BUREAU OF RECLAMATION

Fiscal Year 2025 Aging Infrastructure Projects

Arizona

Glen Canyon Station Service Equipment Replacement
Reclamation Funding: $20,200,000
Funding is provided to complete a planning study, and then for final design and implementation once planning activities are completed to replace the station service transformers and switchgears.

Glen Canyon Powerplant Cranes Replacement
Reclamation Funding: $8,100,000
Funding is provided to refurbish the Glen Canyon Powerplant and Dam Cranes to include the replacement of motors, drives, gearboxes, seals, brakes bearings, electrical distribution, ropes, controls and displays as needed to meet current OSHA and ASME code requirements. The funding will complete design activities, and subsequently for implementation.

High-Density Polyethylene (HDPE) Pipe Replacement
Reclamation Funding: $6,500,000
Funding is provided to replace all or part of aging and failed Yuma County Water Users Drainage System HDPE Advanced Drainage System (ADS) pipe that was installed during the expansion of Highway 95 in the Yuma area (mid-1990s). The pipe has failed, resulting in leaks which often reach the surface and require unplanned outages of the system to make expedient repairs. The funding will enable implementation.

Yuma Area Office Utilities Replacement
Reclamation Funding: $3,592,000
Funding is provided to design and replace required portions of the mechanical, electrical, and plumbing infrastructure at the Yuma Area Office. The funding will enable design activities and implementation.

Glen Canyon Fire Alarm Systems Modernization
Reclamation Funding: $2,600,000
Funding is provided to replace the fire alarm system at the Glen Canyon Powerplant and Visitor Center with a system that meets all fire and life safety codes. The funding will enable implementation.

BUREAU OF RECLAMATION

California

Delta Mendota Canal Subsidence Correction
Reclamation Funding: $204,000,000
Funding is provided to correct groundwater subsidence impacts to the Delta Mendota Canal. The funding will enable design activities and implementation.

Coleman National Fish Hatchery Modernization
Reclamation Funding: $20,000,000
Funding is provided to scope, plan, and design the major repair and rehabilitation of the Coleman National Fish Hatchery in coordination with non-Federal partners. The funding will complete a planning study and design activities.

Main Outlet Drain Extension (MODE) Bridge Replacement
Reclamation Funding: $12,128,794
Funding is provided to replace three MODE bridges with new culverts or bridges and design additional replacements of existing bridges as necessary. Funding will complete planning, design, and subsequently implementation.

Folsom Fixed Wheel Gates
Reclamation Funding: $12,002,800
Funding is provided to refurbish Unit 3 Fixed Wheel Gate Hydraulic Cylinder and replace controls match the existing design for Units 1 and 2. Funding will raise and modify Unit 1, Unit 2 and Unit 3 controls to accommodate 3.5-foot dam raise. The re-design and replacement of existing chain link fencing through parapet wall with a gate or structure capable of retaining water to accommodate 3.5-foot dam raise and allow for access to fixed wheel gate controls will be completed with the funding. Funding will complete a planning study, and subsequently for design and implementation.

Shasta Powerplant Service Transformer
Reclamation Funding: $11,198,509
This project will provide a second source of station service power from the Western Area Power Administration (WAPA) switchyard to Shasta Powerplant to improve reliability. WAPA will install a new transformer in the switchyard. The new transformer will provide power to operate the switchyard. It will also provide power for a second station service feed to Shasta Powerplant. This funding will complete a planning study, and subsequently for design and implementation.

Folsom Area Cranes (FOAC) Replacement
Reclamation Funding: $9,559,200
The FOAC project will replace the existing Folsom warehouse 30-Ton Bridge Crane and Folsom pumping plant 7.5-Ton Bridge Crane. It will comprise removal, replacement, and modernization of the two cranes with newer ones that address the aging infrastructure. Funding is for planning, design, and subsequently implementation.

Folsom Powerplant Cranes (FOPC) Replacement
Reclamation Funding: $9,892,000
Funding is provided to replace the existing Folsom Powerplant 275-Ton Bridge Crane, Folsom Dam 140-Ton Gantry Crane, and Folsom Powerplant 10-Ton Draft Tube Hoist. The FOPC project will comprise the removal, replacement and modernization of the three cranes with newer cranes while addressing the aging infrastructure. This funding is provided for planning, design, and subsequently implementation.

