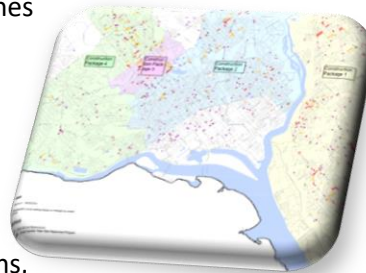


*Capital Improvement Project and Emergency Repair Replacement (CIPERR)*

DC Water’s 10-year Capital Improvement Plan (CIP) for water main replacement is funded at \$632 million to replace approximately 130 miles of water main and 5,827 of lead service lines (20% of all lead service lines). The by-block groups, when funded, will become part of the CIP.

The LSR Planning model identifies future lead service line replacements that will require a minimum of 22 miles of water main replacement (By Block: LSLs and Water Main Replacement Group). The amount of water main that will require replacement could increase as construction proceeds due to the main breaking upon construction, water quality changes that dictate a need to replace the water main, or other operational needs requiring the replacement. The total planning level cost range for the CIP projects (both funded and new “by-block” unfunded projects) is \$858 million to \$1,012 million.

- DC Water-initiated replacements during CIP work
- Block by block replacements of lead service lines
- DC Water pays for 100% of Public-Side Replacement costs
- The District pays for 100% of Private-Side Replacement costs
- Target model prioritizes vulnerable populations, such as young children and pregnant women



**dc** LEAD FREE DC Procurement & Compliance

- 1. Program Management Services -** *Planning, Design, Permitting, Inspection, Field Engineering, and Construction Management of the overall LSLR program.*
- 2. Utility Construction Services -** *Removing and Replacing estimated 28,000 lead service lines by FY2030 in the most equitable and efficient manner.*
- 3. Equity, Inclusion & Diversity Objectives -** *Achieving significant and meaningful engagement by Certified Business Enterprises, Local Small Businesses, and the Local Workforce.*  
  
Expected work elements include: Plumbing; Paving; Permanent Restoration; Milling and Overlay.
- 4. Innovative Practices –** *Providing the most effective delivery approach for this program including, but not limited, to organizational structures, contractual arrangements, joint-ventures, mentor-protégé, public private partnerships, or other effective means and methods for accomplishing LFDC's goals.*
- 5. Innovative Financing –** *Creating a unique non-traditional financing strategy to fund capital projects from Public Private Partnerships to Pay for Success models, Design-Build-Finance, and more.*



Phased Implementation

- **Phase I:** Current Phase, replacing 800 LSLs through small diameter water main projects and voluntary replacement programs
- **Phase II:** Ramp up to replacement rate necessary to complete LFDC by 2030; Phase II starts with charter schools and areas prioritized by vulnerable population and ADI
- **Phase III:** Continue prioritized lead replacement to address lead and water quality
- **Phase IV:** Continue prioritized lead replacements in areas with unknown material types

