



Winston-Salem/Forsyth County Utilities

December 2023 Update



Presentation Topics



- 1 Biosolids Dryer Facility Update
- 2 PFAS Update
- 3 Lead & Copper Rule
- 4 Vacancy Report
- 5 Capital Improvement Projects

Biosolids Drying Facility - 2008







What are PFAS Compounds?

- PFAS are Per and Polyfluoroalkyl Substances (also known as forever chemicals)
- The term PFAS encompasses over 4,700 substances
- Widely used, long lasting chemicals, which break down very slowly over time
- Widespread in the environment being present in air, water, food, soil, etc.
- Used in the manufacture of products such as non-stick cooking surfaces, firefighting foams, dental floss, mattresses, rain gear coatings, stain resistant coatings (carpeting, furniture), etc.

PFAS Health Advisory Announcement Update

- On March 15, 2023, the EPA proposed regulation for six PFAS chemicals
 - PFOS maximum contaminant level (MCL) of 4.0 parts per trillion (ppt)
 - PFAS MCL of 4.0 ppt
 - Health index for four compounds; PFNA, PFHxS, PFBS and HFPO-DA commonly referred to as GenX
- One part per trillion is approximately 30 seconds in one million years
- Public comment period ended on May 30, 2023, and EPA anticipates publishing the final rule by the end of 2023
- Based on historical sampling data starting in 2018 and the most recent data from the Unregulated Contaminant Monitoring Rule 5 (UCMR5) currently being conducted, all samples have been non-detect for the regulated compounds in WSFC Utilities water

Lead & Copper Rule History

- Original Lead and Copper Rule (LCR) was promulgated by the Environmental Protection Agency in January of 1991
- LCR is the only rule that requires sampling from inside customer homes
- WSFC Utilities began a corrosion control program in March 1992
- Since original rule was published there have been several minor revisions
- WSFC Utilities has maintained an excellent compliance history with the original LCR and all revisions
- Developing a Lead Compliance Program (LCP) to ensure continued compliance with requirements of the LCR Revisions of 2021

Lead & Copper Rule Revision of 2021

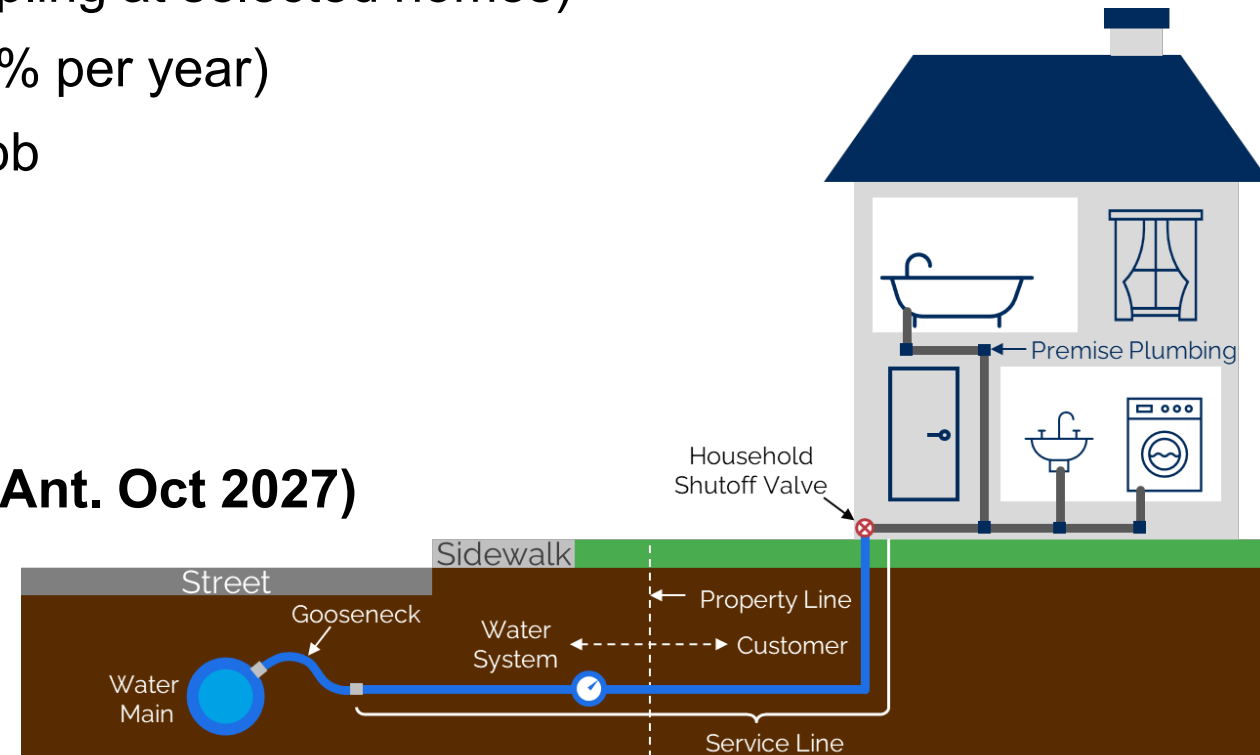
EPA Lead and Copper Rule Revisions (LCRR)



