

**FY 2023 Aging Infrastructure Report to Congress
Extraordinary Maintenance Report Table**

State	Project	Region	Title	Description	Anticipated Cost	Remaining Comp.ance	Repayment Analysis	Minimum Necessary Repayment Period if Different from requested	Allocation of Funds from Deposits into Account	Amount Requested	Amount to be Funded	Alternative non-Federal Funding Options
AZ	Colorado River Front Work & Levee System	LCB	Arizona Palo Verde Diversion Bankline Road Repair	Cholo Onbow Bridge to Farmers Bridge - Rehabilitate approximately 4 miles of gravel road with new aggregate base between RM A-100.1 and RM A-104.1.	\$ 7,042,055.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 7,042,055	\$ 7,042,055	No Alternative Options
AZ	Colorado River Front Work & Levee System	LCB	Brook Reservoir Forebay/Afterbay Inlet Gates Rehabilitation/Replacement	Brook Reservoir Forebay/Afterbay Inlet Gates Rehabilitation/Replacement. Pending non-destructive testing, either replace all gates and frames, or implement operation and maintenance recommendations to replace bronze seats, refurbish frames and leafs, install cathodic protection and coat metal. Planned funding reflects rehabilitation by implementing recommendations.	\$ 10,200,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 10,200,000	\$ 10,200,000	No Alternative Options
AZ	Yuma Project	LCB	High Density Poly Ethelene (HDPE) Pipe Replacement for Yuma County Water Users Drainage System	This project will fund all or part of the replacement of aging and failed HDPE Advanced Drainage System (ADS) pipe that was installed during the expansion of Highway 95 in the Yuma area (during the mid-1990s). This pipe has consistently failed, resulting in leaks which reach the surface in many cases, and require unplanned outages of the system in order to make expedient repairs.	\$ 6,500,000.00	None	No Present Concerns	Not Applicable	Not Applicable	\$ 6,500,000	\$ 6,500,000	Considered Options and None Feasible
AZ	Colorado River Front Work & Levee System	LCB	Laguna Dam Settling Basin Dredging	Laguna Settling Basin Dredging.	\$ 10,000,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 4,000,000	\$ 4,000,000	No Alternative Options
CA	Central Valley Project, Miscellaneous Projects	COB	Delta Mendota Canal Jones Pumping Plant Excitation Cabinet and Control Panel Refurbishment	Jones Pumping Plant Excitation Cabinet and Control Panel Refurbishment. Funding is provided for planning, design, and subsequently implementation.	\$ 25,000,000.00	Planning and Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 25,000,000	\$ 25,000,000	Considered Options and None Feasible
CA	Central Valley Project, Miscellaneous Projects	COB	Delta Mendota Canal Subsidence Correction Project	Funding is to complete required feasibility study, and may be subsequently used for permitting and design costs after completion and acceptance by Reclamation of the study.	\$ 927,612,000.00	Planning and Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 830,000,000	\$ 25,000,000	May Be Able to Supplement Federal Funding; funding alternatives will be considered as part of the planning study.
CA	Central Valley Project, Miscellaneous Projects	COB	Folsom Dam Fiber Upgrade and Installation	Upgrading all fiber for entire Central California Area Office Folsom facility.	\$ 3,000,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 3,000,000	\$ 3,000,000	No Alternative Options
CA	Central Valley Project, Miscellaneous Projects	COB	Folsom Dam Vessel Exclusion Barrier (VEB) Replacement	Vessel Exclusion Barrier Replacement.	\$ 7,500,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 7,500,000	\$ 7,500,000	No Alternative Options
CA	Central Valley Project, Miscellaneous Projects	COB	Folsom Pumping Plant Pumps and Pump Motors Replacement	This Project is for Folsom Pumping Plant Pumps and Pump Motors Replacement. The contractor will remove and dispose of the old Pumps and Pump Motors, and supply and install new Pumps and Motors in Folsom Pumping Plant.	\$ 10,500,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 10,500,000	\$ 10,500,000	No Alternative Options
CA	Central Valley Project, Miscellaneous Projects	COB	Friant Kern Canal Capacity Correction	Correction of capacity constraints due to subsidence in Belmont Reach and below to Orange Cove. Funding is for required feasibility study as requested by the Authority, and may be used subsequently for permitting and design costs after completion of the study and acceptance by Reclamation.	\$ 745,700,000.00	Planning and Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 745,700,000	\$ 22,200,000	May Be Able to Supplement Federal Funding; funding alternatives will be considered as part of the planning study.
