

# Utility Updates and Initiatives

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1888 – First time public water supply available in Hendersonville. Small reservoir in Laurel Park.  
1920s – Sewer collection system constructed. Discharges directly to Mud Creek.



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NUMBER

## COMMISSION SELECTS PISGAH AS SOURCE FOR CITY'S WATER SUPPLY

Work to Begin as Soon as Government Endorses  
Blueprints; Estimated Pisgah Can Yield 7 to 10  
Millions Gallons Daily.

The city water commission has selected the Pisgah water shed as the future water source for Hendersonville. The commission has just been informed by the representatives of the project, T. D. Wright, who prepared the plans and report on the general water conditions for Hendersonville, that the state of the Pisgah shed will be completed and work will begin.

The Pisgah shed has been recommended by Engineer Wright after he had made thorough inspection of the shed and of the surrounding area. The commission considered that the shed was a good one and that it was a good source of water for the city.

## PLANS MATURING FOR BEGINNING WORK ON BANK

With assistance of Bank's Property  
and by Telephone Company, Work  
Will Begin About May 1.

Work will begin about May 1 on the new bank project. The Telephone Company has been selected to build the bank. The project is to build a bank on the Pisgah shed. The project is to build a bank on the Pisgah shed. The project is to build a bank on the Pisgah shed.

## Tribute From Our Gobs to Italy's Unknown Soldier



Members of the crew of the U. S. S. Albatross, seen on a visit to Europe's leading ports, carrying a boat through the busy of the "hidden harbor" in Rome, Italy.

## M. ALLARD CASE BECOMES COUN ROAD OVERS

S. C. Brown's Term of Office  
ended Tuesday as County 2  
Superintendent.

S. C. Brown, County 2 Superintendent, has been elected as supervisor of the Hendersonville road building project. He will be in charge of the project. The project is to build a road on the Pisgah shed. The project is to build a road on the Pisgah shed.

