

# Lead and Copper Rule Revisions Preparing for Changes Effective October 16, 2024

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Director, Division of Technical Services



# Webinar Outline

The webinar will cover:

- What becomes effective on October 16, 2024
- What does not change on October 16, 2024
- Notices to the Public: Public Notice, Consumer Notification, Education requirements
- Consumer Confidence Report Requirements
- Lead Service Line Inventory reporting requirements
- Funding available



# LCRR/LCRI Update – What becomes effective on October 16, 2024

1. Initial Service Line Inventory - Due October 16, 2024
  - Must be made publicly available; for systems serving 50,000 and more - available online
2. Notification of Service Line Material and associated reporting
3. Tier 1 public notification for action level exceedance (15 ppb AL until LCRI Compliance Date) and associated reporting
4. Revised health effects language
5. Consumer Confidence Reports



# LCRR/LCRI Update – What’s does not change on October 16, 2024 – LCRR Items

1. Lead action level (10 ppb)
2. Trigger level and associated requirements
3. Changes to sample tiers and sample site selection
4. 5<sup>th</sup> Liter samples in homes with LSLs
5. Tap sampling frequency
6. WQPs and monitoring
7. Corrosion Control Treatment Options
8. Sanitary surveys must review Corrosion Control Treatment data
9. Find and Fix
10. Mandatory LSL replacement requirements
11. Lead Service Line Replacement Plans & Lead Mitigation (Filters)
12. Small system flexibility options
13. Consumer notifications of work that could disturb LSLs
14. School and child day care sampling program, including list of facilities

# How do we know what's required beginning October 16, 2024, and what's not changing?

See the EPA [2021 LCRR Implementation Fact Sheet](#) (April 2024)

See the draft LCRI:

(4)(i) Between [DATE OF PUBLICATION OF THE FINAL RULE IN THE FEDERAL REGISTER], and [DATE 3 YEARS AFTER DATE OF PUBLICATION OF THE FINAL RULE IN THE FEDERAL REGISTER], community water systems and nontransient non-community water systems must comply with 40 CFR 141.80 through 141.91, as codified on July 1, 2020, except systems must also comply with 40 CFR 141.84(a)(1) through 141.84(a)(10) (excluding §§ 141.84(a)(7)); 141.85(e); 141.90(e)(1) and 141.90(e)(13); 141.201(c)(3); 141.202(a)(10); and 141.31(d), as codified on July 1, 2023.

Primacy Extension Agreement

# Notices to the Public: Public Notices, Consumer Notification and Education Requirements

Requirements Effective October 16, 2024

# Notification of Service Line Materials

40 CFR 141.85(e)

## Notification of known or potential service line containing lead:

- Lead Service Line
- Galvanized Requiring Replacement (GRR) Service Line
- Unknown Material Service Line

**Due:** within 30 days of completion of the inventory (initial), no later than November 15, 2024

**Frequency:** Annual thereafter

**New customer:** At the time of service initiation

## New business processes:

1. Annual notification of customers of lead, GRR, unknown service lines.
2. New customer notification of lead, GRR, unknown service lines.



# Notification Content Requirements

Lead	GRR	Lead Status Unknown
A statement that the service line is lead.	A statement that the service line is GRR.	A statement that the service line material is unknown but may be lead.
An explanation of the health effects of lead, including required language.	An explanation of the health effects of lead.	An explanation of the health effects of lead, including required language
Steps persons at the service connection can take to reduce exposure to lead in drinking water.	Steps persons at the service connection can take to reduce exposure to lead in drinking water.	Steps persons at the service connection can take to reduce exposure to lead in drinking water.
Information about opportunities to replace LSLs.	Information about opportunities for replacement of the service line.	Information about opportunities to verify the material of the service line.
Information on programs that provide financing solutions to replace the LSL.		
A statement that the water system is required to replace its portion of a LSL when the property owner notifies the PWS that they are replacing their portion of the LSL.		



