

Arapahoe County Water Supply Study

Board of County Commissioners | November 2024



Study Overview

- Plan for current and future water needs.
- Assess water supplies and demands up to the year 2050.
- Identify potential shortages.
- Identify how water can be used more efficiently in the years ahead.
- Engage residents to better understand needs and concerns.
- Complete a study seeking to balance future demands with supplies.





Project Goals

Goal 1: Closing potential gaps between future supply and demand.

Goal 2: Improving Water Use Efficiency to address anticipated supply gaps.

Goal 3: Extending the life of Denver Basin aquifers to sustain a long-term supply.



Tasks & Deliverables

- Land Use and Socioeconomic Scenario Development
- Groundwater Analysis
- Review of Water Conscious Landscaping Standards
- Assessment of Water Conservation Plans on Future Water Demand
- Demand and Supply Analysis
- Water Reuse Analysis
- Recommendations for Policy / Regulatory Modifications
- Water Supply Study (Final Report)

Study Review

- Public review: Sept 27 – Oct 18, 2024
- Advisory Committee, water providers, and project notification list received notice
- Residents and stakeholders also notified by:
 - *e-news post*
 - *project web page*
 - *Face Book*
 - *Twitter (X)*
 - *project notifications list (sign ups)*
 - *Next Door*
- 25 comments received

ARAPAHOE COUNTY

Water Supply Study

9/10/2024 Draft





Focus of Comments

- **Minor / Editorial** – typographical, recommended rephrasing for clarity
- **Hydrogeology** – Applying Region 2 (central county) groundwater modeling in Region 1 (western county)
 - Regions are expected to be similar*
 - More groundwater development is anticipated in Region 2*
- **Environmental Stewardship** – Use of water for fracking
 - Largely sourced from outside of Arapahoe County*
 - Relatively small usage – no revision*
- **Reuse / Graywater Quality** – Types for use / potential for illness & liability
 - Reuse must meet all health standards.*
 - If graywater systems are allowed for new construction, will be subject to agreement by local health authorities and water/wastewater service providers.*
- **Supply and Demand Projections** – Data provided by ECCV and ACWWA

Questions/Comments

STAFF CONTACT INFORMATION

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For more information, visit the project website:
Arapahoegov.com/waterstudy

