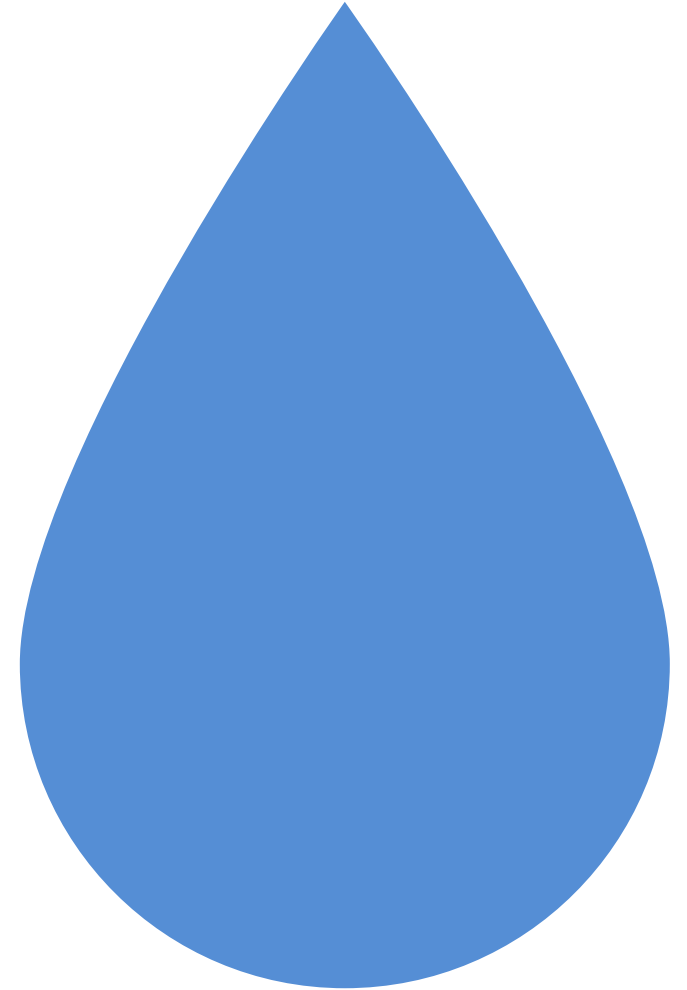
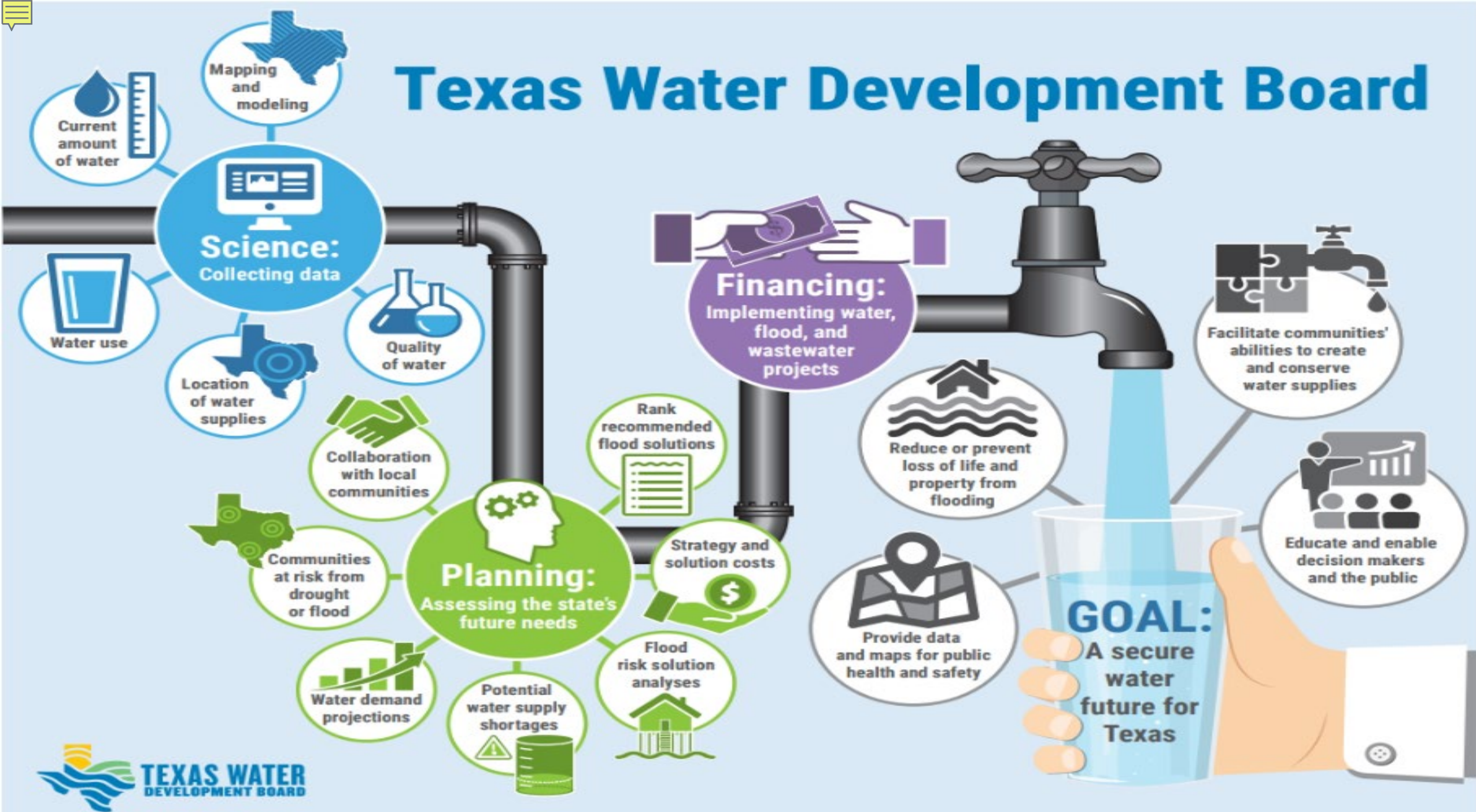