Shasta Dam 850' and 950' Outlet Works Rehabilitation
Reclamation Funding: $9,550,000
Funding is provided to modernize and rehabilitate all outlet works valves on the 850' and 950' elevations in Shasta Dam to include telemetry, controls, protection, drives, mechanical subsystems. The funding is provided to complete a planning study and subsequently for design activities as applicable.

Bradbury Dam Outlet Valve Replacement
Reclamation Funding: $8,250,000
Funding is provided to replace the 30-inch valves to maintain operation and efficiency of water releases in the outlet works. This funding is for planning, design, and subsequently implementation.

Folsom Temperature Control Shutters Planning Study
Reclamation Funding: $7,800,000
Funding is provided to perform a planning study to modify the existing Folsom Dam Temperature Control Shutters located upstream of the inlets to the Folsom Dam penstocks. The project will benefit native salmon and steelhead habitat downstream of Folsom Dam by providing more effective and ways to manage water temperatures in the Lower American River for the aquatic habitat. This funding will complete a planning study and subsequently for design activities as applicable.

Friant Dam Crane Overhaul Coatings/Controls
Reclamation Funding: $7,400,000
Funding is provided to the cranes with lead primer, which needs to be contained and removed. Funding is provided to repair and replace electrical components as needed and modernization of crane controllers. Funding will extend to the planning, design, and subsequently implementation.

Shasta Powerplant Generator Step Up (GSU) Transformers Replacement
Reclamation Funding: $7,250,000
Funding is provided to replace all GSU transformers at Shasta Powerplant, to include Phase A, B and C on all five power generating units, plus one spare (16 total). This funding will complete a planning study and subsequently for design activities as applicable.

Stampede Powerplant Overhaul Planning Study
Reclamation Funding: $6,900,000
Funding is provided to complete a planning study evaluating repair and replacement of Stampede Powerplant. The powerplant includes two hydroelectric units that have a total installed capacity of 3.65 megawatts. The powerplant is nearing the end of its design life.

New Melones Powerplant 375-Ton Crane (NMPC) Replacement
Reclamation Funding: $5,098,000
Funding is provided to replace the existing New Melones Powerplant 375-ton Bridge Crane. The NMPC project will comprise the replacement and modernization of the 375-ton crane with new electrical panels and control systems, similar steel, cable hoist system to provide a simpler and easier system that achieve more effective maintenance and address the aging infrastructure. Funding is for planning, design, and subsequently implementation.

Tracy Fish Collection Facility (TFCF) Underground Utilities Project
Reclamation Funding: $5,000,000
Funding is provided for the maintenance of the TFCF underground utilities to include electrical, communications, raw water, sewage, valves, pipes, operational access roads and drainages within the facility and hyacinth spoil areas. Funding is to complete a planning study and subsequently for design activities as applicable.

Keswick Dam Spillway Regulating Gate Rehabilitation
Reclamation Funding: $4,400,000
Funding is provided to rehabilitate four 50-foot by 50-foot fixed wheel spillway regulating gates. Funding will complete a planning study and subsequently for design activities as applicable.

Lake Berryessa Wastewater Treatment and Collection System
Reclamation Funding: $4,044,500
Funding is provided to repair the main lift station, repair wastewater ponds and equipment, replace air relief/vacuum valves, replace lift station pumps, replace 1-1/2 inch black wastewater lines, and rehabilitate/replace septic tanks. Funding is for planning, design, and subsequently implementation.

Keswick Powerplant Generator Step Up (GSU) Transformers Replacement
Reclamation Funding: $3,200,000
The project will replace main GSU transformers for all three units. Funding is provided to complete a planning study and subsequently for design activities as applicable.

Friant Fixed-Wheel Gate Rehabilitation
Reclamation Funding: $2,812,500
This project requires rehabilitation to coat the fixed-wheel gates at Friant Dam. Funding is provided for planning, design, and subsequently implementation.

Shasta Pumping Plant Modernization
Reclamation Funding: $2,530,000
This project will replace existing motor controls and soft starters where required, install a backup generator, design HVAC system, add pump and motor, and replace existing 16" raw water main pipe with 20" pipe. Funding will complete planning and design activities.

