

## **Changes to the Zoning Resolution and Land Development Regulation related to Water Supply and Wastewater**

The Water Supply and Wastewater submittal requirements, including at which process, are being proposed to provide clearer requirements for the development community and citizens as well as providing an effective method for evaluating the water availability in a sub basin based on existing and proposed water requirements.

ZR - Section 1 - Administrative Provisions

ZR - Section 34 - Mountain Ground Water Overlay District

LDR - Section 4 - Submittal Requirements

LDR - Section 21 - Water Supply

LDR - Section 22 - Wastewater

The four major components of the regulation revisions include:

### 1. Legal proof of water

- The legal proof of water would not be required for rezoning or special use applications. Legal proof of water would be required for plat and site development plan applications.

### 2. Physical availability of water (two methods)

- The primary method will be the Water Availability Analysis (WAA) which will be completed by staff. The WAA is based on a GIS model evaluating a simplified water budget on a sub-basin level. The WAA will have consistent hydrogeologic parameters involved in each analysis in order to provide more uniform water resource data across the County. County staff met with staff from the USGS and Division of Water Resources in the development of the WAA. The WAA will take into account the basin area, annual precipitation, estimated recharge from precipitation, water withdrawals based on the number & type of permitted wells in the basin, estimated recharge from waste water return flows (ISDS, galleries, etc), and water requirements associated with the proposed uses. The WAA will provide data based on three separate scenarios including the existing conditions, existing conditions plus the platted lots, and existing conditions plus future conditions based on current zoning.
- The other method will be an Aquifer Test (completed in accordance with the existing requirements) which would be required at the time of rezoning or plat/SDP application if the water requirement for the project exceeds 0.28 or 0.10 acre feet per acre per year, respectively.

### 3. Water quality

- The Standard Chemical Analysis list has been updated and includes a slight reduction in testing requirements. The water quality analysis would be required with plat and SDP applications. A note will also be added to the record document if there are any exceedances of the Colorado Primary Drinking Water Regulations.

### 4. Wastewater

- The wastewater section was updated to provide additional clarification regarding the different types of wastewater systems and to update the terminology to industry standards.