Lead & Copper Rule Revision Overview

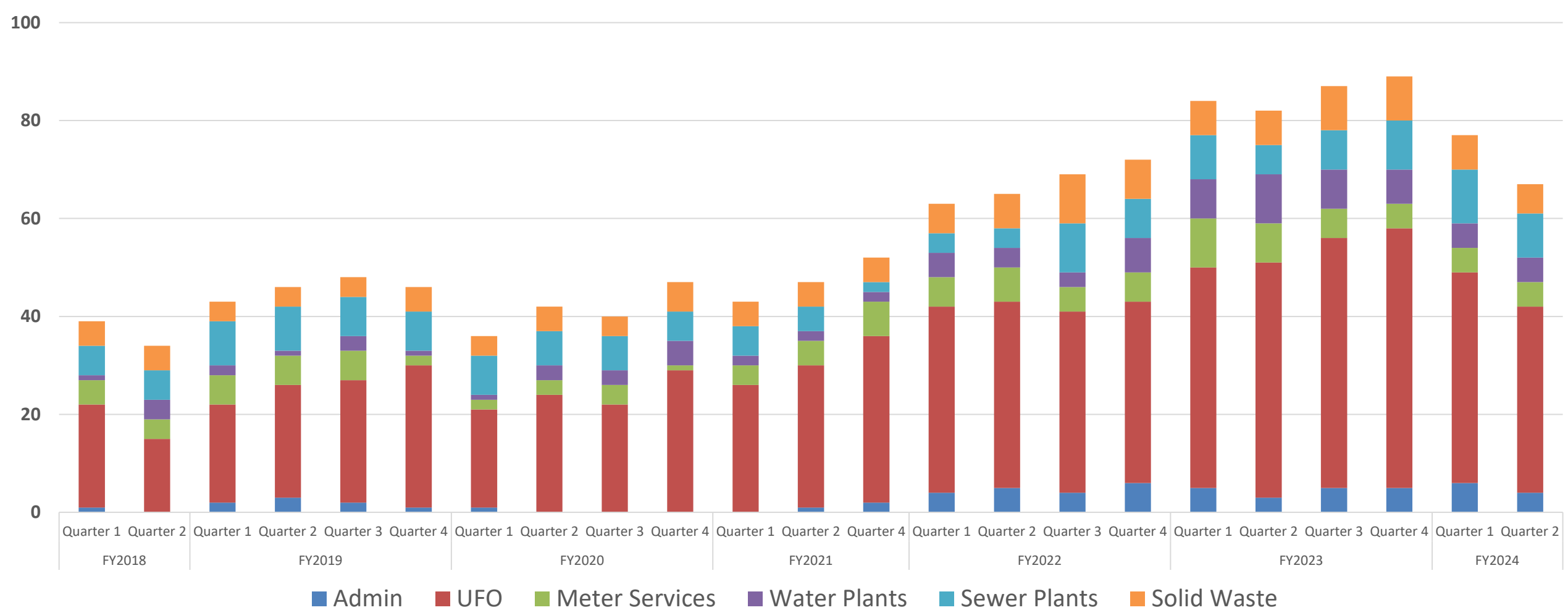
- Annual service line inventory updates available to the public (public and private sides included)
- Update LCRR Compliance Monitoring Plan (sampling at selected homes)
- Full lead replacement nationwide in 10 years (10% per year)
- Lowers the lead action level from 15 ppb to 10 ppb
- School and Childcare List and Sampling Plan
- Prepare public education and outreach materials
- Submit to Primacy Agency for approval
- Compliance deadline: **3 Years After Final Rule (Ant. Oct 2027)**

