

**Bureau of Reclamation  
FY 2017 & FY 2018 Funding for WIIN Storage Projects**

State	Category	Project (Study) Title	Project Description	FY 17/18 WIIN Funding Recommended
CA	Pre-Construction & Construction	Shasta Dam and Reservoir Enlargement Project	This project will enlarge Shasta Dam and Reservoir, creating an additional 634k AF of storage to benefit anadromous fish cold water supply (191k AF) and water supply reliability, improve Upper Sacramento River habitat, increase power generation, and increase/improve recreation opportunities. Funds will be used for preconstruction activities (\$32M) related to Shasta Dam raise, recreation facilities planning/coordination, reservoir infrastructure modifications, and to begin construction (\$25M) once WIIN requirements are met.	\$ 57,000,000
WA	Construction	Cle Elum Pool Raise	This project modifies the radial gates at Cle Elum Dam to provide an additional 14,600 AF of storage capacity in Cle Elum Reservoir and provide for shoreline protection of Cle Elum Lake. The requested amount will fund contracts for construction of shoreline protection projects.	\$ 4,000,000
ID	Study	Boise River Basin Feasibility Study	This study investigates opportunities to increase surface water storage in the Boise River watershed, located in southwestern Idaho. Included in the study is a raise of Reclamation's Arrowrock Dam and Anderson Ranch Dam, as well as the U.S. Army Corps of Engineers Lucky Peak Dam, comparing different combinations at the three facilities and different raise options of the dams. The requested amount will fund the completion of the study.	\$ 1,750,000
CA	Feas. Study incl. Env. Compliance	Del Puerto Water District	This study investigates the feasibility of a new storage reservoir that could provide additional off-stream storage of 60,000 to 140,000 AF, south of the Sacramento-San Joaquin Delta. This is proposed as a state-led project, and the request funds the traditional 50 percent Federal share of the feasibility study. Federal participation in total project costs will be limited to 25 percent. This effort will build from Del Puerto Water District's existing documents and efforts.	\$ 1,500,000
CA	Feas. Study incl. Env. Compliance	Los Vaqueros Reservoir Phase 2 Expansion Project	Phase 2 of Los Vaqueros Reservoir Expansion would increase storage up to 115k AF in Contra Costa County, and would add a pipeline to deliver Incremental Level 4 water to federally recognized wildlife refuge areas south of the Sacramento-San Joaquin Delta. Funds will be used to address any comments on the final feasibility report (November 2018), and various related activities, including execution of a cost-sharing agreement with Contra Costa Water District.	\$ 2,155,000
CA	Feas. Study incl. Env. Compliance	North-of-the-Delta Off stream Storage (Sites Reservoir Project)	This project includes an additional 1.8 million AF of off-stream surface storage to restore flexibility and adaptability to Central Valley Project (CVP) and State Water Project (SWP) operations. Funds will be used to address any comments on the final Feasibility Report, advance the EIS/EIR, and various related activities, including execution of a cost-sharing agreement with the Sites Project Authority.	\$ 6,000,000
CA	Feas. Study incl. Env. Compliance	Friant-Kern Canal Capacity Correction Resulting Subsidence	This project will address the issue of Friant-Kern Canal (FKC) subsidence; it would restore 3,000 AF/day in conveyance, which would allow significant increase in storage capacity in Millerton Reservoir during key times. Restoring FKC capacity would increase annual average surface water deliveries by 8,000 AF, and allow Reclamation to meet its mitigation commitments under the San Joaquin settlement. WIIN funds will not be used to acquire property, although in-kind contributions may include property acquisition.	\$ 2,350,000
<b>Total construction/pre-construction funding:</b>				<b>\$ 61,000,000</b>
<b>Total study funding:</b>				<b>\$ 13,755,000</b>
<b>Total of WIIN funding requests</b>				<b>\$ 74,755,000</b>

