



Region 11: Guadalupe Regional Flood Planning Group Meeting

Wednesday, August 4, 2021
4:00pm

Or

Virtual Public Meeting

Agenda Item 1

Call to Order

1. Attendance

Agenda Item 2

Welcome

Agenda Item 3

Approval of Meeting Minutes

1. Approval of meeting minutes from
June 30, 2021 Region 11 RFPG Meeting

Meeting Minutes
Region 11 Guadalupe Regional Flood Planning Group Meeting
June 30, 2021 at 2:00 PM
Guadalupe-Blanco River Authority River Annex (905 Nolan Street, Seguin, TX 78155)

Roll Call:

<u>Voting Member</u>	<u>Interest Category</u>	<u>Present (x) / Absent () / Alternate Present (*)</u>
Doug Miller Melissa Reynolds*	<i>Agricultural</i>	X
John Johnston	<i>Counties</i>	X
Lon Shell	<i>Counties</i>	X
Bobby Christmas	<i>Electric Generating Utilities</i>	X
Annalisa Peace Vanessa Puig-Williams*	<i>Environmental</i>	
Beth Parker Doug Sethness*	<i>Flood districts</i>	
Kevin Stone	<i>Industries</i>	
Joseph Pantalion Laurie Moyer*	<i>Municipalities</i>	X
Ken Gill	<i>Municipalities</i>	X
Kimberly Meitzen	<i>Public</i>	X
R. Brian Perkins Charlie Hickman*	<i>River Authorities</i>	X
Ray Buck Don Durden*	<i>River Authorities</i>	*
Gian Villarreal Tami Norton*	<i>Small Business</i>	X
Ronald (Ron) Fieseler	<i>Water Districts</i>	X
Joseph McDaniel	<i>Water Utilities</i>	

<u>Non-voting Member</u>	<u>Agency</u>	<u>Present(x)/Absent () / Alternate Present (*)</u>
Sue Reilly Beth Bendik*	Texas Parks and Wildlife Department	
Natalie Johnson	Texas Division of Emergency Management	
Jami McCool	Texas Department of Agriculture	X
Allen Nash	Texas State Soil and Water Conservation Board	X
Kris Robles	General Land Office	X
Morgan White Richard Bagans*	Texas Water Development Board (TWDB)	*
Joel Klumpp Brittney Wortham-Teakell*	Texas Commission on Environmental Quality	
Don Durden	Public	
Suzanne Scott	Region 12 Liaison	
Patrick Brzozowski	Region 10 Liaison	

Quorum:

Quorum: **Yes**

Number of voting members or alternates representing voting members present: **11**

Number required for quorum per current voting positions of 15: **8**

Other Meeting Attendees:

Lauren Willis, GBRA (Facilitator)

Ramiro Mendoza, GBRA (IT)

Jay Scanlon, Freese & Nichols, Inc.

Adam Conner, Freese & Nichols, Inc.

Tom Hegemier, Doucet & Associates

Sara Husted, GLO

Melissa Reynolds, City of New Braunfels

Jonathan Stinson, GBRA

Bridget Hinze Weber, GBRA

All meeting materials are available for the public at: <http://www.quadalupeRFPG.org>

AGENDA ITEM NO. 1: Call to Order

Doug Miller called the meeting to order at 2:02 PM. Lauren Willis called roll of the planning group members to record attendance and a quorum was established.

AGENDA ITEM NO. 2: Welcome

Doug Miller welcomed members to the meeting.

AGENDA ITEM NO. 3: Public General comments (Public comments limited to 3 minutes per speaker)

Doug Miller provided instructions for public comments. No public comments were given.

AGENDA ITEM NO. 4: Approval of Minutes from the June 2, 2021 Region 11 RFPG Meeting

Doug Miller opened discussion on approving the minutes from the June 2, 2021 Region 11 RFPG Meeting.

A motion was made by Bobby Christmas to approve the June 2, 2021 Region 11 RFPG Meeting. Joe Pantalion seconded the motion. The meeting minutes were approved by consensus.

AGENDA ITEM NO. 5: Region 11 Guadalupe RFPG Chair Updates

Chairman Doug Miller reviewed the content covered at the TWDB Chairs Conference call on June 23, 2021. An update was given on the contracts between the technical consultants and regional sponsors, lessons learned/concerns to date were discussed among the regional chairs, and TWDB staff reiterated that all groups can set up a meeting with the TWDB technical staff.

AGENDA ITEM NO. 6: TWDB Update/Presentation

Richard Bagans provided updates regarding the technical consultant and regional sponsor; the sub-contracts of the technical consultant no longer need to be approved by the TWDB. The TWDB is shifting from being in a management role into a resource role, and they continue to keep conversations open between the regional chairs.

AGENDA ITEM NO. 7: Discussion and potential action regarding Region 11 RFPG Technical Consultants work and schedule.

Jay Scanlon reviewed the process in which the RFPG will collect data; through public input, historic flooding, past drainage/flood studies, existing drainage infrastructure, low water crossing locations, proposed/ongoing flood mitigation projects, floodplain management practices and future growth plans.

An interactive tool is to be placed on the guadalupeRFPG.org website for stakeholders to upload data, take a survey and put data on a map. From the stakeholder input, the RFPG/FNI is looking for items such as existing data, models, studies, flood prone areas, projects in progress or future projects. Topics discussed for the interactive tool include being mobile app friendly, length of survey being open, using verbiage for a call for an intent to submit data by a predetermined date instead of deadline, and communicating that being in the Flood Plan allows for additional funding opportunities. An email blast will be sent out to stakeholders about the interactive website and FNI will continue to coordinate with the GLO and their survey. Discussion of a generic project email occurred for stakeholder outreach for a single point of contact.

Jay Scanlon presented a preliminary Flood Risk Map of existing flood risk data including the TWDB 'Quilt' data, TWDB Fathom data and local data. The public will have an opportunity to provide public comments on this map and will need to be finalized by January 2022. FNI is looking to find out from public if there is local data or local studies that provide information that is more accurate. The map will be presented to the public with 100 and 500-year inundation zones. FNI will give opportunities to local officials to comment on this base line data. Discussion of which layers to present to the public for the preliminary map occurred.

Tom Hegemier discussed the National Flood Insurance Program (NFIP), gave an overview of the Community Rating System (CRS) and introduced the RFPG to Flood Management/Mitigation Practices & Goals. In the setting of goals and practices, a balance of economic development and flood plain management will need to be taken into consideration. Discussion occurred between the RFPG members of the difference of a recommendation vs. a minimum standard and the funding implications of these.

Adam Conner discussed the pre-planning meeting for August 4th, introduction of the interactive tool, Blanton's interactive meeting tool and stakeholder outreach. GBRA and Blanton have created a one-page handout to be used for the public, the final version will be posted to the guadalupeRFPG.org website.

AGENDA ITEM NO. 8: Update from RFPG Sponsor Guadalupe-Blanco River Authority (GBRA)

Lauren Willis reminded the RFPG members to look at the survey and to provide any comments by July 14, 2021.

AGENDA ITEM NO. 9: Public General comments (Public comments limited to 3 minutes per speaker)

Doug Miller provided instructions for public comments. No public comments were given.

AGENDA ITEM NO. 10: Consider date and agenda items for next meeting

Doug Miller opened discussion to consider the date and agenda items for the next meeting.

The second pre-planning public input meeting will held on August 4, 2021, begin at 4pm with public comment after 5pm, be in-person and be located at the Wimberley Community Center. Blanton will create a press release that will be sent to all RFPG members and GBRA will distribute to through the appropriate communication channels.

John Johnston discussed the TAC legislative update conference and the potential for conflicts for the September meeting and mentioned the possibility of meeting dates in Victoria.

AGENDA ITEM NO. 11: Adjourn

Brian Perkins made a motion to adjourn. The motion was seconded by Bobby Christmas. The motion passed by unanimous consent.

The meeting adjourned at 4:21 PM by Doug Miller.

Approved by the Region 11 Guadalupe RFPG at a meeting held on 08/04/2021.

Brian Perkins, SECRETARY

Doug Miller, CHAIR

Region 11 Guadalupe RFPG Chair Updates

Agenda Item 4

Texas Water Development Board Update

Agenda Item 5

Agenda Item 6

Update from RFPG Sponsor - GBRA

Agenda Item 7

Discussion and potential action regarding the solicitation to fill the vacant voting position in the Water Utilities interest category.

Region 11 Guadalupe

Regional Flood Planning Group

The Region 11 Guadalupe Regional Flood Planning Group (RFPG) is soliciting nominations to fill one (1) voting position on the Region 11 Guadalupe RFPG.

Nominees who either operate in or have interests in the Region 11 Guadalupe RFPG are being solicited to represent the following interest groups:

Voting Members

(1 seat) Water Utilities

The Guadalupe RFPG was established by the Texas Water Development Board on October 1, 2020, through the designation of initial flood planning group members. The Guadalupe RFPG consists of portions of Bandera, Bastrop, Blanco, Caldwell, Calhoun, Comal, DeWitt, Fayette, Gillespie, Goliad, Gonzales, Guadalupe, Hays, Karnes, Kendall, Kerr, Lavaca, Real, Refugio, Travis, Victoria and Wilson counties lying within the Guadalupe River Basin.

Article V. Section 3 of the adopted Guadalupe RFPG Bylaws states that in order to be eligible for voting membership, a person must be capable of adequately representing the interest for which a member is sought, be willing to participate in the regional flood planning process, attend meetings, and abide by these bylaws.

Nomination forms may be submitted through email to Lauren Willis at lwillis@gbra.org, or by printing the nomination form, completing it and mailing to 933 E. Court Street, Seguin, TX 78155 Attn: Lauren Willis. Nominations must be received by 5:00pm, Friday, September 10, 2021.

