Gaston County

Tryon Waterline Project Overview



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Project Overview

The project will design and install drinking water infrastructure to serve the Tryon Community. Tryon Elementary School, Tryon Park, Tryon Recycling Center, and the property owners adjacent to the waterline will be able to connect to the waterline. * The project is estimated to cost $13M.







Project Funding

American Rescue Plan Act was signed into law in 2021 to support the country's recovery from the economic and health effects of the COVID – 19 pandemic.

May 2021
County received initial ARPA funding

August 2021
Began quarterly financial reporting

December 2024
All funds must be encumbered

December 2026
All funds must be spent

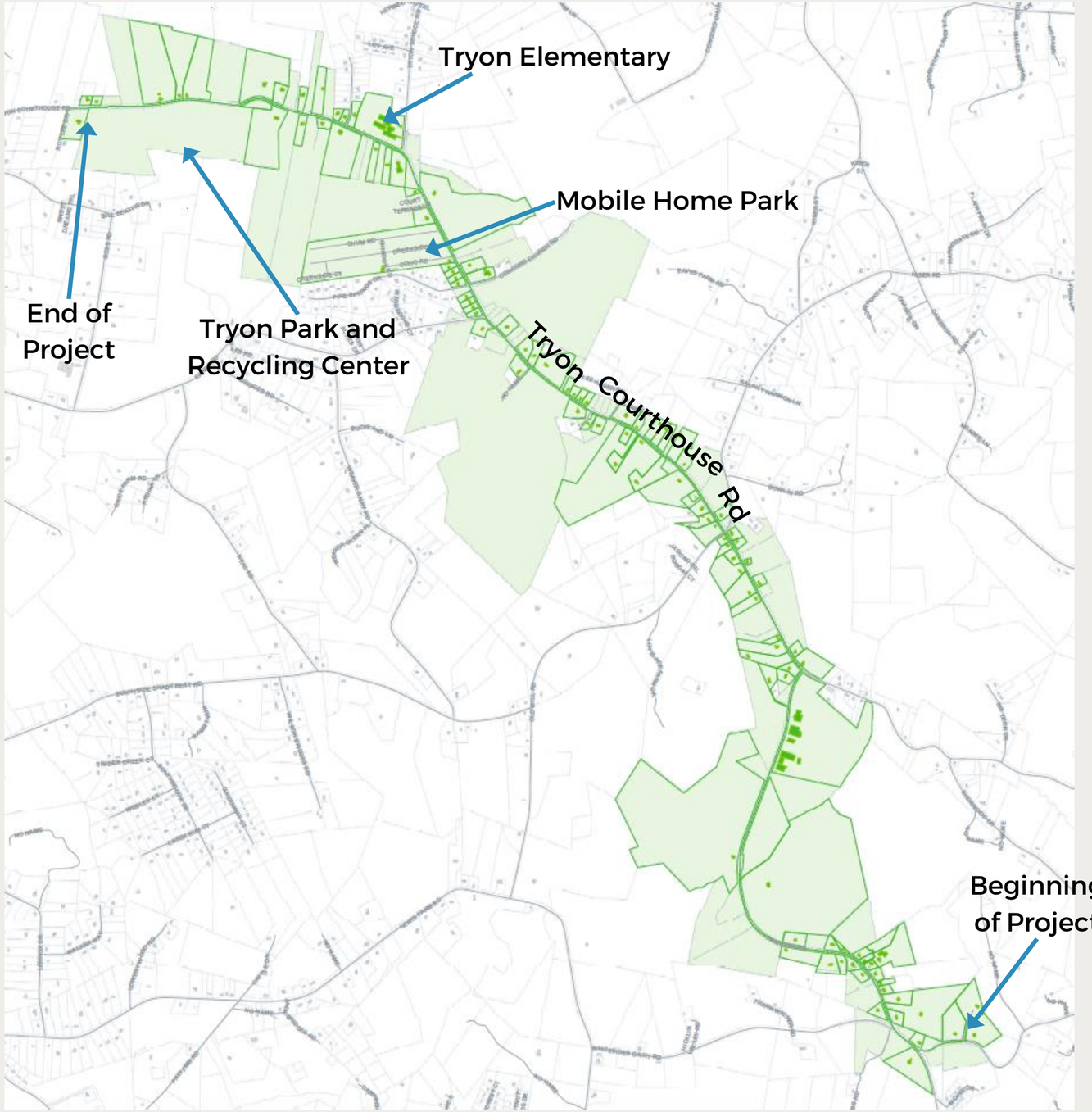
Needs That Are Addressed



- Disruptions such as covid which cause stay-at-home orders, increased remote work and increased residential water usage
- Risk of groundwater contamination
- Events of power outages and drought
- Increased future demand of natural water resources
- Threat of groundwater depletion
- Fire protection with hydrants along the route

Feasibility

1	**CAPACITY**	Engagement with municipalities about their ability to provide potable water to the Tryon Community.
2	**REVIEW**	Review of existing water distribution systems capable of serving the Tryon Community including but not limited to proximity, pipeline diameters, and available pressure and flow.
3	**ANALYSIS**	Engineers determined six (6) feasible water supply options and their anticipated cost. Three (3) possible options from both Bessemer City and Cherryville.
4	**RECOMMENDATION**	The recommendation was for water to be supplied by Bessemer City. The route selected provides the highest available water pressure and water flow.