# Templates Available

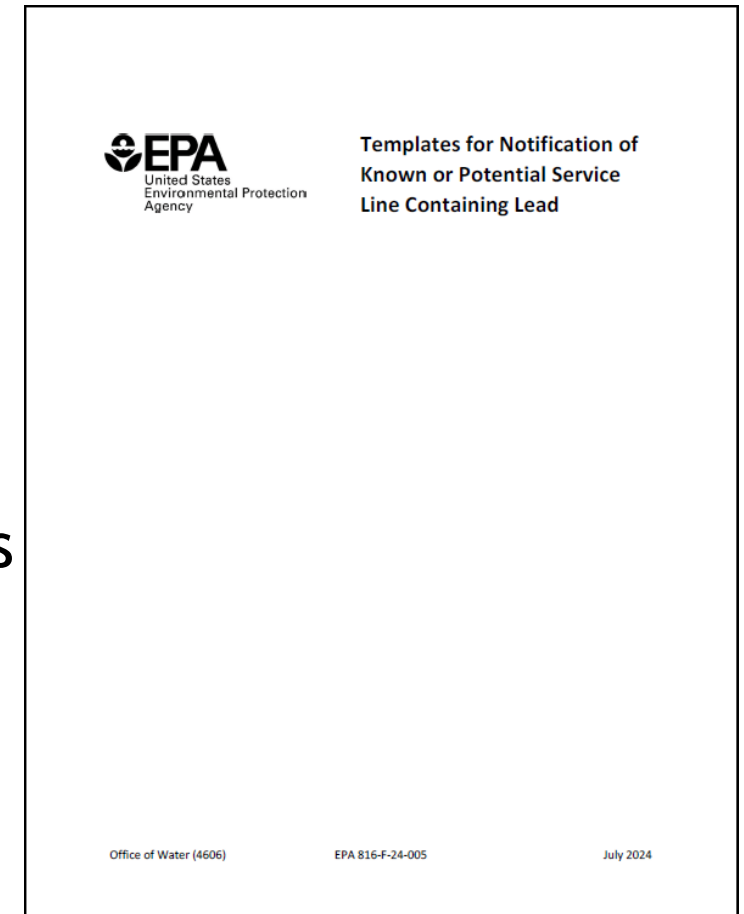
EPA Templates

VDH Templates

- Links on VDH LCRR Guidance Webpage
- Templates don't need ODW approval
- Guidance for use of templates in following slides
- Deviations from templates need ODW approval

[VDH ODW LCRR Guidance Webpage](https://www.vdh.virginia.gov/drinking-water/lcrr-guidance/)

<https://www.vdh.virginia.gov/drinking-water/lcrr-guidance/>



# Health Effects Language

40 CFR 141.85(a)(a)(ii)

- Required language for LSL and Lead Status Unknown SLs
- Do not modify this language

## Health effects of lead.

*Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney or nervous system problems.*



# Steps you can take to reduce lead in drinking water

## Run your water:

- Daily, allow the water to run at the tap for **5 minutes** to flush water through the service line and plumbing in the house before using it for drinking or cooking. Taking a shower, running the dishwasher or flushing the toilet will also flush your lines.
- Guidance must address flushing premise plumbing PLUS the service line
- “Flush for 2-3 minutes or until the temperature remains steady” is not appropriate because it flushes only the premise plumbing.
- Provide tailored flushing information for your community



# Steps you can take to reduce lead in drinking water

- **Use cold water for drinking, cooking and preparing baby formula.** Do not cook with or drink water from the hot water tap as lead dissolves more easily into hot water. Do not use water from the hot water tap to make baby formula.
- **Clean your aerator.** Regularly clean your faucet's screen (also known as an aerator). Sediment, debris, and lead particles can collect in your aerator. If lead particles are caught in the aerator, lead can get into your water.
- **Do not boil water to remove lead.** Boiling water does not remove lead.
- **Obtain an NSF (National Sanitation Foundation) Certified home water treatment device** that is certified to remove lead.
- **Identify and replace plumbing fixtures** containing lead and any copper piping with lead solder.
- **Check home wiring.** Water service lines are sometimes used to ground electrical lines. The wiring in your home or building may be attached to your water service line or elsewhere in your plumbing. If you have a lead service line, this can accelerate its corrosion. Have a licensed electrician check your wiring.
- **Get your child tested.** Contact your local health department or healthcare provider to find out how you can get your child's blood tested for lead if you are concerned about exposure.



# Steps you can take to reduce lead in drinking water

## Have your water tested

Contact us, your water utility, at **804-123-0000** to have your water tested and to learn more about the lead levels in your drinking water. Alternatively, you may contact a certified laboratory to have your water tested for lead. A list of certified laboratories is available at <https://dgs.virginia.gov/division-of-consolidated-laboratory-services/certification-accreditation/find-a-lab/>

**For a fee of \$35.00, we will provide a water sample kit and have it analyzed for you by our certified contract laboratory.** Note, a water sample may not adequately capture or represent all sources of lead that may be present. For information on sources of lead that include service lines and interior plumbing, please visit <https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water#getinto>



# LSL Replacement Information

## Information about opportunities to replace lead service lines

- Information about waterworks' LSL replacement program: What to expect, timing
- Where to find more information or ask questions
- Utility website that contains updated information

## Programs that provide financing solutions to assist property owners with replacement of their portion of a lead service line

- VDH FCAP has SL replacement funding through BIL
- SERCAP - contact Kenny Rodgers or Ellen Smith at 540-345-1184
  - Essential & Critical Needs
  - Indoor Plumbing Rehabilitation Program
- OK to provide a contact at the waterworks

The expectation is that waterworks will have useful and concrete answers for their customers.