CA	Central Valley Project, San Luis Unit	COB	Giannelli Pump-Generating Plant Unit 8 Motor Generator, turbine, and Butterfly Valve Refurbishment	Unit 8 Motor Generator, turbine, and Butterfly Valve Refurbishment.	\$ 42,531,583.00	None	No Present Concerns	Not Applicable	Not Applicable	\$ 42,531,583	\$ 42,531,583	No Alternative Options
CA	Klamath Project	COB	Klamath A Canal	Planning Study for rehabilitation. Using Alternative 4 (CB Wall) from the feasibility report. Klamath Irrigation District would also look at piping the canal for approximately 9 miles using HDPE Pipes.	\$ 48,000,000.00	Planning and Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 48,000,000	\$ 5,000,000	Funding alternatives will be considered as part of the planning study.
CA	Klamath Project	COB	Klamath C Canal	Slurry cutoff wall for approximately 1 miles using CSM; retrofit a check structure and modify one flume.	\$ 3,750,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 4,500,000	\$ 3,750,000	Considered Options and None Feasible
CA	Newlands Project	COB	Lake Tahoe Dam Replacement	Perform feasibility study, determine beneficiaries of Lake Tahoe Dam replacement, determine cost allocation and repayment requirements, create plans and specification for construction and complete construction to replace Lake Tahoe Dam. Funding provided is for a planning study only.	\$ 30,000,000.00	Planning and Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 7,380,000	\$ 3,000,000	Funding alternatives will be considered as part of the planning study.
CA	Central Valley Project, Miscellaneous Projects	COB	Nimbus Fish Hatchery Nursery Phase IV Modernization	Phase IV Modernization. Replace existing fish ladder and diversion structure by constructing a flume upstream from the hatchery to a ladder structure in the basin of Nimbus Dam thereby using the dam as the upstream barrier instead of the existing fish pickets. The fish pickets limit the flow releases from Nimbus Dam into the lower American River which restricts releases during flood operations. This project will remove the fish diversion structure from the river channel.	\$ 10,759,593.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 10,000,000	\$ 10,000,000	No Alternative Options
CA	Central Valley Project, Miscellaneous Projects	COB	Shasta Dam Refurbish Tube Valves	Refurbish elevation 750 tube valves. Funding provided to complete any required planning, design, and subsequently, construction.	\$ 14,745,445.00	Planning and Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 14,745,445	\$ 14,745,445	No Alternative Options
CA	Central Valley Project, Miscellaneous Projects	COB	Shasta Dam Temperature Control Device (TCD) Replace Rods and Couplers	Shasta Dam Temperature Control Device - replacement of hangar rods and couplers.	\$ 10,000,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 10,000,000	\$ 10,000,000	No Alternative Options
CA	Central Valley Project, Trinity River Division	COB	Spring Creek Power Facility Transformer Replacement	Replace the transformers that provide power to pumps at Spring Creek, J.F. Carr and Trinity pumps/generation units. The pumps move water from the Trinity River into the Sacramento River for using the Central Valley Project. Funding includes amounts necessary to finalize required planning study, in addition to implementation.	\$ 42,250,000.00	Planning	No Present Concerns	Not Applicable	Not Applicable	\$ 42,250,000	\$ 42,250,000	No Alternative Options
CA	Washoe Project	COB	Stampele Dam Sandblast and Recast Outlet Works	Sandblast and recast inside of outlet works pipe and penstock.	\$ 3,500,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 3,413,182	\$ 3,413,182	No Alternative Options
CA	Central Valley Project, Trinity River Division	COB	Trinity River Fish Hatchery - Hatchery Building Modernization	Hatchery building infrastructure has been in continuous use for 60 years. The systems inside have exceeded their service lives and require modernization or replacement. This project will install a SCADA system; Replace corroded and leaking piping; install new filtration system and incubator jars; Abate hazardous noise from hatchery operations; and Replace deteriorated iron supports for 150 shallow troughs and 26 deep tanks.	\$ 134,982,179.00	Planning and Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 65,900,000	\$ 65,900,000	No Alternative Options
CA	Colorado River Front Work & Levee System	LCB	Aha Quin Bypass Channel	Construct bypass channel culvert system in the Aha Quin West Channel to maintain flow in the channel after debris flow events from Manson Wash.	\$ 700,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 700,000	\$ 700,000	No Alternative Options
CA	All-American Canal System	LCB	Imperial Dam All American Canal Desilting Basins Clarifier Arms Replacement (72 Pedestals)	All American Canal Desilting Basins Clarifier Arms Replacement (72 Pedestals). Awarded amount is for required planning study and subsequent design.	\$ 24,567,000.00	Planning	No Present Concerns	Not Applicable	Not Applicable	\$ 5,673,401	\$ 5,673,401	Funding alternatives will be considered as part of the planning study.