Flood Mitigation Funding Opportunities at the TWDB

Caleb Rodriguez, CFM, CTCM
Northeast Texas Flood Funding Forum
March 6th, 2025



Texas Water Development Board





TWDB Grant Coordination

Flood Mitigation
Assistance Grant

Federal funding for projects that reduce or eliminate the risk of flood damage to structures insured under the NFIP

Flood Infrastructure Fund

Support the local match for federal award

Support already-vetted flood mitigation projects

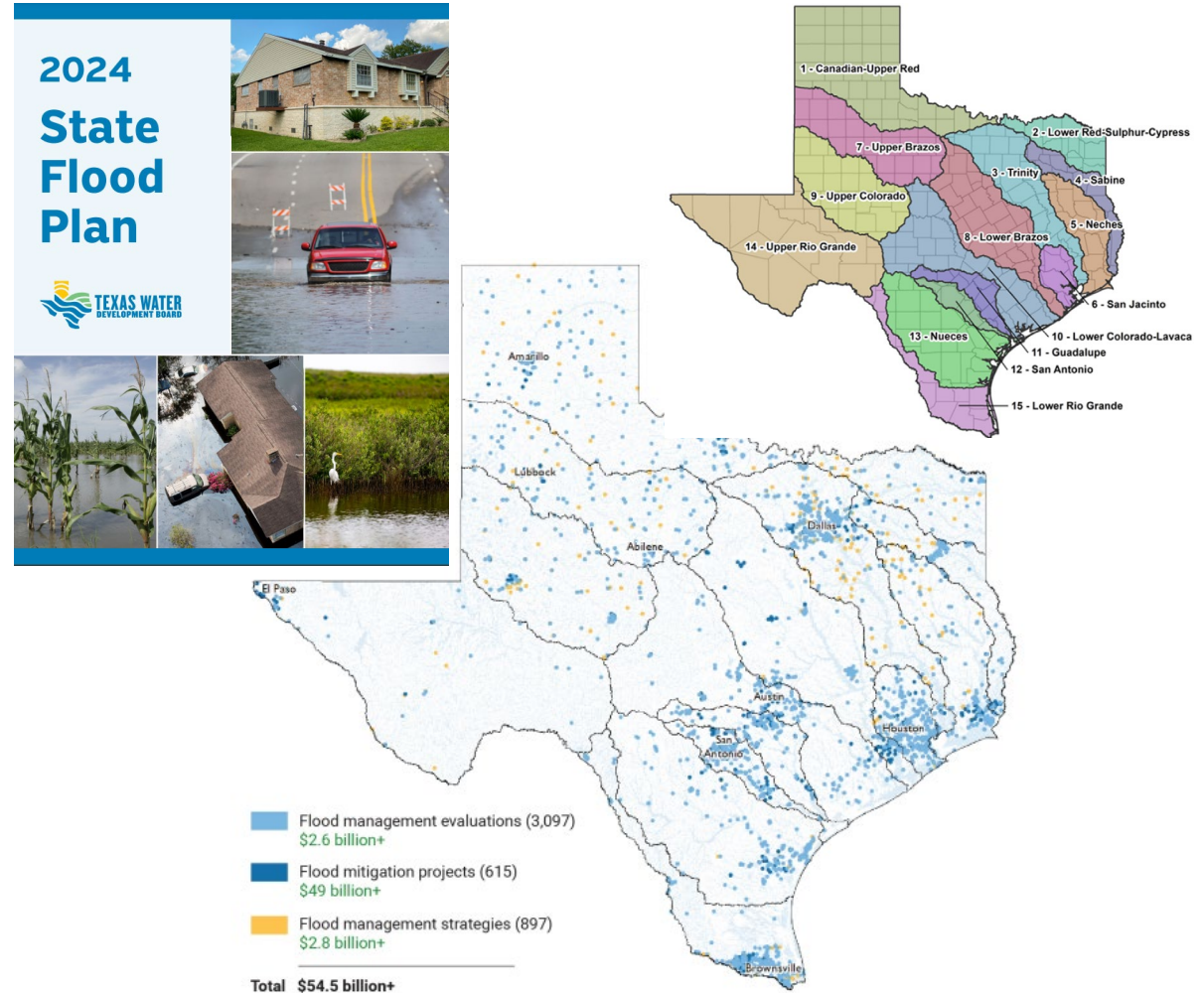
Flood Mitigation
Assistance Grant (FMA)
Swift Grants

Requires Federal Flood Disaster Declaration. Federal funding for projects in communities under federal disaster declaration.

