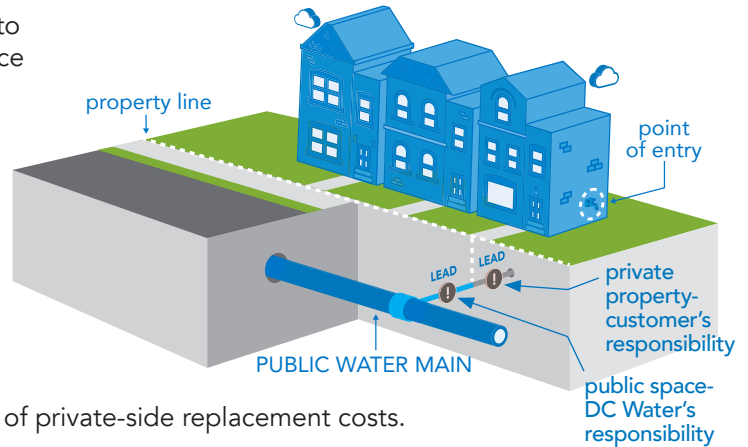


In 2019, DC Water launched the **Lead Free DC** initiative to 1) accelerate replacement of more than 25,000 lead service lines and 2) align DC Water's replacement programs to incorporate new District law.

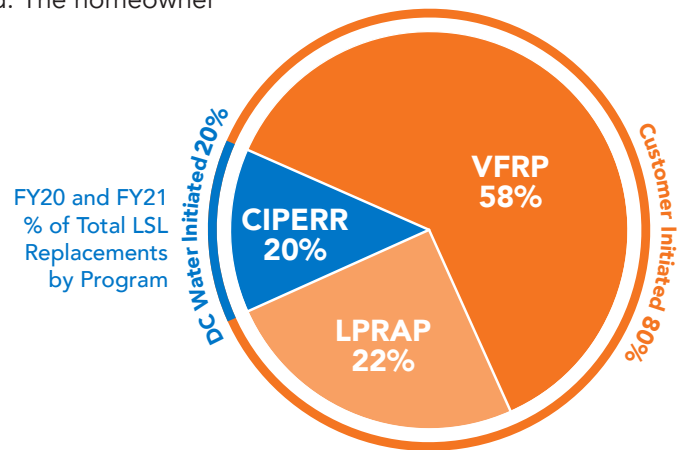
Lead Free DC comprises three lead service line (LSL) replacement programs, two of which are funded in part by the District.

- CIPERR (Capital Improvement Project and Emergency Repair Replacement)**
 DC Water-initiated replacements during planned capital improvement work and emergency repairs. The District pays for 100% of private-side replacement costs.
- LPRAP (Lead Pipe Replacement Assistance Program)** Customer-initiated replacements where only the private-side is lead. The District pays for 50-100% of private-side replacement costs.
- VFRP (Voluntary Full Replacement Program)** Customer-initiated replacements where both the public-side and private-side are lead. The homeowner pays for 100% of private-side replacement costs.



FY20 and FY21 LSL Replacements by Program

program	FY20 (Oct 1, 2019 - Sep 30, 2020)	FY21 (Oct 1, 2020 - Jan 31, 2021)	total
CIPERR	103	56	159
LPRAP	129	51	180
VFRP	301	168	469



Progress

Since October 2019, DC Water has provided 314 free and discounted lead replacements that have saved customers nearly \$1 million in combined costs (**figure 1**).

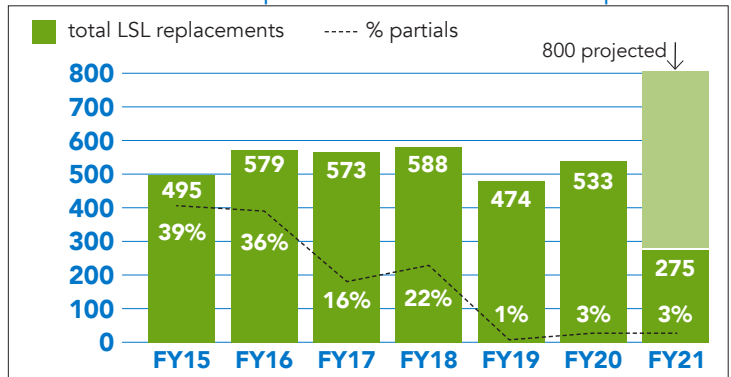
DC Water expects to complete 800 LSL replacements this fiscal year—the most of any year in the past decade (**figure 2**).

DC Water is excited to break ground later this year on several capital projects that will remove 150 lead service lines from neighborhoods across wards 1, 3, 4, 5, 6, and 7. District funding to pay for private-side replacement costs has been instrumental in helping DC Water eliminate LSLs in their entirety.

FIGURE 1. District-Funded Lead Assistance Programs

	FY20	FY21	Total
Total (all programs)	533	275	808
Discounted LSL Replacements	207	100	314
Customer Savings	\$600,000	\$298,279	\$958,279

FIGURE 2. Partial LSL Replacements as a % of Total LSL Replacements





DC Water plans to remove all lead service lines in the District of Columbia by 2030

Funding

DC Water’s capital improvement plan (CIP) for water main replacement work is estimated to address 20% of known lead service lines by 2030. The current funding level for this work is **\$627 million** and does not include **\$22 million** needed for private-side lead service line replacement.

DC Water estimates that the remaining 80% of lead service lines will be removed on a block-by-block basis and through established customer-initiated programs. The estimated cost of this effort is **\$703 million**, which is currently unfunded and not included in the approved CIP. It also does not include **\$76.5 million** needed for private-side lead service line replacement.

Cost to Eliminate All LSLs in 10 Years	Cost Estimate	% of Total Cost
Public-side Replacement Costs - CIP	\$627,200,000	44%
Public-side Replacement Costs - Block-by-Block	\$703,200,000	49%
Private-side Replacement Costs - CIP	\$22,200,000	2%
Private-side Replacement Costs - Block-by-Block	\$76,500,000	5%
Public-side Subtotal	\$1,330,400,000	93%
Private-side Subtotal	\$98,700,000	7%
Grand Total	\$1,429,100,000	100%



An Equitable Approach

To tackle the 80% of lead lines not addressed by the current approved capital improvement plan, DC Water has developed a model to use water quality and health equity data to prioritize future lead service line replacement projects.

This approach prioritizes lead replacement for:

1. Vulnerable populations most impacted by lead exposure (children and seniors).
2. Communities that are historically underserved, and experience disproportionately poorer health outcomes compared with other parts of the city.

The model scores and ranks blocks according to the health benefit and social impact of lead service line replacement so that projects can be funded and executed equitably.

Funded and Unfunded Public-side and Private-side Costs to Eliminate All LSLs in 10 Years