CA	All-American Canal System	LCB	Imperial Dam Desilting Works Unused Radial Gate Repair	Unused radial gate repair.	\$ 7,855,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 2,579,511	\$ 2,579,511	Considered Options and None Feasible
CA	Yuma Project	LCB	Laguna Dam Gate Refurbish	Refurbish and install Laguna Dam gate.	\$ 3,367,000.00	None	No Present Concerns	Not Applicable	Not Applicable	\$ 1,105,505	\$ 1,105,505	Considered Options and None Feasible
CA	Colorado River Front Work & Levee System	LCB	Senator Wash Access Road Rehabilitation	Resurface Senator Wash Pumping Plant Access Roads.	\$ 500,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 500,000	\$ 500,000	No Alternative Options
CA	Colorado River Front Work & Levee System	LCB	Senator Wash Access Road Surfacing	Road Repair and Repaving: Ferguson Rd - Senator Wash Rd south to end loop.	\$ 500,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 500,000	\$ 500,000	No Alternative Options
CA	Yuma Project	LCB	Siphon Drop Power Plant Governor Controls	Siphon Drop Power Plant provides generation critical to the budget of the Association. In the event of a power shortage from our upstream resources, namely Parker-Davis, it will serve critical load for the Association and Reclamation as part of the Yuma Valley groundwater control program.	\$ 700,000.00	None	No Present Concerns	Not Applicable	Not Applicable	\$ 700,000	\$ 700,000	No Alternative Options
CA	Yuma Project	LCB	Yuma County Water Users' Association Transmission Line Improvements	This project will fund all or part of the replacement of some 220 pole structures on existing Association operated and maintained 34.5KV transmission line. The replacement of chemically treated wood poles with recyclable ductile iron or light steel poles will lead to a greater degree of resiliency within our system, while offering an expected life span of greater than 75 years.	\$ 2,300,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 2,300,000	\$ 2,300,000	No Alternative Options
CO	Leadville Mine Drainage Tunnel	MB/ARGTG	Leadville Treatment Plant	Construction of Mine Drainage Water Treatment Facility and Chemical Storage Building. Funding will finalize planning, design, and subsequently, construction.	\$ 99,000,000.00	Planning	No Repayment Required	Not Applicable	Not Applicable	\$ 66,000,000	\$ 56,000,000	No Alternative Options
CO	Upper Colorado River Storage Project-San Juan-Chama Project	UCB	Azotea Tunnel Outlet Transition & Drop Structures	Remove and replace the Azotea Tunnel outlet transition and remove and replace the four existing drop structures due to degradation.	\$ 5,100,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 1,550,000	\$ 1,550,000	May Be Able to Supplement Federal Funding
CO	Animas-La-Plata Project	UCB	Navajo Nation Municipal Pipeline	Design/Construction/operate/commissioning cost of the new alignment, to mitigate risk of future slide damage, for the Navajo Nation Municipal Pipeline.	\$ 19,800,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 10,800,000	\$ 10,800,000	Considered Options and None Feasible
ID	Boise Project	CPN	Black Canyon Diversion Dam - Repair coating and pitting within Hydro pumps 1 & 2	Repair coating system, areas of substantial pitting, and deteriorated rivets within Black Canyon Hydropump No. 1 and 2 steel conduit from section 13 to the hydropumps (the lower transition to the hydropumps). Repair the coating system, areas of substantial pitting and deteriorated rivets, on the lower hydropump discharge 84-inch steel conduit.	\$ 5,000,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 80,000	\$ 80,000	Considered Options and None Feasible
ID	Boise Project	CPN	Lake Cascade State Park AS Crown Point Trail Rehabilitation	Rehabilitate trail to meet Architectural Barriers Act, Section 504 and public safety under Boise Project Activity Plan 6350. The Federal Land Transportation Program has granted a portion of the funds for this project.	\$ 2,000,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 2,000,000	\$ 2,000,000	No Alternative Options
ID	Boise Project	CPN	New York Canal - Line 6 miles of canal with Huesker Lining	Lining of New York Canal with Huesker liner for approximately 6 miles roughly between Boise Ave and Orchard Street intersection. Will greatly improve safety where canal passes through heavily urbanized areas along with conserving water lost to seepage. Funding is for design and implementation after completion of planning study.	\$ 50,000,000.00	Planning and Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 8,300,000	\$ 4,000,000	Funding alternatives will be considered as part of the planning study.