***Required for every utility in the U.S.**



Vacancy Report

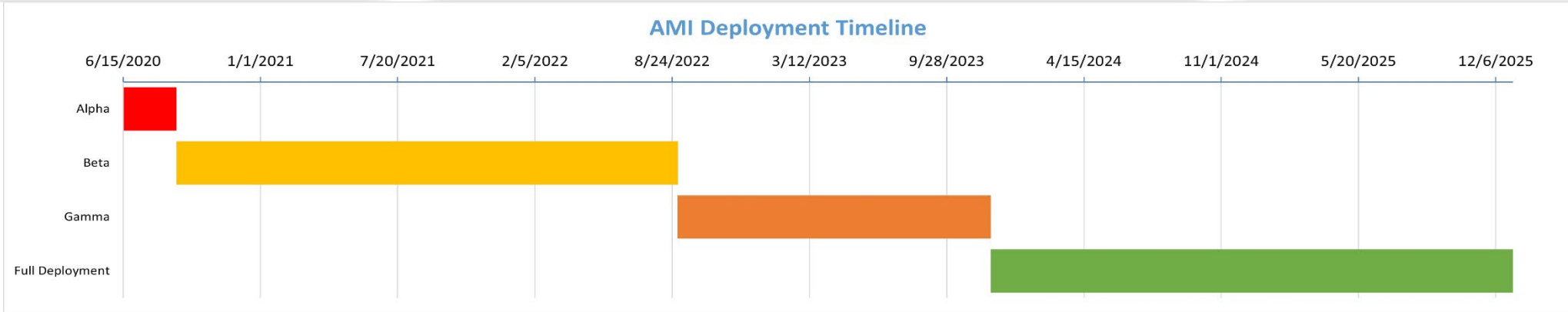
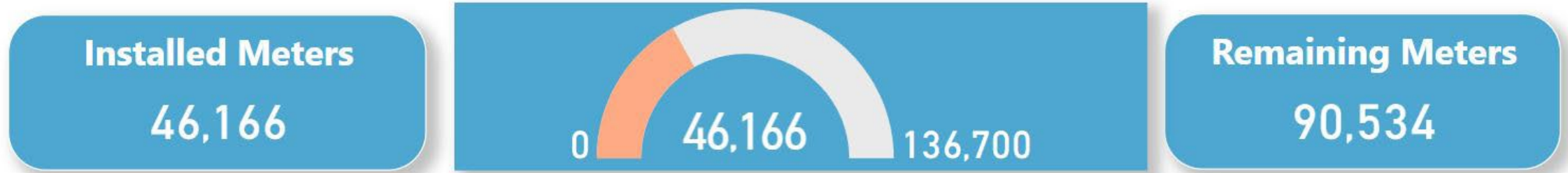
Utilities Vacancies by Division