Spring Creek Powerplant Turbine Runners Replacement
Reclamation Funding: $2,500,000
Funding is provided to replace turbine runners on Units 1 and 2 as well as modernize existing auxiliary systems. Funding is for implementation.

Spring Creek Conduit Intake Temperature Curtain Replacement
Reclamation Funding: $2,250,000
This project will remove and replace failing temperature curtain at Spring Creek Conduit Intake in Whiskey Town Lake. Funding is provided to complete a planning study and subsequently for design activities as applicable.

Nimbus Powerplant 50-Ton Crane (NBPC) Replacement
Reclamation Funding: $2,055,200
This project will replace the existing Nimbus Powerplant 50-Ton Gantry Crane. Replacement includes new electrical panels and control systems, new load cell, similar steel, cable hoist system to provide a simpler and easier system that achieve more effective maintenance and addresses the aging infrastructure. Funding is for planning, design, and subsequently implementation.

River Mile 33 Backwater Design and Reconstruction
Reclamation Funding: $2,000,000
The initial phase (Phase One) is for design and to permit a secondary inlet to the backwater along with a proposed dredging plan to restore the backwater function. Phase Two consists of constructing the secondary inlet to the backwater along with associated improvements. Phase Three will consist of dredging/excavation and contouring of the backwater. Funding is provided for final design and implementation.

Shasta Powerplant and Keswick Powerplant Elevator Modernization
Reclamation Funding: $1,400,000
The project is to modernize Shasta Powerplant and Keswick Powerplant elevators to include controls and safety features. Funding is provided for planning and design activities.

Whiskeytown Reservoir Oak Bottom Temperature Curtain Replacement
Reclamation Funding: $880,000
This project will remove and replace the failing temperature curtain at Oak Bottom in Whiskeytown Reservoir. Funding is provided for planning and design activities.

Friant Dam SCADA Modernization
Reclamation Funding: $800,000
This project will replace systems at Friant Dam that are obsolete. Additionally, replace existing communication lines with fiberoptic lines to improve communications between system and server room, replace water measuring with Accusonics at Madera Canal, Friant-Kern Canal, and San Joaquin River penstocks. Funding is provided for planning and design activities, and subsequently a portion of implementation.

BUREAU OF RECLAMATION

Colorado

Blue Mesa Powerplant Butterfly Valves Replacement
Reclamation Funding: $32,035,759
The project will replace the two existing 156" butterfly valves at the Blue Mesa Powerplant and refurbish the two existing Ring Follower Gates at the Blue Mesa Dam. Funding is provided to complete a planning study, and then for final design and implementation once planning activities are completed.

Mt. Elbert Unit 2 Seal Ring Replacement
Reclamation Funding: $20,000,000
This project includes design and fabrication of headcover supports and draft tube platforms, load testing of current below-the-hook lifting devices, disassembly of Unit 2, removal and replacement of the stationary and rotational seal rings, and reassembly of Unit 2. Funding is provided for planning, design, and subsequently implementation.

Boustead Tunnel Weep Holes Drilling
Reclamation Funding: $4,632,800
The project will install 299 additional weep holes and the cleaning of 293 existing weep holes throughout the 5.5-mile tunnel to relieve and prevent the buildup of hydrostatic pressure behind the tunnel concrete lining. Funding is provided for design activities and implementation.

Upper Molina Penstock Emergency Shut Off Valve
Reclamation Funding: $3,000,000
This project will install a remotely operated emergency isolation valve at the Upper Molina penstock initiation point to prevent catastrophic flooding should the penstock rupture. Funding is provided for implementation.

Navajo Dam Float Well Replacement
Reclamation Funding: $1,600,000
The project will replace the float well instrument system within Navajo Dam utilized for measuring and recording reservoir elevations. The current system will be replaced with a new float well system using a plastic material that will not be susceptible to corrosion. Funding is provided for design activities and implementation.

Blue Mesa Powerplant Access Road Pavement
Reclamation Funding: $1,300,000
This project will pave the public access road to Blue Mesa powerplant. This provides a primary benefit of proper access. Funding is provided for design activities and implementation.

