

SFY 2024-2025 Flood Infrastructure Fund

Abridged Application

Due 4/15/2024 at 11:59pm CDT
Email to FIF@twdb.texas.gov

By submitting this Abridged Application, you understand and confirm that the information provided is true and correct to the best of your knowledge and further understand that the failure to submit a complete Abridged Application by the stated deadlines, or to respond in a timely manner to additional requests for information, may result in the withdrawal of the Abridged Application without review. Please reference the [SFY 2024-2025 Flood Infrastructure Fund \(FIF\) Intended Use Plan \(IUP\)](#) for further explanation of all information and questions included herein.

GENERAL INFORMATION

Entity Name		
Nueces River Authority		
Entity Type (City, County, District, etc.)		
River Authority		
Primary Contact - Who should TWDB contact with questions during the review of this submission?	Name	James Bronikowski, PE, CFM
	Title	Group Leader / Project Manager
	Phone	512-381-8334
	Email	jbronikowski@ardurra.com

PROJECT INFORMATION

Project Name (as Referred to by Applicant)	Nueces Basin Flood Early Warning System
Regional Flood Planning Area (01-15)	13
Indicate Type: FME/FMP/FMS under 31 TAC § 361.10 (Only one type per abridged application)	☒ FME ☐ FMP ☐ FMS
Full Name of FME/FMP/FMS as presented in the Regional Flood Plan	Nueces Basin Early Flood Warning System
Unique 9-digit FME/FMP/FMS ID (Example: 013000001) from the associated Regional Flood Plan	131000174
Is the geographic scope, project scope, and all the expected benefits of the project in this abridged application the same as those presented in the Regional Flood Plan? See the online link to review the associated project information and data. FME List FMP List FMS List Project scopes and claimed project benefits will be verified against the actual projects in the Regional Flood Plan during the application process. Any projects that are subsequently found to diverge from the information presented in this Abridged Application may be subject to reprioritization and/or removal from the prioritization list, regardless of their initial prioritization. Therefore, it is important that all project information be presented accurately in this abridged application.	☒ YES ☐ NO If 'NO', please explain below why and generally explain how the project scope and/or benefits are different than what is presented in the Regional Flood Plan. If 'NO', applicant <u>must</u> also fill in Attachment No. 3 with all project information including the items that are different compared to the information presented in the Regional Flood Plan.
NOTE: Regional flood planning data included in the draft FIF IUP materials, including associated with the abridged application, is not final and remains subject to change based on the final, Board-approved Regional Flood Plans.	
NOTE: Abridged Applications submitted with partial projects from the regional flood plan will be considered ineligible for the FIF (except for phased projects).	

FEDERAL AWARD MATCHING FUNDS

Requesting Federal Matching Award Funds?	☐ YES ☒ NO
Name of Federal Grant Program	N/A
Date of Federal Application Submission	N/A
Date of actual or anticipated selection or award	N/A
<u>NOTE: Federal application must have been submitted by Abridged Application submission date, and federal funds must be awarded by TWDB commitment date.</u>	

BUDGET DETAILS

Financing Requested from Federal Sources - Federal Agency Name: Click or tap here to enter text. - Disaster Number (if associated with disaster funding): Click or tap here to enter text.	\$0
Financing from Other Sources (Examples: All cash/loan/bond proceeds/non-federal grants, etc.)	\$68,750
Amount Requested from TWDB	\$206,250
Total Project Cost (Federal Funds + Other Sources + TWDB Request)	\$275,000

MINIMUM STANDARDS

Only projects that satisfy all minimum standards will be included in the prioritization. The numbered minimum standards reference the corresponding standard within the IUP.

CHECKLIST	MINIMUM STANDARDS
☒	<u>Regional Flood Plan</u> The project is specifically recommended in the corresponding Regional Flood Plan; the associated, unique, 9-digit ID and name has been provided; and any deviations in the benefits or geographic or other scope of the abridged application from the project that is presented in the Regional Flood Plan are noted, explained, and changed data provided in the associated Attachment No. 3.
☐ OR ☒	<u>1. Benefit/Cost Ratio (BCR)</u> For construction-oriented projects, including those with only planning, acquisition, and design (PAD) phases, the benefit-cost ratio (BCR) of the proposed project is ≥ 1.0, or the applicant must provide a detailed explanation for why the applicant considers the project to be justified, including a discussion of the primary benefits of the project, if any, that could not be quantified and were therefore not included in the BCR calculation. Please provide the following: - A description of the BCA methodology (See example templates here, including the specific analysis tool and version used). - Documentation of assumptions/parameters used to generate the BCA. - A detailed BCA calculation. Applicant must provide all digital input files for BCA (e.g., Excel BCA Input Tool Run or additional calculations used in Excel or other formats) - Identify and explain the responsible party for operation and maintenance (O&M) of the infrastructure and from what funding source O&M will be provided. O&M costs should be included within the BCA. <u>OR</u> N/A for FME Category, FMS Category, and potentially federal award matching fund projects (See the “Federal Award Matching Funds” section of the IUP for details).
☐ OR ☒	<u>2. Memorandum of Understanding (MOU)</u> If the project is a flood control project (as defined in 31 TAC § 363.402(3)), and the project watershed is partially located outside the political subdivision making the application, attach the following information: - A list of all eligible political subdivisions that will be required to approve and sign an MOU (all eligible political subdivisions, as defined in the IUP, within the project watershed). - A certification that the applicant has provided a copy of the proposed MOU and an adequately detailed description of the proposed project to all eligible political subdivisions on the list. - PDF maps and GIS/KMZ files for all proposed project components and all boundaries for cities, districts, etc. within the proposed project watershed area. <u>OR</u> N/A for projects that are not flood control projects, including FMEs, or projects where the project watershed lies wholly within the applicant’s boundaries.
☒ AND ☒	<u>3. Affidavit</u> (a) The applicant has acted cooperatively with other political subdivisions to address flood control needs in the area in which the eligible political subdivisions are located; and all eligible political subdivisions substantially affected by the proposed flood project have participated in the process of developing the proposed flood project. <u>AND</u> (b) Applicant is aware of the affidavit requirements for the full/complete application and has or will fulfil all applicable requirements
☒	<u>4. Redundant Funding</u> The funding request does not include redundant funding for activities already performed and/or funded through another source.
☐ OR	<u>5. National Flood Insurance Program</u> (a) The area to be benefitted by the proposed project has floodplain management ordinances in place and the appropriate entity is currently enforcing floodplain management standards at least equivalent to the National Flood Insurance Program (NFIP) minimum standards. <u>OR</u>