**FY 2023 Aging Infrastructure Report to Congress
Extraordinary Maintenance Report Table**

State	Project	Region	Title	Description	Anticipated Cost	Remaining Comp.ance	Repayment Analysis	Minimum Necessary Repayment Permitted if Different from requested	Allocation of Funds from Deposits into Account	Amount Requested	Amount to be Funded	Alternative non-Federal Funding Options
MT	Pick-Sloan Missouri Basin Project, Canyon Ferry Unit	MB/ARGTG	Canyon Ferry Silos Recreation Area	Planning study aimed at evaluating options for improvement of visitor health and safety, access and comfort at the Silos Recreation Area. Funding is provided to complete a planning study.	\$ 45,875,175.00	Planning and Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 6,765,000	\$ 3,000,000	No Alternative Options
MT	Sun River Project	MB/ARGTG	Pishkun Inlet Replacement	Replacement of the Pishkun Inlet Drop Structure.	\$ 5,155,469.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 5,030,469	\$ 5,030,469	May Be Able to Supplement Federal Funding
MT	Sun River Project	MB/ARGTG	Pishkun Supply Canal, Sun River Siphon Tunnel No. 3 Repair	Rehabilitation of a portion of the Pishkun Supply Canal Tunnel No. 3 in response to minor crown failure in 2020.	\$ 12,079,600.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 11,559,600	\$ 11,559,600	May Be Able to Supplement Federal Funding
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Spirit Lake Office Upgrades	This project includes upgrading windows, roof, siding, and improvements to the office space.	\$ 1,000,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 1,000,000	\$ 1,000,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Spirit Lake Tribe RS Tank Plant Access Road	This project includes repairing the access road to the RS Tank on the Spirit Lake Rural Water System.	\$ 255,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 255,000	\$ 255,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Spirit Lake Tribe Saint Michael Reservoir Recoat	This project includes repairing the interior and exterior coating system on the St. Michael pedestal spheroid water tank.	\$ 400,810.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 400,810	\$ 400,810	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Spirit Lake Tribe Water Treatment Plant Access Road Repair	This project includes repairing and upgrading 8,550' of the access road to the Spirit Lake Water Treatment Plant.	\$ 536,560.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 536,560	\$ 536,560	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Standing Rock Tribe Cannonball Asbestos Cement Pipe Replacement	Includes replacement of 6,265 feet of Asbestos Cement pipe with HDPE pipe and related appurtenances within the town of Cannonball, North Dakota on the Standing Rock Indian Reservation.	\$ 5,335,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 5,335,000	\$ 5,335,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Standing Rock Tribe Embankment Stabilization Repair	This project includes stabilizing embankment sloughing from erosion caused by wave action and high water elevations from previous years. A pipe runs through the embankment that delivers irrigation water to fields. The pipe has already been damaged from embankment sloughing in calendar year 2021, resulting in a loss of water for a short time during a peak water demand time.	\$ 91,162.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 91,162	\$ 91,162	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Standing Rock Tribe Kenel AC Pipe Replacement	Includes replacement of 3,200 feet of Asbestos Cement pipe with HDPE pipe and related appurtenances within the town of Kenel, South Dakota on the Standing Rock Indian Reservation.	\$ 2,160,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 2,160,000	\$ 2,160,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Standing Rock Tribe Master Meter Upgrades	This project includes 4 Master Meter replacement and upgrades to 2 Casino vaults, Sitting Bull College, and Fort Yates School Loop.	\$ 1,902,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 1,902,000	\$ 1,902,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Standing Rock Tribe Office and Shop Upgrades	This project includes upgrading windows, roof, siding, and improvements to the office space.	\$ 1,026,561.