



# PAINTED ROCK DAM, AZ

## Operations & Maintenance

**U.S. ARMY CORPS OF ENGINEERS**

**BUILDING STRONG.**

**LOCATION AND DESCRIPTION:**

Located about 20 miles NW of Gila Bend, AZ, and 120 miles SW of Phoenix, AZ. Project elements being operated and maintained: Dam (earthfill; 181-foot high; 4,780-foot long); Saddle Dike Outlet Works (circular conduit); Spillway (detached); Pilot Channel Reservoir (2,491,493 acre-foot cap spillway crest – 1977); and One recreation area (downstream at borrow pit area). This recreation area is closed by the State of Arizona due to contaminated water.



As of 5 FEB 21

**AUTHORIZATION:**

Flood Control Act of 1950.

**ACTIVITIES FOR FY 2021:**

Funds will be used for the following:

**OPERATIONS** – Legal or policy mandated minimum level operational activities; water control and management, including data analysis; periodic assessment; inspection of land for hazardous materials; environmental stewardship activities and recreation management.

**MAINTENANCE** – Legal or policy mandated maintenance activities; design of electrical system repairs and required updates at the dam control tower; design of repair to the malfunctioning downstream weir, dam safety oversight; and water instrumentation maintenance.

**FY 2022 PLANNED ACCOMPLISHMENTS:**

Optimal funding could be used for the following:

**OPERATIONS** – Legal or policy mandated minimum level operational activities; water control and management, including data analysis; inspection of land for hazardous materials; environmental stewardship activities and recreation management

**MAINTENANCE** – Legal or policy mandated maintenance activities; replacement of the outdated and frequently malfunctioning dam control tower elevator; dam safety oversight; and water instrumentation maintenance.

**ISSUES AND OTHER INFORMATION:**

Fully operational since April 1959, this is a DSAC 3 dam that has been classified as moderate risk. The flood risk management project is reaching over 58 years of service and requires rehabilitation major dam components, such as motors & generators, before structural and component failure at the project. The Corps will continue to work closely with Dam/Levee safety to coordinate interim risk measures and will continue to pursue funding to support the needed repairs and upgrades to the major dam components. The service elevator requires constant maintenance and is reaching the end of its useful life. Failure of the service elevator could adversely affect regular operations. The stream-gage downstream from the dam cannot provide accurate flow measurements because the control weir was installed too high when it was rebuilt in the 1990s causing water to pond near the outlet works for the dam, and it must be modified to become fully serviceable again as well as to reduce ponding. Electronic and telephone communication can be unreliable between the LA District office and operators at the Dam, particularly during inclement weather events. The relief wells at the dam have not been inspected or tested in years and require maintenance to ensure their functionality.

**CONGRESSIONAL INTEREST:**

Congressperson (AZ-3) Grijalva

**FINANCIAL SUMMARY:**

	<b><u>O&amp;M</u></b>
Estimated Federal Cost	\$4,570,000
Estimated Non-Federal Cost	0
Total Estimated Project Cost	\$4,570,000
Allocation thru FY20	\$1,129,305
Allocation for FY21	\$4,524,300
President's Budget for FY22	TBD
House Report for FY22	TBD
Senate Report for FY22	TBD
Balance to Complete After FY22	N/A