Blue Mesa Station Service Transformer Electrical Bus Replacement
Reclamation Funding: $650,000
This project will replace the electrical bus from the station service transformer to the station service switchgear. Funding is provided for implementation.

Idaho

New York Canal Lining
Reclamation Funding: $12,500,000
This project will line six miles of the New York Canal through a highly urbanized/ commercial area of the Boise Bench with a geocomposite membrane and capped with steel reinforced concrete. Funding is provided for design activities and implementation once previously funded planning activities are completed.

Montana

St. Mary River Siphon and Halls Coulee Siphon Replacement
Reclamation Funding: $37,200,000
The project will remove and replace the St. Mary River and Halls Coulee Siphons. Funding is provided for design and implementation.

Pishkun Outlet Rehabilitation
Reclamation Funding: $19,054,209
The Pishkun Outlet Rehabilitation Project will replace the existing outlet structure along with evaluation of necessary hydropower-related components to the outlet. Funding is provided for planning, design, and subsequently implementation.

St. Mary Diversion Dam Project
Reclamation Funding: $10,000,000
This project will remove and replace the St. Mary Diversion Dam and Headworks with an ESA compliant facility. Funding is provided for implementation.

Helena Valley Irrigation District (HVID) Pumping Plant Rehabilitation
Reclamation Funding: $4,773,621
The HVID Pumping Plant Rehabilitation Project will sandblast and repaint both the inlet penstock and the discharge outlet pipes; repairing several of the outlet discharge pipe support piers; equipping the pumping plant with remote monitoring capabilities and enclose the pump station with a metal building. Funding is provided for planning, design, and subsequently a portion of implementation.

Fresno Spillway Rehabilitation
Reclamation Funding: $4,000,000
This project will remove and replace concrete activities combined with the ongoing safety of dams project to replace the joints on the spillway. Funding is provided for design and implementation.

HVID Main Canal and Lateral Maintenance
Reclamation Funding: $3,874,097
This project will repair erosion damage on approximately two miles of the main canal near the terminal wasteway as well as lining over three miles of laterals. Funding is provided for planning, design, and implementation.

Crow Creek Substation Rehabilitation
Reclamation Funding: $1,900,000
The project includes replacement of the step-down power transformer, ground grid and fencing repair. Funding is provided for planning, design, and implementation.

HVID Regulating Reservoir Maintenance
Reclamation Funding: $905,661
The HVID Regulating Reservoir Maintenance Project that will consist of rehabilitating the degraded drop inlet structure at the inlet to the regulating reservoir. The funding will replace the old gate house for the regulating reservoir outlet works and install a new flow measurement station upstream of the regulating reservoir. Funding is provided for planning, design, and implementation.

New Mexico

Sumner Spillway Radial Gates Project
Reclamation Funding: $39,535,341
Scope components include three radial gates, hoist deck, all hoist equipment and electrical gear. A temporary bridge and bypass road may need to be constructed for

local traffic. Funding is provided to complete a planning study, and subsequently for design and implementation as necessary.

Lower San Acacia Reach Improvements Project
Reclamation Funding: $143,000,000
The Lower San Acacia Reach infrastructure will be reconfigured and 15 miles of the Rio Grande will be realigned to improve conveyance, increase endangered species habitat, and provide a long-term sediment management strategy that aligns with geomorphic processes. Funding is provided to complete a planning study, and subsequently for design and implementation.

Elephant Butte Historic District Facility Rehabilitation
Reclamation Funding: $3,200,000
Reclamation is responsible for protecting the federal assets in the Elephant Butte Historic District. This historic building, which is one of the concession buildings at the site, is in need of stabilization, drainage improvements, and filling a void under the structure due to a broken irrigation line. The work is necessary to prevent the structure from eventually collapsing into Elephant Butte Reservoir. Phase Two design includes the removal and replacement of the solarium where most structural damage has occurred. Funding is for design and implementation.

Elephant Butte Powerplant Roof Repair
Reclamation Funding: $888,000
The project will protect the operations control center for power generation and normal irrigation releases from Elephant Butte Reservoir. Funding is provided for design and implementation.