DRAFT

DRAFT

Region 11 Guadalupe RFPG
Member Nomination Form

DRAFT

Date:

Name & Email of person submitting this form (Nominator, may be the same as nominee):

Nominee Name:

Nominee Phone:

Nominee E-mail:

Nominee Mailing Address:

County in which the nominee resides:

Nominee Occupation:

Nomination for Interest Group (Check One)

Agricultural Counties Counties Electric Generating Utilities Environmental

Flood Districts Industries Municipalities Public River Authorities

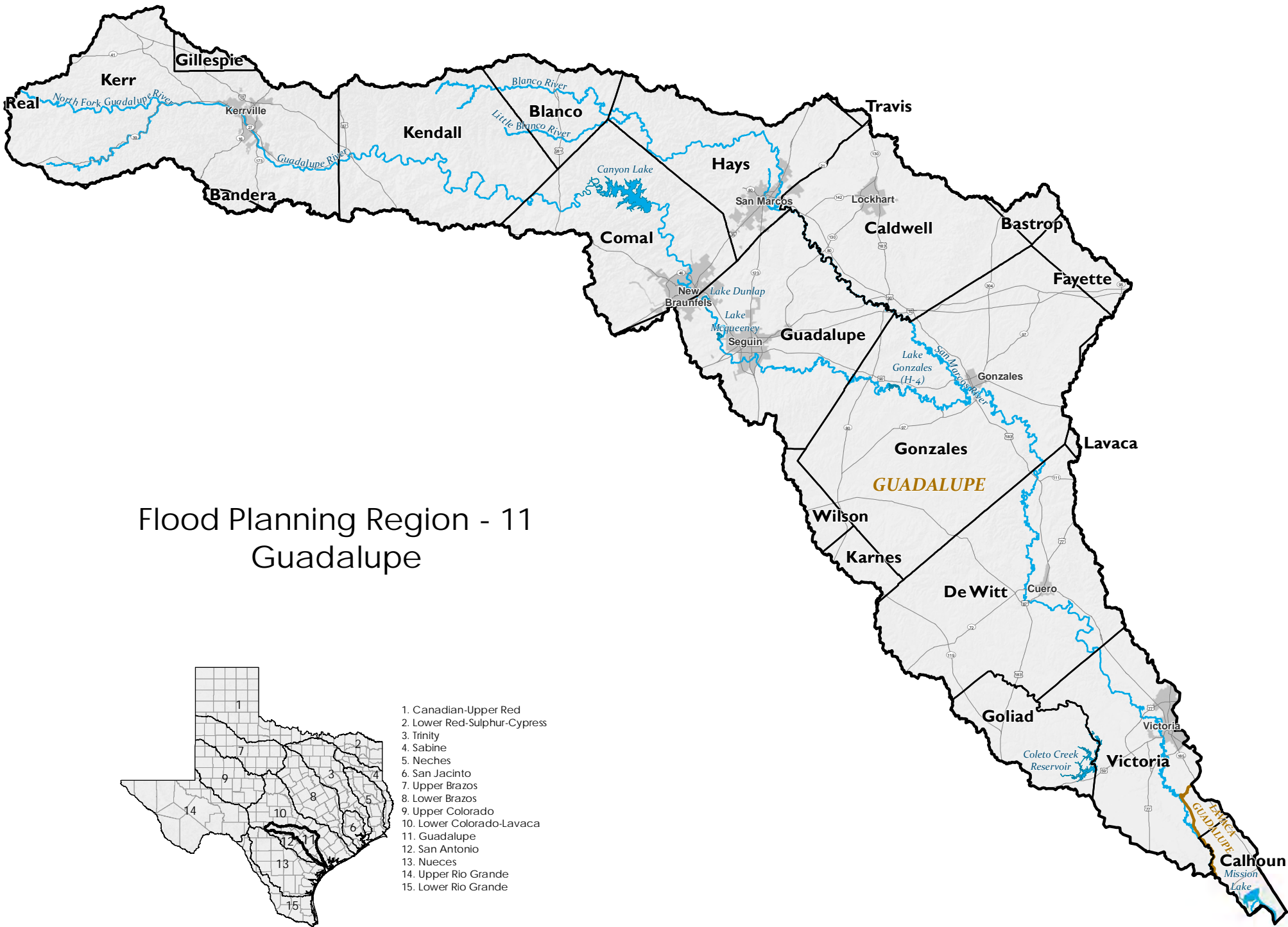
Small Business Water Districts Water Utilities

Brief bio and summary of qualifications specific to interest group

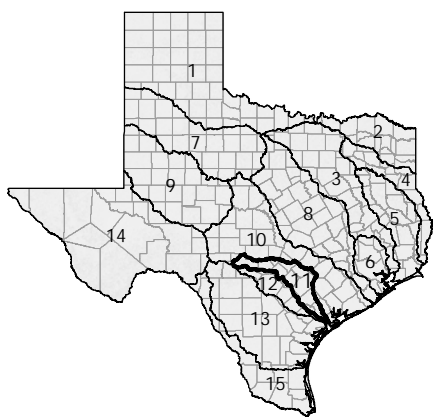
General type of flood-related knowledge, experience, and approximately number of years of being involved in flood-related issues.

Please provide 2 references (Name, title/affiliation, phone number)

Please list any optional attachments included (Resume, CV, Resolutions, etc.)



Flood Planning Region - 11 Guadalupe



1. Canadian-Upper Red
2. Lower Red-Sulphur-Cypress
3. Trinity
4. Sabine
5. Neches
6. San Jacinto
7. Upper Brazos
8. Lower Brazos
9. Upper Colorado
10. Lower Colorado-Lavaca
11. Guadalupe
12. San Antonio
13. Nueces
14. Upper Rio Grande
15. Lower Rio Grande

County boundaries
 Major river basin boundaries
 Major roadways
■ Major reservoirs
— Major rivers
 County seats



DISCLAIMER: This map was generated by the Texas Water Development Board using GIS (Geographical Information System) software. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate. Map date: 05/01/2020

Texas Water Development Board
 1700 North Congress Avenue, Austin, TX 78701
www.twdb.texas.gov - @twdb - facebook.com/twdbboard



Agenda Item 8

Discussion and potential action regarding Region 11
RFPG Technical Consultants work and schedule

An aerial photograph of a wetland landscape. The scene is dominated by a network of water channels and small ponds, interspersed with dense green vegetation, likely marsh grasses. The water reflects the sky, which is filled with soft, white clouds. The overall color palette is a mix of blues, greens, and whites, creating a serene and natural atmosphere.

Region 11 Guadalupe

Regional Flood Planning Group Meeting

August 4, 2021

Item 8



Agenda

- Brief Updates
- Public Outreach Plan (Update)
- Flood Management/Mitigation Practices & Goals
- Look Ahead
 - Preplanning Meeting
 - September RFPG Meeting

An aerial photograph of a vast wetland area. The landscape is a complex network of water channels and green, marshy islands. The water is a pale blue-grey color, reflecting the sky. The vegetation is a vibrant green, indicating healthy wetland plants. The horizon is flat and extends to the top of the frame.

Task Updates

DRAFT

REGION 11 GUADALUPE REGIONAL FLOOD
PLANNING GROUP – PUBLIC INVOLVEMENT
PLAN

Prepared for the Guadalupe Regional Flood Planning Group

Prepared by Freese and Nichols, Inc.



TWDB Contract No. 2101792496

August 2021

Table of Contents

1.0 INTRODUCTION 1
 1.1 Background 1
 1.2 Public Involvement Summary 1
2.0 PUBLIC AND STAKEHOLDER INVOLVEMENT STRATEGIES 4
 2.1 Public and Stakeholder Contact List 5
 2.2 Interactive Mapping Tool and Surveys 5
 2.3 GBRA Website Information..... 6
 2.4 Social Media..... 6
 2.5 Virtual Public Meeting Format 6
 2.6 Public Comment Tracking, Response, and Reporting..... 6
3.0 GUADALUPE REGIONAL FLOOD PLANNING GROUP MEETINGS 6
 3.1 Monthly Meetings 6
 3.2 Supplemental Support for Pre-Planning Public Meetings and Other Required Meetings..... 7
 3.3 Draft Regional Flood Plan Public Meeting 9
4.0 CONCLUSION 11

List of Attachments

- Attachment A** TWDB *Regional Flood Planning Public Notification Quick Reference*
- Attachment B** List of RFPG, GBRA and FNI Team Roles and Responsibilities

List of Figures

Figure 1. Fifteen Flood Planning Regions in Texas..... 2
Figure 2. Region 11 Guadalupe Flood Planning Region 3

1.0 INTRODUCTION

The Freese and Nichols, Inc. Team (FNI Team) was retained by the Guadalupe-Blanco River Authority (GBRA), on behalf of the Region 11 Guadalupe Regional Flood Planning Group (RFPG), to develop the 2023 Guadalupe Regional Flood Plan (the Project) through a transparent process where public input and participation is welcomed and encouraged. GBRA is the project sponsor. As part of this process, the Texas Water Code (TWC) Section 16.062 and Title 31 Texas Administrative Code (TAC) Chapter 361 require public notice and input opportunities. GBRA is responsible for ensuring all public notice and participation activities are carried out as required by the TWC and 31 TAC. The FNI Team prepared this Public Involvement Plan (PIP) for the RFPG to supplement those legally required efforts with opportunities to encourage and obtain meaningful public and stakeholder input throughout the planning process. As a member of the FNI Team, Blanton & Associates, Inc. (B&A) will provide support in implementation of this PIP.