# Notification Content Requirements

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A statement that the service line is lead.	A statement that the service line is GRR.	A statement that the service line material is unknown but may be lead.
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Information on programs that provide financing solutions to replace the LSL.		
A statement that the water system is required to replace its portion of a LSL when the property owner notifies the PWS that they are replacing their portion of the LSL.		

# GRR Replacement Information

## Information about opportunities to replace GRR service lines

- Information about waterworks' SL replacement program: What to expect, timing
- Where to find more information or ask questions
- Utility website that contains updated information

## Programs that provide financing solutions to assist property owners with replacement of their portion of a lead service line

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# Unknown Service Lines

## Information about opportunities to verify service lines

- Information about waterworks' service line verification program: how, when, by whom, and what to expect
- What customers can do to self-identify customer service line materials
- Web page with self-identification instructions example:
  - Go to Protect Your Tap: A Quick Check for Lead can help you learn where your drinking water comes from, check the pipes that bring water into your home, reduce exposure to lead, and find resources about certified laboratories to get drinking water tested for lead.
  - <https://www.epa.gov/ground-water-and-drinking-water/protect-your-tap-quick-check-lead>
- Where to find more information or ask questions

# Notification of Known or Potential Service Line Containing Lead

40 CFR 141.85 (e)(3)

**Templates:** On LCRR Guidance Webpage

**Deliver to:** persons served at the service connection.

**Delivery Method:** Mail or another method approved by the State

**Community Waterworks:** Mail, hand delivery

**NTNC Waterworks:** Mail, hand delivery, posting

All other methods are approved on a case-by-case basis

# Annual Reporting - Notification of Service Line Materials

40 CFR 141.90(e)(13), 40 CFR 141.90(f)(4)

Annual reporting to the State by July 1 that the system provided notification and delivered lead service line information materials to affected consumers with lead, galvanized requiring replacement, or unknown service lines for the previous calendar year. Water systems shall provide a copy of the notification and information materials to the State.

**Delivery Certification Statement:** Available on ODW LCRR Guidance webpage

**Due:** 30 days following completion and no later than July 1

**Frequency:** Annual

**Attach:** Copies of notifications and information materials

# Tier 1 PN Following a Lead Action Level Exceedance

Effective October 16, 2024

# Tier 1 Public Notice - Following a Lead Action Level Exceedance

40 CFR 141.201 ((a)(3)(vi))

**Effective:** October 16, 2024

**Applicable to:** All community and non-transient noncommunity waterworks

**Template:** Links to ODW and EPA Templates on LCRR Guidance Webpage

**Timing:** Within the 24 hours after you learn about the lead ALE:

- Consult with the ODW field office as soon as practical to notify them of the ALE and determine if there are any additional PN requirements (e.g., content, repeat notices, and/or posting).
- Issue the PN to customers within 24 hours after you learn of the lead ALE even if you are unable to contact ODW.

This could possibly apply to a Lead Action Level Exceedance in 2024

- If ODW determines an action level exceedance on or after October 16, 2024

Waterworks conducting LCR Tap sampling in June - September 2024 should:

- Have a conversation with their laboratory about timeliness of reporting sample results
- Complete sampling and deliver samples to their laboratory to facilitate timely reporting

# Tier 1 Public Notice - Following a Lead Action Level Exceedance

40 CFR 141.201 (a)(3)(vi)

**Deliver to:** all persons served by the waterworks

**Delivery Method: One or more of the following:**

- Appropriate broadcast media (e.g., radio and television).
- Posting the notice in prominent locations throughout your water system's service area.
- Hand delivery of the notice to all persons served.
- Another delivery method approved in writing by the State.

# Tier 1 PN Required Elements - covered by template

- What happened – Lead action level exceedance
- When the lead ALE occurred.
- The mandatory health effects language: *Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney, or nervous system problems.*
- Whether alternative water supplies should be used.
- What actions consumers should take.
- What you are doing to address the lead ALE.
- When you expect to resolve the lead ALE.
- Contact information for your water system owner, operator, or designee.
- The following mandatory statement to share the PN: *Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.*



# Tier 1 Public Notification Reporting

40 CFR 141.201 (c)(3)

**Effective:** October 16, 2024

**Applicable to:** All community and non-transient noncommunity waterworks

**Template:** Public Notice template on LCRR Guidance Webpage

**Timing:** Within the 24 hours after you learn about the lead ALE:

- Send a copy of Tier 1 Public Notification to the ODW Field Office, as well as to the EPA via email at: LeadALE@epa.gov.