CHECKLIST	MINIMUM STANDARDS
☒	(b) Requesting funds to fulfill additional requirements for participation in the National Flood Insurance Program.
☒	6. Best/Most Recent Available Data The proposed project was developed using the best and most recent available data.
☐ OR ☒	7. Request for Constructions Funds (a) Operations and maintenance (O&M) costs associated with proposed facilities have been considered; AND, (b) Floodwater capture techniques have been considered. OR N/A for projects that are not requesting construction funds.
☒ OR ☐	Additional Requirements for Flood Management Evaluation (FME) Category Applicant is aware that prior to the complete application, but not prior to the submittal of the abridged application, applicants must notify all cities, counties, non-profit water supply corporations, regional planning agencies, regional water planning groups, and all districts and authorities created under the Texas Constitution, Article III, Chapter 52, or Article XVI, Chapter 59, in the planning area by certified mail that an application for planning assistance is being filed with the TWDB. OR N/A for projects that do not fall within the Flood Management Evaluation (FME) Category.
☐ OR ☒	Additional Requirements for Flood Management Strategy (FMS) Category The following is required in the abridged application for FMS Category non-study funding applications, which include construction-oriented projects and implementation projects, such as regulatory changes, flood warning improvements, emergency action plans, and education campaigns: • Detail of the current flood risk in the project area. • Detail of the revised flood risk of the project area if the project is constructed/implemented. • The level of protection (i.e., 4%, 2%, 1% annual chance storm events) provided by the proposed project must be reported, when possible. For example, some implementation projects (like regulatory changes) may have defined levels of protection, others (like education campaigns) may not. The following is required in the abridged application for roadway construction-oriented projects: • Roadway classification • Traffic count • Detour distances • Accident data • Inundation risk including depths and velocities during 50%, 10%, 4%, 2%, 1% and 0.2% annual chance storm events. The following is required in the abridged application for Flood Early Warning Systems (FEWS) construction-oriented projects: • Quantitative information on the population impacted. OR N/A for projects that do not fall within the Flood Management Strategy (FMS) Category.

DESCRIPTION OF PROPOSED PROJECT

Please be sure this description includes all major project components and clearly states what the project seeks to accomplish.

The Nueces River Authority (NRA) is requesting financial assistance to conduct a flood planning study to assess the feasibility of implementing a flood early warning system (FEWS) for the Nueces River basin. The proposed study scope of work would include tasks for project management, analysis of existing FEWS within the basin, identification of coverage gaps and potential FEWS station locations, evaluation of potential systems and integration, and other tasks necessary to determine the feasibility of a basin wide FEWS. This proposed study aligns with FME_ID 131000174 "Nueces Basin Early Flood Warning System" as recommended in the Amended 2023 Region 13 Nueces Regional Flood Plan.

While the NRA does not have authority to enact or enforce floodplain management standards, most to all communities within the Nueces River basin have ordinances in place equivalent to NFIP minimum standards and appear to be currently enforcing those standards as documented in Chapter 3 of the Amended 2023 Region 13 Nueces Regional Flood Plan. The Authority will work with the TWDB, as practical, to encourage those communities without NFIP equivalent minimum standards in place to adopt floodplain ordinances or orders as applicable.

INFORMATION FOR GRANT FUNDING - Provide information for the applicable level of grant funding.

Flood Management Evaluation¹ (FME) Category:

Grant Qualifier	Applicant Response
What is the AMHI (weighted average based on population) of the project area? If requesting grant funds that rely on a calculation of the AMHI, then <u>attach the calculation</u> of the weighted average amounts for the project area based on the applicable U.S. Census Bureau geographic areas, such as County, Place (City), Census Tract, or Block Group using the ACS data sources described in the IUP.	\$60,818

Flood Mitigation Project² (FMP) and Flood Management Strategy³ (FMS) Categories:

Grant Qualifier	Applicant Response
What is the AMHI (weighted average based on population) of the project area? If requesting grant funds that rely on a calculation of the AMHI, then <u>attach the calculation</u> of the weighted average amounts for the project area based on the applicable U.S. Census Bureau geographic areas, such as County, Place (City), Census Tract, or Block Group using the ACS data sources described in the IUP.	N/A
For consideration as a Rural Applicant: Are you an eligible entity based on the definition below? If so, please identify the applicable category below or provide an explanation under (D): (A) a nonprofit water supply or sewer service corporation created and operating under Chapter 67 of the Texas Water Code or a district or authority created under Section 52, Article III, or Section 59, Article XVI, Texas Constitution, no part of the service area of which is located in an urban area with a population of more than 50,000; (B) a municipality: (i) with a population of 10,000 or less; or (ii) located wholly in a county in which no urban area has a population of more than 50,000; (C) a county in which no urban area has a population of more than 50,000; or (D) an entity that: (i) is a nonprofit water supply or sewer service corporation created and operating under Chapter 67 of the Texas Water Code, a district or authority created under Section 52, Article III, or Section 59, Article XVI, Texas Constitution, a municipality, county, or other political subdivision of the state, or an interstate compact commission to which the state is a party; and (ii) demonstrates in a manner satisfactory to the board that the entity is rural or the area to be served by the project is a wholly rural area despite not otherwise qualifying under Paragraph (A), (B), or (C).	N/A
For consideration as a Green or Nature-Based project: What is the percentage of total project costs that are considered green or nature-based? <u>The calculation must be attached.</u>	N/A

¹ 31 TAC § 361.10 Flood Management Evaluation (FME)--A proposed study to identify and assess and quantify flood risk or identify, evaluate, and recommend flood risk reduction solutions.