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PISGAH MOUNTAIN RANGE  
HENDERSONVILLE WATER SHED













July 1923









Water Treatment Facility - 1963



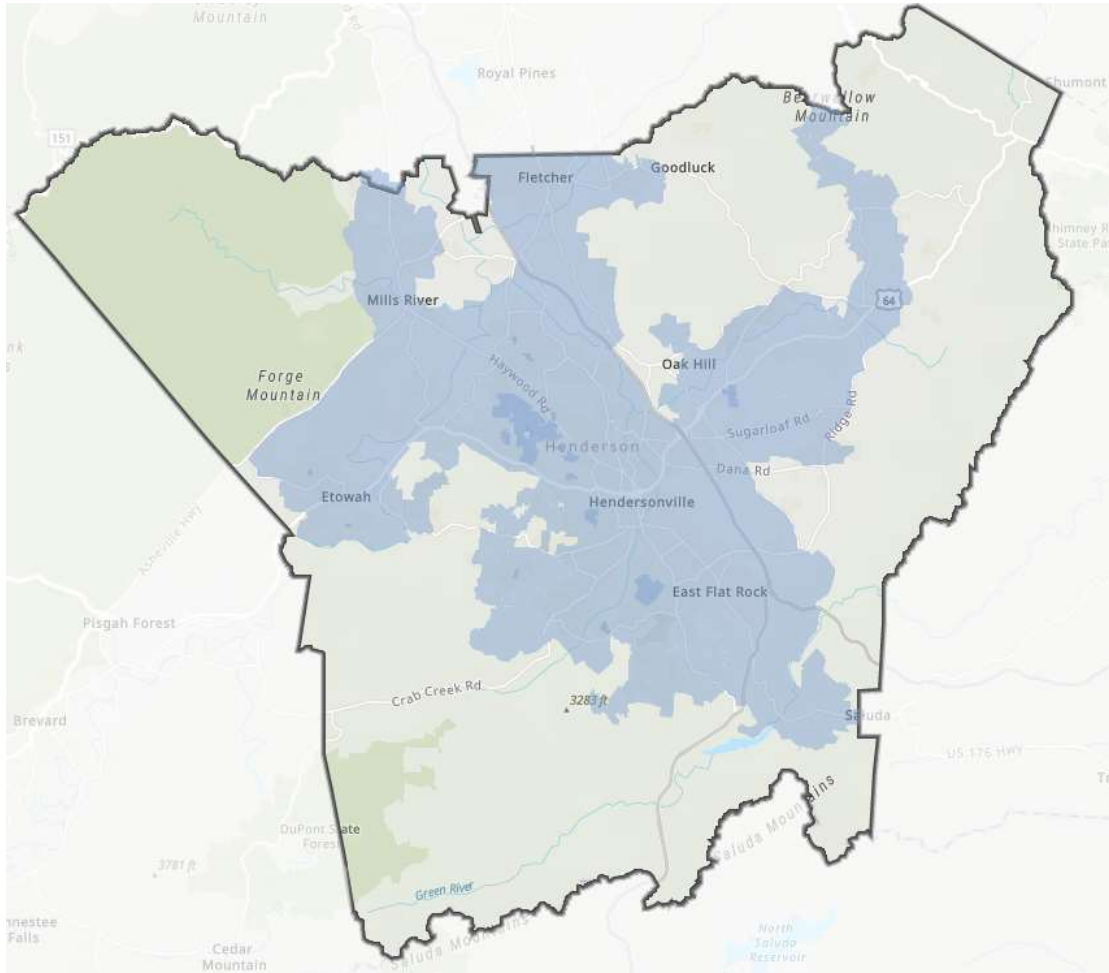