1.1 Background

In 2019, the Texas Legislature created and funded the first-ever regional and state flood planning process in response to historic flooding and the need for flood planning. The regional flood plans are to be delivered to the Texas Water Development Board (TWDB) by January 10, 2023, and then every five years thereafter. The state flood plan will be adopted by September 1, 2024, and then every five years thereafter. The planning process is intended to be a “bottom up” approach with the regional flood plans informed by the local communities. The planning process is also intended to be a transparent process with opportunities for public input. The objectives of the regional flood plans (RFPs) are to: 1) document existing flood infrastructure and preparedness; 2) identify current and future flood risk and hazard; 3) develop flood mitigation/management goals; 4) identify and evaluate flood management strategies and mitigation projects; and 5) evaluate benefits/impacts to the water supply, environment, and economics. Through this process administered by the TWDB, the state designated 15 flood planning area regions, including the Region 11 Guadalupe Food Panning Region (see **Figure 1**). The planning area boundaries for each region are based upon watersheds (e.g., river basins) rather than political boundaries. The Project study area extends from the Hill Country in Real and Kerr counties in the northern part of the river basin, southeastward to the Texas Coast in Calhoun County (See **Figure 2**).

The flood planning process for Region 11 is administered by GBRA and led by a committee of volunteer members, or the RFPG. The RFPG is composed of 15 members, with one member representing each of the following interests: general public, agriculture, small business, industries, environmental, electric generating utility, water utility, flood districts, and water districts, and two members representing each of the following interests: municipalities, counties, and river authorities. The members represent the interests of organizations throughout the Guadalupe River basin. The RFPG meetings are held monthly.

1.2 Public Involvement Summary

Public involvement and participation are critical to the success of the regional flood planning process. The *Regional Flood Planning Public Notification Quick Reference (Attachment A)* was prepared by the TWDB and identifies all of the TWC and 31 TAC requirements for public notice and public comment.

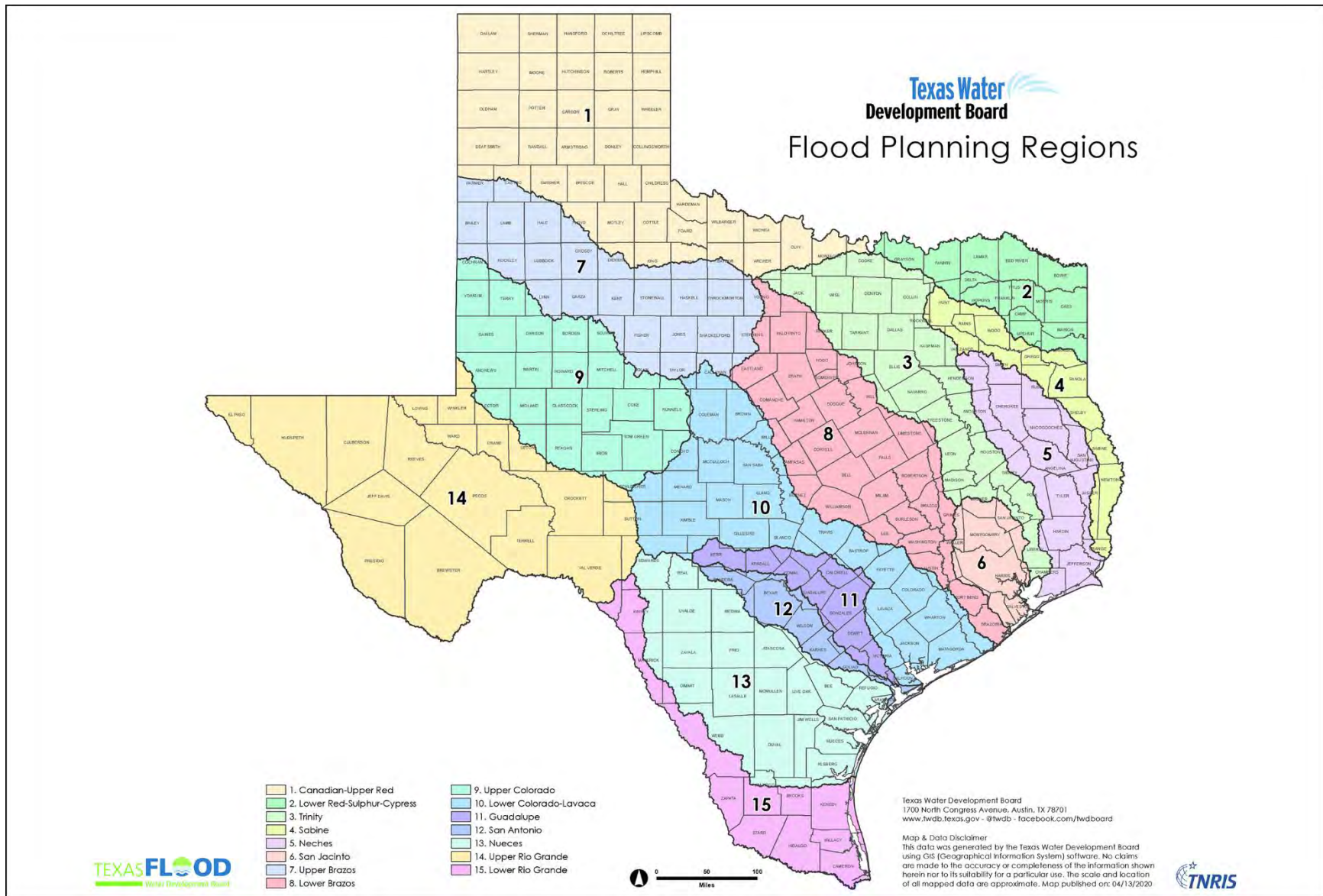


Figure 1. Fifteen Flood Planning Regions in Texas

Source: TWDB 2020 https://data.tnris.org/894ad055-a134-470a-a133-55f0818aaceb/assets/7452fc9b-4848-4630-88b2-1476123a9680-FPR_8.5x11.pdf

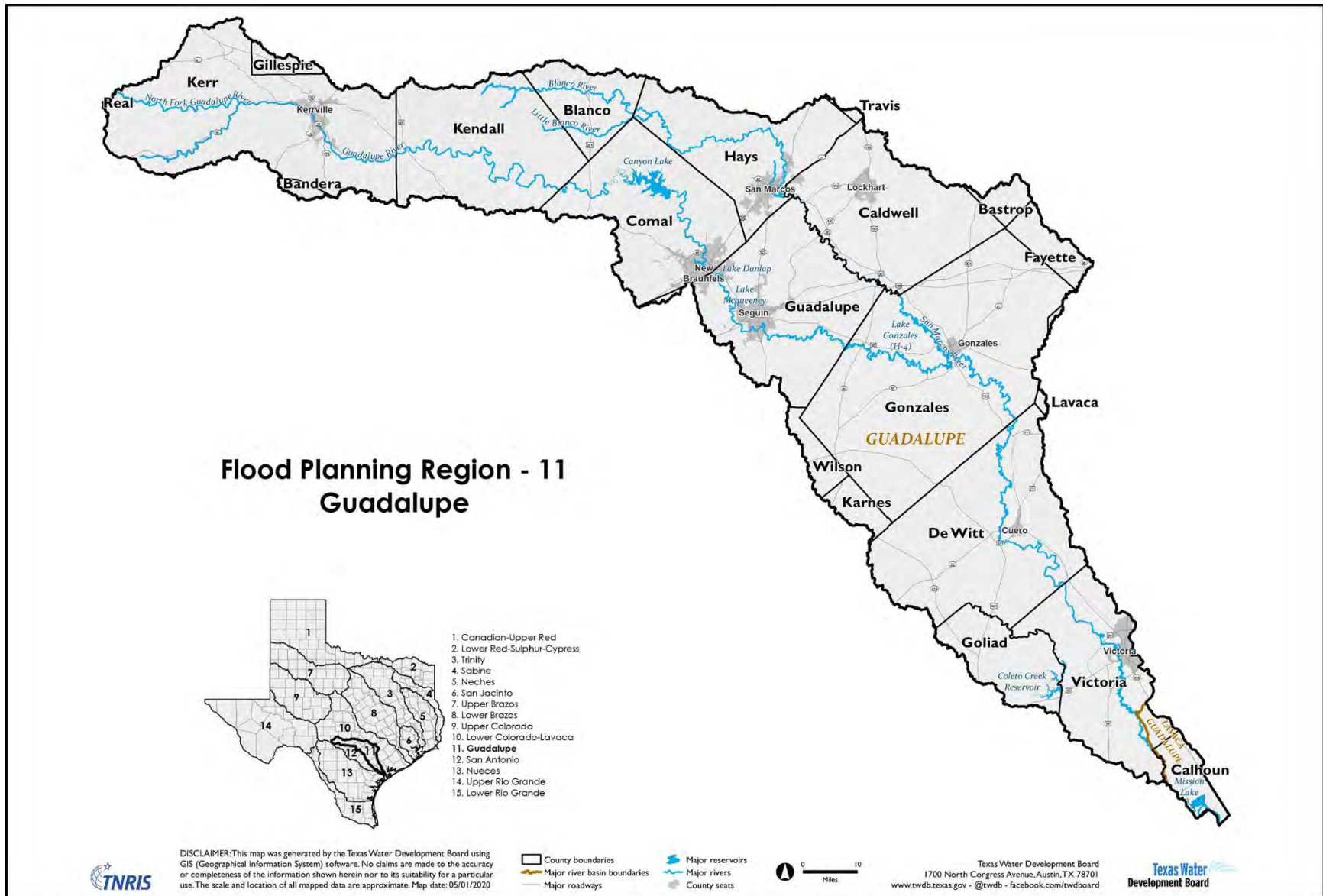


Figure 2. Region 11 Guadalupe Flood Planning Region

Source: TWDB 2020 https://data.tnris.org/894ad055-a134-470a-a133-55f0818aaceb/assets/35b2e2ad-4c5b-4df6-8f0f-8528f17af542-FPR_11_Guadalupe_8.5x11.pdf

As mentioned previously, all legal notice requirements are being met by the GBRA¹. In addition, the RFPG has expressed a desire to encourage public input and comment in a manner that exceeds the requirements in the TWC and 31 TAC. Towards this end, the FNI Team will implement the following strategies:

- Develop an extensive public and stakeholder contact list;
- Develop and implement an interactive map tool to place on the RFPG website to gather information about flood prone areas and existing flood management efforts through the use of forms and surveys;
- Identify and evaluate opportunities to enhance available information on the RFPG website;
- Use social media accounts to post messages about upcoming RFPG meetings and activities;
- Develop and implement a virtual public meeting tool to supplement the in-person RFPG meetings; and
- Review and report on all public comments received through either the RFPG website or during a RFPG meeting.

