

WATER RESOURCES REPORT REQUIREMENTS

This checklist provides a general overview of required submittal items. Additional submittal standards, procedures, and technical requirements are contained within the County's Land Development Code (LDC) and must also be met. The County reserves the right to request supplemental information, studies, or documents as needed to ensure compliance with applicable regulations and to adequately evaluate the proposed development.

SUBMITTAL CHECKLIST

REPORT CONTENT

SUMMARY OF PROPOSED SUBDIVISION

- A location map including roads, Township and Range, a copy of all maps required with sketch and preliminary plan and final plat submittals, and legal description; and
- A water resources report is not required if the BoCC made a finding that the proposed water supply plan of the preliminary plan was sufficient in terms of quantity, quality and dependability. However, an amended water resources report is required if there is a substantial change in either the water supply or the estimated water demand.

INFORMATION REGARDING SUFFICIENT QUANTITY OF WATER

- Calculation of Water Demand:** The water resource report shall include water demand calculations in separate calculations for the type, number and annual water requirements of existing, proposed and potential maximum uses of the subject property and a general timetable when the demands are expected. Acceptable methods of determining water demand.
- Calculation of Quantity of Water Available:** The water resource report shall identify and describe

each source of water including: (1) a map showing the location of any off-site water to be used and the location of major water transmission lines, reservoirs, etc.; (2) calculations of the quantity of water available from each source (on-site and off-site sources shall be determined separately); and (3) a description of groundwater sources.

- Groundwater Source Information:** The water resource report shall list each aquifer to be used. Each aquifer shall be identified as tributary, non-tributary, not non-tributary or from a designated basin, and as either renewable or non-renewable aquifers. The report shall discuss the need for, and the status of any augmentation plans required to use the proposed supply. The report shall also describe the annual and the 300-year quantity of water available from each proposed aquifer.
- Production Wells Information:** The water resource report shall discuss location, construction and production details of existing and proposed production wells. The following shall be included: (1) estimated number, size and short- and long-term yields of wells necessary to serve the proposed subdivision; (2) estimated life expectancy of wells; (3) estimated short and long-term well development schedule indicating probable timing of bringing additional wells on line; (4) A map showing locations of wells to be used during the first 5 years of the subdivision and probable locations of wells in the following years; (5) Well drilling logs and well completion reports; and (6) Pumping test data and analysis, including data and analysis of constant rate and step drawdown tests.
- Surface Water Sources:** The report shall list each surface water supply to be used. The report shall discuss the need for, and the status of any augmentation plans required to use the proposed supply. In addition, the report shall describe the annual and the 300-year quantity of water available from each proposed surface water supply and calculate the number of years of water supply. For phased projects, the calculation shall delineate the years of water available for each phase.

INFORMATION REGARDING SUFFICIENT DEPENDABILITY OF WATER SUPPLY

- Proof of ownership or right of acquisition of use of existing or proposed water rights sufficient in quality, quantity and dependability to serve the proposed use including well permits, court decrees, well applications, export permits, etc.
- Financial plan and capital improvements plan of water provider.
- Description of the water supply, location shown on maps, and, when appropriate, engineering designs of

existing and proposed water supply facilities, including wells, storage facilities, major transmission lines, etc.

- Calculations and documentation demonstrating that the aquifers are capable of supplying the required quantity of water and analysis showing the wells are capable of producing the required water supplies, if groundwater is to be used. This requirement does not apply to subdivisions to be supplied by individual wells.
- Evidence that short-term water supply needs of the subdivision can be met to satisfy fire demand and reduction of supplies as a result of flooding, and damaged or otherwise incapacitated systems. Short-term dependability can be satisfied by such features as reservoirs, cisterns, standby wells and standby connections with other water supply or distribution systems.

INFORMATION REGARDING SUFFICIENT DEPENDABILITY OF WATER SUPPLY

- The following shall be supplied: (1) chemical analyses of proposed water from each proposed source; (2) evidence of compliance with County, state and federal water quality standards; and (3) discussion of potential for water quality degradation from on-site and off-site sources. The EPCDHE can provide further information on the required chemical analysis and testing parameters necessary to demonstrate compliance with the Colorado Primary Drinking Water Regulations.
- Requirements of the State Engineer:** State statute requires the State Engineer to review all proposed water supplies. The State Engineer requires a narrative discussion and a Water Supply Information Summary Form. The following is the minimal information requirements of the State Engineer for all subdivisions.
- Plat name and legal description of the property and a description of previous actions of the State Engineer's Office regarding the property (e.g. previous exemptions, well applications);
- Well number or numbers of existing and sited wells when available including names of previous owners, dates of well construction, depth, etc., if numbers are not available;
- Use of water supply on the property as it now exists including number and locations of dwellings supplied, area of irrigated lawn and garden, water use for livestock, etc;
- Proposed water supply including a description of wells or water provider to be used for each lot

and what aquifer the applicant intends to use; and

- Water requirements for each proposed lot including quantity to be used for dwellings, irrigation and livestock.
- It is not necessary to include this information as a separate item provided it is included in the water resources report.

PUBLIC AND PRIVATE COMMERCIAL WATER PROVIDERS

- It is the responsibility of the applicant to provide information regarding the availability of water supplies from any source, including public and private commercial water providers. Should the subdivision fall within a water provider's service district, a general water resources report supplied by the provider may be used to evaluate available water resources provided the content meets or exceeds the requirement of the Water Resource Report.
- In those cases where the water provider submits a general Water Resources Report, the water resource report shall be updated annually, by February of each year. Update information shall include:
 1. Volume of water sold in the previous year.
 2. New water acquisitions, commitments, augmentation plans, etc.
 3. Water trades or other losses of water supplies.
 4. Anticipated water acquisitions for the upcoming year.
 5. Legal documentation accompanying new water acquisitions and augmentation plans.
 6. Major capital improvements accomplished during the past year and anticipated major capital improvements for the upcoming year.
 7. Other information which would be useful in evaluating the availability of water supplies.

COUNTY ATTORNEY REVIEW

- Documents to be included in the report for review by the County Attorney's Office:
 1. Water Supply Information Summary Form.
 2. Letter of Commitment from Water District.

3. Copies of all well permits.
4. Copies of all water court decrees.
5. Commission determinations of water rights.
6. State Engineer's Office of opinion (if previously provided).
7. Deeds and/or other documents that establish applicant's ownership of water rights for the proposed.