Elephant Butte Historic District (Fish Hatchery)
Reclamation Funding: $625,000
The project will replace numerous roofs in poor condition or have recently failed at the Elephant Butte Historic District Fish Hatchery. This project will also address risks to fire suppression during hydropower production; potable water to the Elephant Butte Dam, Office, and Elephant Butte Historic District; help mitigate Section 106 historic building deterioration plus health and safety concerns; reduce long-term maintenance costs; and increase marketability to secure potential concession contract proposals, long-term managing partner agreements or transfer to another Federal Agency. Funding is provided for design activities and implementation.

Elephant Butte Powerplant HVAC System
Reclamation Funding: $619,000
The project will modify the plant HVAC design to improve working conditions inside of powerplant. Installing HVAC units will provide stable ambient conditions for powerplant personnel and equipment. Personnel and equipment are currently exposed to high summer temperatures and cold winter temperatures, reducing equipment lifespans and creating hazardous working conditions for personnel. Funding is provided for implementation.

North Dakota

Turtle Mountain Public Utility Commission (PUC) Waterline Replacement - Rolette and Shell Valley
Reclamation Funding: $11,482,871
This project will enhance the efficiency and reliability of the water supply infrastructure, addressing the critical need for upgraded raw water collection lines. Scope includes design and construction of roughly eight miles of 18" and 12" HDPE main, air release valves, pigging stations, flush hydrants, gate valves, system interconnections, seeding/mulching and erosion control. Funding is provided planning, design, and implementation.

Turtle Mountain PUC Hwy 5 Water Main Replacement
Reclamation Funding: $10,831,393
The project will replace the aging and failure prone 200 class PVC with new 250 class PVC. Design criteria will include six miles of 20" 250 class HDPE, system interconnections, roadway crossings, air release valves, seeding/mulching and erosion control. Funding is provided for planning, design, and implementation.

Turtle Mountain BIA PUC Water Main Replacement
Reclamation Funding: $5,029,945
The project will replace glued PVC pipe with gasketed PVC pipe. The existing water system consists of glued PVC pipe, which has recently been leaking and breaking. When repairing the leaks, it was discovered that much of the pipe has a bury depth of about 3 to 4 feet, causing the piping to freeze. In addition, customers connected to the 1.5-inch and 2-inch water main experience significant pressure loss during times of peak water demand. Funding is provided for planning, design, and subsequently implementation.

Fort Berthold Rural Water System (FBRWS) Master Meter Installation Project
Reclamation Funding: $1,800,000
The project will assist in the installation of master meters at key locations in the Four Bears, Little Shell, Mandaree, Parshall-Lucky Mound, Twin Buttes and White Shield water service areas to facilitate the development of a reservation-wide automated meter reading system. Master meters need to be strategically located within water service areas to identify areas of water leaks or suspected unauthorized connections to the FBRWS. Funding is provided for planning, design, and subsequently a portion of implementation.

Spirit Lake Rural Water Fort Totten Piping Project
Reclamation Funding: $755,789
The project includes 7,000 ft of PVC pipe, tie ins and appurtenances to eliminate the bottle neck restricting flow to areas of the town of Fort Totten. Funding is provided for planning, design, and subsequently implementation.

Mandaree Community Metering Project
Reclamation Funding: $700,000
The Mandaree Community Metering Project will install 138 water meters in the Mandaree community. The constructed water system includes metering all connections and is in the process of developing an automated meter reading system to better account for water use across the reservation to facilitate water conservation for identifying water leaks and unauthorized connections. Funding is provided for planning and design activities.

Turtle Mountain Public Utility Commission (TMPUC) Reservoir C West Water Main Replacement
Reclamation Funding: $530,496
The existing water system consists of glued PVC pipe, which has consistently leaked and broke at a higher number than expected. In addition, some customers are connected to a 2-inch water main that cannot meet the water demands during times of peak use. In total the area would replace approximately ten miles of water main. The project would replace all glued PVC piping with gasketed PVC water mains. Funding is provided for planning and design activities.

Standing Rock Area Meter Project
Reclamation Funding: $500,000
Funding is provided for the remainder of the project including the replacement of three Master Meter vaults and SCADA modernization to two Control Vaults on the Standing Rock Indian Reservation. Funding will be for design and implementation.