² 31 TAC § 361.10 Flood Mitigation Project (FMP)--A proposed project, both structural and non-structural, that has a non-zero capital costs or other non-recurring cost and that when implemented will reduce flood risk, mitigate flood hazards to life or property.

³ 31 TAC § 361.10 Flood Management Strategy (FMS)--Flood risk reduction solution ideas and strategies that do not belong in FME or FMP categories. Examples may include regulatory enhancements, development of entity-wide buyout programs, and public outreach and education.

SELECT QUESTIONS FOR PRIORITIZATION CRITERIA

Criteria	Applicant Response
<u>TIEBREAKER: Social Vulnerability Index (SVI)</u>	Average SVI of benefitting area: 0.9130 Geographic basis: ☐ Census Tracts ☒ Counties <i>Please attach a list of the selected geographies and an explanation of why they were selected.</i>

ADDITIONAL INFORMATION FOR THE FLOOD INFORMATION CLEARINGHOUSE COMMITTEE

This form is not required for submittal of a SFY 2024-2025 FIF Abridged Application.

Responses to the following questions, along with other information included in this Abridged Application, will be shared with the Flood Information Clearinghouse Committee (FLICC). The FLICC is a cooperative effort between the TWDB, General Land Office (GLO), Texas Division of Emergency Management (TDEM), and other state and federal agencies that administer flood mitigation financial assistance programs. After review by the FLICC, the applicant may be advised on other available funding opportunities for this project and given instructions on how to apply to relevant programs.

Please visit the FLICC website for more information: www.texasfloodclearinghouse.org

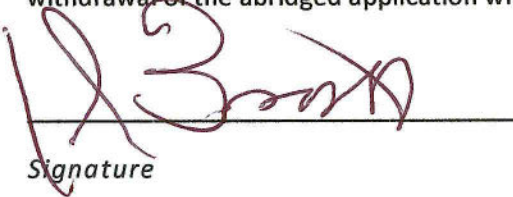
Type of Assistance Requested (Check all that apply):	☐ Low Interest Loan ☐ Grant ☒ Loan/Grant Combination ☐ Local Match for Federal Funding
Is the application requesting funds for the local cost share of a federally funded project? If yes, what is the name of the program?	☐ Yes, Name of program: ☒ No
Associated FEMA disaster name and number (if applicable).	
County(ies) in which the project is located.	
Does the applicant have an approved Hazard Mitigation Plan?	N/A
Is the community to be served by the project in good standing with the National Flood Insurance Program (NFIP)?	Yes
Will this project involve enlargement of a dam or levee beyond the original footprint of the structure that existed prior to a disaster event?	No
Will this project mitigate a repetitive or severe repetitive loss property?	N/A

ATTACHMENT CHECKLIST

Complete	N/A	Attachment Description
☐	☒	<u>Benefit-Cost Ratio</u> – BCR required information (See “Minimum Standards”).
☐	☒	<u>Memorandum of Understanding</u> – MOU required information (See “Minimum Standards” and Attachment No. 1).
☒	☐	<u>Maps</u> – Maps detailing project or study area boundaries, all proposed project components, HUC12, and all boundaries for cities, districts, etc. within the proposed project watershed area (See “Minimum Standards”): • FME Category: PDF maps and GIS files must be submitted. • FMP Category: PDF maps and GIS/KMZ files must be submitted. • FMS Category: PDF maps and GIS/KMZ files must be submitted.
☐	☒	<u>National Flood Insurance Program</u> – A pdf copy of (or a link to) ordinances demonstrating the area to be primarily benefitted by the proposed project has floodplain ordinances in place at least equivalent to NFIP minimum standards (See “Minimum Standards”).
☐	☒	<u>National Flood Insurance Program</u> – Certification on enforcing floodplain management standards for all applicable areas (See Attachment No. 1).
☒	☐	<u>Best/Most Recent Data</u> – Documentation indicating the best/most recent data was used in the development of the proposed project (See “Minimum Standards”). This proposed project was further developed and recommended through the State of Texas Regional Flood Planning process which utilized the best/most recent data available.
☒	☐	<u>Average Median Household Income</u> – If requesting grant funds that rely on a calculation of the AMHI, then attach the calculation of the weighted average amounts for the project area based on the applicable U.S. Census Bureau geographic areas such as County, Place (City), Census Tract, or Block Group and the ACS data sources described in the IUP (See “Information for Grant Funding”).
☒	☐	<u>Social Vulnerability Index</u> – List and explanation of geographies used to determine average SVI (See “Select Questions for Prioritization Criteria”).
☐	☒	<u>Federal Award Matching Funds Projects Only</u> - Documentation of an existing federal award pending availability of local match or submission of application for federal award (See “Project Information”).
☐	☒	<u>Construction Projects Only</u> – Description of the anticipated funding source for operations and maintenance costs (See “Minimum Standards”).
☐	☒	<u>Flood Management Strategy Category Only</u> – Additional required information for FMS Category (See “Minimum Standards”).
☐	☒	<u>For Green or Nature-Based Projects Only</u> – Documentation showing the calculation of the total project costs that are considered green or nature-based (See “Information for Grant Funding”).
☒	☐	<u>Optional Item</u> – Additional Information for the Flood Information Clearinghouse Committee (FLICC) (See “Additional Information for the Flood Information Clearinghouse Committee”).

