

City	Notes	URL
Newark, NJ	<ul style="list-style-type: none"> <li>- 2019 Ordinance that mandated the replacement of Lead Service Lines</li> <li>- City is offering to replace homeowners service lines for free (estimate \$5-10K cost)</li> <li>- Distributing Pur Water Filters to customers who need it</li> <li>- have an interactive map for houses that might have an LSL</li> </ul>	<a href="https://www.newarklead serviceline.com/replacement#:~:text=Typically%2C%20the%20cost%20of%20replacing%20a%20lead%20service,determine%20if%20you%20have%20a%20lead%20service%20line.">https://www.newarklead serviceline.com/replacement#:~:text=Typically%2C%20the%20cost%20of%20replacing%20a%20lead%20service,determine%20if%20you%20have%20a%20lead%20service%20line.</a>
State of Massachussetts	<ul style="list-style-type: none"> <li>- Instructions on how to test for lead and communication required by utilities</li> </ul>	<a href="https://www.mass.gov/service-details/lead-service-line-replacement-requirements#:~:text=A%20minimum%20voluntary%201%20Lead%20Service%20Line%20Replacement,within%20a%20specified%20period.%20...%20More%20items...%20">https://www.mass.gov/service-details/lead-service-line-replacement-requirements#:~:text=A%20minimum%20voluntary%201%20Lead%20Service%20Line%20Replacement,within%20a%20specified%20period.%20...%20More%20items...%20</a>
State of Michigan	<ul style="list-style-type: none"> <li>-Has prohibited partial LSLR except as an emergency repair</li> <li>-required utilities to submit an updated inventory by January 2020</li> </ul>	<a href="https://www.michigan.gov/documents/egle/tou-LCRWorkshopPresentation-LSLR_656451_7.pdf">https://www.michigan.gov/documents/egle/tou-LCRWorkshopPresentation-LSLR_656451_7.pdf</a>
Detroit, Michigan	<ul style="list-style-type: none"> <li>- will test the water at no cost if a child has tested positive for elevated blood lead levels</li> <li>- will replace the LSL (utility pays) when workers on the same block are replacing the water main (need homeowner's permission)</li> <li>-will reach out 40 days in advance</li> </ul>	<a href="https://detroitmi.gov/departments/water-and-sewerage-department/dwsd-projects/making-detroit-lead-safe/lead-service-line-replacement-program">https://detroitmi.gov/departments/water-and-sewerage-department/dwsd-projects/making-detroit-lead-safe/lead-service-line-replacement-program</a>
American Water (New Jersey)	<ul style="list-style-type: none"> <li>- applied for a State Revolving Fund (SRF) to replace customer side lead service lines in eligible municipalities</li> </ul>	<a href="https://www.amwater.com/njaw/water-quality/service-line-replacement">https://www.amwater.com/njaw/water-quality/service-line-replacement</a>
Chicago, IL	<ul style="list-style-type: none"> <li>- Equity Lead Service Line Replacement Program: provide complete LSLR for eligible low-income residents</li> <li>- Homeowner-Initiated LSLR Program: city will waive standard permit fees for project, will connect new service line to the water main and install free water meter upon completion of replacement</li> </ul>	<a href="https://www.chicago.gov/city/en/depts/cdph/provdrs/healthy_homes/news/2020/september/mayor-lightfoot-launches-equity-focused-lead-service-line-replac.html">https://www.chicago.gov/city/en/depts/cdph/provdrs/healthy_homes/news/2020/september/mayor-lightfoot-launches-equity-focused-lead-service-line-replac.html</a>
Philadelphia, PA	<ul style="list-style-type: none"> <li>- offers an interestfree loan for customers to replace lead service line</li> <li>- free removal during water main replacement</li> <li>- free water testing for residential homeowners</li> </ul>	<a href="https://www.phila.gov/water/wu/drinkingwater/lead/Pages/programs.aspx">https://www.phila.gov/water/wu/drinkingwater/lead/Pages/programs.aspx</a>