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 1,026,561	\$ 1,026,561	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Standing Rock Tribe Wakpala Pipeline Relocation	This project includes relocating approximately 690 feet of pipe in a slide area along Hwy 1806 to the opposite side of the road to avoid a possible break in the waterline as the hill continues to slide.	\$ 125,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 125,000	\$ 125,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Three Affiliated Tribe Little Shell Booster Station and Pipeline	Construct Booster Station and Pipeline to serve the Little Shell Water System - a booster station and pipeline must be constructed so the Parshall Regional Water Treatment Plant can hydraulically serve the Little Shell water system.	\$ 1,750,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 1,750,000	\$ 1,750,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Three Affiliated Tribes Four Bears Ground Storage Tank Replacement	Construct Replacement Four Bears Ground Storage Tank. The tank was damaged in a wind storm, necessitating permanent repairs. Given the existing deficiencies of the tank, replacing the existing tank with a new hydraulically higher tank with 500,000 gallons of storage is the best alternative.	\$ 3,500,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 3,500,000	\$ 3,500,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Three Affiliated Tribes Four Bears Maintenance Storage Building	Construct Maintenance Storage Building for Four Bears Service Area - Fort Berthold Rural Water System does not have a maintenance storage building located adjacent to the existing Water Treatment Plant in Four Bears water service area on the reservation. This storage building is needed to store repair parts and equipment out of the weather.	\$ 1,770,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 1,770,000	\$ 1,770,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Three Affiliated Tribes Four Bears Water Treatment Plant (WTP) and Intake Equipment	Replace Four Bears Water Treatment Plant and Intake Equipment and Pumps to Increase Capacity to 1,000 gpm. The existing Four Bears WTP operates at near capacity and engineering analysis indicates that the WTP capacity should be increased 1,000 gpm to meet future water demands.	\$ 1,500,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 1,500,000	\$ 1,500,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Three Affiliated Tribes Installation of Backup Power Generators	Installation of 24 Backup Power Generators at Fort Berthold Rural Water System Facilities to ensure continued delivery of drinking water to residents of the Fort Berthold reservation during power outages.	\$ 2,480,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 2,480,000	\$ 2,480,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Three Affiliated Tribes Mandaree Intake Access Road Improvements	The Mandaree intake site had a major landslide event in 2019 which severely damaged the intake access road, making the intake inaccessible until temporary repairs were completed. This project would construct a new access road assuring proper road grades/surfacing, road ditches and cross drainage, reducing the risk of service outages.	\$ 1,130,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 1,130,000	\$ 1,130,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Three Affiliated Tribes Mandaree Intake Landslide Prevention Project	The Mandaree intake site had a major landslide event in 2019, resulting in recommendations that additional slope protection measures be installed including buried H-pile wall and tie-backs to protect the intake site.	\$ 1,000,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 1,000,000	\$ 1,000,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Three Affiliated Tribes Mandaree Water Treatment Plant (WTP) Intake Slope Tube Protection Project	A major landslide event at the Mandaree WTP intake site in the fall of 2019 caused significant damage to the rip rap that protects the three intake slope tubes. Temporary repairs to the rip rap were made after the landslide event to prevent slope tubes from ice and freezing damage in the upcoming winter. Further damage has since been caused by wave action during record high Lake Sakakawea water levels. The project would provide permanent repairs to the intake slope tube cover including installation of cover material (insulation from freezing), geotechnical material, gravel bedding and rip rap.	\$ 4,590,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 4,590,000	\$ 4,590,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Three Affiliated Tribes Mandaree Water Treatment Plant (WTP) Replacement	The existing Mandaree WTP currently operates at near capacity and a future water demand analysis has shown that the capacity of the WTP needs to be increased to 1,000 gpm. An engineering analysis of WTP alternatives was conducted and it was determined that the best alternative was to construct a new WTP. Funding is provided for planning, design, and subsequently implementation.	\$ 20,100,000.00	Planning and Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 20,100,000	\$ 20,100,000	May Be Able to Supplement Federal Funding