## Recommendation:

Obtain the Public Notice template and establish a plan for completing a Tier 1 Public Notice with each round of LCR Tap samples, in advance of determining the lead 90<sup>th</sup> percentile, beginning in 2024.

# Tier 1 Public Notification Reporting Requirements

40 CFR 141.31

**Effective:** October 16, 2024

**Applicable to:** All community and non-transient noncommunity waterworks

**Template:** Certification Statement on LCRR Guidance Webpage

**Timing:** Within 10 days after completing the public notification requirements:

- Send a copy of Tier 1 Public Notification plus Certification Statement to the ODW Field Office.

# LCR Public Education Materials

Reminders and Updates



# Public Education Materials

40 CFR 141.85 (a)

**Triggered by:** Lead Action Level Exceedance

**Timing:** Within 60 days after the end of the tap sampling period in which the exceedance occurred.

**Delivery:** Printed materials to all bill paying customers

**Contact:** Customers most at risk - **Added Schools, child care facilities, school boards, obstetricians-gynecologists and midwives**

**Frequency:** No less than quarterly, provide information on or in each water bill as long as the system exceeds the action level for lead. Specific required language.

**New required language:** Health effects of lead.

# Delivery of public education materials (LCR)

40 CFR 141.85 (b)(1)

**This applies if a waterworks exceeds the Lead Action Level**

**This requirement is existing:**

If a large proportion of the population your water system serves does not speak English, your notice must either:

1. Include information in the appropriate language(s) regarding the importance of the notice, or
2. Provide a phone number or address where people may contact the water system to obtain a translated copy of the PN or to request assistance in the appropriate language.

In most cases VDH ODW has not made a determination that a system serves a large population of non-English speaking consumers. In this case, follow number 1 or 2 above where appropriate to reach a large proportion of non-English speaking persons served by your water system.

## Recommendation:

**Do Now: Determine if a large proportion of the population of your water system does not speak English, and how you will address it.**

# Supplemental monitoring and notification of results

40 CFR 141.85 (c)

**This applies if a waterworks exceeds the Lead Action Level**

**This requirement is existing:**

(c) *Supplemental monitoring and notification of results.* A water system that fails to meet the lead action level on the basis of tap samples collected in accordance with § 141.86 shall offer to sample the tap water of any customer who requests it. The system is not required to pay for collecting or analyzing the sample, nor is the system required to collect and analyze the sample itself.

Does not establish a sampling protocol or required sample volume.

- First draw samples (6 hours stagnant) or flushed samples?
- First and fifth liter samples would be reasonable for a home with an LSL, GRR or Unknown SL.
- If the concern is the kitchen faucet, consider the *3Ts for Reducing Lead in Drinking Water* protocol (250 mL sample)
- Waterworks to keep track of the sample protocol as it impacts the results interpretation

## Recommendation:

As part of LCR Tap Sampling: Consider how you will address this requirement.

# Consumer Confidence Reports

LCRR Updates




# Consumer Confidence Reports


40 CFR 141.153 (d)(4) Detected contaminants


**Applicable to:** Community Waterworks

**Effective:** October 16, 2024

**Applies to:** Consumer Confidence Report issued in 2025 and beyond

 (vi) For lead and copper: the 90th percentile concentration of the most recent round(s) of sampling, the number of sampling sites exceeding the action level, and the range of tap sampling results;

 (xi) The report shall include a statement that a service line inventory (including inventories consisting only of a statement that there are no lead service lines) has been prepared and include instructions to access the service line inventory; and

 ~~(xii) The report shall notify consumers that complete lead tap sampling data are available for review and shall include information on how to access the data.~~



# Consumer Confidence Reports

40 CFR 141.154 (d)(1) Required additional health information

**Applicable to:** Community Waterworks

**Effective:** October 16, 2024

**Applies to:** Consumer Confidence Reports issued in 2025 and beyond



(1) A short informational statement about lead in drinking water and its effects on children. The statement must include the following information:

Lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. [NAME OF UTILITY] is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact [NAME OF UTILITY and CONTACT INFORMATION]. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.



# Consumer Notifications

Appendix A to Subpart O - Health effect language - Revised

**Applicable to:** Community and NTNC Waterworks

**Effective:** October 16, 2024

**Applies to:** Consumer Notifications (PN after violation, notification of results)



Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney or nervous system problems.

