



CLEVELAND WATER LEAD SERVICE LINE REPLACEMENT PROGRAM

LEADLOOKUP@CLEVELANDWATER.COM

216-664-2882

CLEVELANDWATER.COM/LEAD



CWD LEAD SERVICE LINE REPLACEMENT TIMELINE

1953 Last year allowed lead service lines (LSLs)

1954 Began replacing city-LSLs during water main replacements. During repairs, city-LSLs sometimes replaced, sometimes repaired.

2018 Began free customer-owned LSLRs if we disturb service during water main repairs/replacements; and free city-owned LSLR if customer replaces their SL

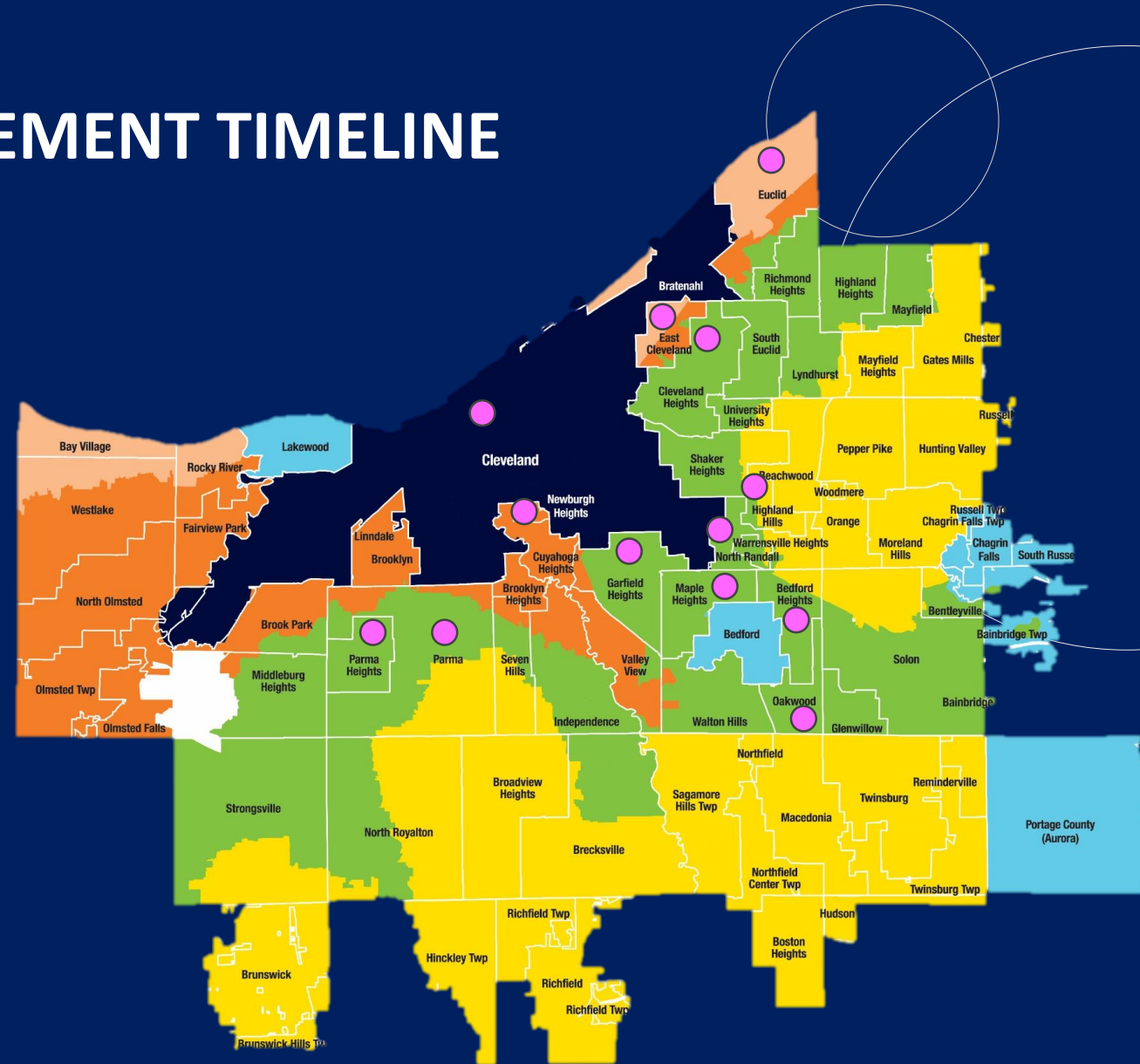
July 2021 Began Childcare LSLR Program

Nov 2021 BIL\$ for LSLR proposed by Feds

Feb 2022 Began replacing customer's galvanized

June 2022 Began development of LSLR Program and seeking funding from Ohio EPA's share of BIL\$

Aug 2023 BIL\$ in place from Ohio EPA & OWDA to CWD. LSLR Program begins Year 1 work.



 disadvantaged city



WHERE'S THE LEAD?

