



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 Inverness Water and Sanitation District (District) contains approximately 1,000 acres with approximately 2/3 of the development in unincorporated Arapahoe County and 1/3 in unincorporated Douglas County. Current annual water demands are between 1,000 and 1,100 acre feet per year for both potable and non-potable uses. Water delivery is approximately 50% from Denver Water and 50% from non-tributary well pumping. The District serves 2,400 single family equivalent taps. The District has an independent water system with potable water provided from 4 non-tributary wells and through a permanent water lease with Denver Water. The District has non tributary ground water rights totaling 2,402 acre feet annually in the Dawson Arapahoe and Laramie Fox Hills Aquifers.

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 500 acre feet of water on an average annual basis through the WISE Project. The District has a connection to the East Cherry Creek Valley ECCV Western Pipeline near the intersection of South Jamaica Street and E-470. Immediately downstream of the connection, is a below grade vault with flow control and metering equipment. Downstream of the vault is approximately 1,800 feet of 10-inch pipe connected to the District's existing distribution system. The District also 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> Inverness 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> 2.75% for 20 years (Original) \$1,181,700    (Final) \$431,914		
<i>Design Engineer:</i> Black and Veatch		
<i>Contractor:</i> Layne Heavy Civil, Inc. and Western Summit Contractors		