# Lead Service Line Inventories

Updates and Reminders

# Submitting your Service Line Inventory

You are not done until you upload your service line inventory through SWIFT Submittals and click SUBMIT TO STATE.

ODW rolled out SWIFT Submittals:

- ODW staff received training December 14
- ODW provided training webinars:
  - February 8 - Community Waterworks
  - February 13 - NTNC Waterworks
- Recordings and slide decks on [LCRR Guidance Webpage](#)
- Quick Start Guide and additional FAQs posted on the [LCRR Guidance Webpage](#)

## Recommendations:

- Get user credentials now (SWIFT Submittals)
- Start with small chunks of inventory data (learn how to use tools)
- Upload inventory in chunks (no need to upload entire inventory in one file)



# SWIFT Submittals Comments

Help with user access: [Leslie.Holt@vdh.virginia.gov](mailto:Leslie.Holt@vdh.virginia.gov)

How to avoid address errors - see guidance on LCRR guidance webpage

Problem with the Microsoft TomTom address tool returning errors

- TomTom tool provides GPS coordinates to SWIFT Submittals
- GEC will change errors to warnings
- GEC will allow GPS coordinates entry into template

Help with errors: [support@gec1.com](mailto:support@gec1.com)

# Undeveloped Building Lots

**Scenario:** Watermain in street with ¾” Copper to property line.

- No meter, customer service line, or building served
- Likely no 911 address assigned

**"Service line"** means the pipeline or service pipe between the service connection and the building connection.

**"Service connection"** means the point of delivery of finished water from a waterworks to a consumer's water system, fire protection system, irrigation system, and to all other points where finished water is delivered through the distribution system to a consumer. Generally, the service connection occurs at the water meter, or at the distribution main if no water meter is installed, or in the case of an owner of both the waterworks and the building supplied, the point of entry into the building. Service connections may be permanent, temporary, or emergency.

This is not a “Service Line” because it does not have a “Service Connection” and there is no customer.

**Conclusion:** Not required to include in the initial service line inventory.

If and when a building is served, this will become a Service Line and get added to the service line inventory.

# Making your inventory publicly available

40 CFR 141.84 (a)(8) and (9)

The service line materials inventory must be publicly accessible.

- Include a location identifier for each LSL and GRR.

Options include:

- Printed service line maps
- Printed tabular data
- Information in water utility mailings or newsletters
- Information available at the water system's office

Water systems serving greater than 50,000 persons must make the publicly accessible inventory available online.

When a water system has no lead, galvanized requiring replacement, or lead status unknown service lines in its inventory, it may use a written statement, in lieu of the inventory, declaring that the distribution system has no lead service lines or galvanized requiring replacement service lines. The statement must include a general description of the methods used to make this determination.



# If your inventory has Lead and/or GRR Service Lines

## Recommendations

- Prepare an LSL Replacement Plan now
- Apply for LSL Replacement funding now

## How to get both Utility and Customer side SL replaced:

- Waterworks coordinates SL replacement
- Grant funding (make it free to the customer)
- Loan funding (roll the cost into the water bill)
- Local Ordinance (make it required)
  - Malden, MA (triggered by renovation, sale, rental)



# Need Help with Your LCRR Service Line Inventory?

The Lead and Copper Rule Revisions (LCRR) requires every waterworks to develop an inventory of their service line materials (public and private portions) by October 16<sup>th</sup>, 2024.

VDH ODW has contracted the engineering firm **TruePani** to offer free assistance to waterworks serving populations of 10,000 or fewer.

Scan the QR code or visit the link to schedule a one-on-one meeting to get started.



[bit.ly/LCRRInventoryScheduler](https://bit.ly/LCRRInventoryScheduler)

## Questions?

(804) 409-6964, M-F between 9 AM to 5 PM

[valcrr@truepani.com](mailto:valcrr@truepani.com)

**VDH** VIRGINIA  
DEPARTMENT  
OF HEALTH



# WaterTA: Water Infrastructure Technical Assistance in the Mid-Atlantic

University of Maryland  
Environmental Finance  
Center (TEAM LEAD)

The Water Center,  
University of  
Pennsylvania

Moonshot Missions

Quantified Ventures

Southeast Rural  
Community  
Assistance Project,  
Inc. (SERCAP)

RCAP Solutions  
Northeast

University of Maryland  
Center for Community  
Engagement,  
Environmental Justice,  
and Health