DC Water	<ul style="list-style-type: none"> <li>- DC water covers cost in conjunction with CIP</li> <li>- LSLR Assistance Program - funds to customers (directly to the contractor) for LSLR when the service pipe in public space is not lead; assistance is based on income</li> <li>- have a nice service line inventory map</li> </ul>	<a href="https://www.dwater.com/replaclead">https://www.dwater.com/replaclead</a>
State of wisconsin	<ul style="list-style-type: none"> <li>- provides funding for private LSL through the Public Service Commission, Wisconsin DNR</li> </ul>	<a href="https://dnr.wisconsin.gov/aid/documents/EIF/leadServiceLineFunding.html">https://dnr.wisconsin.gov/aid/documents/EIF/leadServiceLineFunding.html</a>

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Lead Pipes and Environmental Justice: A study of lead pipe replacement in Washington, DC		<a href="https://www.edf.org/sites/default/files/u4296/LeadPipe_EnvironJustice_AU%20and%20EDF%20Report.pdf">https://www.edf.org/sites/default/files/u4296/LeadPipe_EnvironJustice_AU%20and%20EDF%20Report.pdf</a>
Environmental Defense Fund: Community and Utility Efforts to Replace Lead Service Lines	- Lists the cities that are working on LSLR programs with links to program webpages	<a href="https://www.edf.org/health/recognizing-community-efforts-replace-lsl#cincinnati">https://www.edf.org/health/recognizing-community-efforts-replace-lsl#cincinnati</a>
NPR: Do you have lead pipes in your home?	- an interactive quiz to help homeowners determine if they have a lead pipe in their home	<a href="https://apps.npr.org/find-lead-pipes-in-your-home/en/#intro">https://apps.npr.org/find-lead-pipes-in-your-home/en/#intro</a>
California Water Board: LSLR Inventory Status	- shows the status and results of the LSLR inventory at the utility service area level	<a href="https://gispublic.waterboards.ca.gov/portal/apps/Cascade/index.html?appid=7adfc6473614ada9c0b9c351362a656">https://gispublic.waterboards.ca.gov/portal/apps/Cascade/index.html?appid=7adfc6473614ada9c0b9c351362a656</a>
Central Arkansas Water's Lead Service Line Replacement Program: Investigation, Communication, Implementation	<ul style="list-style-type: none"> <li>- identified all LSLs in the 2016 (installations of LSL's stopped in 1950)</li> <li>- staff verified a 7,900 lines (taking ~30 min per line)</li> <li>- public outreach: created a dedicated email, engaged the board of commissioners, developed an informative brochure, and a customer outreach letter</li> </ul>	<a href="https://doi.org/10.1002/awwa.1479">https://doi.org/10.1002/awwa.1479</a>
National Survey of Lead Service Line Occurrence	- estimated to be ~100,000 LSL's in Virginia (as of 2013)	<a href="https://doi.org/10.5942/jawwa.2016.108.0086">https://doi.org/10.5942/jawwa.2016.108.0086</a>
Using online tools to publicize lead service line locations and promote replacement	<ul style="list-style-type: none"> <li>- compared three different online tools: 1) static map 2) interactive map that shows LSL on both private and public side 3) interactive map that showed LSL only on private side 4) interactive database</li> <li>- The interactive map that showed LSL on both private and public side of property line was the most popular with the static map being the least popular</li> </ul>	<a href="https://doi.org/10.1002/aws2.1124">https://doi.org/10.1002/aws2.1124</a>
Safety and Affordability Are Vital for Lead Service Line Replacement	<ul style="list-style-type: none"> <li>- developed the Help Eliminate Lead Pipes (HELP) program, a low-income assistance program (funded by private donations) that helps property owners with income less than the low-income limits of the county with the cost of their private-side LSLR</li> <li>- created a fund that helps cover the cost of private-side LSLR when performed by a GCWW contractor</li> </ul>	<a href="#">Safety and Affordability Are Vital for Lead Service Line Replacement - Deshpande - 2020 - Opflow - Wiley Online Library</a>

Name	Type	Application Due Date	Program Eligibility	Project eligibility	Amounts	Interest Rate	Loan Term	Notes	Contact	URL