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Three Affiliated Tribes Mandaree, Parshall-Lucky Maintenance Storage Building	Construct Storage Buildings at Mandaree, Parshall, Lucky Mound, Twin Buttes, and White Shield Service Areas - Fort Berthold Rural Water does not have maintenance storage buildings strategically located in these four water system service areas on the reservation. These storage buildings are needed to store repair parts and equipment out of the weather in these areas of the reservation which also reduces response time during emergencies.	\$ 7,080,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 7,080,000	\$ 7,080,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Three Affiliated Tribes Replacement Admin and Shop Building	Construct Replacement Fort Berthold Rural Water System (FBRWS) Administration and Maintenance Shop Building. The current FBRWS office and shop building in Four Bears is inadequate in size and the current location (middle of Tribal Headquarters area) does not allow room to expand that building or the yard area to store equipment and operation and maintenance repair parts. The best solution is to abandon the current building and build a new building out of town in a more rural area with adequate space.	\$ 8,630,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 8,630,000	\$ 8,630,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Three Affiliated Tribes White Shield Booster Station and Pipeline	Construct Booster Station and Pipeline to serve the White Shield Water System - a booster station and pipeline need to be constructed so the Parshall Regional WTP can hydraulically serve the White Shield water system.	\$ 850,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 850,000	\$ 850,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Turtle Mountain 3 Mile Road Main Replacement	3 Mile Road Replacement. This includes the replacement of the service lines and connections to the water mains, and a road bore to facilitate the replacements.	\$ 1,850,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 1,850,000	\$ 1,850,000	May Be Able to Supplement Federal Funding
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Turtle Mountain Belcourt Water Main Replacement	Belcourt Water Main Replacement (Areas 5 & 6). Replacement of existing watermain and curb stops within the Belcourt housing area. Replacement of approximately 1/2 mile of watermain, 1/2 mile of service line replacement, pressure reducing valves, manholes, curb & gutter, and road replacement. Reclamation funds will only be used on the water portion of the job, with sewer work funded with other federal sources.	\$ 5,977,217.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 4,000,000	\$ 4,000,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Turtle Mountain Hwy 3 and BIA 8 Main Replacement	HWY 3 & BIA 8 Watermain Replacement. Replacement of the existing glued PVC watermain along HWY 3 & BIA 8 with new pipe. The project would also extend the watermain south west of HWY 3 & BIA 8 intersection to create a loop. The extension work would be included in the project but not funded through this application. Total length of proposed water main pipe would be approximately 9 miles.	\$ 8,400,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 6,000,000	\$ 6,000,000	May Be Able to Supplement Federal Funding
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Turtle Mountain Replacements and Leak Repair	Replacements and leak repair. Replacement of faulty infrastructure throughout the rural water system including hydrants, valves, and leaking water lines.	\$ 400,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 400,000	\$ 400,000	No Alternative Options
ND	Pick-Sloan Missouri Basin Project, Garrison Diversion Unit	MB/ARGTG	Turtle Mountain Water Treatment Plant Improvements	Replacements and Rehabilitation of the Turtle Mountain Rural Water System (TMRWS) Water Treatment Plant. Work includes replacement of process piping, coatings, rehab of sludge basin, replacement of sludge pump, installing floor drains, replacement of septic system, repair of lift station, HVAC, & electrical.	\$ 773,708.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 773,707	\$ 773,707	No Alternative Options