Each of these strategies are discussed in detail below in **Section 3.0**.

2.0 PUBLIC AND STAKEHOLDER INVOLVEMENT STRATEGIES

The public and stakeholder involvement will emphasize two-way communication between the public and stakeholders and the RFPG. The RFPG will strive to maintain proactive communication and information dissemination during the planning process so the public and stakeholders are informed and know where to find information or who to speak with should they have any information, comments, questions, or concerns.

Through this PIP, the public and stakeholders will be informed and provided opportunities to express their views, opinions, and concerns, and to share data and information relevant to the flood planning process. This PIP provides an outline of proposed public and stakeholder involvement throughout the planning process. A general list of RFPG, GBRA and FNI Team roles and responsibilities is included as **Attachment B**. A public and stakeholder involvement schedule for each meeting or hearing, as discussed below, will be refined throughout the process. This PIP will be implemented through the strategies and activities described below, which are intended to provide a broad range of opportunities to reinforce public and stakeholder engagement and participation. Adhering to COVID-19 safety protocols for these meetings will be encouraged.

¹ This PIP does not address efforts to comply with the legal requirements for notices in the TWC and the TAC, nor the FNI Team's efforts to draft Chapter 10 of the RFP related to documenting and responding to all comments received during the 60-day public comment period required by TWC §16.062(f) - (g) and 31 TAC §361.21(h)(3).

2.1 Public and Stakeholder Contact List

So as not to duplicate efforts with the Texas General Land Office (GLO) regional flood study that includes the Guadalupe River basin, the FNI Team will prepare a public and stakeholder contact list by starting with the list compiled by the GLO. Consistent contacts (e.g., county judges, mayors, etc.) with those included in the GLO study area counties will be added to the list for those counties outside of the GLO study area (e.g., Bandera, Blanco, Gillespie, Hays, Kendall, Kerr, Real, and Wilson counties). The team will also review the list for contact categories that may need to be added (e.g., legislators).

To date, the list includes approximately 400 contacts and reflects the following public and stakeholder contact categories:

- Legislators – Governor, Lieutenant Governor, Speaker of the House of Representatives, Senators, and Representatives.
- County Judges and County Commissioners
- Mayors, City Councilmembers, and City Administrators/Managers
- County Floodplain Administrators
- Emergency Management staff
- County Engineers
- County Public Works Directors
- City Public Works Directors
- Fire Chiefs
- River Authorities
- Groundwater Conservation Districts
- Regional water planning group members
- Environmental Organizations

This list will continue to be updated as the Project proceeds and more of the public and stakeholders become aware of the RFPG’s efforts and request to be added to the list. This extensive list will be used to carry out the public outreach activities noted below for RFPG meetings.

2.2 Interactive Mapping Tool and Surveys

The FNI Team will create an interactive tool consisting of a map of the Guadalupe River basin. The map will be accompanied by either 1) a form for the public to complete to add their comments and information regarding flood prone areas and flood strategies or projects in their communities: or 2) a survey for agency representatives to complete providing more detailed information about flood risks and projects in their communities. The interactive tool will be linked on the RFPG website and will be “live” for the duration of the Project.

2.3 GBRA Website Information

In addition to the interactive tool to be linked to the Region 11 Guadalupe Regional Flood Plan website, the FNI Team will also look for opportunities to supplement information on the website with information or announcements that will help to inform the public and stakeholders. These include posting a summary announcement of upcoming RFPG meetings and the Project schedule to provide the public and stakeholders information on project progress and opportunities for participation.

2.4 Social Media

The FNI Team will work with GBRA staff to create posts for project social media accounts that are established by GBRA. The FNI Team will submit drafts of the posts to GBRA staff at least ten days before each meeting so that GBRA staff can review and approve the drafts and then post them at least seven days before the event.

2.5 Virtual Public Meeting Format

One of the strategies for this PIP is to support certain in-person RFPG public meetings by enabling participation across the entire Project area through a Virtual Public Meeting (VPM) format. The FNI Team, at the direction of the RFPG, will present the RFPG in-person meeting content (Project information) in a “virtual meeting room” with information stations located throughout the room. At the start of the meeting, meeting attendees (e.g., elected officials, agency representatives, members of the public, etc.) will enter the meeting on-line at the “sign-in” station, where they will be asked to sign in to record their attendance. They will be greeted by a narrator who will guide them through the virtual meeting room and provide information regarding the meeting content (e.g., presentations, display boards, videos, etc.) presented at each station. The meeting attendees will move through the meeting content at their own pace, including re-visiting stations as needed. The final station will provide an opportunity for meeting attendees to post questions or comments. The meeting content can be made available in Spanish or other languages, if requested. This meeting option will go “live” as close to the in-person meeting time as possible and will remain active for two weeks after the date of the in-person meeting.

2.6 Public Comment Tracking, Response, and Reporting

The FNI Team will develop a system for receiving and reviewing all public and stakeholder comments received through either the RFPG website or during a RFPG meeting, responding to each comment, and providing monthly reports to the RFPG of comments and responses. A system for providing a written update to the RFPG and a complete summary of all comments received will be developed.

3.0 GUADALUPE REGIONAL FLOOD PLANNING GROUP MEETINGS

3.1 Monthly Meetings

Awareness of RFPG monthly meetings, which will typically be held on the first Wednesday of every month at GBRA’s offices, is critical to encouraging and obtaining public and stakeholder input and support, and the meetings provide an understandable and convenient means to comment and ask questions. The public

and stakeholders will be notified of the opportunity to visit the RFPG's website (<http://guadaluperfpg.org/Meetings.aspx>) for specific dates, times and locations of all meetings.

To supplement the seven-day meeting notices required by the TWC and 31 TAC and to promote awareness, the FNI Team will perform the following tasks:

Seven days in advance of the meeting:

- Send an email meeting announcement to those on the public and stakeholder distribution list;
- Send an email to the councils of governments that cover some portion of Region 11 to request they post the announcement on their websites;
- Send an email to the San Antonio River Authority to request that they post the announcement of the upcoming meeting on the South Central Texas Regional Water Planning Group (SCTRWPG) website, and send a copy of the announcement to their SCTRWPG members;
- Send an email to the Region 10 and 12 RFPGs to request that they post the announcement of the upcoming meeting on their websites, and send a copy of the announcement to their flood planning group members; and
- Draft social media post text for GBRA to post on their social media accounts and distribute the message to the RFPG members for them to post on their accounts.

The FNI Team will prepare draft email announcements listed above for each monthly meeting. The team will submit each announcement to GBRA staff for review no less than five (5) days prior to their notice deadline. The announcements will include information about the meeting, a link to the Region 11 website, and an email address for submitting comments or questions, as applicable. After GBRA staff has approved each announcement, the team will work with GBRA staff to distribute the email announcements. Requests to receive announcements by USPS mail, if any, will be handled accordingly.

3.2 Supplemental Support for Pre-Planning Public Meetings and Other Required Meetings

Texas Water Code §16.062(d), and 31 TAC §§361.12(a)(4) and 361.21(h)(2)(A) require the RFPG to hold two or more pre-planning public meetings to obtain input from the public regarding suggestions and recommendations as to issues, provisions, projects, and strategies to be considered for inclusion during the flood planning cycle and the regional flood plan.

In addition to the pre-planning public meetings, the TWDB's *Technical Guidelines for Regional Flood Planning*, the TWC and/or 31 TAC require the RFPG to obtain public input on: (1) identified flood risk in the region and developed a map summarizing the risk; (2) flood mitigation and floodplain management goals as they relate to existing flood risk per the TWC; (3) a process for identifying potential flood management evaluations (FMEs) and potentially feasible flood management strategies (FMSs) and flood management projects (FMPs); (4) the final RFP; (5) amendments to the RFP; and (6) changes to the RFPG membership.

To supplement the 14-day meeting notices required by the TWC and 31 TAC, to promote awareness of these public meetings, and to help encourage public and stakeholder participation and input, the FNI Team will perform the following tasks:

21 days in advance of the meeting:

- Send an email meeting announcement to those on the public and stakeholder distribution list;

Seven days in advance of the meeting

- Send a reminder email meeting announcement to those on the public and stakeholder distribution list;
- Send an email to the councils of governments that cover some portion of Region 11 to request they post the announcement on their websites;
- Send an email to the San Antonio River Authority to request that they post the announcement of the upcoming meeting on the SCTRWPG website and send a copy of the announcement to their SCTRWPG members;
- Send an email to the Region 10 and 12 RFPGs to request that they post the announcement of the upcoming meeting on their websites and send a copy of the announcement to their flood planning group members;
- Send meeting announcement text to GBRA for both the RFPG and the GBRA websites; and
- Draft social media post text for GBRA to post on their social media accounts and distribute the message to the RFPG members for them to post on their accounts.

Three days in advance of the meeting

- Send text to GBRA staff to incorporate into press releases announcing upcoming meeting.

The FNI Team will prepare draft email announcements listed above for each pre-planning public meeting. The team will submit each announcement to GBRA staff for review no less than five (5) days prior to their notice deadline. The announcements will include information about the meeting, a link to the RFPG website, and an email address for submitting comments or questions, as applicable. After GBRA staff has approved each announcement, the team will work with GBRA staff to distribute the email announcements. Requests to receive announcements by USPS mail, if any, will be handled accordingly.