Active Capital Projects

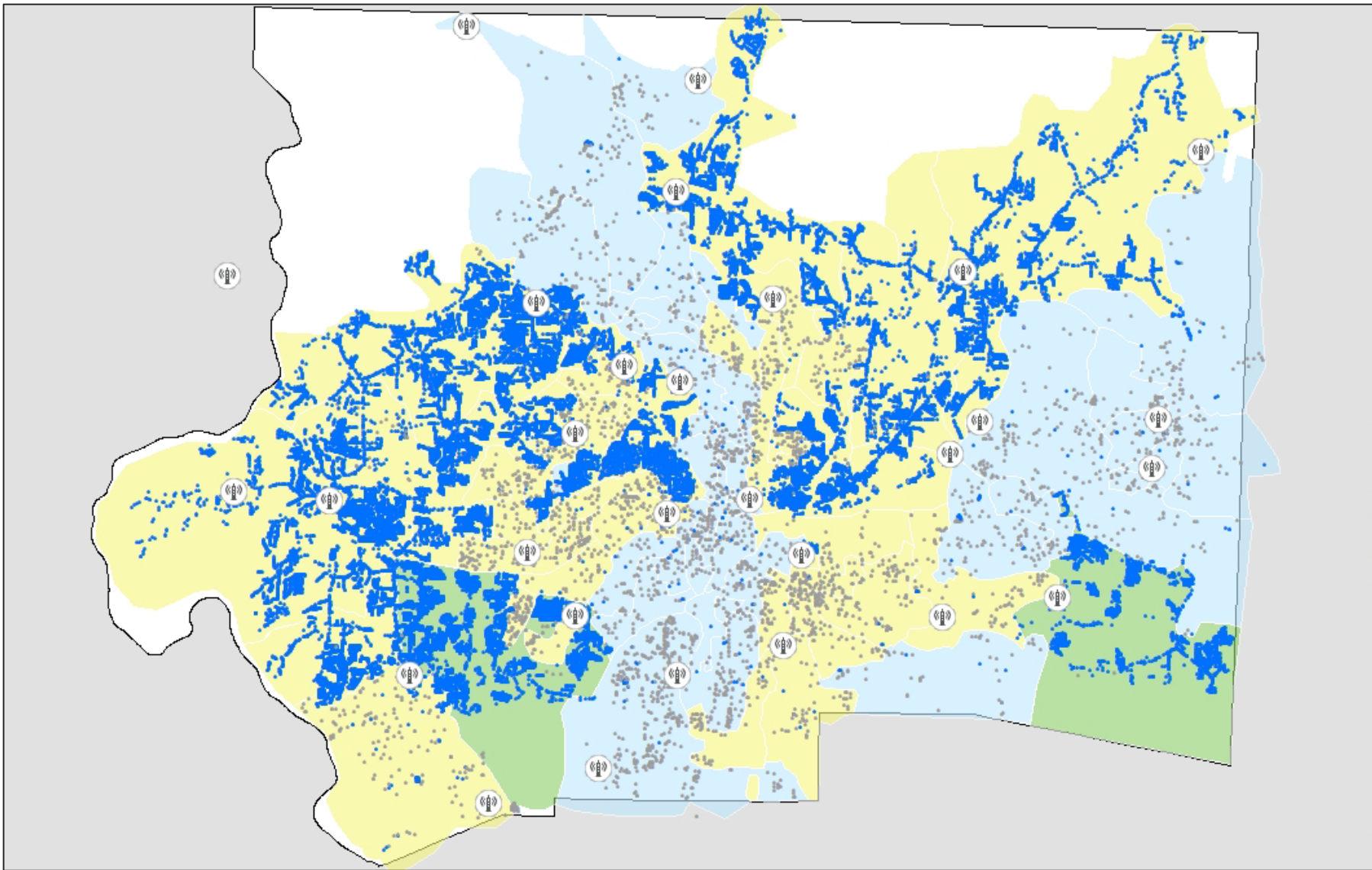
- Number of projects: 48
 - Design: 26
 - Bidding: 5
 - Construction: 17
- Spent during FY23: \$79M
- Estimated spending for FY24: \$97M

AMI Meter Installation Progress and Deployment Plan




- Alpha: June 2020 – September 2020 (~50 Meters Installed)
- Beta: September 2020 – September 2022 (~10k Meters Installed)
- Gamma: September 2022 – December 2023 (~34k Meters Installed)
- Full Deployment: December 2023 – December 2025 (~93k Meters to be Installed)

The installation progress bar is inclusive of contracted and internal installations.



AMI Project Status

- Completed AMI Install
- Meter Only Install
-  Base Stations
- In Progress Routes
- Completed Routes
- Planned Routes



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Thank you

