



# DAM SAFETY FUNDING OPPORTUNITIES

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December 7, 2022





# AGENDA

## Topics.

1. Infrastructure Investment and Jobs Act (IIJA) grants and loans.
2. National Dam Safety Program State Assistance (NDSP SA) grants.
3. Rehabilitation of High Hazard Potential Dams (HHPD) grants.
4. Corps Water Infrastructure Financing Program (CWIFP) loans.
5. National Oceanic and Atmospheric Administration (NOAA) grants.





# INFRASTRUCTURE INVESTMENT & JOBS ACT





# IIJA GRANTS AND LOANS

- **Dams Critical Infrastructure Sector** assets deliver critical water retention and control services, including hydropower, municipal and industrial water supplies, irrigation, sediment and flood control, industrial wastewater management and recreation.
- **Significant funding increases.**
  - \$148 million total to states for NDSP SA grant.
  - \$585 million total to states for HHPD grant, with not less than \$75 million for dam removal.
  - \$67 million total to Federal Emergency Management Agency (FEMA) Operations and Support for dam safety activities and state assistance.
  - \$118 million total for National Resources Conservation Service Small Watershed Rehab Program.
  - \$64 million total for Water Infrastructure Finance and Innovation Program (includes CWIFP).
  - \$492 million total for NOAA to update precipitation frequency and probable maximum flood data.
  - Approximately \$800 million total for dam removal projects.
  - Approximately \$800 million for dam safety, environmental and electric grid upgrades for hydropower dams.
- **Association of State Dam Safety Officials (ASDSO)** – a nonprofit corporation to advance dam safety engineering, research, education, action and services (<https://www.damsafety.org/legislative-advocacy>).





# NATIONAL DAM SAFETY PROGRAM STATE ASSISTANCE GRANTS





# NDSP SA GRANT 1

- The **primary purpose** of this grant is to support and strengthen states with eligible dam safety programs (those with fiscal and regulatory requirements for dam safety).
- FEMA administers this program by **authority of the National Dam Safety Program Act** (33 U.S.C. §§ 467-467n), which was reauthorized through the *America's Water Infrastructure Act of 2018*, through 2023.
- **Funding sources** (12-month period of performance).
  - Consolidated Appropriations Act – Fiscal Year (FY) 22 = \$7.626 million.
  - Infrastructure Investment and Jobs Act – FY 22 = \$3.374 million.
- **Program objectives.**
  - Reduce risks to life and property associated with dams.
  - Increase awareness of the risks associated with dams and the benefit of state dam safety programs.
  - Advance the state of practice of dam safety and dam risk management.
- **Priorities** are to establish and maintain effective state dam safety programs intended to ensure dam safety and to protect human life and property.



# NDSP SA GRANT 2

## ELIGIBLE ACTIVITIES

### 1. Dam safety.

- Perform targeted inspections of high hazard potential (HHP) dams.
- Perform targeted condition assessments of HHP dams.
- Develop new or update emergency action plans, including inundation studies, for HHP dams.
- Perform regulatory enforcement actions, such as notices, penalties, restrictions or breaching.

### 2. Public safety and awareness.

- Provide outreach and messaging to inform everyone of dam risks and actions to take.
- Establish metrics to gauge the effectiveness of public outreach and messaging.

### 3. Training and research.

- Perform best practices that advance operations of state dam safety programs.
- Create prioritization methods for decision making in HHP dam rehabilitation or removal projects.
- Design and implement a state dam sector cybersecurity framework.
- Provide and participate in professional education, workshops and training in dam safety.



# NDSP SA GRANT 3

## ELIGIBLE ACTIVITIES IN FLORIDA'S FY 22 WORK PLAN

DEP manages the NDSP SA grant activities through contracts and direct implementation.

