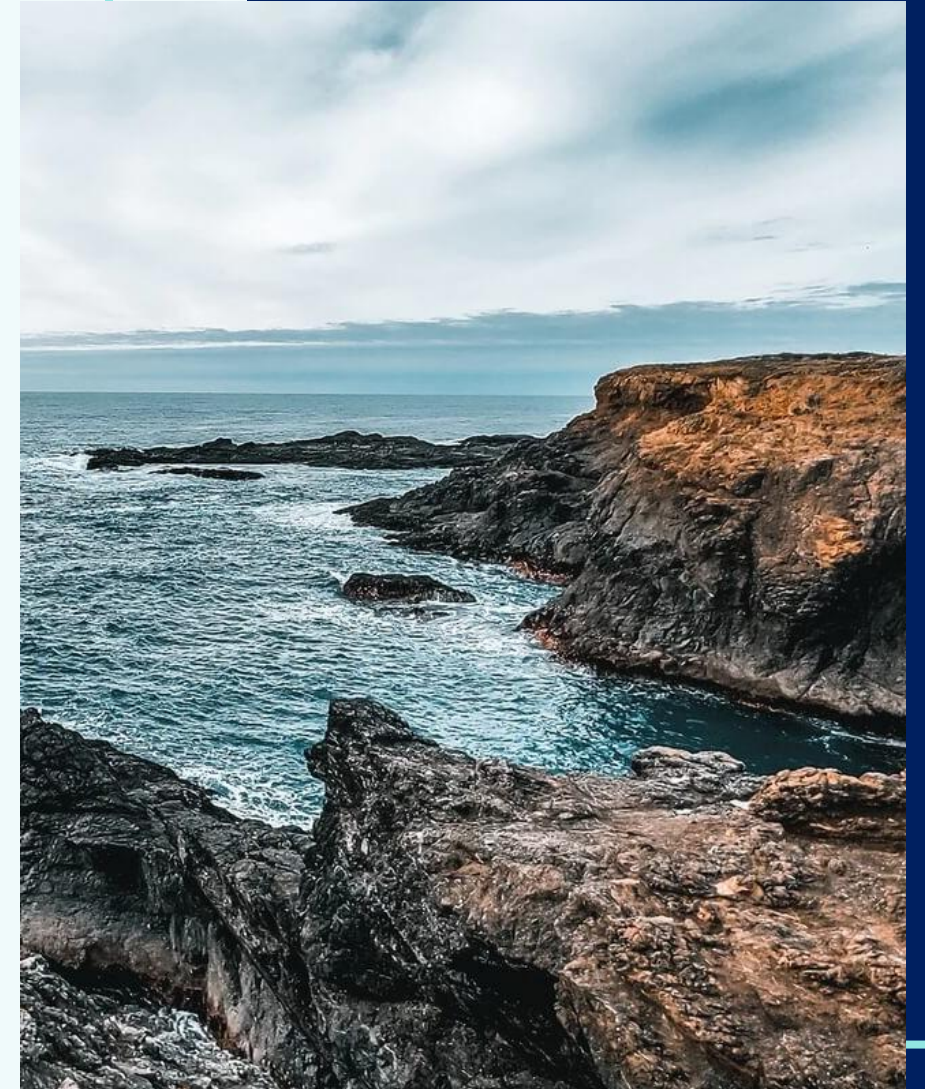


Fort Bragg Recycled Water Feasibility Study



March 24, 2025



Presentation Overview

- Water supply sources and City infrastructure
- Water supply challenges
- Feasibility Study overview
- Public engagement





Fort Bragg Water Now

- Three natural surface water sources
 - Waterfall Gulch (tributary to Hare Creek)
 - Newman Gulch (tributary to Noyo River)
 - Noyo River
- Seasonal variability of the City's water supply
- 22.6 million gallons of storage capacity

Existing City Facilities

- Two key facilities serve the community
 - Water Treatment Plant (1958)
 - Wastewater Treatment Plant (1971)
- Water Treatment Plant can treat 2.2 million gallons of water per day
- Emergency backup: 45-acre foot reservoir on Summers Lane
- Wastewater Treatment Plant can treat up to 0.8 million gallons per day, dry weather flow



Fort Bragg Water Challenges

- Current water supply is vulnerable to climate change and drought
- Recent droughts have required emergency conservation measures
- City actively pursuing solutions
 - On-going conservation measures and programs
 - Evaluation of new water supply options



Building a Climate-Ready Water Future



- California's changing climate brings challenges:
 - Extended droughts
 - Extreme rainfall events
- Current water system vulnerable to weather extremes
- Multiple water sources = stronger water security
- Goal: Stable, reliable water supply for the City