NM	Rio Grande Project	UCB	Caballo Dam and Reservoir Bonita Lateral Upgrade	Rio Grande - Bonita Lateral Upgrade (Caballo) Assessment will be made of the life expectancy of the Bonita pipe. If determined necessary, then the remaining funds will be used for replacement or retining of pipe as recommended by the evaluation.	\$ 7,100,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 7,100,000	\$ 7,100,000	No Alternative Options

**FY 2023 Aging Infrastructure Report to Congress
Extraordinary Maintenance Report Table**

State	Project	Region	Title	Description	Anticipated Cost	Remaining Comp.ance	Repayment Analysis	Minimum Necessary Repayment Period if Different from requested	Allocation of Funds from Deposits into Account	Amount Requested	Amount to be Funded	Alternative non Federal Funding Options
NM	Middle Rio Grande Project	UCB	El Vado Dam and Reservoir Repair Damaged Concrete	Repair damaged concrete at the base of the outlet works stilling basin to prevent additional damage.	\$ 4,000,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 4,000,000	\$ 4,000,000	No Alternative Options
NM	Rio Grande Project	UCB	Elephant Butte Historic District Recreation Area Restaurant and Patio	Complete study, design, and estimate to fix the restaurant patio; construction to repair foundation, drainage, building, roof, solar panels, etc.; update appliances; rehab dining room, etc.	\$ 2,000,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 1,780,000	\$ 1,780,000	No Alternative Options
NM	Rio Grande Project	UCB	Elephant Butte Historic District Roads and Parking Lots	Rehabilitation of Elephant Butte Historic District interior roads and parking lots. This project includes all of the interior roads and parking lots at the historic district.	\$ 6,420,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 3,395,000	\$ 3,395,000	May Be Able to Supplement Federal Funding
NM	Rio Grande Project	UCB	Elephant Butte Recreation Area Water Infrastructure Rehab	Remove existing cast iron piles, reroute water lines to bypass old tanks, install a lift station, 3 new low profile tanks, upgrade distribution system lines, etc.	\$ 10,605,983.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 9,600,000	\$ 9,600,000	No Alternative Options
NM	Middle Rio Grande Project	UCB	Rio Grande Channelization Lower San Acacia Reach Improvements within Middle Rio Grande	This project is extraordinary maintenance of existing assets to be to meet the following 3 needs: improving water conveyance, maintaining or increasing habitat available to endangered species, and improving cost-effectiveness of operation and maintenance actions. Funding is provided to complete a planning study.	\$ 100,000,000.00	Planning and Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 4,500,000	\$ 4,500,000	May Be Able to Supplement Federal Funding; funding alternatives will be considered as part of the planning study.
WV	Washoe Project	CGB	Marble Bluff Dam Bank Stabilization	Marble Bluff Dam dredging of island which has formed directly above Marble Bluff Dam and bank stabilization to reduce the bank erosion upstream of Marble Bluff Dam.	\$ 2,645,000.00	None	No Present Concerns	Not Applicable	Not Applicable	\$ 2,432,220	\$ 2,432,220	No Alternative Options
OR	Umatilla Project	CPN	Hermiston Irrigation District Cold Springs Dam and Reservoir Outlet Gates Replacement	Remove and replace the upstream-most outlet works gate house access footbridge support.	\$ 703,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 703,000	\$ 703,000	Considered Options and None Feasible
OR	The Dalles Project	CPN	Mill Creek Plant - Surge Tank Installation	Mill Creek Plant needs a surge tank since original motors with flywheels have been replaced with modern motors and no flywheels.	\$ 2,200,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 2,200,000	\$ 2,200,000	Considered Options and None Feasible
OR	Deschutes Project	CPN	North Unit Main Canal Fish Screen Rehab or Replacement	Rehabilitate or replace fish screens at the headworks. Fish exclusion into the North Unit Irrigation District main canal is necessary to meet current Oregon Department Fish and Wildlife requirements and future HCP requirements as the district has no incidental take coverage for ESA listed species in its canals.	\$ 10,000,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 10,000,000	\$ 10,000,000	Considered Options and None Feasible