SUBMITTAL

I, John J. Byrum II, Executive Director, as the designated authorized representative of the Nueces River Authority, hereby approve and authorize the submission of this abridged application to the Texas Water Development Board. I certify that all information contained herein is true and correct to the best of my knowledge, that all minimum standards applicable at this stage of submission for the proposed project have been met, and that all required attachments have been included. I understand the failure to submit a complete abridged application by the stated deadlines may result in the withdrawal of the abridged application without review.



Signature

ATTACHMENT 1: CERTIFICATIONS

Certification on MOUs (See Minimum Standard No. 2) If no MOUs will be required, check here: ☐	I, _____ (Name), serving as _____ (Title) hereby certify that _____ (Applicant) has provided all eligible political subdivisions, that will be required to submit a Memorandum of Understanding, a copy of their proposed Memorandum of Understanding and an adequately detailed description of the proposed project. _____ Signature Date
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Certification on Enforcing Floodplain Management Standards (See Minimum Standard No. 5) Exception: The <u>only</u> exception is an entity that is requesting FIF funding to fulfill additional requirements for participation in the National Flood Insurance Program. If this is the situation, check here: ☐	I, _____ (Name), serving as _____ (Title) hereby certify that _____ (Appropriate entity for area to be served by the project) is currently enforcing floodplain management standards at least equivalent to National Flood Insurance Program (NFIP) minimum standards, but those may exceed the NFIP minimum standard. _____ Signature Date
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CERTIFICATION OF CONSISTENCY
(for construction or acquisition projects)

Please print, completely fill out, obtain signature, and submit this form electronically with the application.

I hereby certify that the above application/project is consistent with the goals and policies of the Texas Coastal Management Program as approved by the National Oceanic and Atmospheric Administration.



4.15.24

Signature and Title of Authorizing Official

Date

GLO Use Only

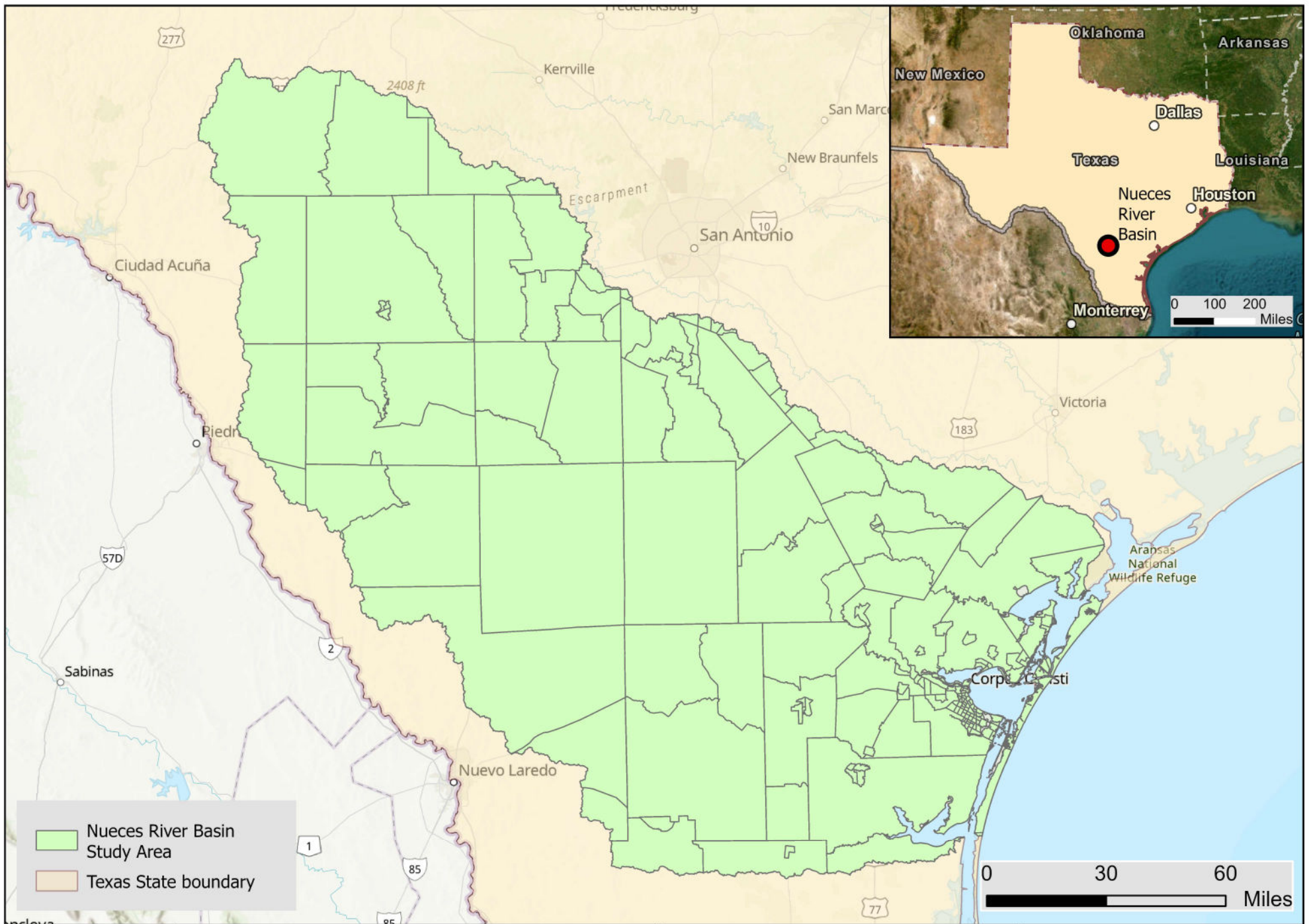
I hereby acknowledge that documentation for this project, including copies of required permits and other authorizations, will be maintained in the state's files. I also certify that construction or acquisition will not begin until this documentation has been obtained. Furthermore, these files may be subject to review during CZMA §312 evaluations. Failure to maintain these files may result in the deobligation of federal funds and/or the requirement, by Ocean and Coastal Resource Management, to return to submitting all documentation prior to federal funding of CZMA §306A activities.

