



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 Pinery Water and Wastewater District (District) encompasses approximately 8,500 acres and has a total of approximately 4,287 single family equivalent taps. The District's drinking water system consists of seven alluvial wells, eighteen Denver Basin water supply wells, seven pump stations, ten finished water storage tanks and over 107 miles of water distribution and transmission pipelines serving seven different pressure zones. The total water produced and treated for consumption is approximately 3,000 acre feet. The District owns 1,220 acre feet of tributary water rights and junior water rights on Cherry Creek and approximately 13,430 acre feet of non-tributary water rights in the Denver Basin 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 constructed approximately 6,200 feet of 12-inch pipeline to deliver water to an existing finished water distribution system pumping station. 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. This included 20,300 feet of new 42-inch pipeline. 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> Southeast Suburban Water and Sanitation District dba Pinery Water and Wastewater 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 (Original) \$6,199,380 (Final) \$3,270,784		
<i>Design Engineer:</i> Black and Veatch		
<i>Contractor:</i> Layne Heavy Civil, Inc. and Western Summit Contractors		