Wastewater Treatment Facility - 1963



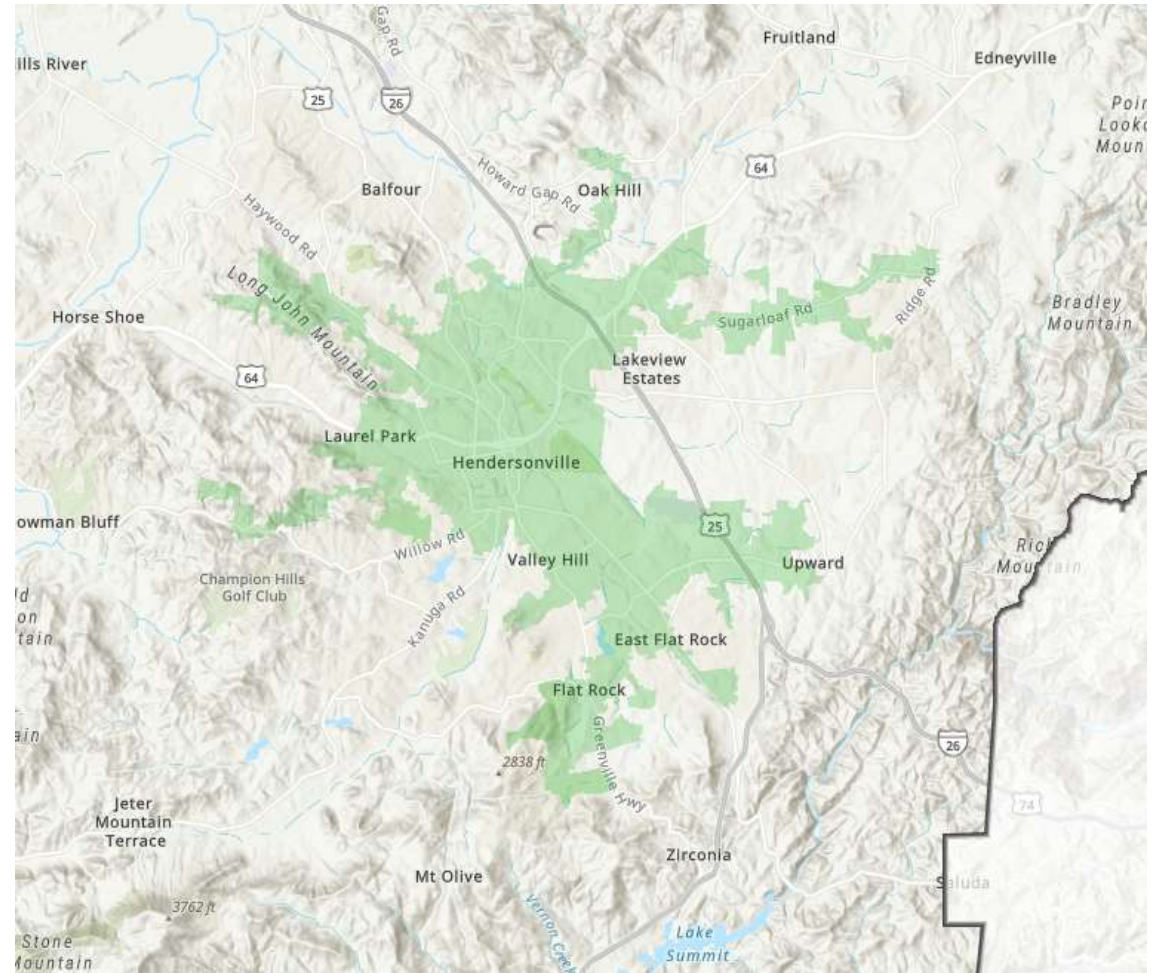
# Utility Overview Today

- Water: ~80,000 people served
- Sewer: ~20,000 people served
- Enterprise Fund
- \$24.3M annual operating budget
- 98 dedicated employees