WHEN

- City-owned = Pre-1954 original water main install
- Customer = Pre-1954 service line/building construction
- Sometimes city-owned services were built years to decades before the customer service line was installed

LOCATIONS

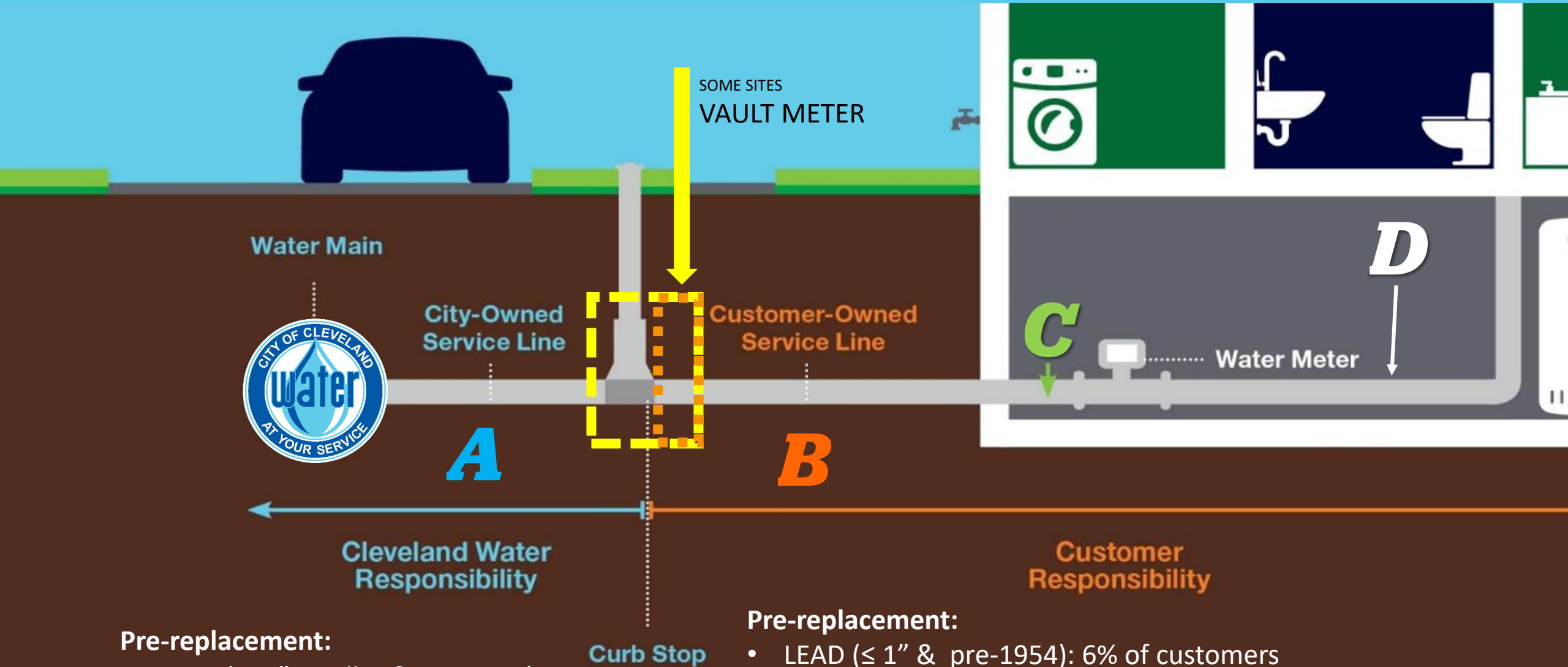
- Residential
- Small commercial

SIZE

- ≤ 1 " inside diameter. Most are 5/8"



OVER 90% OF CUSTOMERS HAVE COPPER at “B-C”



Pre-replacement:

- LEAD ($\leq 1''$ smaller & pre-1954)
- COPPER

Pre-replacement:

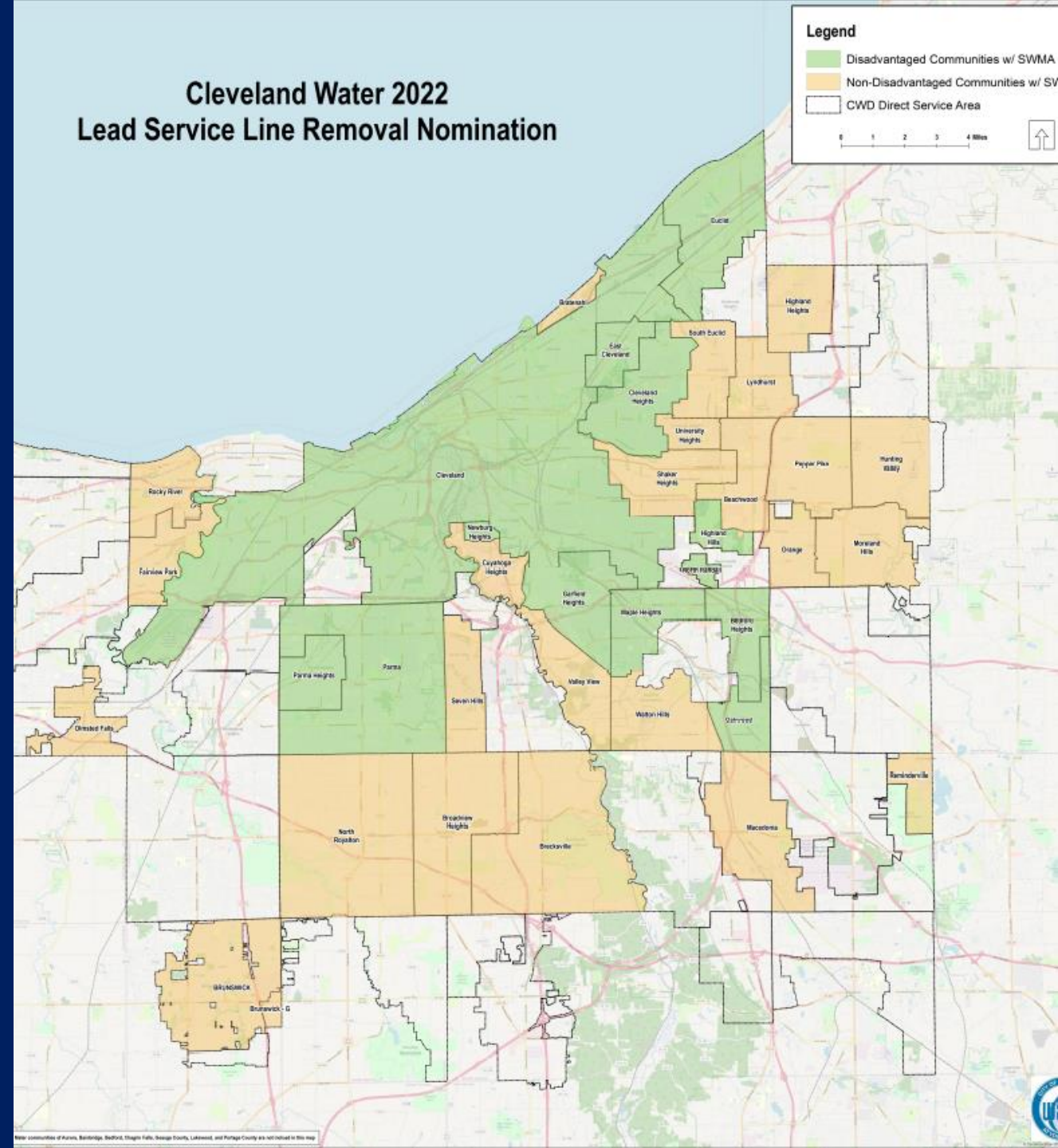
- LEAD ($\leq 1''$ & pre-1954): 6% of customers
- GALVANIZED STEEL ($\leq 1''$ needs replaced on pre-1954 installs)
- COPPER: $\geq 90\%$ of customers



USE OF BIL\$ FOR LSLRs IS RESTRICTED BY EPA

- Must have signed CWD’s restated Suburban Water Main Replacement Agreement (i.e. CWD owns the pipes)
- Must be a “Disadvantaged Community” (listed below with # city-LSLs and % of connections in that city)
 - Cleveland 90,202 (51%)
 - Bedford Heights 24 (<1%)
 - Cleveland Heights 10,944 (71%)
 - East Cleveland 3,499 (78%)
 - Euclid 8,570 (52%)
 - Garfield Heights 5,282 (47%)
 - Highland Hills 60 (<1%)
 - Maple Heights 5,052 (51%)
 - Newburgh Heights 519 (69%)
 - North Randall 3 (1.5%)
 - Oakwood Village 38 (2.7%)
 - Parma 12,701 (41%)
 - Parma Heights 1,118 (17%)
- 78% of lead-possible connections in these 13 cities

Cleveland Water 2022 Lead Service Line Removal Nomination





PROCESS FOR OBTAINING OWDA LOANS w/ BIL\$

- City Council approves annual legislation so CWD can nomination projects to Ohio EPA
- February – CWD submits nominations and work plan
- March to May – OEPA includes in state's Drinking Water Assistance Fund Program Mgmt Plan submitted to USEPA
- June to August – OEPA releases Final DWAF PMP
- August to December – If CWD LSLR nominations are in PMP, then CWD can submit applications for projects
 - CWD issues ITBs for construction projects
 - Winning bidders approved by Board of Control
- CWD submits final contracts and documentation to Ohio EPA. They review and submit to OWDA for loans \geq 45-days before monthly loan consideration meeting
 - 53% principal forgiveness; 47% loan (20 years, 0 interest)
- Once OWDA loan approved, CWD and Contractor sign loan agreements and NTP is issued





YEAR 1 & 2 LSLR WORK

YEAR 1

- August 2022 – Nominated projects for 4,100 LSLRs
- August 2023 – LSLR work began
- 1,600 completed to date
- September 2024 – Contracts completed (estimate)
- COST (work and supplies) – \$33.4M

YEAR 2

- March 2023 – Nominated projects for 4,000 LSLRs
- May 2024 – LSLR work to begin (estimate)
- June 2025 – Contracts completed (estimate)
- COST (work and supplies) – \$31.3M

TOTAL **YEAR 1** + **YEAR 2** = 8,100 LSLRs for \$64.7M