A general checklist of action items to be completed and RFPG, GBRA and FNI Team roles and responsibilities are included as **Attachment B**. The meeting facilities will be selected and reserved by GBRA staff, in close coordination with the RFPG. GBRA will attempt to identify facilities that provide adequate capacity, ample parking, and ample room/space to disseminate information, and ideally, the meeting facilities will be located within the Project study area. The team will endeavor to secure meeting facilities that are free of charge.

These meetings will be conducted so that attending stakeholders and the public can listen to the information being presented and view the presentation by the FNI Team. The team may distribute informational materials, such as Project-related handouts, and may present Project exhibits/display boards, etc. Informed and easily identifiable FNI Team members will register attendees, address questions and comments, and guide attendees through the public meeting process at the in-person meetings. These meetings will be convened in-person to take place after business hours and may be supplemented by a virtual public meeting format.² The RFPG will determine when the meetings will go “live.” During the two-week comment period, the public and stakeholders will be able to view the same information that was reviewed during the in-person meeting and will be able to leave comments or add their contact information in the virtual meeting room for the Project. After the two-week comment period, the virtual public meeting room information will remain accessible through the RFPG website so people can view the information; however, adding comments or contact information will not be possible after the end of the comment period. The virtual public meeting room information will be available for educational purposes only after the two-week comment period closes (see discussion above in **Section 2.5**).

The virtual public meeting room information will encourage the public and stakeholders to use the interactive map tool (discussed above in **Section 2.2**) to enter comments and sign up to receive information through a link to the RFPG website.

3.3 Draft Regional Flood Plan Public Meeting

Texas Water Code §16.062(f) - (g) and 31 TAC §361.21(h)(3) require the RFPG to hold one or more public meetings to obtain input from the public on the draft RFP. To supplement the 30-day meeting notice and the 60-day public comment period required by the TWC and 31 TAC, to promote awareness of the public meeting(s), and to help encourage public and stakeholder participation and input, the FNI Team will perform the following tasks:

Seven days in advance of the 30-day meeting notice and the beginning of the 60-day public comment period:

- Send an email announcement to those on the public and stakeholder distribution list;

Seven days in advance of the meeting:

- Send a reminder email meeting announcement to those on the public and stakeholder distribution list;
- Send an email to the councils of governments that cover some portion of Region 11 to request that they post the announcement on their websites;

²This virtual public meeting supplement will need to be reviewed with TWDB staff to determine if a virtual meeting option is possible and what meeting notice requirements will apply.

- Send an email to the San Antonio River Authority to request that they post the announcement of the upcoming meeting on the SCTRWPG website, and send a copy of the announcement to their SCTRWPG members;
- Send an email to the Region 10 and 12 RFPGs to request that they post the announcement of the upcoming meeting on their websites, and send a copy of the announcement to their flood planning group members;
- Send meeting announcement text to GBRA for both the RFPG and the GBRA websites; and
- Draft social media post text for GBRA to post on their social media accounts and distribute the message to the RFPG members for them to post on their accounts.

Three days in advance of the meeting:

- Send text to GBRA staff to incorporate into press releases announcing upcoming meeting.

The FNI Team will prepare draft email announcements listed above for the public meeting. The team will submit each announcement to GBRA staff for review no less than five days prior to their notice deadline. The announcements will include information about the meeting, a link to the draft RFP on the RFPG website, and an email address for submitting comments or questions, as applicable. After GBRA staff has approved each announcement, the team will work with GBRA staff to distribute the email announcements. Requests to receive announcements by USPS mail, if any, will be handled accordingly.

This plan presumes at least one in-person meeting will be held for this purpose after hours. A general checklist of action items to be completed and RFPG, GBRA and FNI Team roles and responsibilities are included as **Attachment B**. The meeting facility will be selected and reserved by GBRA staff, in close coordination with the RFPG.

The public meeting will be conducted so that attending stakeholders and the public can listen to the information being presented and view the presentation by the FNI Team. The team may distribute informational materials, such as Project-related handouts, and may present Project exhibits/display boards, etc. Informed and easily identifiable FNI Team members will register attendees, address questions and comments, and guide attendees through the public meeting process at the in-person meeting.

The in-person meeting may also be supplemented by a virtual public meeting.³ The virtual public meeting will be made available to access so the “meeting room” content is accessible for the entire 60-day public comment period. During the comment period, the public and stakeholders will be able to view the same information that was reviewed during the in-person meeting and will be able to leave comments or add their contact information in the virtual meeting room.

³This virtual public meeting supplement will need to be reviewed with TWDB staff to determine if a virtual meeting option is possible and what meeting notice requirements will apply.

4.0 CONCLUSION

Flood planning for the Guadalupe River basin is a transparent, public process where public and stakeholder participation is welcome and encouraged. It is the intent of the RFPG that the public and stakeholders understand that their insight is valuable and with it, the RFPG will be better able to address the flood needs of all communities in the Guadalupe River basin, and to help identify potential funding for these much-needed projects.

The outreach activities included in this PIP for the Project will allow the public and stakeholders to be informed about the Project and will encourage their interaction with the RFPG, GBRA, and the FNI Team. Overall, implementation of this PIP is intended to increase awareness of the regional flood planning process and allow any interested parties to play a role in the development of the 2023 Guadalupe Regional Flood Plan.

Attachment A

TWDB Regional Flood Planning Public Notification Quick Reference

Regional Flood Planning Public Notification Quick Reference*

Note: Consult 31 Texas Administrative Code (TAC) Chapters 361 and 362 and Texas Open Meetings Act for details.



Public Notifications		TAC Rule	Regional Flood Planning Group (RFPG) Action														
			Regular RFPG meetings	RFPG committee, subcommittee, and subgoup meetings	Requesting funds from the Board	Amendments to the RFP scope of work or budget	Submitting established deliverables to the Board or EA including technical memorandums	Selecting RFPG members to fill voting and non-voting position vacancies	Pre-planning public meetings to obtain input on development of the next RFP	Determining flood mitigation and floodplain management goals	Approving process for identifying potential FMEs and potentially feasible FMSs and FMPs	Adoption of the final RFP	Amendments to RFPs	Changing the number of and representation make-up of RFPG membership	First meeting at which the planning group will take public input related to the RFPG's draft RFP	Subsequent meetings at which the planning group will take public input related to the RFPG's draft RFP	
Meeting Notice Requirements																	
OPEN MEETINGS & PUBLIC INFORMATION ACTS	Each RFPG and any committee or subcommittee of an RFPG are subject to Chapters 551 [Open Meetings Act] and 552 [Public Information Act], Government Code.	361.21(a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	MINIMUM NOTICE (calendar days)																
	7 days prior to the meeting	361.21(h)(1)	✓	✓	✓	✓	✓	✓									✓
	14 days prior to the meeting	361.21(h)(2)							✓	✓	✓	✓	✓	✓			
	30 days prior to the meeting	361.21(h)(3)														✓	
CONTENT TO INCLUDE	Date, time, and location of the public meeting or hearing; Summary of the proposed action to be taken; The name, telephone number, email, and address of a RFPG contact to whom questions or requests for additional information may be submitted; A statement of how and when comments will be received from the members and public.	361.21(g)(1-4)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Information on how the public may submit comments	361.21(h)(3)(E)														✓	✓
	Summary of the regional flood plan	361.21(h)(3)(D)														✓	✓
ENTITIES TO NOTIFY	All voting and non-voting RFPG members	361.21(f)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Any person or entity who has requested notice of RFPG activities	361.21(f)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	All adjacent RFPGs	361.21(h)(3)(C)														✓	✓
WHERE TO POST	On the website of the RFPG	361.21(g)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Texas Secretary of State website	361.21(g)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Other Rule Requirements																	
WRITTEN COMMENT PERIOD** (calendar days)	14 days prior to the meeting	361.21(h)(2)							✓	✓	✓	✓	✓	✓			
	30 days prior to and 30 days following the meeting	361.21(h)(3)														✓	
MEETING MATERIALS POSTING (calendar days)	3 days prior to and 7 days following the meeting	361.21(h)(2)	✓	✓	✓	✓	✓	✓									✓
	7 days prior and 14 days following the meeting	361.21(h)(2)							✓	✓	✓	✓	✓	✓			
DOCUMENT PROVISION	The draft plan must be made available for public inspection online and a hard copy of the draft plan must be made available for public inspection in at least three publicly accessible locations within the region for at least 30 days prior to the first meeting and 30 days following the first meeting.	361.21(h)(3)(A,F)														✓	

***IMPORTANT NOTES**
 All meetings of subsets of the RFPG that constitute a quorum of the RFPG must be noticed appropriately.
 The best reference material for RFPG members to ensure that they are in compliance with notice requirements is the Texas Attorney General Office "Open Meetings Handbook 2020" available at: https://www.texasattorneygeneral.gov/sites/default/files/files/divisions/open-government/openmeetings_hb.pdf
 The Attorney General's Open Records Division maintains an Open Government Hotline to answer questions regarding open government laws. The Hotline can be reached at (877) 673-6839 (OPENTEX).
 To the extent an action by the RFPG could qualify under more than one row of this matrix (for instance, a regular meeting), the stricter notice requirements should be used.
 RFPGs may provide notice for various actions in a single notice. However, a document providing notice for multiple actions should describe all actions individually.
 RFPGs shall also provide additional region-specific public notice, if any, in accordance with their decision under §361.11(d)(6), including provision of print notices, if applicable.
 **RFPGs must provide a means by which it will accept written public comment prior to and after all meetings. Specific timelines prescribed by rule are noted in this section.