Water Service Area



Sewer Service Area



# Water Supply





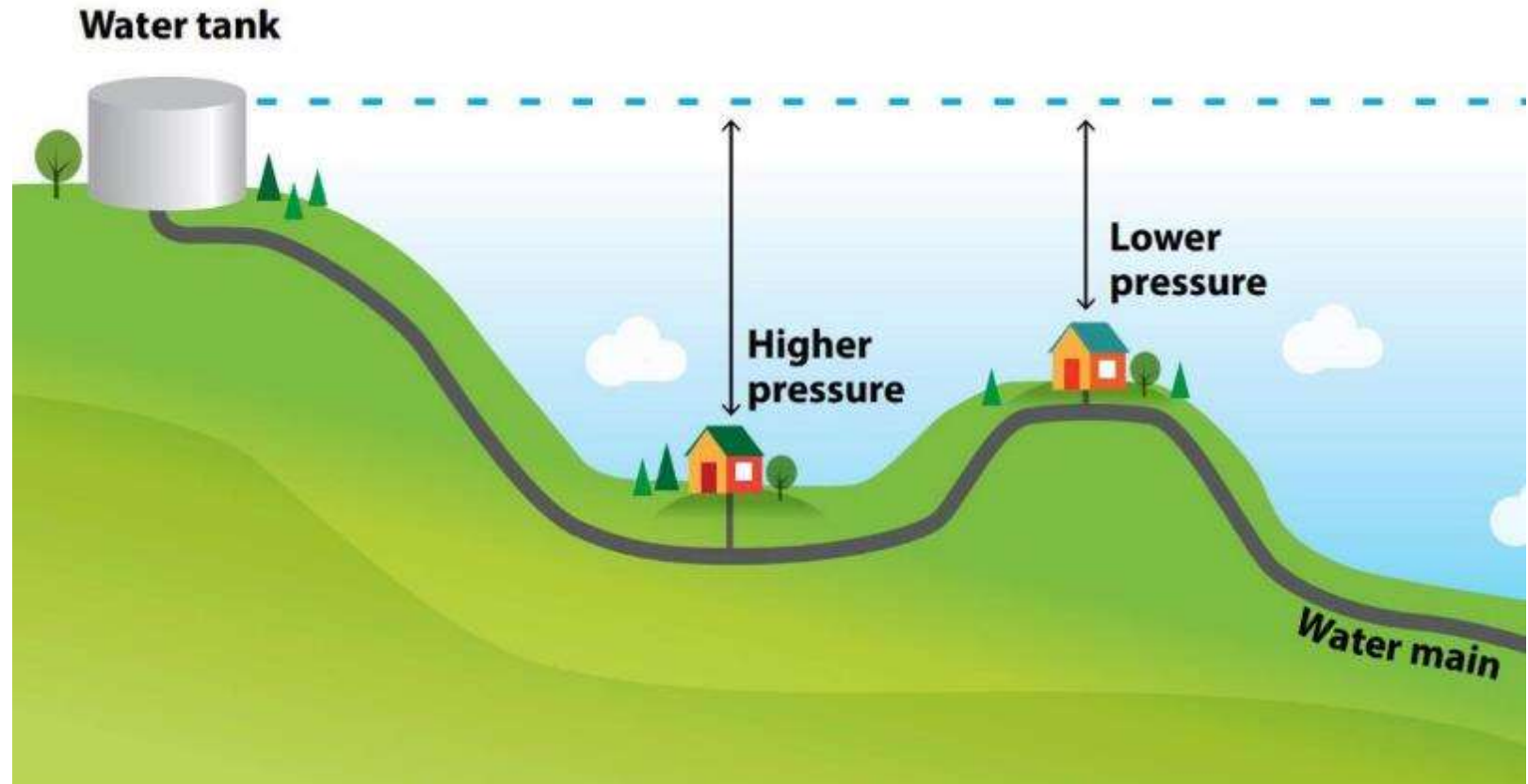
# Drinking Water Treatment





# Drinking Water Distribution

- ~700 miles of pipe
- 54 Pump Stations
- 24 Storage Tanks



# Sewer Collection

- ~180 miles of sewer pipes
- 31 Pump Stations





# Sewer Collection - Issues



## #WipesClogPipes

Clogs from wipes, rags,  
towels, 'flushable wipes', &  
other items trap grease and  
cause sanitary sewer overflows

## ONLY FLUSH THE 3 P'S



[www.hendersonvillenc.gov](http://www.hendersonvillenc.gov)



Pee



Poo



Paper



# Sewer Treatment



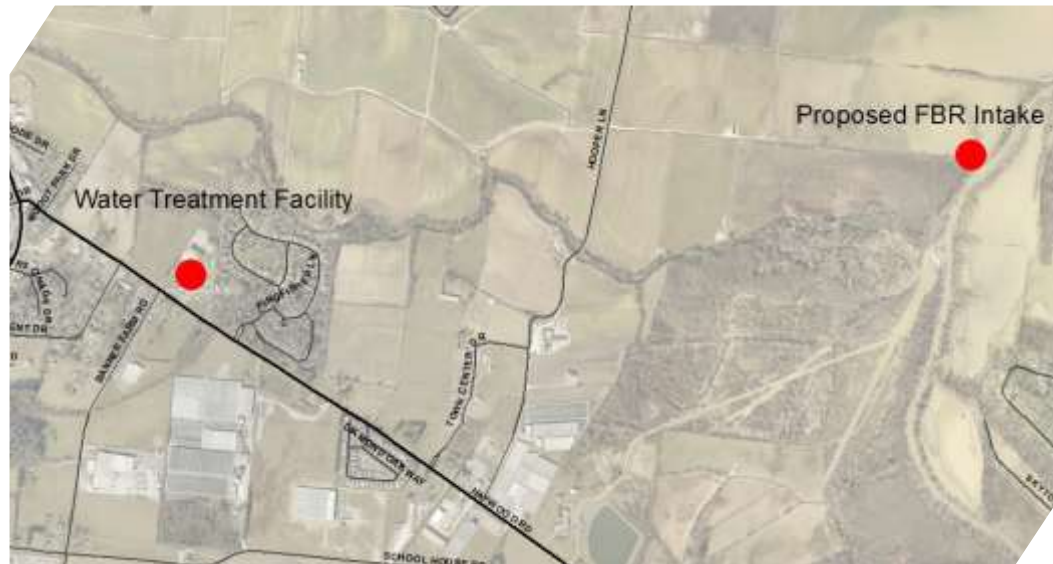




Projects

# French Broad River Intake and Pumping Station

- Drought-resilient water source
- 15 mgd capacity and expandable to 21 mgd
- Under Construction – Completion Summer 2024
- \$23.5M



