

PARKER WATER & SANITATION DISTRICT RUETER-HESS RESERVOIR



Project Description

Rueter-Hess Reservoir will serve the District's ongoing water needs and solve its long-term water shortage problem. It is located about three miles southwest of downtown Parker on Newlin Gulch, which is a tributary drainage of Cherry Creek. The ultimate dam rise is expected to be 185 feet and the reservoir will encompass 1170 acres, which is about one and half times the size of Cherry Creek Reservoir. Rueter-Hess employs a water management system that captures surface water, especially storm runoff, that normally would be lost downstream. And by storing water, it allows the District to meet demands during peak summer months and extend the life of underground water aquifers. The Parker area is served by four aquifers: the Dawson, Denver, Arapahoe and Laramie-Fox Hills. Rueter-Hess will reduce reliance on aquifers by storing surplus groundwater and re-injecting water into aquifers during non-peak demand. Construction activities for the expansion of Rueter-Hess Reservoir from 16,200 acre feet to 72,000 acre feet is expected to be completed around Spring, 2012.

Project Data

Sponsor: Parker Water & Sanitation District **County:** Douglas

Water Source: Cherry Creek

Terms of Loan: \$15,000,000, 20 years @ 4.5%

Substantial Completion: October 1, 2010

Design Engineer: GEI Consultants, Inc, Denver, CO & John C Halepaska and Associates, Littleton, CO

Legal Counsel: Hayes Phillips & Maloney PC, Denver, CO

Project Elements: Construction of a Class 1 Dam structure, 135 feet high, impounding of 16,200 ac-ft.