Attachment B

List of RFPG, GBRA and FNI Team Roles and Responsibilities

Attachment B

List of RFPG, GBRA and FNI Team Roles and Responsibilities

Tasks	Notes/Questions	Lead	Deadline	Comments
Region 11: Public meeting - Insert date ___ at insert location _____				
Notification & Location				
Venue	Confirm reservation.	GBRA		
Gather Stakeholder mailing list		B&A		
Develop Legally Required Notice (comply with notification requirements)	B&A to provide input. 31 TAC 361.21 (g)(1-4)	GBRA		
Translate Legally Required Notice	TBD			
Publish Legally Required Notice	31 TAC 361.21(h)(2) and 31 TAC 361.21 (h)(3) requires 14 days prior to pre-planning meeting and 30 days prior to public input meetings.	GBRA		
Draft Email Announcement		B&A		
Email Announcement to Stakeholders	21 days (pre-planning meeting) or 37 days (input on draft plan meeting) in advance	B&A		
Identify key stakeholders to post announcement at their office and website		B&A		
Draft Reminder Email Announcement		B&A		
Email Reminder Announcement	7 days in advance	B&A		
Draft Press Release		GBRA		
Draft Social Media Posts		B&A		
Social Media blast		GBRA and flood planning group members		
Post Meeting Materials	31 TAC 361.21(h)(2) requires to post meeting materials 7 days prior and 14 days following the meeting. Also, post press release	GBRA and FNI		
Meeting Materials				
Draft sign-in sheets (public, elected officials, media)		B&A		
Sign-in sheets for Public		B&A		
Sign-in sheets for Elected Officials		B&A		
Sign-in sheets for Media		B&A		
Draft Interactive Tool Questionnaire (English)		FNI and B&A		
Hard Copy of Interactive Tool Questionnaire - English		FNI and B&A		

Attachment B


List of RFPG, GBRA and FNI Team Roles and Responsibilities

Tasks	Notes/Questions	Lead	Deadline	Comments
Draft Interactive Tool Questionnaire (Spanish)	TBD			
Hard Copy of Interactive Tool Questionnaire - Spanish	TBD			
Name Tags (if needed)				
Door Signs (if needed)		B&A		
Draft script for Doug Miller	live and virtual	B&A		
Doug Miller Video	Virtual room	B&A		
Draft Presentation		FNI		
Presentation	live and virtual	FNI		
Draft Welcome Board		FNI and GBRA		
Welcome Board	live and virtual	FNI and GBRA		
Darft Map Display Board		B&A		
Map Display Board	live and virtual	FNI and B&A		
Hard Copy of Presentation	for planning group members. Jay to talk to Lauren	GBRA		
Website Postings	B&A to develop the content.	GBRA		
Handouts		GBRA		
<i>Pre Meeting Room Setup</i>				
Tables		All		
Chairs		All		
Computer		FNI		
Back-up Computer		B&A		
Projectors	Need to confirm			
Back-up Projector		FNI		
Projector Cables	Need to confirm			
Power Extension Cords		FNI		
Clicker		FNI		
Microphones (Sound System)	Need to confirm			
Easels	how many?	B&A		
Pens		B&A		
Laptops for Web Tool Stations (2)	Confirm with F&N	B&A		
Internet Hotspot	Need to confirm			
<i>During Meeting</i>				
Help at Sign In Tables and Distribute Handouts		B&A		
Facilitate Discussion	Coordinate with Doug Miller and GBRA.	GBRA		
Develop Meeting Facilitation Guidelines for Doug Miller	Need to confirm with GBRA.	B&A		

Attachment B

List of RFPG, GBRA and FNI Team Roles and Responsibilities

Tasks	Notes/Questions	Lead	Deadline	Comments
Note Taking		B&A		
Take Photos		GBRA and B&A		
Audio Recording for note taking purposes		B&A		
COVID-19 Protocol (if required by venues)				
Masks	Masks should be provided at sign-in desk with hand sanitizers.	B&A		
Hand Sanitizers		B&A		
6ft Social Distance Tape Markers	B&A will bring if necessary.	B&A		
Disinfectant Wipes		B&A		
Virtual Meeting (360 room) live August 3	<i>Virtual room will be left online for educational purposes after the two week comment period.</i>			
Exhibits (same as in-person)	B&A would like materials 30-45 days prior to going live.	B&A		
Electronic Comment/Survey form	Comment period will be open for two weeks after the last in-person meeting	B&A		
Electronic Sign-in form		B&A		
Interactive Comment Map		B&A		
Post Planning and Input Meetings and Virtual Meeting				
Compile Meeting Notes		B&A		
Compile Attendee List		B&A		
Gather Comments provided in-person and electronically		B&A		
Provide Meeting Summary		B&A		



Task 3
Flood Management/Mitigation
Practices & Goals

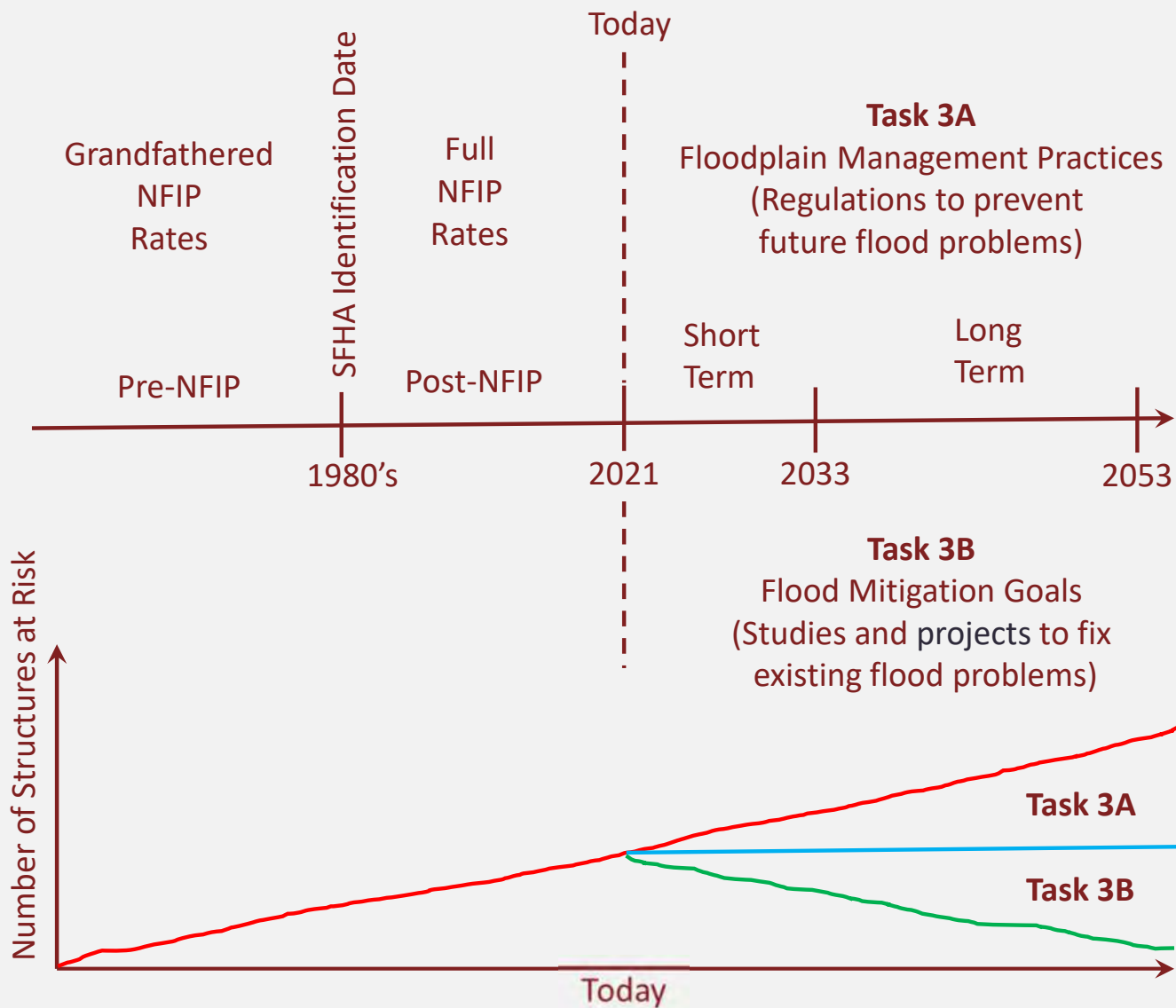


Floodplain Management Practices and Goals

-- The Challenge --

- **RFPGs evaluate and make recommendations on floodplain management practices and goals:**
 1. Identify and reduce the risk and impact to life from existing flooding and, importantly,
 2. Avoid increasing or creating new flood risk by addressing future development
- **RFPG can:**
 1. Recommend regional practices
 2. Adopt minimum standards as requirement for participating in plan

RFPGs may also choose to adopt.... each entity in the FPR must adopt prior to the RFPG including in the Regional Flood Plan...