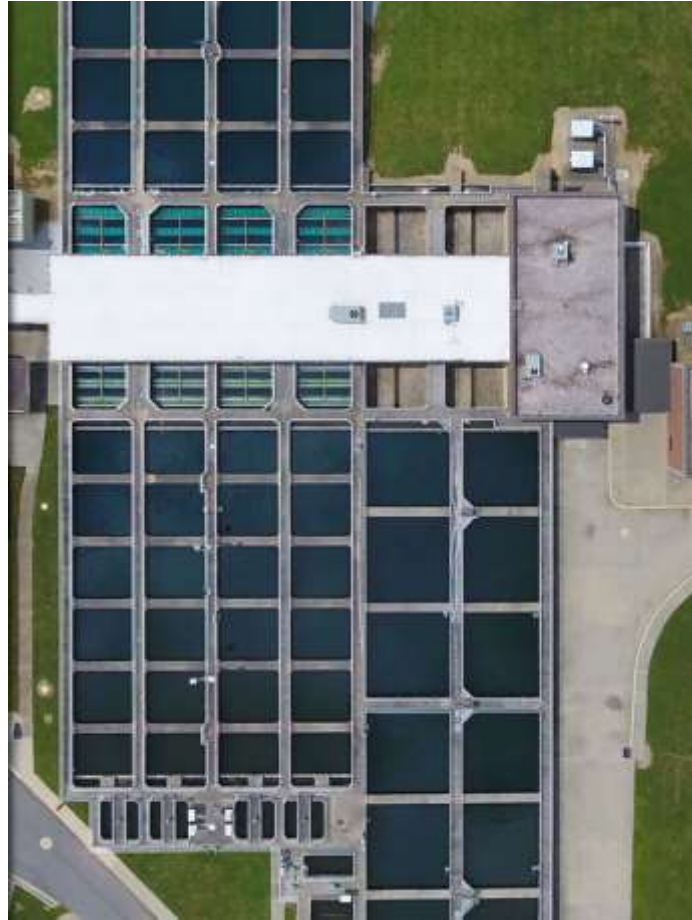


# French Broad River Intake and Pumping Station



# Water Treatment Facility Expansion – 15 mgd

- Installation of additional filter
- Additional 3 mgd capacity  
12 mgd to 15 mgd
- Status: Design/Permitting
- Construction 2024
- Estimated Cost: \$2.1M





# Water Pumping Efficiency Projects

- WTP High Service Pump Upgrade
  - Completed in 2019
  - ~12% reduction in energy use at WTP
- Pumping Schedule Improvements
  - Fill water tanks during off-peak energy use times



# Aerial Infrared Survey

- Partnership with MountainTrue 2021
- Split cost of survey
- Survey of Hendersonville Sewer Service Area
- Look for water and sewer leaks
- “Ground-truth” results





# Multi-area Streambank Restoration

- Protect utility infrastructure threatened by stream erosion
- Multiple locations
- Status: Complete
- Construction 2024
- Cost: ~\$2.9M



# WWTP Ultraviolet Disinfection Improvements

- Replacement of aging equipment
- Additional capacity
- Redundancy
- Energy Savings
- Status: Construction
- Cost: ~\$3.9M Grant



