



Photos show installation and welding of the new pipeline near Rueter-Hess Reservoir. The pipeline extends from Chambers Road and E-470 to the Parker Water Treatment Plant south of Rueter-Hess Reservoir.

Project Description

The Cottonwood Water and Sanitation District (District) contains approximately 1,300 acres located along the northern border of Douglas County. Approximately two-thirds of the District is within the Town of Parker and the remainder is in unincorporated Douglas County. It supplies water to a total of 2,300 single family equivalent taps. In 2013, the District supplied a total of 789 acre feet of water to its customers equating to an average 705,000 gallons per day. The District's water supply was solely provided through tributary water rights from Cherry Creek and non-tributary water from the Denver Basin Arapahoe aquifer. Both of these water sources are reusable by right. The District reuses much of its water supply including Cherry Creek alluvial supply water rights the District has access to 2,456 acre feet annually.

The WISE Project is the result of regional cooperative planning between Denver Water, Aurora Water and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project reduces the dependence on non-renewable groundwater resources efforts.

The District subscribed to 400 acre feet of water on an average annual basis through the WISE Project. The District's local project infrastructure components were extended from an existing tee located on the ECCV Western Pipeline. The 36-inch pipe was installed along a 500-foot trench and was connected to an existing District pipeline. The District participated in a Rueter Hess Reservoir fill pipeline and pump station constructed by Parker Water and Sanitation District beginning at Chambers Road and E-470 and ending at the Parker Water Treatment Plant. South from the Rueter Hess Reservoir and treatment plant, a 16.5 million gallons per day pump station was constructed followed by 9,000 feet of a new 24-inch pipeline that allows WISE water to be conveyed to Rueter Hess Reservoir for storage. The majority of construction was complete in 2018.

P R O J E C T D A T A		
<i>Sponsor:</i> Cottonwood Water and Sanitation District	<i>County:</i> Douglas and Arapahoe	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Water Supply and Storage		<i>Board Approval Date:</i> May 2014
<i>Terms of Loan:</i> 3.0% for 30 years <i>(Original)</i> \$2,636,100 <i>(Final)</i> \$347,967		
<i>Design Engineer:</i> Black and Veatch		
<i>Contractor:</i> Layne Heavy Civil, Inc. and Western Summit Contractors		