CMP Authorizing Official

Date

TWDB-0172
Rev 03/24

Frankie Larue Kruckmeyer
Notary Public, State of Texas



FME_ID:
131000174

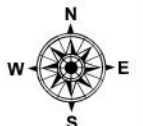
Date: April 2024

Nueces River Authority FIF Abridged Application FME Study Area



7500 Rialto Blvd, Bldg. 1, Suite 240
Austin, Texas 78735
Phone: (512) 381-8333
www.ardurra.com

Disclaimer: This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.



Entity Name:	Submission Date	Does your entity have floodplain management regulations?	Has your organization adopted minimum regulations pursuant to Texas Water Code Section 16.3145?	What standards or regulations does your community or jurisdiction use to protect the floodplain and/or encourage disaster resistant development/design? What are your minimum standards for: floodplain management, disaster resistant building codes, other ordinances? (Select all that apply)	Higher standards adopted	How would you gauge the level of enforcement of floodplain management practices?	Is there an existing stormwater or drainage fee?	Web link to entity regulations	Are these flood regulations in the process of being updated/change d?	Which of the following describes your local funding sources for flood management activities? (Select all that apply)	Over the next ten years, what specific challenges does your community or jurisdiction face regarding managing any potential increase in flood risk in your jurisdiction? Include challenges such as funding, project identification, training, resources, etc.	Does your jurisdiction have access to the necessary training and educational resources for floodplain management?	Please explain your jurisdiction access needs.	Has your city/county identified short term (10 year) floodplain management goals? If yes, please describe goal and extent of area that it applies to.	Has your city/county identified long term (30 year) floodplain management goals? If yes, please describe goal and extent of area that it applies to.
Aransas County	2021/07/30 17:41:58	Yes	Yes	National Flood Insurance Program (NFIP) minimum requirements only Local Floodplain ordinance with higher standards (greater than NFIP)		Moderate	No	https://www.aransascountytx.gov/	Yes	Bond Program Special Tax Districts Permitting Fees	Sea-level rise, project identification, resources (namely staff - more full-time employees are needed both for maintenance of drainage infrastructure and for code enforcement), inconsistent regulations and methods for drainage between County and municipalities within the county	No	More staffing for public outreach and code enforcement; assistance in coordinating regional drainage standards and projects	Protect existing resources through regulatory standards; utilize the CRS to incentivize higher floodplain management standards; create comprehensive Public Information Plan; protect property through mitigation measures	Create a coordinated infrastructure plan for all jurisdictions
Bandera County	2021/08/06 07:14:21	Yes	Yes	National Flood Insurance Program (NFIP) minimum requirements only		Moderate	No	www.banderacountytx.gov/	No	Permitting Fees		Yes			
Bexar County	2021/07/15 14:54:29	Yes	Yes	Local Floodplain ordinance with higher standards (greater than NFIP)		Moderate	No	Not Available on	Yes	General Fund Permitting Fees	Funding related to projects to remove dangerous roadway crossings and floodplain impacts on private property; Funding related to having staffing to inspect and enforce the Floodplain Damage Prevention Court Order to including having attorneys with the District Attorney's Office dedicated to prosecuting floodplain violators; Lack of stiff penalties for individuals who violate the Court Order	Yes		Bexar County identifies projects on a continuing basis. Approximately \$2 million/yr is delegated to projects that can be completed in a short time frame with a high cost/benefit ratio. Higher dollar/long term projects are slated for future multi-year bond projects.	
City of Beeville	2021/07/17 19:06:34	No	No	National Flood Insurance Program (NFIP) minimum requirements only		Low	No	NO	No	General Fund	Funding and community awareness and buy-in from the community	No	Routine training on floodplain management and best practices		
City of Bishop	2021/07/13 15:58:07	Yes	Yes	National Flood Insurance Program (NFIP) minimum requirements only		Moderate	No	www.cityofbishoptx.gov/	Yes	We do not have a local funding source for flood management activities	Funding plays a huge part for the city the only improvements the city can make is with grant funds.	No	The city is in desperate need of dredging 2 creek beds located on either side of town. 1 creek bed is located by city park and the other on the Hackberry Ditch. Both of these areas carry runoff from the county and neighboring county.	We have a flood management plan that is included with Nueces County but for some reason the creek beds weren't included and this is our only drainage for the city.	Yes, we are included in Nueces County's floodplain management plan, but drainage issues were left out from the current plan.
City of Corpus Christi	2021/07/13 10:17:40	Yes	Yes	Local Floodplain ordinance with higher standards (greater than NFIP)		High	No	https://library.municode.com/tx/corpus-christi/city_code	No	Storm Water Fund	Funding, getting local builders & developers in tune with our vision, enough educational materials and trainings for public.	No	We have 1 person on our staff to handle floodplain issues/questions/concerns and would love to have as much training & educational resources as possible.	In the process of doing that.	In the process of doing that
City of Cotulla La Salle	2021/08/05 09:54:14	Yes	Yes	National Flood Insurance Program (NFIP) minimum requirements only		Low	No	municode.com	Yes	General Fund	funding and training; Map revision of main floodways	No	lack of training and resources	Beginning initial studies to create new LOMOR for main drainage area of City.	no
City of Gregory	2021/08/02 12:49:35	Yes	No	National Flood Insurance Program (NFIP) minimum requirements only Local Floodplain ordinance with higher standards (greater than NFIP)		High	No	N/A	No	General Fund Permitting Fees Ad Valorem Tax		Yes	our current need will be opening drainage ditches and installation of culverts to carry the storm water to relief the low line areas	Yes will have allocated funding for the drainage culverts within the community through our Drainage District with anticipation of curb and gutters	goals will be to have all streets with curb and gutters
City of Hondo	2021/08/05 15:07:40	Yes	Yes	National Flood Insurance Program (NFIP) minimum requirements only Disaster Resistant Building Codes Designated design storms (design for a specific storm event)		Moderate	No	https://z2.franklincountytexas.gov/	No	General Fund We will research this and provide additional information if there are other funds available.	Funding, project identification, training, and staff time/resources are all challenges faced for floodplain management. The City has a large floodplain, some of which does not have a defined floodway. The area needs to be restudied and the City needs to develop a comprehensive stormwater management plan, but these actions require significant funding and staff time to manage.	Yes	We do have access to educational resources. We struggle with allocation of staff time for such training opportunities.	Not officially at this time. Generally speaking the City needs to create a stormwater management plan and drainage study which incorporates a restudy of the City's floodplain. There have been improvements to the bridges that run under the Union Pacific Railroad, so a subsequent restudy would improve the accuracy of our floodplain management.	
City of Ingleside	2021/07/09 11:47:29	Yes	Yes	Local Floodplain ordinance with higher standards (greater than NFIP) Disaster Resistant Building Codes Designated design storms (design for a specific storm event)		High	No	https://library.municode.com/tx/ingleside/city_code	No	General Fund Bond Program	New development not creating new issues and requiring new development to include surrounding area drainage in their engineered drainage plans; Funding can be challenging in any situation.	Yes		The City of Ingleside is currently working on a drainage master plan that will identify troublesome areas; An increase in the freeboard from 12" to 18" is being considered	
City of Leakey	2021/08/05 14:26:08	Yes	No	National Flood Insurance Program (NFIP) minimum requirements only		Moderate	No	none	No	General Fund	none	Yes			