ENVIRONMENTAL  
FINANCE CENTER



MOONSHOT  
MISSIONS



The Water Center  
UNIVERSITY of PENNSYLVANIA



Quantified  
Ventures



SCHOOL OF  
PUBLIC HEALTH

CEEJH | COMMUNITY ENGAGEMENT,  
ENVIRONMENTAL JUSTICE & HEALTH

# Contact

**[go.umd.edu/waterta](https://go.umd.edu/waterta)**

**Contact: Jen Cotting, Director, UMD EFC**

**[jcotting@umd.edu](mailto:jcotting@umd.edu)**



**ENVIRONMENTAL  
FINANCE CENTER**

# Lead Elimination Assistance Program (LEAP)



Financial and Construction Assistance Programs  
(FCAP)

VDH – Office of Drinking Water



# Acronym Reference Guide

- **FCAP** – Financial Construction & Assistance Program
- **LEAP** – Lead Elimination Assistance Program
- **DWSRF** – Drinking Water State Revolving Loan Fund
- **LSL** – Lead Service Line
- **LSLR** – Lead Service Line Replacement
- **LCRR** – Lead & Copper Rule Revisions
- **LCRI** – Lead & Copper Rule Improvements
- **GRR** – Galvanized Requiring Replacement
- **PF** – Principal Forgiveness
- **VRA** – Virginia Resources Authority
- **VPPA** – Virginia Public Procurement Act
- **MBE/WBE** – Minority or Women Business Enterprise

# Contact Reference Guide

## FCAP

- Guidance on programmatic requirements related to funded project
- Status of disbursement requests
- Guidance on submitting future LSL Replacement funding applications (as needed)

## Field Office

- Guidance on submittal of LSL Inventory and LSL Replacement Plan
- Status of LSL inventory review
- Status of LSL Replacement Plan review

## LCRR Committee

- State guidance on LCRR requirements
- Accepted methods for service line identification
- Accepted formats for service line templates

## Funding



## LSL & LSLR Review

## Guidance & Methodology

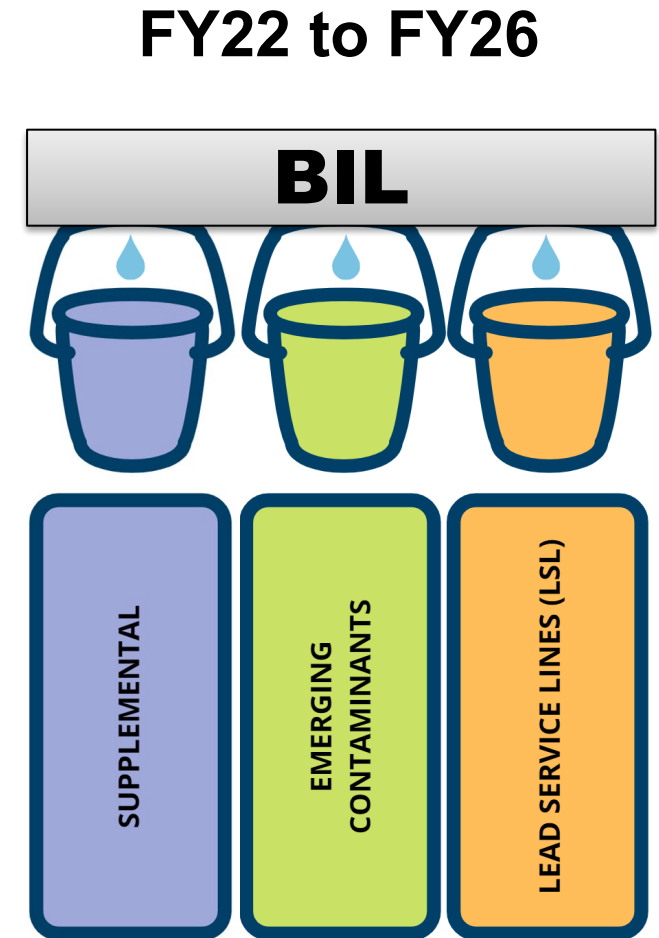
# What is LEAP?

LEAP = Lead Elimination Assistance Program

LEAP is a **subset** of the base DWSRF program

Funding used for LSL inventory & replacement

LEAP is **supplemented** by the **BIL-LSL** funds



# BIL-LSL FUNDING ELIGIBILITY

- **Inventory**
  - NO stand-alone inventory projects.
  - Funds may be provided w/ LSLR projects
    - *IF* Lead has been found
- **Replacements**
  - Only LSLs
  - No GRRs (stand-alone)
- **Other**
  - Lead-jointed mains covered under DWSRF



# LSL Improvements and Funding Eligibility – Comparison Guide

- LSL Improvements (LSLI) Pending final approval.
  - <https://www.epa.gov/ground-water-and-drinking-water/proposed-lead-and-copper-rule-improvements>
  - May be after October 16<sup>th</sup> Deadline

