RESERVOIR Siltation Issues
Storage in Kenney Reservoir:
13,800 acre-feet (1985) → 9,400 acre-feet (1999)
Reservoir surface area:
650 acres (1985) → 335 acres (2014)

(GEI, 1999)
Average Sediment Accumulation:
315 acre-feet / year
At this siltation rate, Kenney Reservoir will only provide effective storage for water supply for 15 years.

Recreation & Storage Issues
The open water recreation opportunities and the Town of Rangely’s water supply storage have been significantly impacted as a result of the sedimentation.

Alternatives Considered
• Dredging Kenney Reservoir
  Cost > $700 million
• Enlarge Kenney Reservoir
  Endangered Fish Impacts
  Permitting Concerns
  Inevitable Future Reservoir Siltation
• New Reservoir Site
  Preferred Alternative

Wolf Creek Dam (Off-Channel)
• Most Favorable Capital & Operation & Maintenance (O&M) Costs of the Off-Channel Reservoirs
• No Identified Fatal Flaws (Geologic, Habitat, Wetlands, or Cultural Resources) identified in Feasibility Study
• Reservoir accessible from Moffat County and Rio Blanco County
• Can be expanded beyond 90,000 acre-feet to meet future water needs

After refinement of O&M costs, a mainstem reservoir on the White River near the Wolf Creek confluence could be a viable alternative.

The RBWCD is seeking partners to help make a new multi-purpose reservoir in Northwestern Colorado a reality.
RIO BLANCO WATER CONSERVANCY DISTRICT

HISTORY

RBWCD was originally formed in 1978 as part of Water Users Association No. 1 under the Colorado River Water Conservation District. In 1992 all assets of the Water Users Association No. 1 were transferred to form the RBWCD. The RBWCD constructed the Taylor Draw Dam in 1983 and 1984. In 1993 the RBWCD constructed the hydroelectric plant.

Taylor Draw Dam is located approximately six miles upstream of the Town of Rangely. The main project features of this run-of-the-river project include a powerhouse with a generating capacity of two-megawatts and Taylor Draw Dam, which forms Kenney Reservoir.

The RBWCD currently operates and maintains the hydropower plant, the dam, and recreational facilities at Kenney Reservoir.

A NEW RESERVOIR WILL BE MULTIPURPOSE:

New Reservoir to Meet Projected Needs Should have a Storage Capacity of 20,000 to 90,000 acre-feet

(Storage needs will be further refined following the recommendations from the U.S. Fish and Wildlife Service Programmatic Biological Opinion)

KEY PROJECT BENEFITS:

➡ Annual Tax Revenue Estimated At $1.1 To $1.4 Million for the State Of Colorado and Local Communities
➡ Drought protection and water supply for the Town of Rangely & Energy Industry
➡ Meet needed recreation demands in Northwestern Colorado.
➡ Provide water to meet target flows on the White River for Endangered Fish

... Approximately 500,000 acre-feet of water flows out of the White River annually to Utah

Total consumptive use on the White River is approximately 30,000 acre-feet (Y/W/G Roundtable, 2014)

WHITE RIVER STORAGE PROJECT

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WHITE RIVER
STORAGE PROJECT