Appendix C3 - Floodplain Management Practices and Goal Survey Results

Entity Name:	Submission Date	Does your entity have floodplain management regulations?	Has your organization adopted minimum regulations pursuant to Texas Water Code Section 16.3145?	What standards or regulations does your community or jurisdiction use to protect the floodplain and/or encourage disaster resistant development/design? What are your minimum standards for: floodplain management, disaster resistant building codes, other ordinances? (Select all that apply)	Higher standards adopted	How would you gauge the level of enforcement of floodplain management practices?	Is there an existing stormwater or drainage fee?	Web link to entity regulations	Are these flood regulations in the process of being updated/change d?	Which of the following describes your local funding sources for flood management activities? (Select all that apply)	Over the next ten years, what specific challenges does your community or jurisdiction face regarding managing any potential increase in flood risk in your jurisdiction? Include challenges such as funding, project identification, training, resources, etc.	Does your jurisdiction have access to the necessary training and educational resources for floodplain management?	Please explain your jurisdiction access needs.	Has your city/county identified short term (10 year) floodplain management goals? If yes, please describe goal and extent of area that it applies to.	Has your city/county identified long term (30 year) floodplain management goals? If yes, please describe goal and extent of area that it applies to.
City of Port Aransas	2021/06/18 09:21:22	Yes	Yes	National Flood Insurance Program (NFIP) minimum requirements only Local Floodplain ordinance with higher standards (greater than NFIP)		High	No	https://library.m	No	General Fund	funding, training, resources	Yes		The city has a master drainage plan, and works consistently on upgrading drainage areas in need.	
City of Sinton	2021/07/12 14:32:02	Yes	Yes	National Flood Insurance Program (NFIP) minimum requirements only Disaster Resistant Building Codes No building in the floodplains		Moderate	No	sintontexas.org	No	General Fund		Yes			
City of Uvalde	2021/07/12 07:21:42	Yes	Yes	Local Floodplain ordinance with higher standards (greater than NFIP)		Moderate	No	https://library.m	No	General Fund I don't know	The lack of resources.	Yes	With only one person doing floodplain, its kind of hard to hire a Floodplain manager to just do floodplain in our smaller communities.	I would for the city to hire another floodplain manager. I wear many hats besides floodplain manager and i know that floodplain is not a priority to us.	Not that I know of, maybe strategic planning has something that they are working on?
Dimmit County	2021/08/06 15:47:25	No	No	I don't know		None	No	none	No			No	Not very familiar with the floodplain management in our County. Substantial research will be needed with follow-ups.	No	No
Duval County	2021/08/04 16:48:40	No	No	No building in the floodplains		Low	No	www.co.duval.tx	No	General Fund		No			
Duval County Conservation & Reclamation District	2021/08/05 09:40:04	No	No			None	No	None	No	We do not have a local funding source for flood management activities		No			
Frio County	2021/07/13 11:36:52	Yes	Yes	National Flood Insurance Program (NFIP) minimum requirements only Local Floodplain ordinance with higher standards (greater than NFIP)		Low	No	N/A	No	We do not have a local funding source for flood management activities	Flood mapping, funding	Yes		No	No
Karnes County	2021/08/05 10:56:15	Yes	Yes			Moderate	No	none	No	Permitting Fees		Yes			
KERR COUNTY ENG	2021/08/03 08:38:05	Yes	Yes	National Flood Insurance Program (NFIP) minimum requirements only		Moderate	No	https://www.co.k	No	General Fund	Funding	Yes			
McMullen County W	2021/08/10 10:00:55	No	No	I don't know		Low	No	None	No	We do not have a local funding source for flood management activities	We have no jurisdiction.	No	We have no jurisdiction on floodplain management.	No	No
Medina County	2021/08/04 09:33:23	Yes	Yes	National Flood Insurance Program (NFIP) minimum requirements only Local Floodplain ordinance with higher standards (greater than NFIP)		High	No	medinacountytex	No	General Fund Permitting Fees	development	Yes	?		
Portland, Texas	2021/07/16 13:04:38	Yes	Yes	Local Floodplain ordinance with higher standards (greater than NFIP) Designated design storms (design for a specific storm event)		High	Yes	https://library.m	No	General Fund Storm Water Utility Fee	Portland is growing, however much of the growth is occurring westerly away from the bays and established floodplains. However, in response to this growth, we'll need to review our current stormwater and floodplain regulations to access whether amendments are needed.	Yes	We need to continue networking with adjacent cities, county and state regarding flood plain management best practices and regulatory measures.	The City recently hired a new Building Official and the flood plain regulations are to be administered by this position. I am currently a Certified Flood Plain Manager and City staff will explore review of our current regulations and identify future short term flood plain management goals.	In general, we don't typically receive many permit applications for proposed improvements that would be located within the floodplain. However, part of our exploration will involve greater community education about the importance of protecting our flood plains from encroachment and if construction is proposed that permit applications are submitted for review and that any project meet the City's flood plain development requirements.
Real County	2021/08/09 12:52:49	Yes	Yes	National Flood Insurance Program (NFIP) minimum requirements only		Moderate	No	co.real.tx.us	No	General Fund					