LSLI Requirement	Covered by BIL-LSL Funding?
Track and replace lead connectors	No
Must identify all Unknowns	Yes, as part of LSLR project
Complete replacement within 10 years	LSLs only
Lead Service Line Replacement Plan	Yes, as part of LSLR project
Customer Outreach & Engagement	Yes, as part of LSLR project
Pitcher Filters & Sampling after replacement	Yes, as part of LSLR project
OCCT – Corrosion Control	No; separate DWSRF application required



# BIL-LSL Ineligible Costs

- Partial replacements
- Premise plumbing
- Bottled/trucked water
- Routine Sampling
- Services not properly procured
  - <https://www.vdh.virginia.gov/content/uploads/sites/14/2023/05/PG-4-Procurement.pdf>

# BIL-LSL Funding Terms

Only Fiscal Years 2024 –  
2026 Remain!

	<b>LEAD SERVICE LINE REPLACEMENTS</b>	
<b>Funding Source</b>	<b>BIL LSL – Approximately \$45M-\$50M annually</b>	
<b>Types/Terms</b>	<b>Principal Forgiveness awarded only in Disadvantaged areas</b>	
	<b>▪20 Years – Below Market Rate</b>	<b>▪30 Years (Disadvantaged Only) – Below Market Rate</b>
<b>Amount</b>	<b>No Cap</b>	
<b>Availability / Duration</b>	<b>Temporary – FY2022 to FY2026</b>	

# Who Qualifies as Disadvantaged?

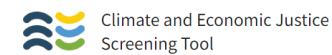
## Must Meet 1 out of 3

1) In a Gray census tract per Climate & Economic Justice Screening Tool

<https://screeningtool.geoplatform.gov/en/#10.4/37.0902/-77.9552>

2) Residents pay 1% or more of the MHI towards drinking water. <https://www.census.gov/>

3) Income Surveys



[Explore the map](#) [Methodology & data](#) [About](#) [Contact](#)

## Explore the map

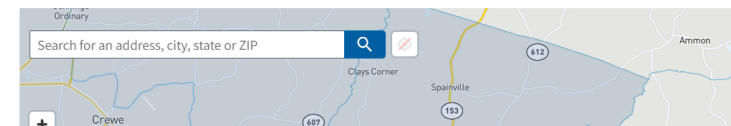
[Share data sources with CEQ](#)

Census tracts that are overburdened and underserved are highlighted as being disadvantaged on the map. Federally Recognized Tribes, including Alaska Native Villages, are also considered disadvantaged communities.

### Get the data

Download the data with documentation and shapefile from the [downloads](#) page.

Zooming in and selecting shows information about each census tract.



### How to use the map:

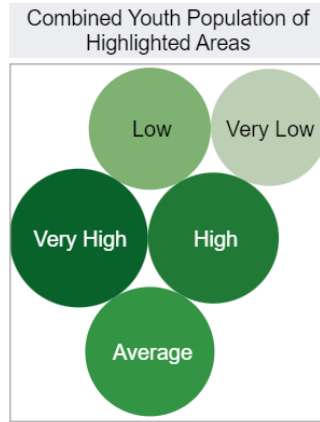
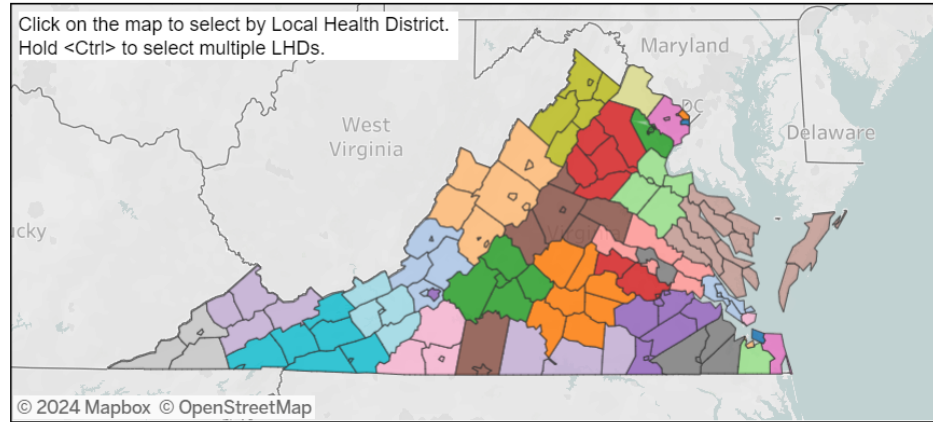
Zoom in +, search 🔍, or locate yourself 📍 and select to see information about each census tract.