Beazley Foundation Inc	Grant	January 1; March 1; June 1; October 1	Grant applicants must be a non-profit organization that has a discussion with the President of the Foundation or his/her designee prior to submission. ; Preference given to cities of southern Hampton Roads	ranging from recreation centers for both adults and children, to housing projects, endowed college scholarships and human needs	varies based on project	NA	NA	NA		<a href="http://www.beazleyfoundation.org/index.html">http://www.beazleyfoundation.org/index.html</a>
Business Development Corporation: SBA 7(a) Loan Guaranty Program and SBA 504 Deventure Program for Day Cares	Loan	varies	Day Cares	Expansion or renovation, equipment purchase, and leasehold improvements.	\$100,000 - \$5,000,000	Fixed for entire term based on SBA 504 rate	10 years (equipment) 20-25 years (real estate)			<a href="https://www.businessdevelopment.org/daycares.html">https://www.businessdevelopment.org/daycares.html</a>
HUD Community Development Block Grant	Grant		Chesapeake, Hampton, Newport News, Norfolk, Portsmouth, Suffolk, Virginia Beach	Each activity must meet one of the following national objectives for the program: benefit low- and moderate-income persons, prevention or elimination of slums or blight, or <b>address community development needs having a particular urgency because existing conditions pose a serious and immediate threat to the health</b> or welfare of the community for which other funding is not available.				70% of the funding must be used for activities that benefit low and moderate income persons	Dependent on Locality	<a href="https://www.hudexchange.info/programs/cdbg-entitlement/cdbg-entitlement-program-eligibility-requirements/">https://www.hudexchange.info/programs/cdbg-entitlement/cdbg-entitlement-program-eligibility-requirements/</a>
VDOE: Literary Fund Loan/Grant Programs	Loan		Public Schools	Major Plumbing Upgrades, renovation/retrofit work	up to \$7.5 million	derived from local composite index of ability to pay; typically 2-4%				<a href="https://www.doe.virginia.gov/support/facility_construction/literary_fund_loans/index.shtml">https://www.doe.virginia.gov/support/facility_construction/literary_fund_loans/index.shtml</a>
Virginia Pooled Financing Program	Loan	43868	Government Borrowers	Drinking water, waste water, solid waste, and more (see site for full list)	minimum recommended: \$750,000	market based	up to 30 years	Use VRA credit for interest		<a href="https://www.virginiaresources.gov/page/virginia-pooled-financing-program/">https://www.virginiaresources.gov/page/virginia-pooled-financing-program/</a>
USDA Water and Waste Disposal Direct Loan	Loan	Year Round	assists applicants (<10,000 people) who are not otherwise able to obtain commercial credit on reasonable terms	provides funding for clean and reliable drinking water systems, sanitary sewage disposal, sanitary solid waste disposal, and storm water drainage to households and businesses in eligible rural areas	based on needs of project	fixed interest rate based on need for project and MHI	up to 40 years	Eligible for drinking water, wastewater, solid waste, and storm water	Peggy Jordan (757) 346-3158 Peggy.jordan@usda.gov	<a href="https://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program">https://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program</a>
USDA Water and Waste Disposal Grants	Grant	year round	assists applicants (<10,000 people) who are not otherwise able to obtain commercial credit on reasonable terms	offered in assistance to loan to help reduce user costs to a reasonable level	up to 20% of loan amount			Eligible for drinking water, wastewater, solid waste, and storm water	Peggy Jordan (757) 346-3158 Peggy.jordan@usda.gov	<a href="https://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program">https://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program</a>
