

Arapahoe County Water and Wastewater Authority (ACWWA) Reuse

WWE has had extensive involvement with the engineering aspects of the Arapahoe County Water and Wastewater Authority's (ACWWA's) burgeoning wastewater reuse program. This work is a continuation of master planning efforts that WWE performed for ACWWA for nearly two decades, including the Nonpotable Master Plan (2000), the ACWWA Nonpotable Water System 2005 Master Plan Update and the 2011 ACWWA Water and Wastewater Master and Management Plan. The updates refined the framework for providing nonpotable water for irrigation to significant portions of ACWWA's service area. Computer hydraulics modeling was performed for this dual piping system that keeps nonpotable water separate from the potable water piping system.

By using reclaimed wastewater for irrigation, ACWWA is able to conserve raw water supplies and minimize the expense of treating water to drinking water standards for irrigation purposes.



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