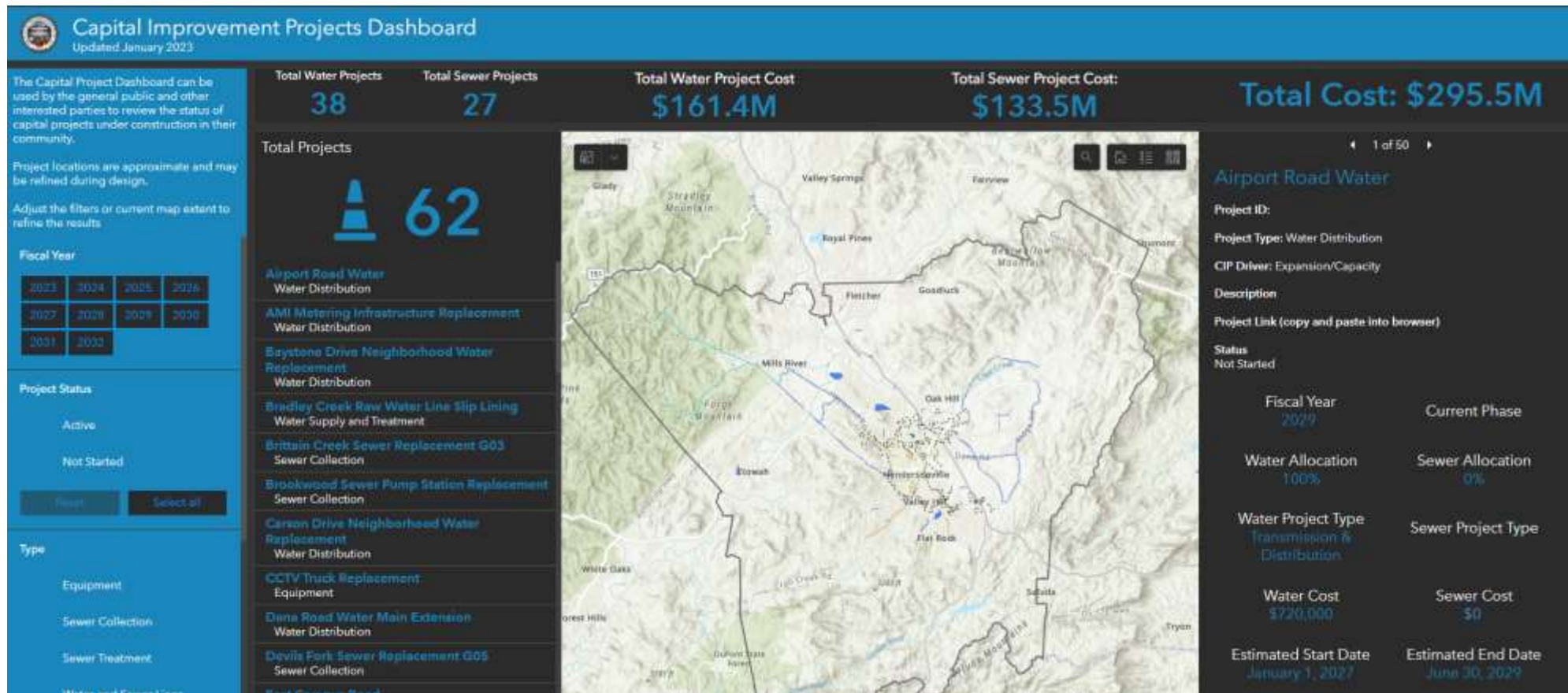


# WWTP Biosolids Thermal Dryer

- Produce high-quality biosolid
- Reduction in solids management costs
- Solar Photovoltaic System
- Status: Design/Permitting
- Construction: beginning late 2024
- Estimated Cost: ~\$17M
- Received Grant: \$14.75M