Turtle Mountain PUC Reservoir C East Water Main Replacement
Reclamation Funding: $407,950
The existing water system consists of glued PVC pipe, which has consistently leaked and broke at a higher number than expected for PVC pipe. The project will replace approximately twelve miles of water main. The project would replace all glued PVC piping with gasketed PVC water mains. Funding is provided for planning and design activities.

Spirit Lake Rural Water Media Replacement
Reclamation Funding: $275,268
The water media replacement includes removal and replacement of the water filter media in the Spirit Lake Water Treatment Plant's Tonka tank. Funding is provided for design and implementation.

Spirit Lake Rural Water Treatment Plant (WTP) Pneumatic Valve Replacement
Reclamation Funding: $169,229
The project will replace all of the pneumatic valves in the Water Treatment Plant. Funding is provided for planning, design, and subsequently implementation.

Oregon

Bend Field Office Utilities Replacement
Reclamation Funding: $2,117,680
This project includes the immediate repair of the septic system at the Scoggins Valley (County) Park. Funding is for design and implementation.

South Dakota

SCADA System Replacement
Reclamation Funding: $1,835,000
This project will replace the outdated and supported PLC control panels in all booster and control valve stations, as well as replace the central control unit with new servers that operate updated versions of Windows and SCADA software. The system telemetry

will also be replaced to optimize and secure the communication methodologies. Funding is provided for planning and design activities.

Potato Creek Tower Installation
Reclamation Funding: $1,100,000
The project will improve the service area of the Potato Creek Tower currently experiencing low pressure dips below the allowable Safe Drinking Water Act. A new tower at the proposed location is the most feasible way to address the low pressure and ensure continued service during repair periods. Funding is provided for planning and design activities.

Porcupine and East of Sharps Pipeline Replacement
Reclamation Funding: $705,000
The project will construct 2,000 linear feet (LF) of 12-inch HDPE water main in the Porcupine area and 9,000 LF of HDPE water main East of Sharps Corner. This new pipe will replace existing waterlines that are failing and causing system leaks/breaks. Funding is provided for planning and design activities.

Booster Station Controls Replacement
Reclamation Funding: $500,000
The project will replace 47 variable frequency drives at 17 different booster stations throughout the water system. Funding is provided for planning and design activities, and subsequently a portion of implementation.

Water Treatment Plant (WTP) Rehabilitation
Reclamation Funding: $434,000
The project includes asphalt repair and chip sealing the parking lots and driving lanes, replace existing WTP roof or remove and reset/replace heaved and cracked pavers and repair exposed membrane and damaged ballasts, and HVAC rehabilitation. Funding is provided for planning and design activities.

North Core SCADA Replacement
Reclamation Funding: $355,500
This project will replace existing discontinued control components with modern components; replace low speed, low bandwidth, low reliability aging serial communications with updated communications and redundancy system; and replace existing enclosures with updated panel layouts and documentation. Funding is provided for planning and design activities.

Rockyford Pipe Replacement
Reclamation Funding: $262,000
The replacement will include an eight-inch water main parallel to the existing three-inch water main to maintain system capacity and address pressure deficiencies. Funding is provided for planning and design activities.

Utah

Deer Creek Powerplant Generator Rewinds
Reclamation Funding: $400,000
The project includes design for rewind of Generators G1 and G2 at Deer Creek Powerplant. Funding is provided to complete design activities.

Washington

Leavenworth Fisheries Complex
Reclamation Funding: $40,000,000
Funding provided will be for the work on the Surface Water Intake Fish Screen and Fish Passage facility and the Winthrop Circular Tanks. The funding is for planning, design, and subsequently implementation.

Roza Fish Screen Modification
Reclamation Funding: $13,350,000
The project scope includes modification the fish screen. The current fish screening system at the Roza diversion is not in compliance with current screening criteria and has excessive maintenance costs. Activities include an in-river, self-baffling and self-cleaning, rotating wedge wire T-Screen system to provide the most benefits to fish and still supply the needed volume of irrigation and power generation water. Funding is provided for implementation.

West Canal Replacement
Reclamation Funding: $4,500,000
Funding will support the replacement of the concrete liner with geomembrane liner under a concrete liner with the addition of a ground water collection system. Funding is provided to complete a planning study, and then subsequently for a portion of design and implementation.