Reducing Structures at Risk Over Time





Floodplain Management Considerations

- Low water crossings
- Buildings in the floodplain
- Accommodating Population Growth
- Adequacy of Ongoing Practices

Considerations

Low Water Crossings in Floodplain (preliminary)

County	# of Low Water Crossings
Blanco	35
Caldwell	45
Comal	91
DeWitt	18
Fayette	1
Gillespie	2
Gonzales	56
Goliad	4
Guadalupe	176
Hays	174
Kendall	31
Kerr	163
Travis	1
Victoria	7
Wilson	1
Total	805

Considerations

Buildings in the Floodplain (preliminary)

County	100-year	Between 100- & 500-year	100- & 500-year
Bandera	1	2	3
Bastrop	6	3	9
Blanco	135	199	334
Caldwell	801	467	1,268
Comal	2,245	5,022	7,267
DeWitt	2,040	902	2,942
Fayette	52	12	64
Gillespie	5	2	7
Gonzales	1,026	509	1,535
Goliad	141	92	233
Guadalupe	4,147	1,686	5,833
Hays	2,644	2,443	5,087
Karnes	6	1	7
Kendall	1,093	634	1,727
Kerr	2,660	2,760	5,420
Lavaca	0	0	-
Travis	4	0	4
Victoria	1,296	1,089	2,385
Wilson	18	3	21
Total			34,146

Considerations

Accommodating Population Growth

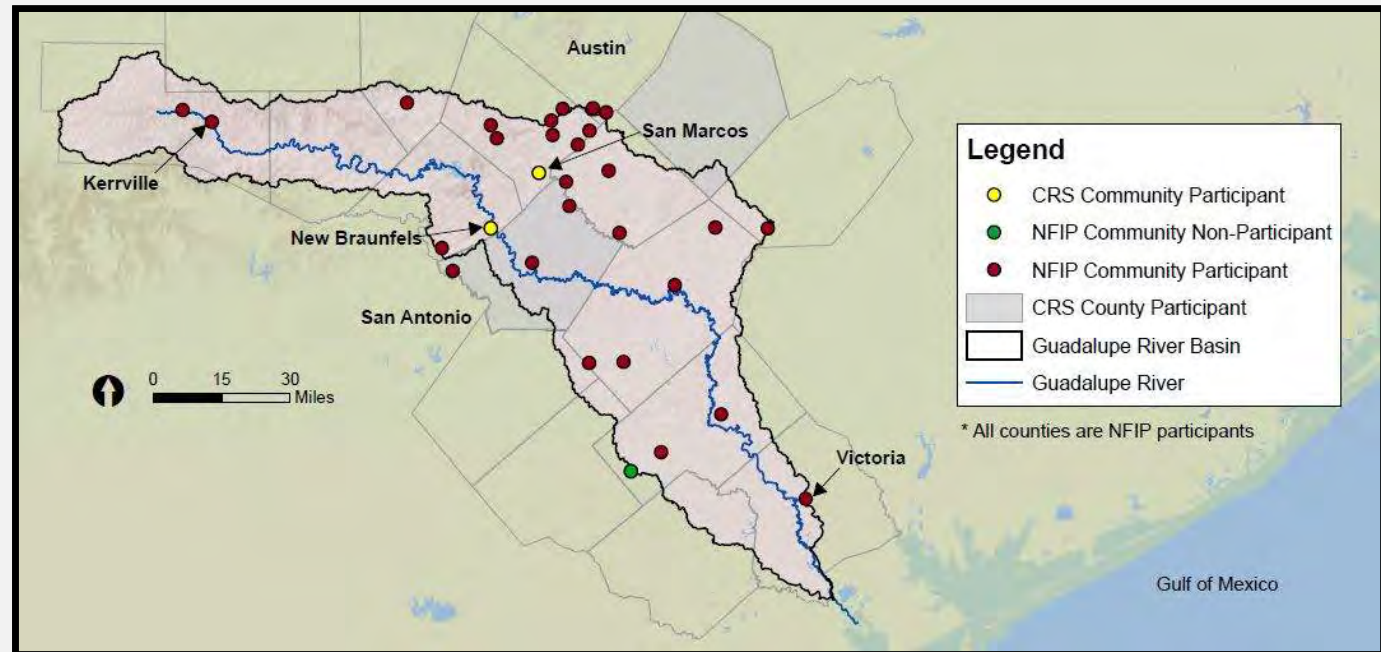
County	2020	2050	2070	
Kerr	52,644	58,665	60,725	
Kendall	42,185	73,308	94,549	
Hays	238,862	474,801	728,344	200%
Comal	152,499	276,239	357,464	135%
Caldwell	47,008	78,243	98,754	
Guadalupe	182,693	315,934	396,261	115%
Gonzales	21,751	28,330	33,256	
DeWitt	20,855	22,216	22,572	
Victoria	93,857	109,785	116,522	
Calhoun	24,037	32,276	37,454	
Blanco	13,015	17,672	18,472	

Basin	2020	2050	2070
Guadalupe River Basin Counties	876,391	1,469,797	1,945,901

Considerations

Adequacy of Ongoing Practices

- **National Flood Insurance Program (NFIP)**
 - 16 “Primary” counties and 16 are participants
 - 30 communities and 29 are participants
- **Community Rating System Implementation**
 - New Braunfels (class 8) San Marcos (7)
- **Ongoing Best Practices at Local Level?**



Interactive Session

On your phone or computer, go to:
www.menti.com

Use code: **4408 2966**



Please enter the code

You must enter a code to continue.

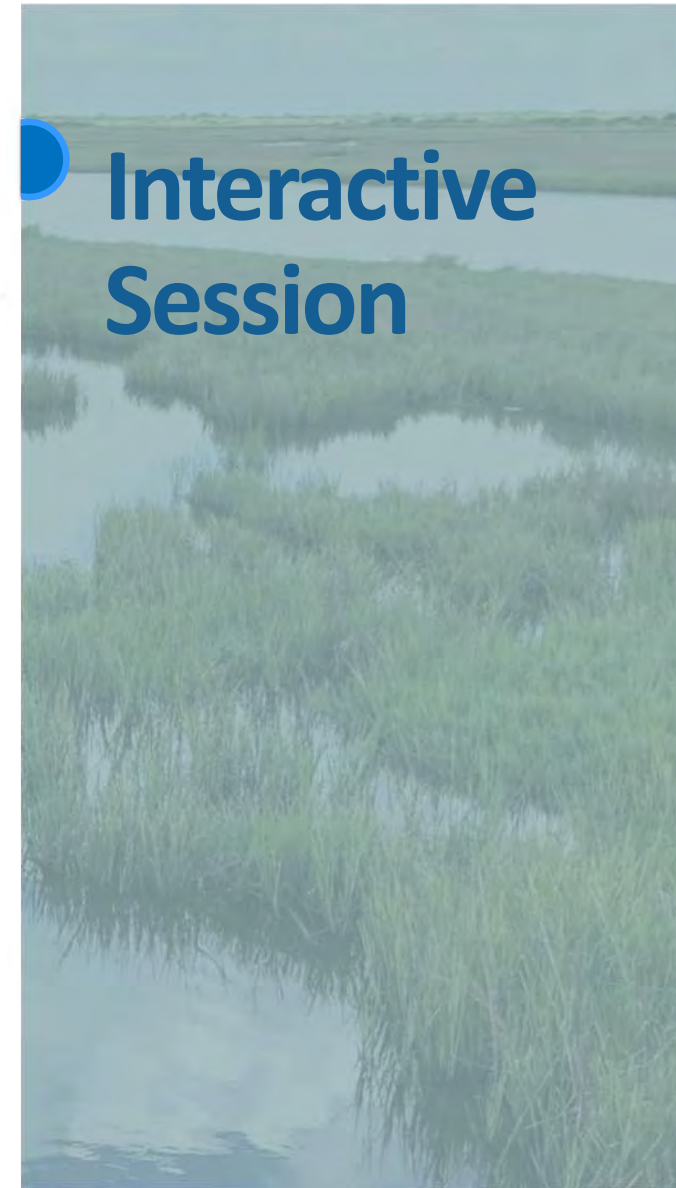
Submit

The code is found on the screen in front of you

Go to www.menti.com and use the code 4408 2966

Express with one word your top priority for the
Regional Flood Planning effort

 Mentimeter

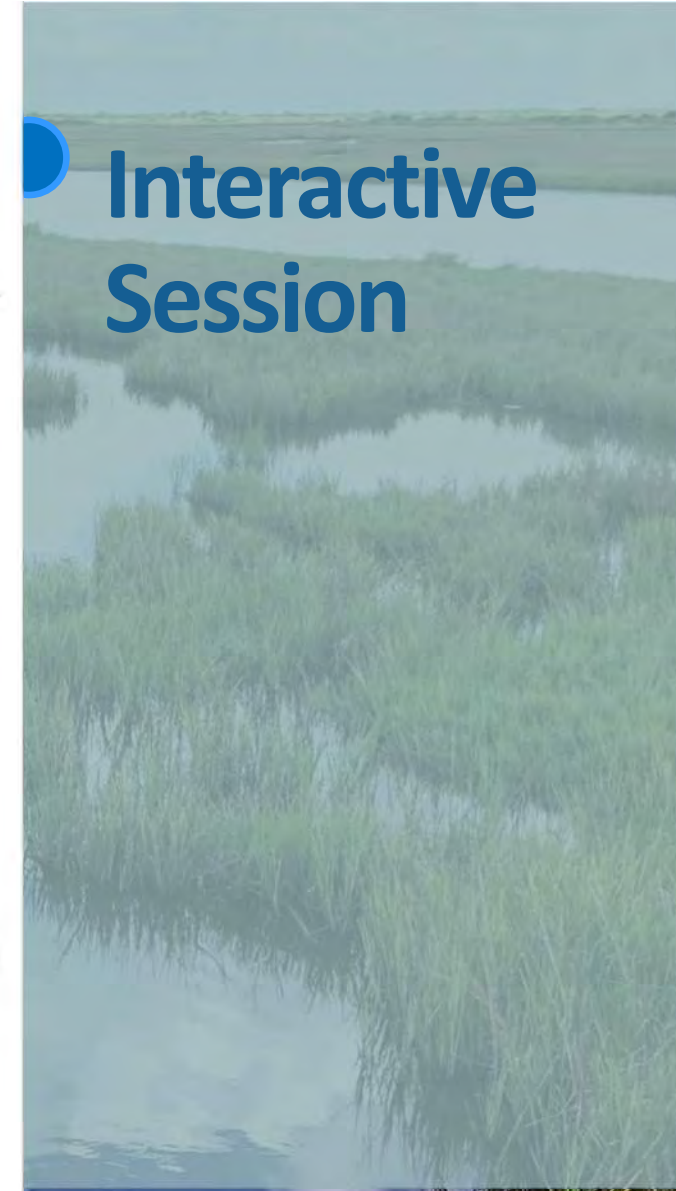


Go to www.menti.com and use the code 4408 2966

Does your interest category consider these issues an impediment to effective floodplain management?