Feasibility Study

- December 2024
- Hoch Consulting was hired to conduct a Recycled Water Feasibility Study
- Assess the feasibility of using recycled water for various reuse applications
- Identifying and prioritizing alternatives

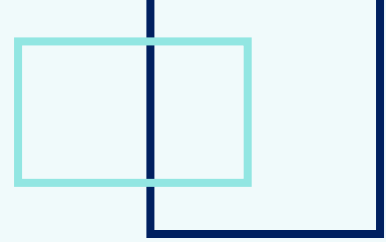


Understanding the Feasibility Study Process

- Comprehensive evaluation of water supply options
- Key study components:
 - Technical analysis
 - Environmental review
 - Cost-benefit assessment
- Community input shapes the path forward
- Funding to complete the Study



Exploring Water Reuse: Nature's Process Enhanced



Non-potable Recycled Water



Indirect Potable Reuse

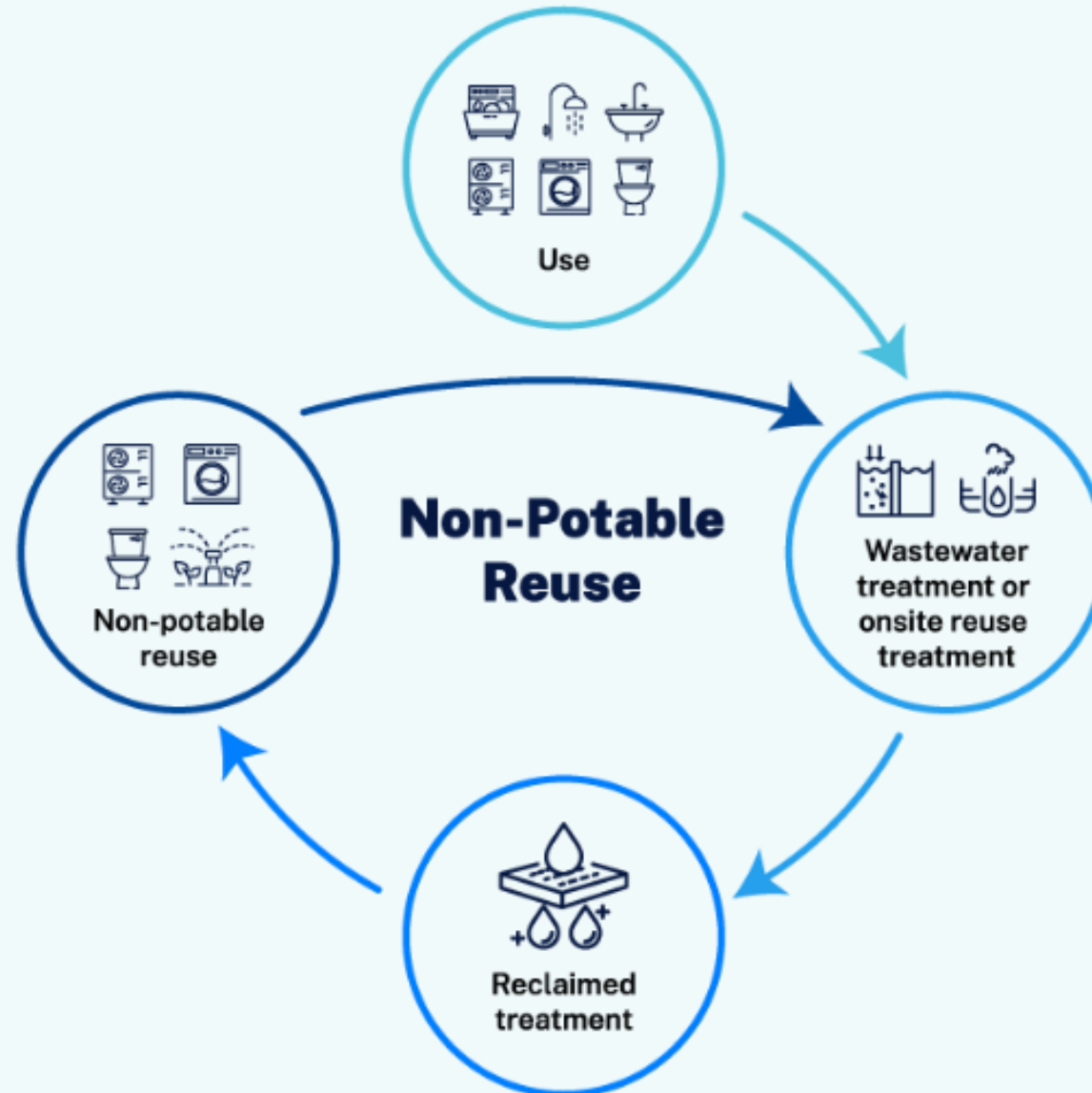


Direct Potable Reuse

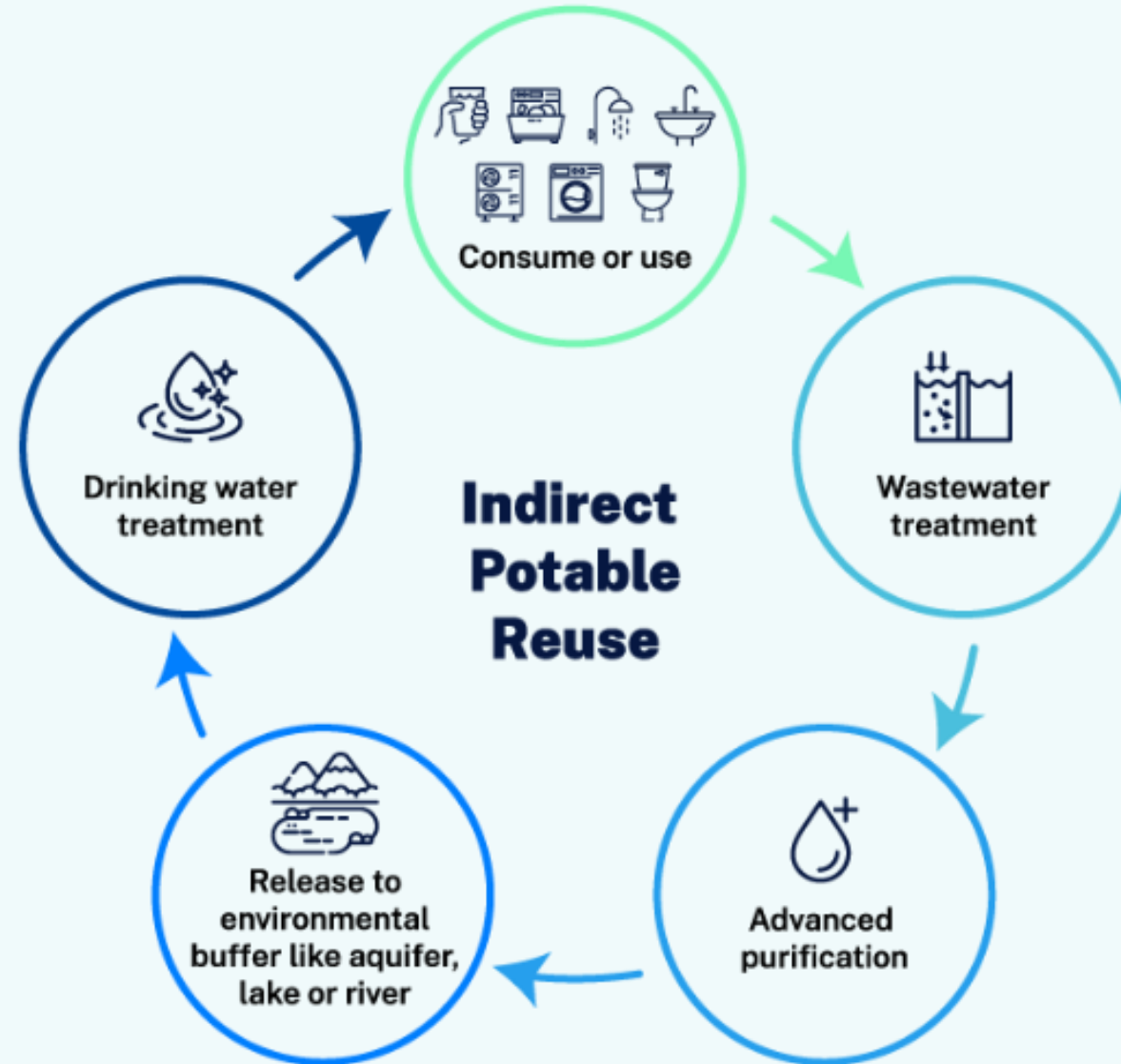


- Water follows a natural cycle – nothing created, nothing destroyed
- Three options under this feasibility study:
 - Non-potable recycled water: Parks, landscaping, industrial use
 - Indirect potable reuse: Environmental buffer + drinking water
 - Direct potable reuse: Advanced treatment for drinking water