Appendix C3 - Floodplain Management Practices and Goal Survey Results

Entity Name:	Submission Date	Does your entity have floodplain management regulations?	Has your organization adopted minimum regulations pursuant to Texas Water Code Section 16.3145?	What standards or regulations does your community or jurisdiction use to protect the floodplain and/or encourage disaster resistant development/design? What are your minimum standards for: floodplain management, disaster resistant building codes, other ordinances? (Select all that apply)	Higher standards adopted	How would you gauge the level of enforcement of floodplain management practices?	Is there an existing stormwater or drainage fee?	Web link to entity regulations	Are these flood regulations in the process of being updated/change d?	Which of the following describes your local funding sources for flood management activities? (Select all that apply)	Over the next ten years, what specific challenges does your community or jurisdiction face regarding managing any potential increase in flood risk in your jurisdiction? Include challenges such as funding, project identification, training, resources, etc.	Does your jurisdiction have access to the necessary training and educational resources for floodplain management?	Please explain your jurisdiction access needs.	Has your city/county identified short term (10 year) floodplain management goals? If yes, please describe goal and extent of area that it applies to.	Has your city/county identified long term (30 year) floodplain management goals? If yes, please describe goal and extent of area that it applies to.
Refugio County	2021/08/04 13:59:15	Yes	Yes	I don't know		Low	No	n/a	No	We do not have a local funding source for flood management activities	Training and updating FP regulations, as needed.	No	Do not have the funds for the labor to acquire certifications and manage the FP administration process. County Judge reviews each building permit for FP applicability per the established 9/2014 FIRM maps. If proposed building is in a Flood Zone, the applicant is asked to provide elevation certificates and warnings acknowledged. Approvals can be with elevation stipulations.		
San Patricio County	2021/07/14 09:35:18	Yes	Yes	Local Floodplain ordinance with higher standards (greater than NFIP)		High	No	https://www.twc	Yes	General Fund	More training and collaboration of our order and regulations with local appraisal district, relators, "building movers," etc. in order to spread necessary knowledge for the safety and well being of the community.	Yes	unknown what the question is asking	Yes. There are many different goals we have that include but not limited to: -increasing community knowledge of rules and regulations -identifying key issues and mitigate their risks -expediting permitting process -collaborating more with other departments in our community -updating our policies and procedures that will increase the well being of the community -working more with surrounding communities -increase and store data of development in an fashion that is feasible to search back for	Drainage Study RFPG Study Hazard mitigation action plan long term recover plan
San Patricio County Drainage District	2021/06/23 10:34:30	No	No	National Flood Insurance Program (NFIP) minimum requirements only		High	No	co.san-patricio.tx	No	Ad Valorem Tax	n/a	Yes	n/a	n/a	n/a
San Patricio County, City of Ingleside on the Bay	2021/08/03 09:00:52	Yes	Yes	National Flood Insurance Program (NFIP) minimum requirements only		Moderate	No	www.inglesideon	No	We do not have a local funding source for flood management activities	A city wide drainage study is in process at this time. The study should be finished in the next couple of months. The council will review existing measures taken and new suggestions, solutions included in the study. Funding will be an issue and the City will be looking for grant sources. We are not really in a position where bonds or loans are feasible as we have limited funding for our small community.	Yes	Ingleside on the Bay is under the direction of San Patricio County and I think they offer updates and training on a limited basis. Our building official has some basic training in floodplain issues but is not certified.	No, not really. As mentioned above, Ingleside on the Bay is conducting a drainage study to integrate existing measures in place with additional actions to alleviate some of the flooding problems we have experienced.	No
Uvalde County UWCD	2021/06/18 09:03:43	No	Yes	I don't know		High	No	none	No	Ad Valorem Tax		Yes			
Webb County	2021/06/18 09:32:50	Yes	Yes	Local Floodplain ordinance with higher standards (greater than NFIP)		High	No	https://www.webb	No	General Fund		Yes			
Wilson County	2021/07/19 16:28:33	Yes	Yes	Local Floodplain ordinance with higher standards (greater than NFIP)		Moderate	No	http://www.co.wilson	No	Permitting Fees Ad Valorem Tax		Yes			
Zavala County	2021/08/05 13:34:10	Yes	Yes	Local Floodplain ordinance with higher standards (greater than NFIP)		Moderate	No	http://co.zavala.tx	No	I don't know	Funding and resources	No		No I am new to the department and I am learning and seeing all the different challenges that we are facing little by little.	No, not at the moment