Purpose: Assist Texas communities by providing federal and state funds for cost-effective flood mitigation measures to reduce or eliminate the long-term risk of flood damage.

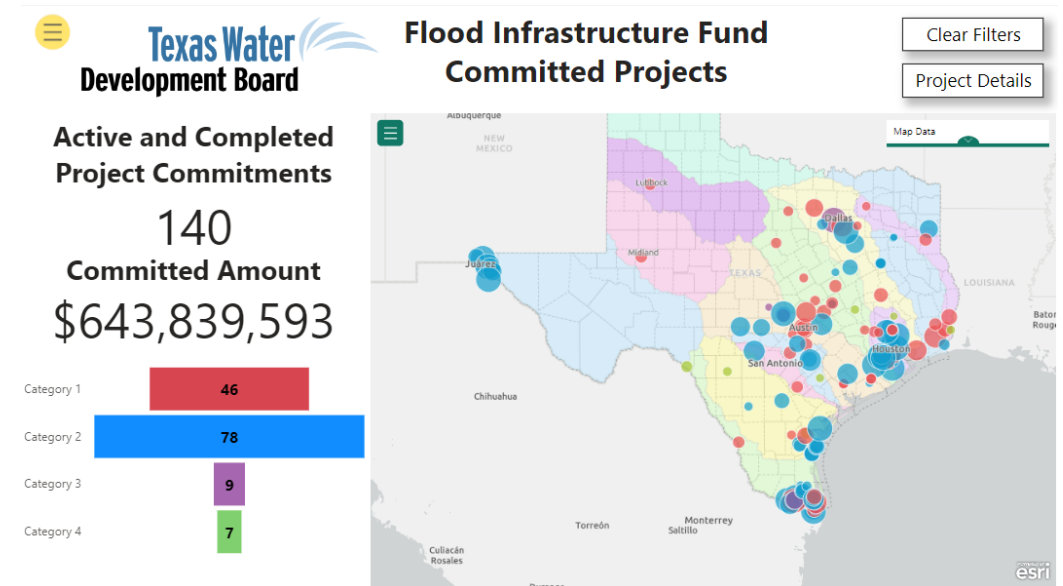
State Flood Plan

- First-ever Texas State Flood Plan submitted to legislature Sep 2024
- 5yr cycle, but first cycle abbreviated 3-4yrs
- 15 Regional Flood Planning Groups (RFPGs)
- Over \$54B in projected costs
- Identified over 4,500 projects
 - Over 3,000 of those are studies
- Over a dozen policy recommendations



Flood Infrastructure Fund (FIF) Program

- State funded Loan and Grant
- Prior round \$770M, ~140 projects and >90% funds committed
- New appropriation \$625M
 - Offering \$375M during FY24-25 FIF Cycle
- New Application Cycle closed April 15, 2024, but Year-Round submittals available
- Flood Management Strategies (FMS) Board Approval Sep 2024, Final Apps due Nov 2024
- Flood Management Evaluations (FME) And Flood Mitigation Projects (FMP) under review



Flood Infrastructure Fund

Project Eligibility and Types

Project Eligibility

- Part of state flood plan
- Cost effective (construction)

Project Types- Must be RANKED in Regional and State Flood plan

- 1) FME- Drainage Studies, planning studies
 - 2) FMP- Acquisition, Design, and Construction projects
 - 3) FMS- Flood Warning, Education /Outreach, Emergency Action Plans
- *All project types allows for Federal Award Matching



Application Cycle

- **Bi-Annual Program**
- **Two Step Application Process**
 - ❑ **Abridge Application-**
 - ❖ Abridge applications are reviewed for eligibility
 - ❖ Priority Ranking (30-day comment period)
 - ❖ Approved by the TWDB Board
 - ❑ **Invited Applications**
 - ❖ Approximately two months to submit
 - ❖ All approved application requires TWDB Board Commitment approval
 - ❖ Closing- All agreement and/or Loan documents are executed

FEMA's Hazard Mitigation Assistance Programs

Texas Division of Emergency Management



HMGP

A **post**-disaster program funded by a Presidentially declared disaster

Texas Water Development Board



BRIC

A **pre**-disaster program funded by a 6% set aside from federal post-disaster grant funding