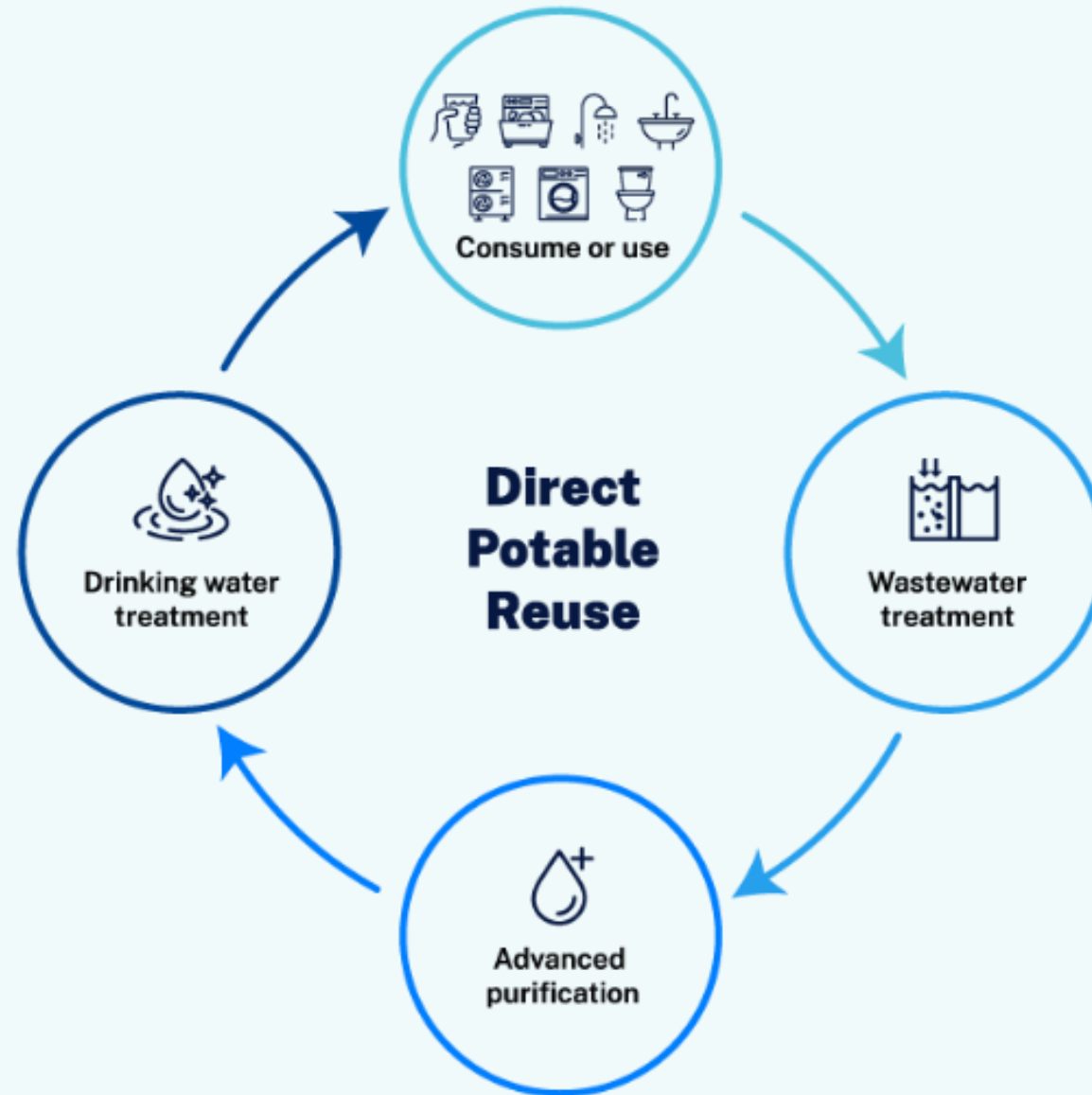
Non-potable Recycled Water



Indirect Potable Reuse (IPR)



Direct Potable Reuse (DPR)



Feasibility Study Timeline: The Path Forward

- Current stage: Data gathering and system evaluation
- Next steps
 - Technical evaluation of alternatives
 - Cost estimate development
 - Environmental and regulatory considerations
- Continued community updates and engagement
- Expected completion Nov 2025



Community Input

- Your input shapes Fort Bragg's water future
- Working together to build climate resilience
- Community feedback ensures solutions that:
 - Meet local needs
 - Build trust
 - Create lasting benefits



Stay Informed and Get Involved

- Visit the project website for latest updates
- Take the community survey now!
 - Scan QR code
 - Or visit this site:
<https://www.surveymonkey.com/r/7FQDC2F>
- Attend community presentations
- Follow us on social media
- Multiple ways to provide input



Questions & Discussion