Shaded area represents properties along the route that can potentially connect to the waterline. These structures are currently served by wells or community well systems.

Approximately 110 residential connections.

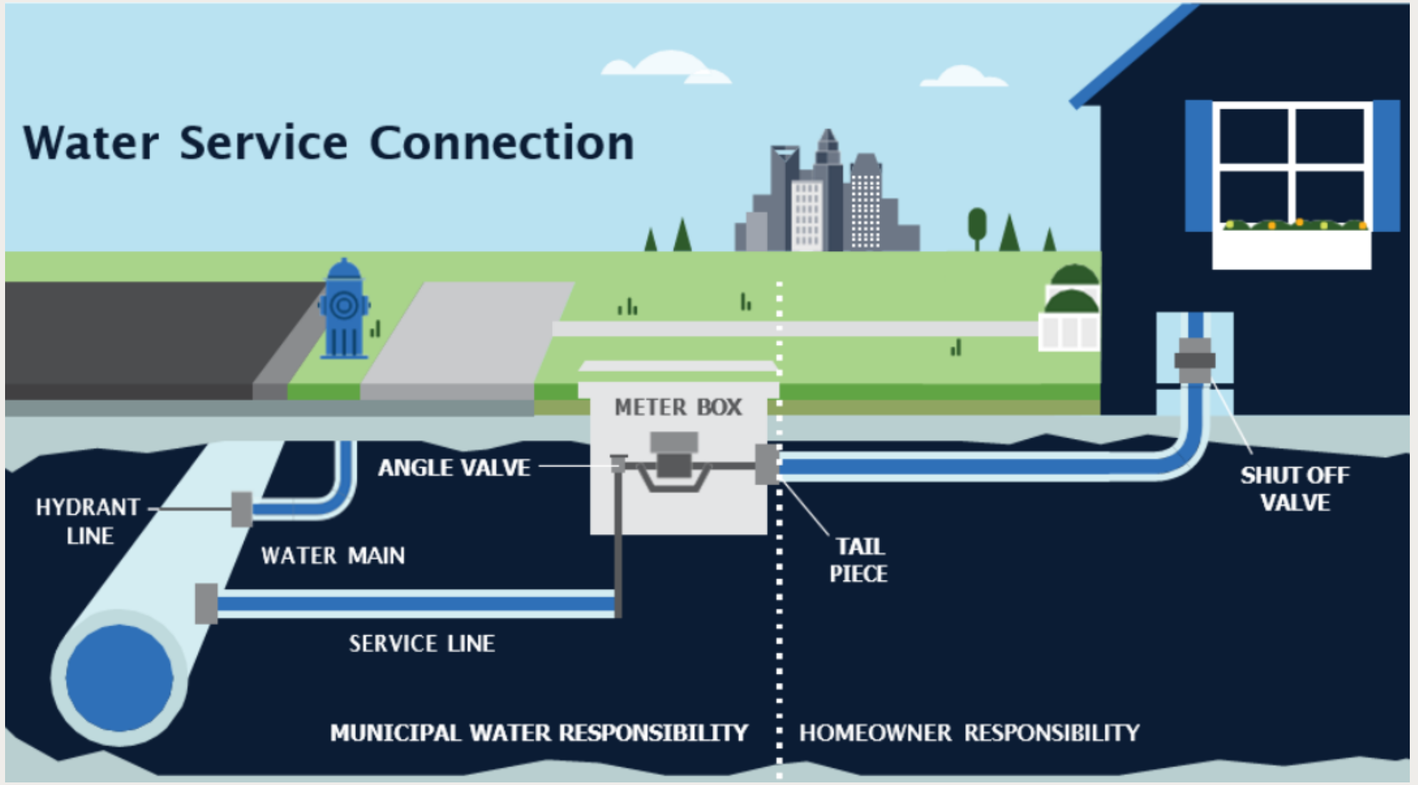
345 students served at Tryon Elementary

Mobile home park that serves 185 homes.

Grant funds can be used to assist property owners with the cost of connecting to the line.