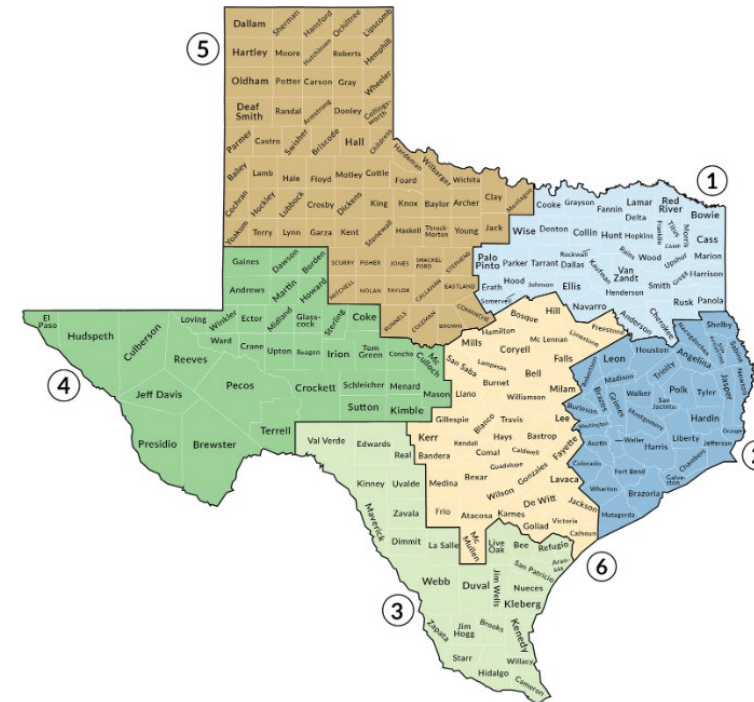
FMA

A **pre**-disaster program funded by annual appropriations

TDEM Points of Contact



Jennifer Charlton-Faia
Acting State Hazard Mitigation Officer,
Texas Division of Emergency Management
Phone:(512) 912-6704
TDEM-Mitigation@tdem.texas.gov



<https://www.tdem.texas.gov/regions>

Flood Mitigation Assistance



The screenshot displays the Texas Water Development Board (TWDB) website. At the top left is the TWDB logo. To its right is a search bar and social media links for Facebook, Twitter, LinkedIn, YouTube, Instagram, and Email. Below the header is a navigation menu with links: Home, Board, Financial Assistance, Water Planning, Groundwater, Surface Water, Flood, Drought, Conservation, Innovative Water, and Data & Apps.

The main content area features a section titled "FEMA Flood Mitigation Assistance Grant Program". Below this title is a blue-bordered box containing the following text: "The FY 2024 FMA grant cycle Notice of Funding Opportunity is anticipated to be posted on [grant.gov](https://www.fema.gov) in the fall of 2024. The application cycle will open shortly after that with \$600 million available nationwide. More information on the [upcoming cycle can be found here](#). TWDB encourages all communities interested in applying to [email TWDB staff](#)." Below this box is a map of Texas with a "View Dashboard" button.

To the right of the map is a sidebar with a list of "Upcoming Financial Assistance Workshops". The list includes: Agriculture Water Conservation Grants, Agriculture Water Conservation Loans, Asset Management Program for Small Systems, Clean Water State Revolving Fund, Drinking Water State Revolving Fund, Lead Service Line Replacement (LSLR) Program, Emerging Contaminants (EC) Programs, Economically Distressed Areas Program, and FEMA Flood Mitigation Assistance. Below the list is a "How to Apply?" section with links for "FMA Resource Library" and "Notice of Funding Opportunities". There is a dropdown menu labeled "Select One" and a "View Document" button. At the bottom of the sidebar are links for "FMA Swift Current", "Flood Infrastructure Fund (FIF)", and "Rural Water Assistance Fund".

At the bottom of the main content area, there is a paragraph: "The Flood Mitigation Assistance (FMA) grant program under the [Federal Emergency Management Agency \(FEMA\)](#), provides federal funding to help states and communities

<https://www.twdb.texas.gov/financial/programs/FMA/index.asp>



Four Corners of FMA



Provide federal funding to help communities pay for cost-effective measures to reduce or eliminate the long-term risk of flood damage



Reduce or eliminate claims under the NFIP to reduce or eliminate dependence on taxpayer-funded disaster assistance for recovery



Promote equity in delivering federal funds to disadvantaged communities, in alignment with the Justice40 initiative and EO 14008



Increase climate adaptation and resiliency in the face of more frequent flooding of socially vulnerable communities



The Infrastructure Investment and Jobs Act

appropriated **\$3.5 billion**
for FY 2022-2026



\$800 million in 2022
TWDB Received \$ 200M



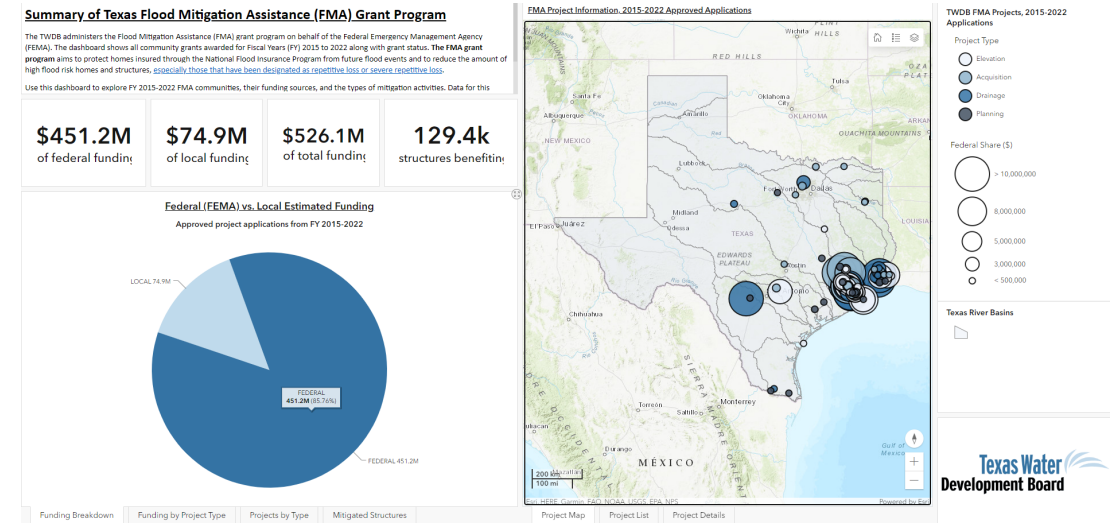
\$800 million for 2023
TWDB Received \$ 250M