### 1. Dam safety.

- *Perform targeted condition assessments of HHP dams.*
- *Develop new or update emergency action plans, including inundation studies, for HHP dams.*

### 2. Public safety and awareness.

- *Provide outreach and messaging to inform everyone of dam risks and actions to take.*

### 3. Training and research.

- *Perform best practices that advance operations of state dam safety programs.*
- *Create prioritization methods for decision making in HHP dam rehabilitation or removal projects.*
- *Provide and participate in professional education, workshops and training in dam safety.*





# NDSP SA GRANT 4

## FLORIDA DAM INFORMATION SURVEY

Search for “Florida Dam Safety Program” at <https://floridadep.gov/>.

- **Applicability.**

- “Dam” is defined in Chapter 373.403, F.S., as, “any artificial or natural barrier, with appurtenant works, raised to obstruct or impound, or which does obstruct or impound, any of the surface waters of the state.”
- This survey does not apply to a levee or levee system.
- There are no permit requirements associated with completing the survey.

- **Minimum dam criteria.**

- Dam failure or mis-operation would likely result in one or more of the following: loss of human life, offsite economic loss, environmental damage, disruption of lifeline facilities or impact other concerns, such as water quality.
- Dam height is greater than five feet.
- Maximum storage is greater than 15 acre-feet.

- **FEMA website:** <https://www.fema.gov/emergency-managers/risk-management/dam-safety/grants>.





# REHABILITATION OF HIGH HAZARD POTENTIAL DAMS GRANTS





# HHPD GRANT 1

- The **primary purpose** of this grant is to provide grant funding to eligible states for pass-through to non-federal agencies and nonprofit organizations for planning, design and construction activities to rehabilitate (repair, replace, reconstruct and remove) eligible HHP dams.
- The program objective is to reduce or eliminate risk from eligible HHP dams.
- FEMA administers this program **by authority of the National Dam Safety Program Act** (33 U.S.C. §§ 467f-2).
- **Funding sources** (36-month period of performance).
  - Annual appropriations by U.S. Congress – FY 22 = \$11.64 million.
  - Infrastructure Investment and Jobs Act – FY 22 = \$10.36 million.
- **Cost share.**
  - A subrecipient may receive up to 65% of the project cost through the grant.
  - A cost share of not less than 35% is required from non-federal sources, which may be in-kind.



# HHPD GRANT 2

## ELIBILITY CRITERIA FOR HHPD

- Has an approved emergency action plan.
- Fails to meet minimum dam safety standards, as determined by the regulatory agency.
- Has a condition assessment rating of POOR or UNSATISFACTORY.
- Was not built under the authority of the U.S. Secretary of Agriculture or is not a licensed hydroelectric dam.

## ELIGIBLE ACTIVITIES

- Planning tasks and activities, studies and analysis for pre-construction phases, scoping activities and permit applications.
- Preliminary and final design package and required permit approvals.
- Construction activities that support dam rehabilitation or removal projects.

## FLORIDA'S HHPD FUNDING INITIATIVE

- Florida Division of Emergency Management (FDEM) to request legislative approval to apply for the HHPD grant in 2023.
- FDEM to administer grant pass through to sub-applicants and provide required mitigation information.
- FDEP to provide dam safety program information and screen quarterly progress reports.
- Grant participation is not expected to alter regulatory permitting requirements.





# HHPD GRANT 3

## SUBRECIPIENT ELIGIBILITY CRITERIA

Non-federal governmental organizations and nonprofit organizations.

- Regulated by the state of Florida and engineering plans and specifications certified by a Florida licensed Professional Engineer.
- The community where the dam is located complies with the regulations of the National Flood Insurance Program.
- The governmental agency with jurisdiction over the dam has an approved hazard mitigation plan with dam risks.
- Commits to provide operation and maintenance of the dam for its expected life.
- Carries out activities related to the public around the dam per the hazard mitigation plan.
- Complies with requirements for federal contractor and subcontractor wages.
- Engineering firm selection meets federal requirements for contract and subcontract services.
- Facility has or will develop a floodplain management plan within two years.