Geography	Geographic Area Name	Potential TWDB FIF Grant Percentage (FME)	Potential TWDB FIF Grant Percentage (FMP)	2022 ACS 5 YR	2022 ACS 5 YR - Average Household Size (B25010_001 E)	2018 ACS 5 YR	2022 ACS 5 YR	2022 Unemploye nt Rate (derived from Civilian Labor Force- Unemployed/ Total-B23025)	2022 ACS 5 YR	2022 ACS 5 YR	SVI	Area in FPR	Total Area	% of County in FPR	# of Households in County	# of Households in FPR	Households in FPR x AMHI	SVI x # of Households in FPR
				- Annual Median Household Income (in 2021 inflation- adjusted dollars) (B19013_001 E)		- Total Population (B01003_001 E) - Prior (County Used for all Census Tracts and Block Groups)	- Total Population (B01003_001 E) - Current (County Used for all Census Tracts and Block Groups)		- Civilian Labor Force: Total (B23025_003 E)	- Civilian Labor Force: Unemployed (B23025_005 E)								
05000000	US480 Aransas County, Texas	75%	30%	\$58,168	2.08	24,763	24,048	4.35%	9,714	423	0.9376	244.8	252.1	0.97	11,905	11,561	\$672,454,063.26	10839.17153
05000000	US480 Atascosa County, Texas	75%	0%	\$67,442	3.07	48,828	49,403	6.41%	21,956	1,408	0.7877	1199	1219.5	0.98	15,905	15,638	\$1,054,625,771.29	12317.67623
05000000	US480 Bandera County, Texas	75%	0%	\$70,965	2.43	21,763	21,182	6.65%	9,862	656	0.6104	252.9	791	0.32	8,956	2,863	\$203,202,497.49	1747.830684
05000000	US480 Bee County, Texas	90%	40%	\$50,283	2.76	32,691	30,977	6.40%	11,091	710	0.9472	878.8	880.2	1.00	11,845	11,826	\$594,632,974.05	11201.32755
05000000	US480 Bexar County, Texas	75%	0%	\$67,275	2.71	1,925,865	2,014,059	5.53%	1,014,064	56,116	0.9249	33	1240.3	0.03	710,651	18,908	\$1,272,030,287.84	17487.93479
05000000	US480 Brooks County, Texas	100%	60%	\$30,566	2.47	7,180	7,059	2.05%	3,072	63	0.9764	259.1	943.4	0.27	2,907	798	\$24,402,686.51	779.5191753
05000000	US481 Dimmit County, Texas	100%	60%	\$27,374	3.04	10,663	8,672	4.74%	2,469	117	1.0000	1143.8	1328.9	0.86	3,508	3,019	\$82,642,201.79	3019.003499
05000000	US481 Duval County, Texas	90%	40%	\$50,697	3.25	11,355	9,960	8.39%	3,980	334	0.9825	1795.1	1793.5	1.00	3,494	3,497	\$177,285,535.76	3435.766197
05000000	US481 Edwards County, Texas	90%	50%	\$40,809	2.56	2,055	1,380	0.00%	728	0	0.6735	9.2	2117.9	0.00	803	3	\$142,301.73	2.348506886
05000000	US481 Frio County, Texas	75%	30%	\$56,042	3.13	19,394	18,151	2.57%	7,113	183	0.9838	1129.2	1133.5	1.00	6,196	6,173	\$345,928,245.77	6072.663506
05000000	US481 Goliad County, Texas	75%	30%	\$58,125	2.57	7,531	7,092	4.76%	3,026	144	0.5430	325	852	0.38	2,930	1,118	\$64,972,003.10	606.9642612
05000000	US482 Jim Hogg County, Texas	90%	50%	\$42,292	3.57	5,282	4,830	4.52%	2,189	99	0.9679	266.7	1136.2	0.23	1,480	347	\$14,687,796.10	336.1467381
05000000	US482 Jim Wells County, Texas	90%	50%	\$46,626	2.99	41,192	39,060	5.22%	15,849	827	0.8628	867.9	865.2	1.00	13,777	13,820	\$644,351,772.37	11923.53428
05000000	US482 Karnes County, Texas	75%	30%	\$57,798	2.55	15,387	14,805	5.27%	5,177	273	0.8469	104.2	747.8	0.14	6,034	841	\$48,596,930.85	712.0789774
05000000	US482 Kenedy County, Texas	90%	50%	\$45,455	2.92	595	116	0.00%	46	0	0.6649	179	1458.6	0.12	204	25	\$1,136,665.29	16.62674626
05000000	US482 Kerr County, Texas	75%	0%	\$66,713	2.31	51,365	52,810	3.33%	24,488	815	0.7842	16.7	1103.3	0.02	22,236	337	\$22,453,737.25	263.998731
05000000	US482 Kinney County, Texas	90%	40%	\$52,386	2.66	3,675	3,157	1.94%	1,340	26	0.7132	608.5	1360.5	0.45	1,382	618	\$32,370,766.41	440.706116