**Bureau of Reclamation  
Title XVI WIIN 6 Projects**

State	Name of Applicant	Project Title	Detailed Project Description	FY 18 WIIN Funding Recommended
CA	City of San Buenaventura	Expanding Recycled Water Delivery Project (VenturaWaterPure)	The recycled water delivery project will produce up to 5,400 acre-feet per year for recharge and potable water supplies. The project will treat wastewater currently being discharged to the Santa Clara River Estuary to recharge the groundwater or directly augment potable supplies. The project will also include the development of new treatment wetlands.	\$2,467,136
CA	Monterey One Water	Pure Water Monterey - Groundwater Replenishment Project	The project includes collection and conveyance facilities and construction of an advanced water treatment plant, which when completed will provide 8,200 acre-feet of recycled water. The project will treat secondary effluent from a local treatment plant, municipal urban runoff, stormwater, and agricultural wash water.	\$4,184,193
CA	Water Replenishment District of Southern California	Groundwater Reliability Improvement Program (GRIP) Recycled Water Project	The project includes a flow equalization and pumping facility, an advanced water treatment facility, supplemental recharge wells, and groundwater monitoring wells. By producing high-quality recycled water for replenishment of the Central Coast Groundwater Basin, GRIP will eliminate the need to import 21,000 acre-feet of water annually.	\$4,184,193
CA	Del Puerto Water District	The North Valley Regional Recycled Water Program	The project includes the construction of a distribution pipeline to convey recycled water for approximately 45,000 acres of agricultural lands and wildlife refuges and wetland areas. By 2045, the project will produce up to 59,000 AFY of recycled water. This project will provide a long-term, reliable water supply for the District and its customers.	\$4,184,192
CA	Sacramento Regional County Sanitation District	South Sacramento County Agriculture and Habitat Lands Recycled Water Program	This project will construct a pump station, up to 14 miles of transmission pipelines, 25 miles of distribution mains, and lateral connections to replace surface and groundwater with recycled water to irrigate agriculture, habitat, and conservation lands. The project will deliver up to 50,000 acre-feet per year of treated recycled water to irrigate approximately 16,000 acres of farmland, conserve 400 acres of managed wetlands in the Stone Lakes National Wildlife Refuge, and provide aquifer recharge in a 560-acre area.	\$4,184,192
CA	City of Pismo Beach	Central Coast Blue	This regional recycled water project will recover water currently discharged into the ocean and protect against seawater intrusion by injecting up to 3,530 AFY of recycled water into the Santa Maria Groundwater Basin. The project will construct an advanced treatment facility that uses microfiltration/ultrafiltration, reverse osmosis, and ultraviolet advanced oxidation process to treat the water to the required level of quality for groundwater injection.	\$796,094
<b>Total</b>				<b>\$20,000,000</b>

**Bureau of Reclamation  
WIIN Desalination Construction 4 Projects**

State	Name of Applicant	Project Title	Detailed Project Description	FY 17/18 WIIN Funding Recommended
CA	South Coast Water District	Doheny Ocean Desalination Project	This ocean water desalination facility includes a seawater intake, conveyance and distribution system, desalination plant, brine disposal through an existing ocean outfall and solids handling facilities. The project will improve water supply reliability by producing up to 5,321 acre-feet per year of new, local, potable supply for the District.	\$8,326,500
TX	El Paso Water Utilities Public Service Board	Kay Bailey Hutchison Desalination Plant	The project will expand the Kay Bailey Hutchison Desalination Facility Plant, which reclaims brackish groundwater from vast salty sections of the Hueco Bolson aquifer, and is expected to increase potable water supply by 16,242 acre-feet per year. Project goals include increasing drought resiliency, providing a buffer to protect fresh water portions of the aquifer, and demonstrating leadership in inland desalination.	\$2,050,000
CA	City of Camarillo	North Pleasant Valley Desalter Facility	The desalter facility will produce 3,877 acre-feet per year of potable, drought-resistant water. The facility is a key component of the regional solution to address impaired groundwater in the Calleguas Creek Watershed. This project will help address declining production due to poor quality groundwater, the potential reoccurrence of drought conditions, and water restrictions imposed on imported water supplies.	\$5,000,000
CA	City of Oceanside	Mission Basin Groundwater Purification Facility Well Expansion and Brine Minimization	The proposed expansion of the Groundwater Purification Facility and Brine Minimization Project (MBGPF) will maximize the capacity of the MBGPF and increase the supply of local, potable water by 881 acre-feet per year. The project will consist of three additional groundwater extraction wells and brine minimization technology, which will decrease the reliance on imported water and reduce the volume of brine discharged to the Pacific Ocean.	\$2,623,500
			<b>Total</b>	<b>\$18,000,000</b>