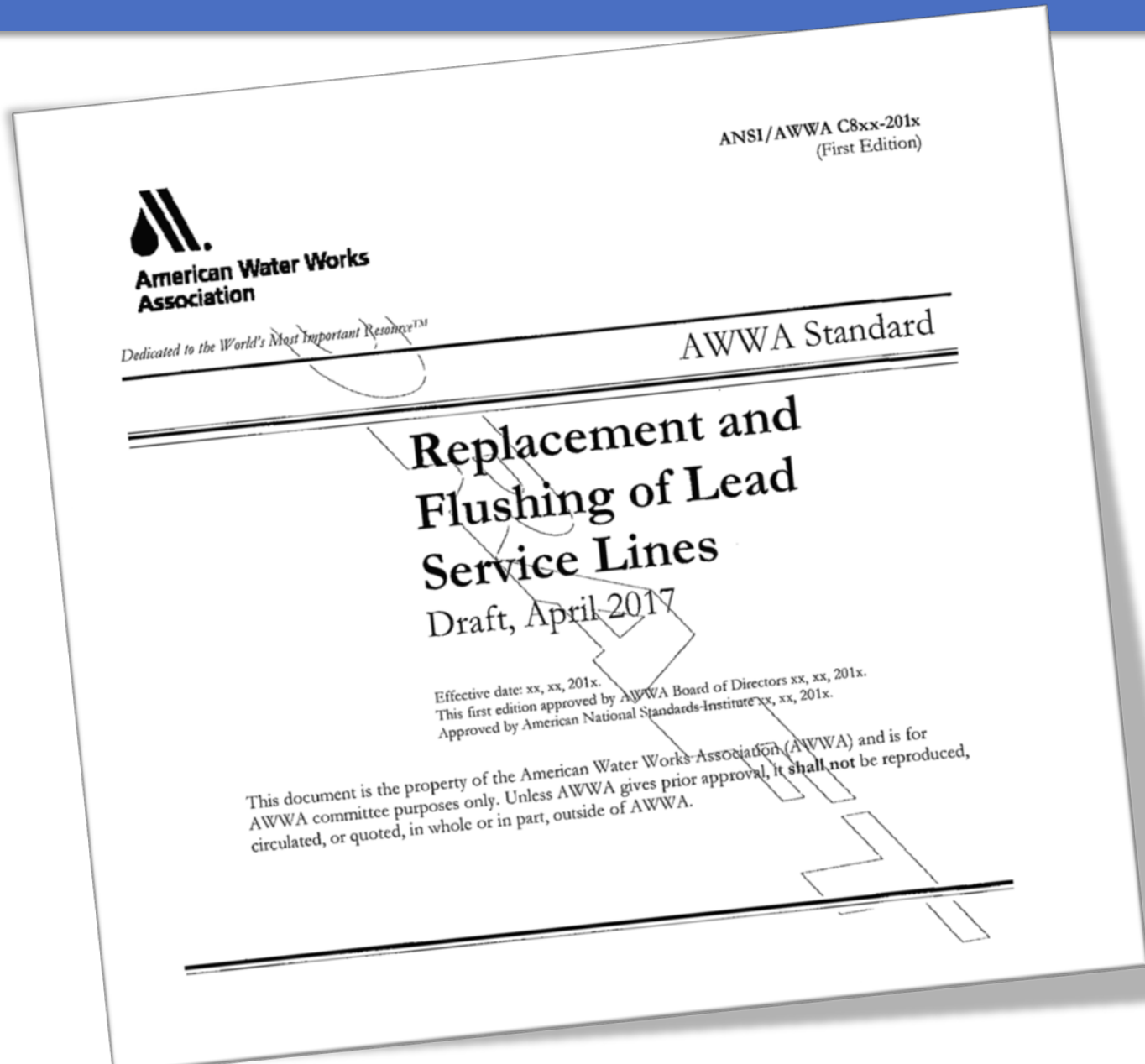
## Post Project Activities

- Maintain Proactive Outreach to Customers with Known Privately-Owned Lead Service Lines and Provide Educational Information Regarding the Risks of Lead Exposure
- Include a Unit Cost Bid Item for Public/Private Service Line Replacement in All Water Pipeline Projects
- Replace Lead Goosenecks Encountered During Infrastructure Construction











# AWWA Standard Being Developed





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