# LEAP Scoring Criteria

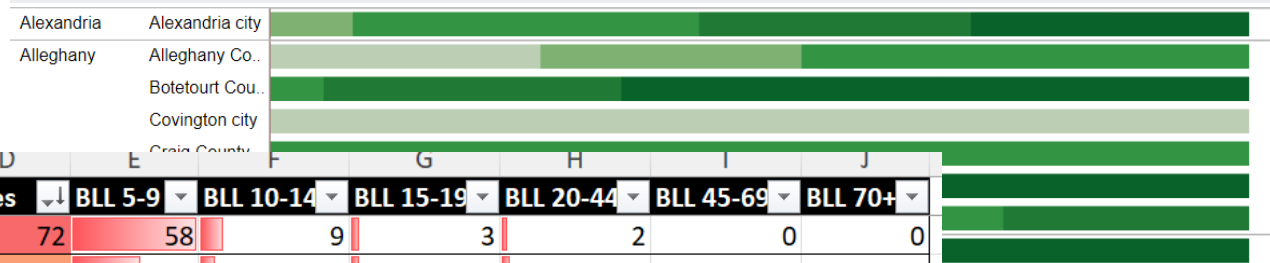
- **CEJST**
- **Youth Well-Being Index**
  - <https://apps.vdh.virginia.gov/omhhe/hoi/youth-well-being-index>
  - Poverty Indicator
  - Housing Indicator
  - Pre-K Indicator
  - Population Density Indicator
- **Average Blood Lead Levels in Children (< 6 yr)**
  - Childhood Lead Poisoning Prevention Program (CLPPP)

# LEAP Scoring Criteria



- Indices & Indicators**
- Youth Well Being Index
  - Education Index
  - Crime Indicator
  - Family Stability Indicator
  - Housing Indicator
  - Population Density Indicator
  - Poverty Indicator
  - Pre-K Enrollment Indicator
  - Primary Care Access Indicator
  - Psychiatrist Access Indicator
- Geography**
- County/Independent City
  - Local Health District
- Opportunity Level**
- Very High
  - High
  - Average
  - Low
  - Very Low

Youth Well Being Index by County/Independent City



	A	B	C	D	E	F	G	H	I	J
1	County	FIPS	Population	Cases	BLL 5-9	BLL 10-14	BLL 15-19	BLL 20-44	BLL 45-69	BLL 70+
2	Fairfax	51059	86181	72	58	9	3	2	0	0
3	Richmond City	51760	15475	44	32	6	3	3	0	0
4	Henrico	51087	24159	39	28	7	2	2	0	0
5	Prince William	51153	40297	39	32	3	2	2	0	0
6	Alexandria	51510	12924	32	25	5	0	2	0	0
7	Newport News	51700	15366	25	20	2	1	2	0	0
8	Roanoke City	51770	7751	21	19	1	1	0	0	0
9	Loudoun	51107	34431	16	12	3	0	1	0	0
10	Lynchburg	51680	5597	13	8	3	1	1	0	0
11	Fredericksburg	51630	2274	11	10	0	1	0	0	0
12	Norfolk	51710	18346	11	9	1	0	1	0	0
13	Chesapeake	51550	18807	10	6	2	2	0	0	0
14	Danville	51590	2826	10	8	2	0	0	0	0
15	Harrisonburg	51660	3250	10	9	0	1	0	0	0

# When and How To Apply for BIL-LSL Funding

## Steps

1) Visit VDH – Office of Drinking Water FCAP page

<https://www.vdh.virginia.gov/drinking-water/fcap/drinking-water-funding-program/>

2) Download LEAP Application & Instructions

- Will be Updated by January 1<sup>st</sup>

3) Work with FCAP & Field Office to coordinate pre-requisites if applicable



4) Send Application To:  
[LEAP.applications@vdh.virginia.gov](mailto:LEAP.applications@vdh.virginia.gov)

Include *FY25 LEAP Application – City/County – Project Name* in the Subject Line

**Next Fiscal Cycle - FY2026**  
**Opens January 1, 2025**  
**Closes March 7, 2025**

# Thank You

If you would like to learn more or  
need assistance, please contact:

[Anthony.Hess@vdh.virginia.gov](mailto:Anthony.Hess@vdh.virginia.gov)  
(540) 463-0419

FCAP Director





# QUESTIONS ?

Robert D. Edelman, PE  
Director, Division of Technical Services

[Robert.Edelman@vdh.virginia.gov](mailto:Robert.Edelman@vdh.virginia.gov)

(804) 864-7490