# Other Projects

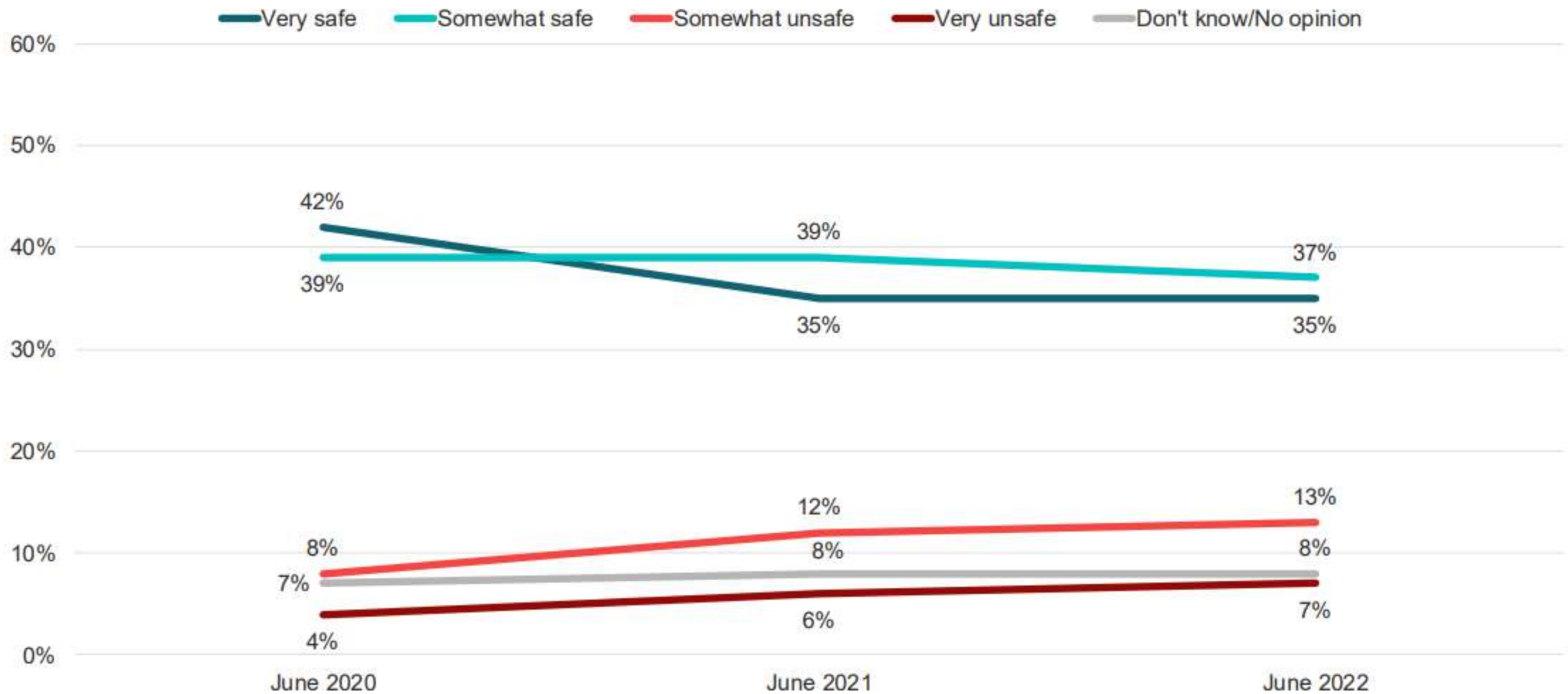


More information:  
[Water & Sewer CIP Dashboard](#)



# Utility Initiatives

# National Survey Says: Water from the faucet is...





# The Alternative..



- Primo: \$1.40/gallon (Filling station, Ingles)
- Aquafina: \$1.89/gallon (32-pack, Wal-Mart)
- FIJI: \$10.52/gallon (24-pack, Wal-Mart)

Hendersonville Tap Water: < \$0.01/gallon





# Why “Brand” Our Water?

- Build Trust and Consumer Confidence
- Customers understand the Value of Water
- Affordability (alternatives are \$\$\$)
- Reduce Waste (plastic bottles)



# Education and Outreach

- Grease Awareness
- Fix a Leak Week
- Imagine a Day Without Water
- Treatment Facility Tours







# Questions?

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