

## CURRENT WWDC RESERVOIR PROJECTS

SITE NAME	BASIN	APPROX. CAPACITY (AC-FT)	DAM HT.	EMBANKMENT LENGTH	SURFACE AREA	SUPPLY SOURCE	APPROX. COST	APPROX. COST/AF	POTENTIAL ISSUES	BENEFITS
Alkali Creek Reservoir	Wind/Big Horn River	7,500	85 ft	2,400 ft	290 ac	Paint Rock, Medicine Lodge and Alkali Creeks	\$20M	\$2,667	Sage Grouse, Permits	Late season supplemental irrigation (Drought Protection), water conservation, recreation, habitat enhancement, riparian enhancements, fisheries enhancements, flood control, local economic benefits, beneficial use of a portion of Wyoming's Yellowstone River Compact allocation
Big Sandy Reservoir Enlargement	Green River	Up to an additional 11,000	4-5 ft Raise			Big Sandy River	\$25M	\$2,273	Wetlands, Sage Grouse, USBOR, Permits	Late season supplemental irrigation (Drought Protection), recreation, habitat enhancement, fisheries enhancements, flood control, local economic benefits, beneficial use of a portion of Wyoming's Colorado River Compact allocation
Bull Creek Reservoir	Powder River	11,300	125 ft	3,200 ft	300 ac	Clear Creek, Bull Creek	\$113M	\$10,000	Geology, Permits	Late season supplemental irrigation (Drought Protection), City of Buffalo municipal water, supplemental instream flow through Buffalo for fisheries enhancements and aesthetics, recreation, habitat enhancement, riparian enhancements, flood control, water conservation (consolidation of ditches), local economic benefits, beneficial use of a portion of Wyoming's Yellowstone River Compact allocation
Cottonwood Lake Enlargement	Snake River	350	3 ft Raise			Timber Creek	\$3.7M	\$10,571	Cost, Fish and Wildlife, USFS, Permits	Late season supplemental irrigation (Drought Protection), flood control, recreation
Meadowlark Lake Enlargement	Wind/Big Horn River	Additional 1,350 to 2,800	5-10 ft Raise			East Tensleep Creek	\$5M to \$15M	\$3,704-\$5,357	Cultural, Fisheries, Infrastructure, Wetlands, USFS, Permits, Geology	Late season supplemental irrigation (Drought Protection), water conservation, riparian enhancements, fisheries enhancements (in lake and downstream), flood control, local economic benefits, beneficial use of a portion of Wyoming's Yellowstone River Compact allocation
Middle Piney Reservoir	Green River	3,350 to 4,200	30 ft	100 ft	200 ac	Middle Piney Creek	\$5M to \$6M	\$1,429-\$1,493	USFS, Wetlands, Permits, Geology	Late season supplemental irrigation (Drought Protection), water conservation, riparian enhancements, fisheries enhancements, recreation, flood control, local economic benefits, protection of pre-Colorado River Compact storage
Sublette Creek Reservoir	Bear River	3,700 to 5,200	60 ft	2,800 ft	240 ac to 320 ac	Smiths Fork, Sublette Creek	\$24M to \$27M	Approx. \$6,500	Big Game Habitat, No Carry Over Storage, Limited Direct Public Benefit	Late season supplemental irrigation, local economic benefits, would need other enhancements beyond construction of reservoir for fisheries and big game to receive agency cooperation (downstream channel enhancements and conservation easements). Stores pre-Bear River Compact water right.
Upper Leavitt Reservoir Enlargement	Wind/Big Horn River	6,000	85 ft	1,600 ft	210 ac	Beaver Creek	\$40M	\$6,667	Wetlands, Cultural, Paleo, Geology	Late season supplemental irrigation (Drought Protection), water conservation, recreation, habitat enhancement, riparian enhancements, fisheries enhancements, local economic benefits, beneficial use of a portion of Wyoming's Yellowstone River Compact allocation
Viva Naughton Reservoir Enlargement	Green River	4,500	3 ft Raise			Hams Fork River	\$10M	\$2,222	Wetlands, Sage Grouse, Cultural, Permits	Late season supplemental irrigation (Drought Protection), riparian enhancements, fisheries enhancements, recreation, flood control, local economic benefits, beneficial use of a portion of Wyoming's Colorado River Compact allocation
Wales Reservoir Enlargement	Wind/Big Horn River	5,000	75 ft	5,800 ft	300 ac	Cottonwood Creek	\$25M	\$5,000	Water Quality (Aluminum, Iron, Selenium), Hamilton Dome, Wetlands, Landowners	Late season supplemental irrigation (Drought Protection), water conservation, riparian enhancements if Hamilton Dome shuts down, recreation, habitat enhancements, water quality, local economic benefits, beneficial use of a portion of Wyoming's Yellowstone River Compact allocation
West Fork Battle Creek Reservoir	Green River	8,000	220 ft	600 ft	100 ac	West Fork Battle Creek	\$80M	\$10,000	Copper, USFS, Land Ownership, Permits	Late season supplemental irrigation (Drought Protection), water conservation, fisheries enhancements, water quality improvement, recreation, habitat enhancement, local economic benefits, beneficial use of a portion of Wyoming's Colorado River Compact allocation