Flood Mitigation Funding 2016-2023

FMA Funding for Texas Communities

FY	Federal Share (\$M)	Local Share (\$M)	Total Project Cost (\$M)
2016	33.4	1.5	34.9
2017	48.5	4.9	53.4
2018	29.5	3	32.5
2019	47.2	3.5	50.7
2020	63.9	10.2	73.8
2021	56.1	8.7	64.8
2022	197.6	50.4	248
2023	235.9	TBD	TBD
Total	712.1	82.2	794.3

FMA Dashboard



<https://twdb.maps.arcgis.com/apps/dashboards/7d734b7041d54d83a7f7654bcc10eb63>

FMA Eligibility Requirements

Eligible Sub-Applicants

- Local jurisdictions or political subdivisions
- Active participants in the NFIP
- Have a FEMA approved Hazard Mitigation Plan



Eligible Projects

- Reduce or eliminate risk of damage caused by flooding for **NFIP insured structures**
- Cost Effective (using FEMA approved methodology)
- Align with local hazard mitigation plan
- Meet all environmental regulations



Project Eligibility

Individual Flood Mitigation Projects

Elevate National Flood Insurance Program (NFIP) homes to mitigate future flood risks

Individual Flood Mitigation Projects

Acquire National Flood Insurance Program (NFIP) structures and maintain open space

Capability and Capacity Building (C&CB) Activities

Cultivate partnerships to plan for future whole-community flood mitigation initiatives