USDA Water and Waste Disposal Predevelopment Grants	Grant	Year Round	Eligibility: population <10,000; and have a MHI < 80% state MHI for non-metropolitan areas	assists low income communities with initial planning and development of applications for Water and Waste Disposal Direct Loan	Max \$30,000 or 75% of predevelopment Costs			At least 25% of project costs must come from applicant or third party sources; Eligible for drinking water, wastewater, solid waste, and storm water	Peggy Jordan (757) 346-3158 Peggy.jordan@usda.gov	<a href="https://www.rd.usda.gov/programs-services/water-waste-disposal-predevelopment-planning-grants">https://www.rd.usda.gov/programs-services/water-waste-disposal-predevelopment-planning-grants</a>

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USDA Special Evaluation Assistance for Rural Communities and Household (SEARCH)	Grant	Year Round	localities with population <2,500 and MHI < 80% state MHI for non-metropolitan areas	assists with predevelopment feasibility studies, design and technical assistance on proposed water and waste disposal projects	based on available funds and project needs				Peggy Jordan (757) 346-3158 Peggy.jordan@usda.gov	<a href="https://www.rd.usda.gov/programs-services/search-special-evaluation-assistance-rural-communities-and-households">https://www.rd.usda.gov/programs-services/search-special-evaluation-assistance-rural-communities-and-households</a>
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VDH: Lead Elimination Assistance Program	Grants	4/1/2021		for each service line replaced on the homeowner's side of the meter. The LSL includes pipe entry into the structure (up to shut off valve) but excludes the premise plumbing.	up to \$5,000 as grant funds (of which up to \$500 may be eligible as an admin fee)			Still preparing the application materials		<a href="https://www.vdh.virginia.gov/drinking-water/fcap/leap/">https://www.vdh.virginia.gov/drinking-water/fcap/leap/</a>

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EPA Water Infrastructure Finance Initiative Act (WIFIA)	Loan	Summer	local governments, public service authorities, agricultural producers, partnerships, and corporations	- Projects that are eligible for the Clean Water SRF, notwithstanding the public ownership clause - Projects that are eligible for the Drinking Water SRF	minimum \$20 million project size	equal to or greater than the US Treasury Rate	up to 35 years with 5 years of deferred payment	can fund up to 49% of project, recommend that you co-finance with clean water state revolving fund		<a href="https://www.epa.gov/wifia">https://www.epa.gov/wifia</a>
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VDH Water Supply Assistance Grant	Grant	4/1/2020	CWS owners and political subdivisions	Drinking water projects; this year focuses on lead service line replacement	depends on project (max 50,000 - 200,000)			part of drinking water state revolving fund program		<a href="http://www.vdh.virginia.gov/drinking-water/financial-construction-assistance-programs/drinking-water-funding-program-details/">http://www.vdh.virginia.gov/drinking-water/financial-construction-assistance-programs/drinking-water-funding-program-details/</a>
VDH: Drinking Water State Revolving Fund Program	Loan	4/1/2020	Government Borrowers	Drinking water projects that focus on correcting health and compliance issues	upwards of \$10 million	1% less than market rate	up to 20 years (up to 30 for disadvantaged waterworks)			<a href="http://www.vdh.virginia.gov/drinking-water/financial-construction-assistance-programs/drinking-water-funding-program-details/">http://www.vdh.virginia.gov/drinking-water/financial-construction-assistance-programs/drinking-water-funding-program-details/</a>
Virginia Pooled Financing Program	Loan	2/7/2020	Government Borrowers	Drinking water, waste water, solid waste, and more (see site for full list)	minimum recommended: \$750,000	market based	up to 30 years	Use VRA credit for interest		<a href="https://www.virginiaresources.gov/page/virginia-pooled-financing-program/">https://www.virginiaresources.gov/page/virginia-pooled-financing-program/</a>
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