Maximizing connections to the waterline and usage of the available water will aid in water quality.

Representation of the typical structure of waterline from the water main to a building

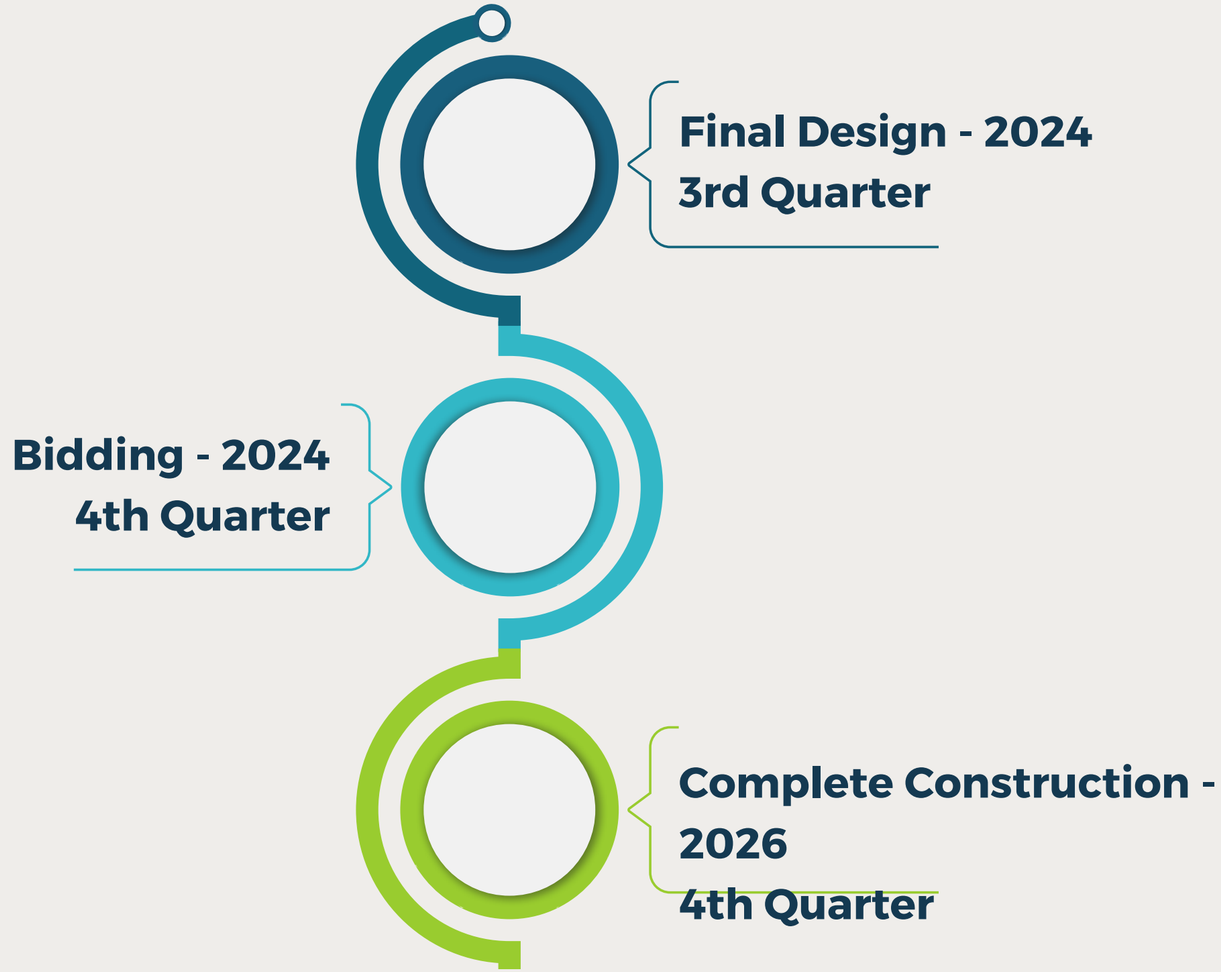


The funds will cover the installation of plumbing from the water main to the building shut off valve

Maintained by **municipality** after the project

Maintained by **homeowner** after the project

Timeline


Final Design - 2024
3rd Quarter
Bidding - 2024
4th Quarter
Complete Construction - 2026
4th Quarter

Collaborative Efforts



- **Gaston County: Primary POC. Recipient of the grant which will fund the project. Managing the project.**
- **Labella Engineering: Planning, design, project meetings, and construction oversight.**
- **Bessemer City: Will own and operate the waterline. Involved in project meetings, design review, and construction inspections.**
- **School, Park, and Recycling Center: Beneficiaries of the project. Attends project meetings and supplies on site information as needed.**

THANK YOU

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