## WEBSITE

<https://www.fema.gov/emergency-managers/risk-management/dam-safety/rehabilitation-high-hazard-potential-dams>.





# CORPS WATER INFRASTRUCTURE FINANCING PROGRAM LOANS





# CWIFP LOANS 1

- The **primary purpose** of this program is to provide long-term, low-cost loans to enable local investment in safety projects to maintain, upgrade and repair non-federally owned dams identified in the National Inventory of Dams.
- The U.S. Army Corps of Engineers (USACE or Corps) is developing and will administer this program **by authority of the Water Infrastructure Finance and Innovation Act** of 2014 (33 U.S.C. 3901-3914).
- **Funding sources** (36-month period of performance).
  - Consolidated Appropriations Act = \$1.5 billion.
  - Infrastructure Investment and Jobs Act = \$6 billion.
- **Program objective.**
  - Promote non-federal dam safety projects that reduce risk to communities and provide an opportunity to address aging infrastructure needs.
- **Loan amounts** of up to 49% of project costs.



# CWIFP LOANS 2

## ELIGIBILITY CRITERIA FOR CWIFP LOANS

- A corporation, partnership, joint venture, trust, state, local, or tribal governments or state infrastructure financing authority.
- Projects must be non-federally owned, operated and maintained.
- Projects must meet statutory eligibility requirements, including creditworthiness.
- Focus on projects that are not federally authorized.
- Projects or groups of projects must be in excess of \$20 million and meet one of the following three categories.
  - 1) A project for flood damage reduction, hurricane and storm damage reduction, environmental restoration, coastal or inland harbor navigation improvement or inland and intercoastal waterways navigation improvement.
  - 2) Acquisition of real property or an interest in real property.
  - 3) A combination of projects described in categories 1 and 2 above, with a dedicated source of repayment, each eligible for CWIFP credit assistance, submitted in a single application.

## USACE WEBSITE

[https://www.usace.army.mil/Missions/Civil-Works/Infrastructure/revolutionize/CWIFP/.](https://www.usace.army.mil/Missions/Civil-Works/Infrastructure/revolutionize/CWIFP/)





# NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION GRANTS





# NOAA GRANTS 1

- **Grants and primary purposes.**
  - **Restoring Fish Passage through Barrier Removal (Fish Passage):** To restore fish passage for native migratory and sea-run fish in coastal ecosystems, including the Great Lakes, by removing dams and other in-stream barriers to fish passage.
  - **Restoring Tribal Priority Fish Passage through Barrier Removal (Tribal Fish Passage):** To provide federal financial and technical assistance to Indian tribes and tribal commissions or consortia to remove barriers to fish passage.
- **Funding sources** (36-month period of performance).
  - Fish Passage – IIJA – FY 22 = \$65 million.
  - Tribal Fish Passage – IIJA – FY 22 = \$12 million.
- **Funding availability.**
  - Fish Passage – federal requests between \$1 million and \$15 million.
  - Tribal Fish Passage – federal requests between \$300,000 and \$5 million.
- **Applicant contributions.**
  - No federal matching or cost-sharing required for either grant.
  - Fish Passage – Evaluation criterion performed to assess non-federal contributions.





# NOAA GRANTS 2

## ELIGIBILITY CRITERIA FOR NOAA GRANTS

- Fish Passage – Institutions of higher education, nonprofit and for-profit organizations, U.S. territories and state, local and Native American tribal governments.
- Tribal Fish Passage – Indian tribes and tribal commissions or consortia.

## EMPHASES

- Endangered Species Act.
- Magnuson-Stevens Act.
- Great Lakes native species.
- Saltwater recreational species.
- Community resilience.
- Benefits to tribal and underserved communities.
- Hydroelectric project surrender.

## NOAA WEBSITES

<https://www.fisheries.noaa.gov/grant/restoring-fish-passage-through-barrier-removal-grants>.

<https://www.fisheries.noaa.gov/grant/restoring-tribal-priority-fish-passage-through-barrier-removal-grants>.





# THANK YOU

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