OR	Umatilla Project	CPN	West Extension Main Canal West Division Rehabilitation	Rehabilitate 2800 linear feet of the main canal by relining with Geo-Foam lining for 40% and new concrete panels for 60% of the project. Will also install drainage system for 60% of the project as groundwater is causing the deterioration of the lining.	\$ 225,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 60,000	\$ 60,000	Considered Options and None Feasible
SD	Mri Wicroni Project	MB/ARGTG	Lower Brule Booster 1 and 2 Generators	Installation of 2 Backup Power Generators at Lower Brule Rural Water System (LBRWS) Facilities that require a backup power source to ensure continued delivery of drinking water to residents of the Lower Brule reservation and surrounding area during power outages.	\$ 501,900.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 500,000	\$ 500,000	No Alternative Options
SD	Mri Wicroni Project	MB/ARGTG	Ogalala Sioux Tribe Oblaya Pipeline Replacement	Construction of approximately 11-miles of PVC watermain and appurtenances that has experienced failures leading to the disruption of water service.	\$ 3,500,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 3,500,000	\$ 3,500,000	No Alternative Options
SD	Mri Wicroni Project	MB/ARGTG	Ogalala Sioux Tribe South Core Reservoir 4	The project constructs a 1 million gallon elevated water storage tower near Kadoka, South Dakota. The proposed tower will add system redundancy to ensure continued service to sponsors during the significant leak repairs the system has been experiencing.	\$ 8,670,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 8,670,000	\$ 8,670,000	No Alternative Options
SD	Mri Wicroni Project	MB/ARGTG	Ogalala Sioux Tribe Water Treatment Plant and Intake Generators	Installation of two generators, transfer switches, and appropriate controls at the water treatment plant and intake pump station to provide backup power. The generators are sized to sustain operations at minimum service levels during a short-term power outage.	\$ 2,800,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 2,800,000	\$ 2,800,000	No Alternative Options
SD	Mri Wicroni Project	MB/ARGTG	Oglala Sioux Tribe White River Bore Crossing Replacement	The project replaces a river crossing underneath the White River south of Kadoka, South Dakota. The current crossing has experienced significant erosion, causing increased risk to distribution structures that are adjacent to the river. In addition, the pipeline is currently believed to be leaking under the river. The project will install a new river crossing bore and new structures located at distances away from the river.	\$ 5,000,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 5,000,000	\$ 5,000,000	No Alternative Options
SD	Mri Wicroni Project	MB/ARGTG	Rosebud Sioux Tribe Big White River Booster Rebuild	Replacement of the aging Big White River Booster Station, which is the main pump station that conveys clean drinking water to multiple towns and tribal communities. This station suffers from inadequate capacity, reduced useful life, significant deterioration, and is considered a confined space.	\$ 3,000,000.00	Environmental	No Repayment Required	Not Applicable	Not Applicable	\$ 1,700,000	\$ 1,700,000	No Alternative Options
WA	Yakima Project	CPN	Roza Fish Screen Modifications	Roza Fish Screen Modifications.	\$ 29,116,000.00	None	No Repayment Required	Not Applicable	Not Applicable	\$ 3,000,000	\$ 3,000,000	No Alternative Options
WA	Columbia Basin Project	CPN	West Canal Replacement from Station 849+40 to 864+40	The West Canal from stations 849+40 to 864+40 has significant and visible flowing water from the tow of the slope. This seepage has been observed for many years and begins to flow shortly after Quincy-Columbia Basin Irrigation District (QCBID) fills the West Canal. Directly downstream of the seepage are a hundred or so homes. QCBID will replace approximately 1,500 linear feet of the West Canal from station 849+40 to 864+40. Completion of this project will conserve water, protect homes downstream from damage, and ensure uninterrupted water delivery to farmers in the district. Existing subgrade material will be removed and replaced with suitable material to stabilize the foundation. Also, an underground drainage system with pumps would be installed to reduce groundwater infiltration. The pumped water would be returned to the West Canal.	\$ 4,125,000.00	Environmental	No Present Concerns	Not Applicable	Not Applicable	\$ 4,125,000	\$ 4,125,000	Considered Options and None Feasible

FY 2023 Total: \$ 584,911,771