Localized Flood Risk Reduction Projects

Create a sustainable living shoreline

Localized Flood Risk Reduction Projects

Restore natural floodplain function

Localized Flood Risk Reduction Projects

Design nature-based solutions like a rain garden



FEMA

Federal Emergency Management Agency

21

Graphic courtesy of FEMAs FY 2023 NOFO Webinar



Preparing for Future Application Cycles

COMMUNITY

MITIGATION PLAN

SCOPE OF WORK

SCHEDULE

BUDGET

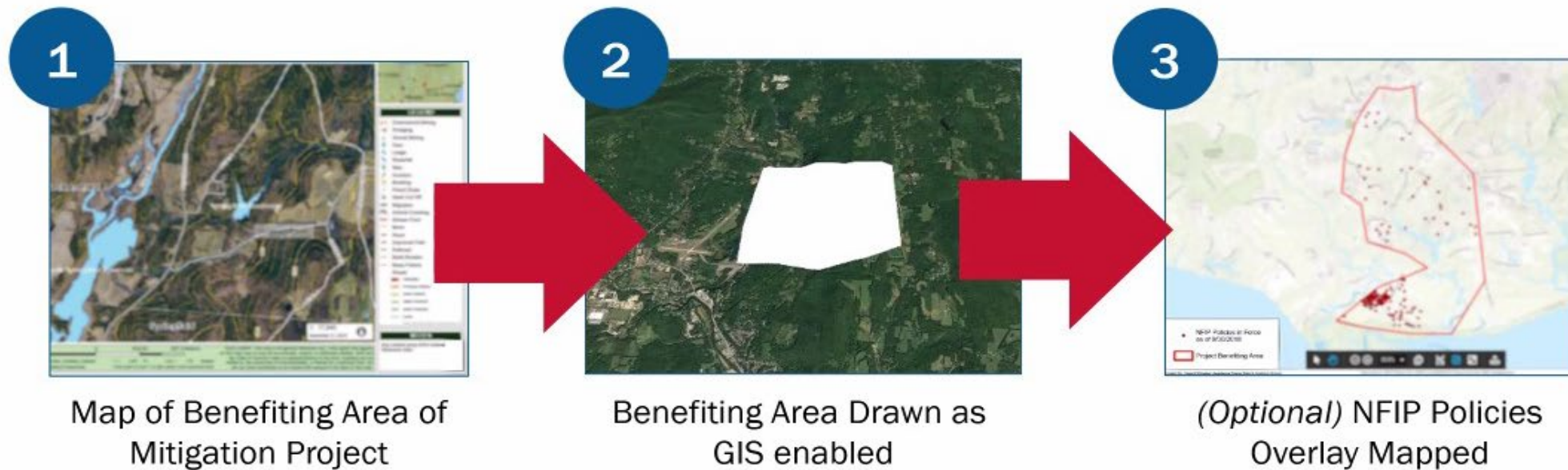
COST
EFFECTIVENESS

ENVIRONMENTAL/
HISTORIC
PRESERVATION
REVIEW

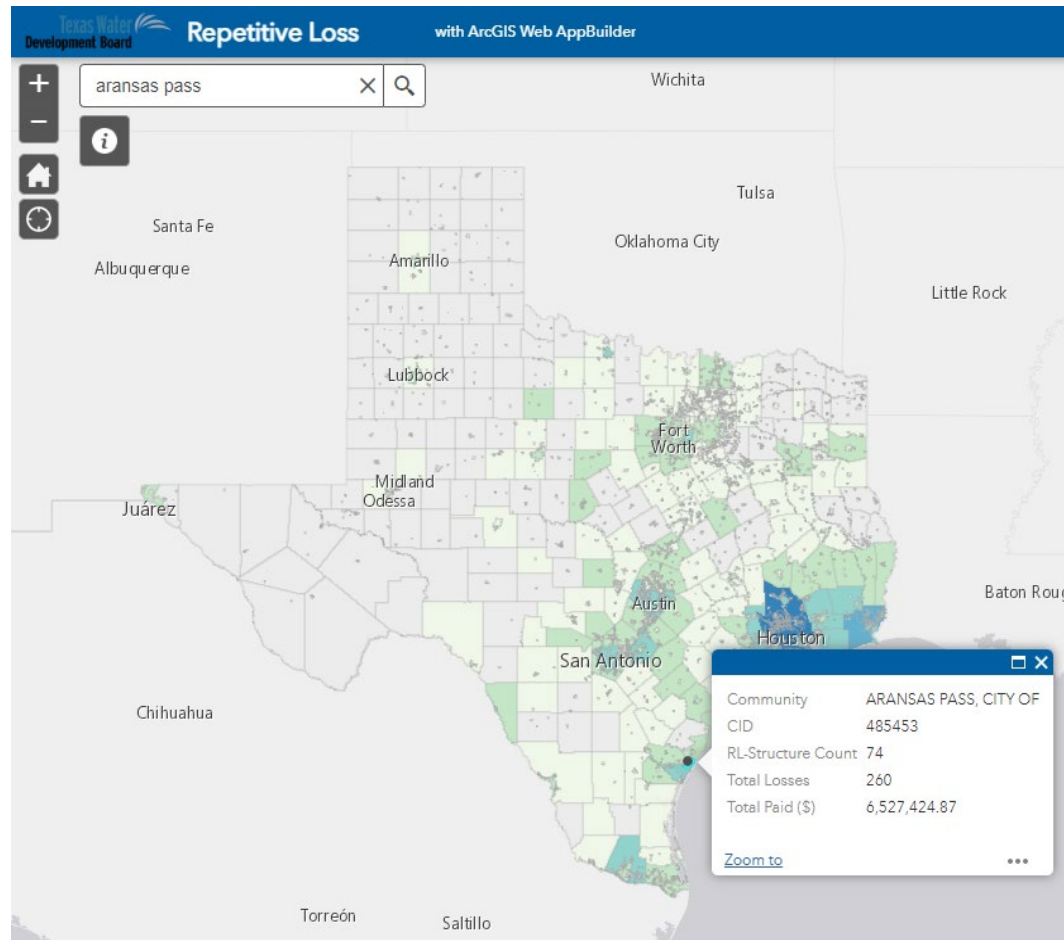
LOCATION

Geospatial Files

Capability and Capacity Building Activities-Project Scoping and Additional Capability and Capacity Building Activities priorities, and Localized Flood Risk Reduction Project subapplications must demonstrate that the proposed project benefits NFIP insured properties by submitting a map and associated geospatial file(s) (e.g., shapefile, Keyhole Markup Language(KML/KMZ), geodatabase, list of census tracts, or other geo-enabled documents)



How to get NFIP Information



Request for Hazard Mitigation Data Personally Identifiable Information (PII)

INSTRUCTIONS FOR USING THIS TEMPLATE

Copy the template below on **community's official letterhead** for submission. The format of the template can be modified as needed. Update the highlighted sections of the cover letter, then complete the table below. *Omitting highlighted or requested information may delay the processing of the ISAA request.*

Please complete the following steps.

Step 1. The format of the template can be modified as needed. Input appropriate information in the **highlighted** sections of the cover letter.

Step 2. Complete the attached information form. Omitting highlighted or requested information may delay the processing of the ISAA request.

Step 3. Once you have filled out the form and placed the letter on "Official Letterhead" along with information form, email the letter and form to:

To: JohnE.Bowman@fema.dhs.gov
cc: Kathy.Hopkins@twdb.texas.gov

Upon receipt of your email to the above email address, a FEMA representative will reply, acknowledging receipt of your request. A FEMA representative will follow up with you to ask any additional or clarifying questions, to ensure your request is met in a timely and accurate fashion.

Request for NFIP Policyholder Personally Identifiable Information (PII)

<https://www.twdb.texas.gov/flood/grant/index.asp>



Benefit Cost Analysis (BCA)



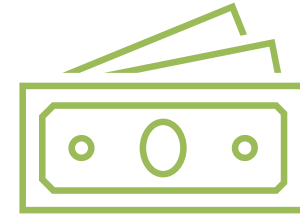
FEMA's BCA Toolkit 6.0

Modeled Damages Data Needs

- H&H studies pre & post mitigation
- Building/structure data- Lowest floor elevation, square footage, etc.

