Estimated Costs of Rural Water Development Projects

Project Description	Beneficiaries of Water to Be Transferred	Volume of water (ac-ft)	Estimated Cost (millions)	Time Frame (years)
Transfer and treatment of water from the Bisbee Mine for direct use and/or recharge in the Sierra Vista Subwatershed.	Ft. Huachuca, Sierra Vista, Huachuca City, and the San Pedro River	1800 to 2600	$40 to $54	5 to 10
Transfer and treatment of water from the Colorado River for direct use and/or recharge in the Sierra Vista Subwatershed. Benson and St. David could take advantage of this option as well, but the estimated costs did not include the cost to deliver water to the Benson area	Sierra Vista, Ft. Huachuca, Huachuca City, and the San Pedro River	30,000	$205	20
Retirement of historically irrigated lands north of Benson and transfer of 75% of the historical water duty of the retired lands to the Sierra Vista Subwatershed. Benson could take advantage of this option as well, but the estimated costs did not include the cost to deliver water to Benson	Sierra Vista, Ft. Huachuca, Huachuca City,	3375	$32	5 to 10
Enhanced Capture and recharge of stormwater	Sierra Vista, Ft. Huachuca, Huachuca City, and the San Pedro River	1800+	$51 to $61	5
Development of a well field located away from the River and then transferring the groundwater to the San Pedro River to be recharged or directly discharged into the San Pedro River on an as needed basis to protect the riparian system, which includes endangered species.	San Pedro River		$10	5
Transfer and treatment of water from Blue Ridge Reservoir to Payson. Water from the reservoir will be pumped through an existing pipeline transcending the Mogollon Rim to a pipeline to be constructed parallel to East Houston Mesa Road by the Town of Payson. The pipeline is 14.5 miles in length and will terminate at a 3.6 million gallons per day micro filtration water treatment plant to be constructed on West Houston Mesa Road in Payson.	Payson	3000	$30	5 to 10

Estimated Costs of Rural Water Development Projects

Transfer and treatment of Colorado River water from Lake Powell for use by Hopi and Navajo Communities. Flagstaff receives water from development of C-aquifer, Williams receives water from development of R-aquifer and Grand Canyon and Tusayan receive water from Bright Angel creek infiltration gallery	Page, LeChee, Coppermine, Bodaway Gap, Tuba City, Moenkopi, Cameron, Flagstaff, Williams, Tusayan, Grand Canyon NP and unincorporated areas surrounding municipalities	21,000	$553*	20+
Transfer and treatment of Colorado River water from Lake Powell for use by Hopi and Navajo Communities, Flagstaff and surround unincorporated areas. R-M aquifer is developed to deliver water to Williams and Grand Canyon and Tusayan receive water from Bright Angel creek infiltration gallery	Page, LeChee, Coppermine, Bodaway Gap, Tuba City, Moenkopi, Cameron, Flagstaff, Williams, Tusayan, Grand Canyon NP and unincorporated areas surrounding municipalities	21,000	$791*	20+
Transfer and treatment of Colorado River Water from Lake Powell to Navajo and Hopi Communities, Flagstaff, Williams, Tusayan, Grand Canyon and surround unincorporated communities	Page, LeChee, Coppermine, Bodaway Gap, Tuba City, Moenkopi, Cameron, Flagstaff, Williams, Tusayan, Grand Canyon NP and unincorporated areas surrounding municipalities	21,000	$846*	20+
Transfer and treatment of C-Aquifer water from Red Gap Ranch to Flagstaff	Flagstaff	10,000	$150 - $200	15
Transfer of water from the Big Chino sub-basin to Prescott and Prescott Valley	Prescott and Prescott Valley	8717	$170**	10

* Cost estimates for the projects being evaluated on the Coconino Plateau include appraisal level construction costs and present worth O&M
** Cost estimate for Big Chino and Blue Ridge water transfer projects includes capital, construction and engineering costs
All other cost estimates are appraisal level capital cost estimates only