Historical Damages

- At least 3 events within 30 years and \$ value lost (or 1+ events each with a known Recurrence Interval)



Streamlined BCA Methodology

Projects <\$1 Million- BCA Memo

Using Pre-Calculated Benefits:

- \$360K for Demolitions in the SFHA or designated RL/SRL
- \$228K for Elevations in the SFHA
- Substantially Damaged Structures



Application Period

Grants.gov
FEMAGO.gov



Nationally Competitive			
NOFO Published	Application Opens: 30 days from NOFO	State Deadline: 2 mon. before application deadline	Application Deadline

TWDB Webpage



FMA PROGRAM
DETAILS



INFORMATION
NEED BY PROJECT
TYPE



IMPORTANT GRANT
APPLICATION
DEADLINES



TRAINING
OPPORTUNITIES



ACCESS TO
FEMAGO



TECHNICAL
ASSISTANCE

<https://www.twdb.texas.gov/financial/programs/FMA/index.asp>

TWDB Technical Assistance



Present at public meetings and outreach

With application development

Assist with and review the BCA

Review application and provide feed back

Facilitate and coordinate with FEMA's review

Provide project management support after federal award



Flood Mitigation Assistance (FMA) Swift Grants

Requires Federal Flood Disaster Declaration

- **Subapplicant Eligibility**

- NFIP community
- FEMA-approved local or tribal hazard mitigation plan

- **Project Eligibility**

- NFIP Insured Structures
- Cost Effective (construction)

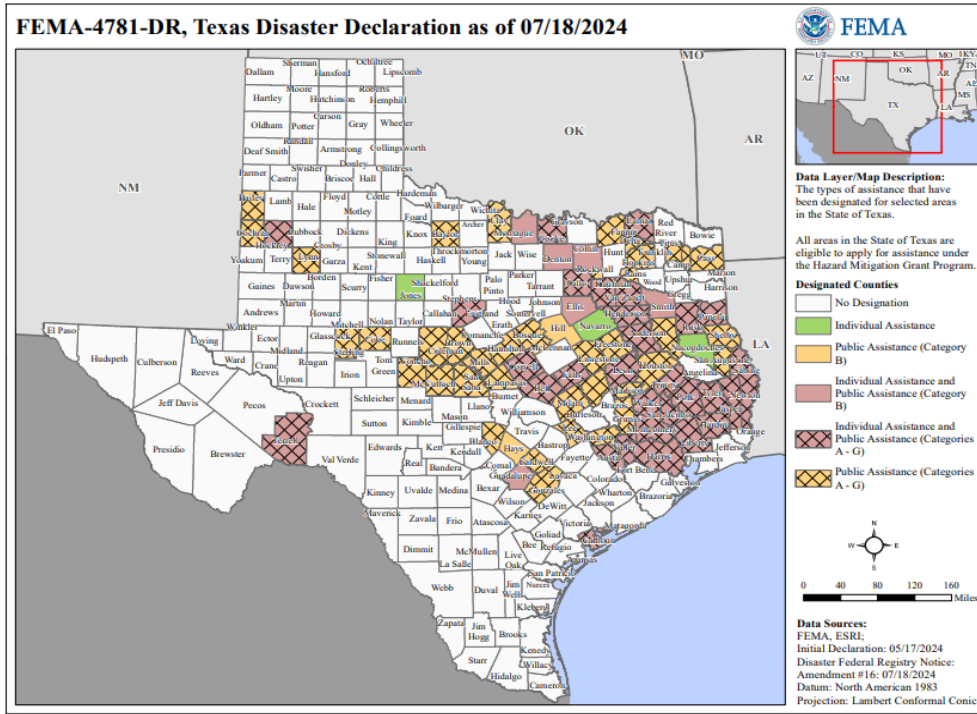
- **Project Types**

- Individual Flood Mitigation
 - ❖ Acquisition/Demolition
 - ❖ Elevations
 - ❖ Mitigation Reconstruction
- Phased
 - ❖ Communities having received IA & PA
 - ❖ Highest # of claims

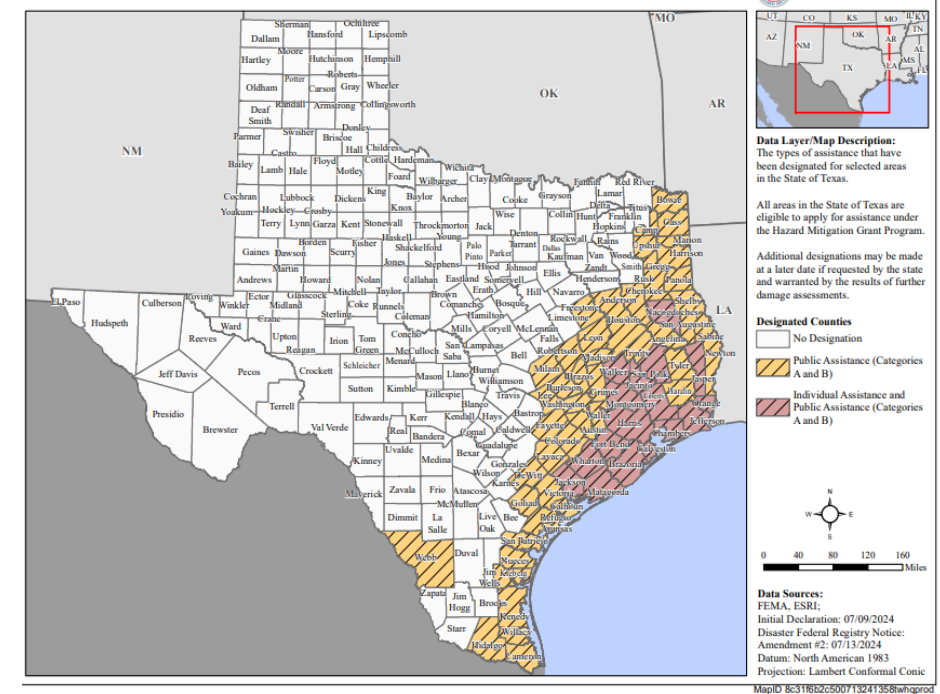
FMA Swift Grants

NOFO FY 23, ~\$200M nationally

- Based on pre-set metrics, each state may receive between \$5 to \$40M in funding per disaster
- DR-4781-TX (Apr 26-Jun 5, 2024) - First federal flood disaster in TX since Hurricane Laura (2020)
 - FEMA allocated TX \$40M for FY23
 - Statewide application due to FEMA Nov 18, 2024



FEMA-4798-DR, Texas Disaster Declaration as of 07/13/2024



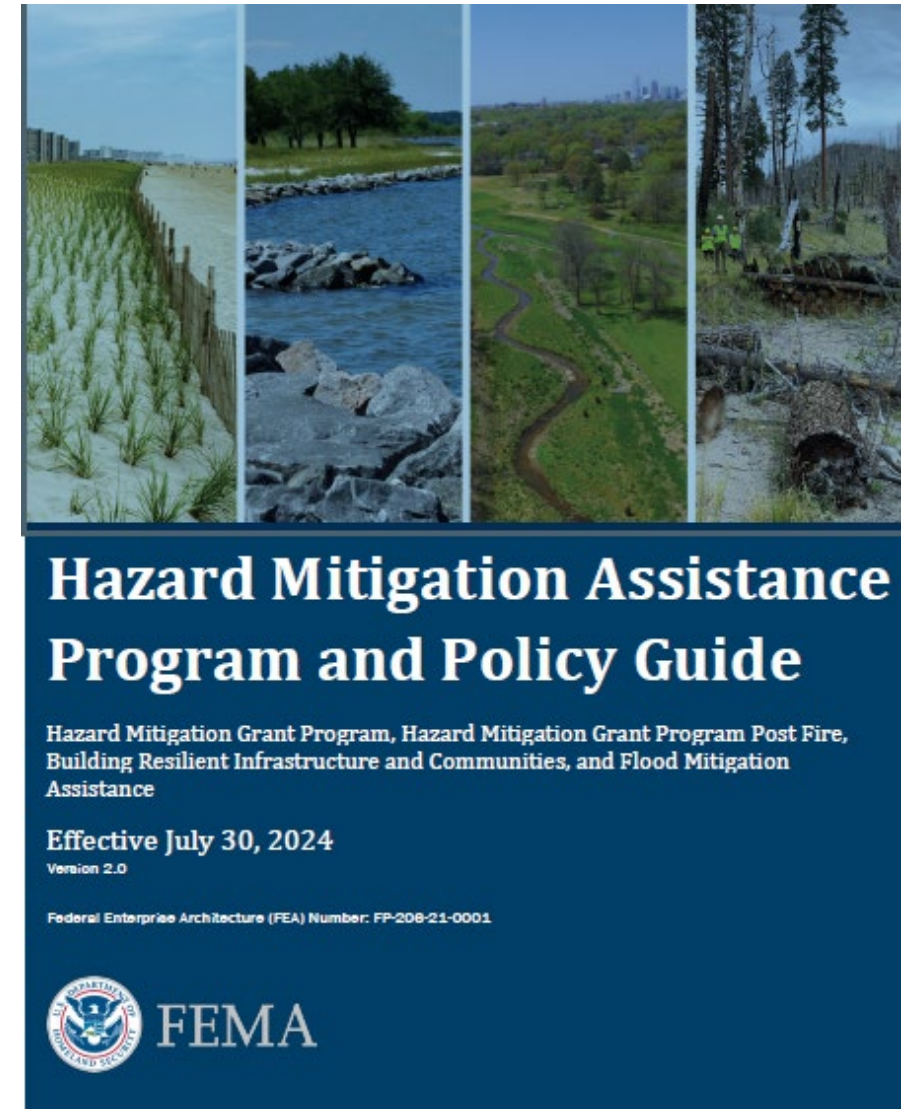
NOFO FY24, ~\$300M nationally

- Based on pre-set metrics, each state may receive between \$5 to \$40M in funding per disaster
- DR-4798-TX (July 5-9, 2024) – Hurricane Beryl
 - FEMA allocated TX \$40M for FY 24
 - Statewide application due to FEMA February 10, 2025

FEMA Resources

FEMA

- [Flood Mitigation Assistance Grant Program](#)
 - 2024 Hazard Mitigation Assistance Guidance
 - FEMA Grants Outcome (FEMA GO)
 - Webinars/Training
 - Hazard Mitigation Plans
 - Notice of Funding Opportunity





Additional Funding at TWDB

State Water Implementation Fund for Texas (SWIFT)

- Helps communities develop cost effective water supplies by providing low-interest loans, extended repayment terms, deferral of loan repayments, and incremental repurchase terms.

State Revolving Fund (SRF)

- Drinking Water SRF: Projects that facilitate compliance with Drink Water Standards
- Clean Water SRF: Projects that facilitate compliance with the federal Clean Water Act

Texas Water Development Fund (DFund)

- A streamlined state loan program that provides financing for various types of infrastructure projects. This program enables TWDB to fund project enables TWDB to fund projects with multiple purposes (e.g., water and wastewater) in one loan.

Agricultural Water Conservation

- Provides grant and loan programs to provide financial assistance for agricultural water conservation projects in Texas.



TWDB Flood Grants Contacts

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**For flood grant related questions,
contact us at
floodgrant@twdb.texas.gov**