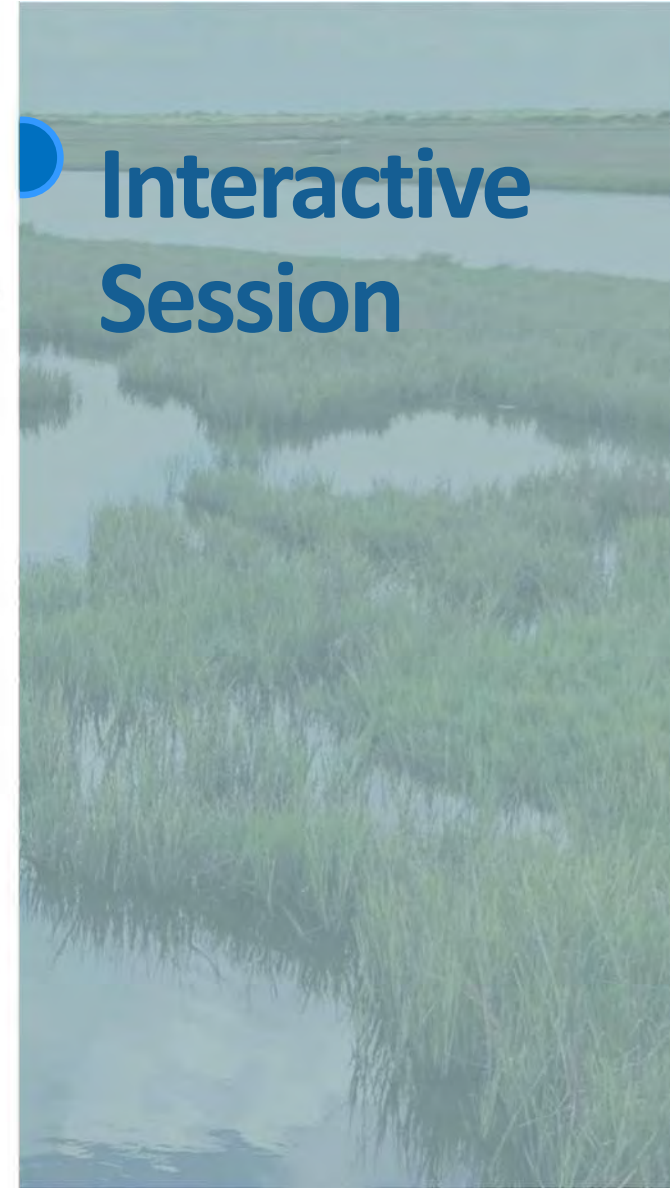


Mentimeter



Interactive Session

Go to www.menti.com and use the code 4408 2966



Interactive Session

Select the top 3 flooding concerns for your interest category:

0%

Flooded roadways

0%

Flooding of critical facilities

0%

Impacts to economic & agricultural production

0%

Damages to private property

0%

Potential for loss of human lives

0%

Unregulated development

0%

Inadequate Infrastructure

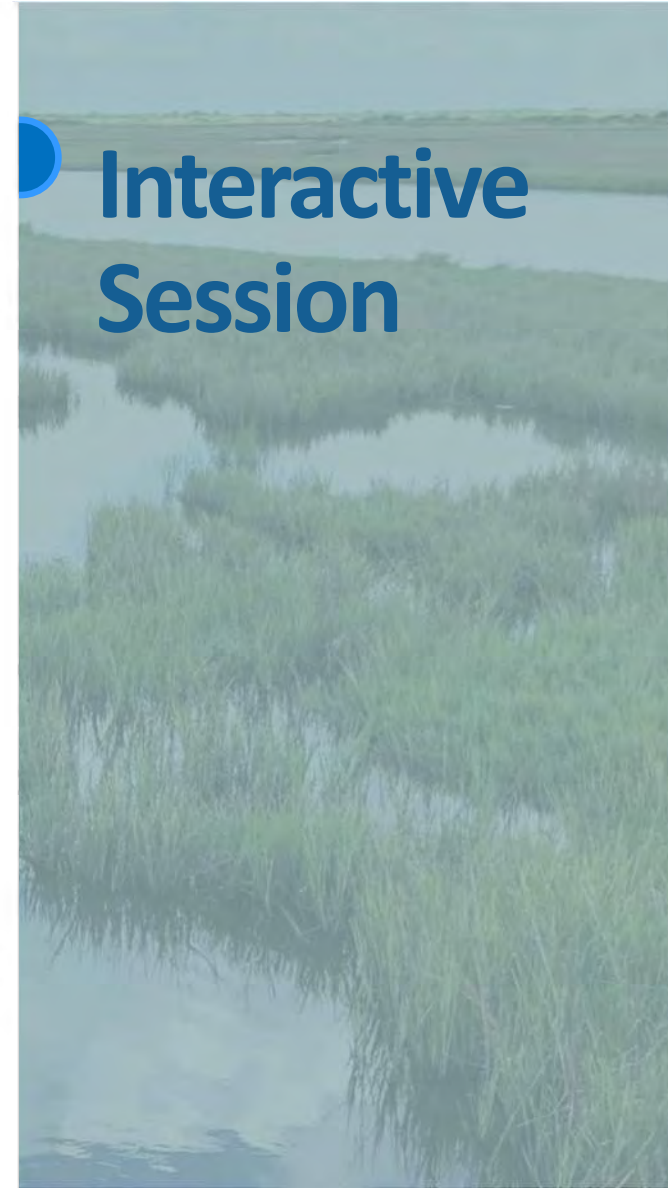
0%

Lack of flood risk data



Go to www.menti.com and use the code 4408 2966

Mentimeter



Interactive Session

How important are the following outcomes for a successful Regional Flood Plan?



Floodplain Management Standards



- Region 11 includes urban areas, rural areas and agricultural resources, and a diversity of watershed features
- Each community (City or County) adopts floodplain ordinance
- RFPG can:

Recommend

No pre-requisite. All FME, FMS and FMP can be considered in the Regional Flood Plan

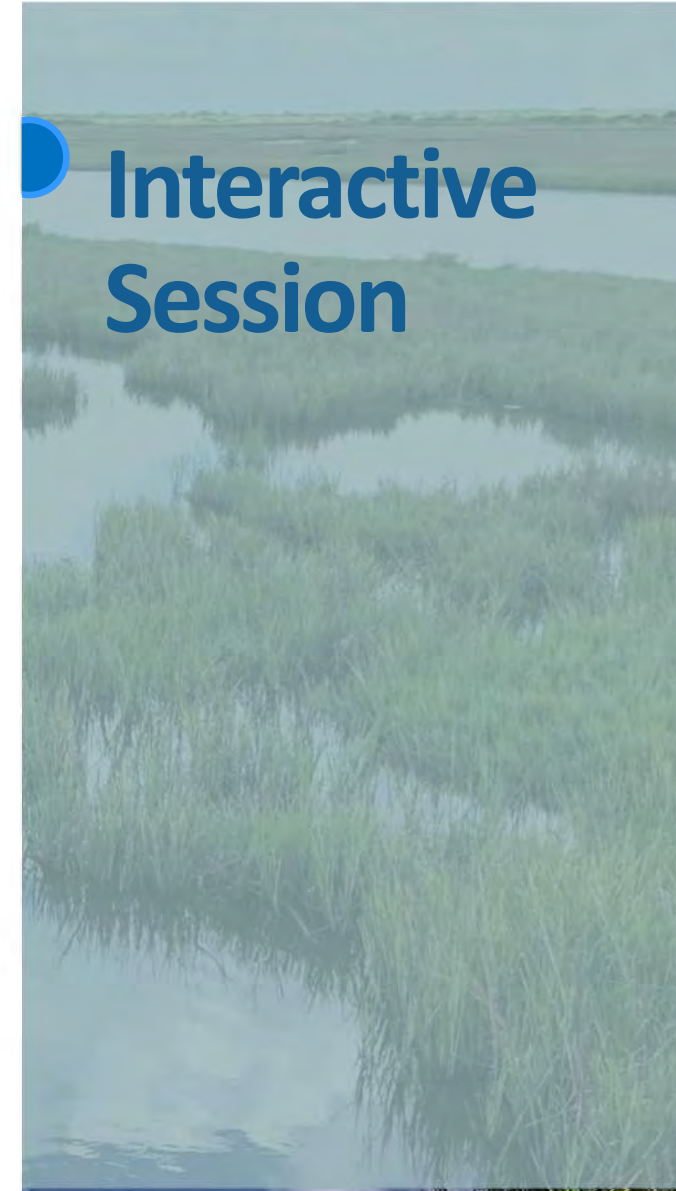
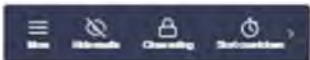
Adopt

Jurisdictions must meet adopted standards BEFORE FME, FMS or FMP can be considered for inclusion in the Regional Flood Plan

Go to www.menti.com and use the code 4408 2966

Indicate your initial preference with regard to regional floodplain management standards:

Strongly disagree	<p>The RFPG should RECOMMEND minimum standards for entities in the region.</p> <hr style="border: 1px solid #ccc;"/>	Strongly agree
	<p>The RFPG should ADOPT minimum standards for entities to be included in the flood plan.</p> <hr style="border: 1px solid #ccc;"/>	



Interactive Session



An aerial photograph of a floodplain. The landscape is a mix of green vegetation and blue water channels. The water channels are irregular and meandering, creating a complex network across the flat land. The vegetation appears to be a mix of grasses and other low-lying plants. The overall scene is a typical representation of a wetland or floodplain environment.

Floodplain Management Practices and Goals



Floodplain Management Practices

- **Regulatory**
 - Floodplain/buffer zones (no build?)
 - Stormwater detention
 - Roadway overtopping (design storm and depth)
 - Finished floor elevation and freeboard
 - Impervious cover management
- **Criteria**
 - Dam/embankment safety
 - Channel design
 - Storm drain
 - Low impact development incentives
 - Green Infrastructure
- **Land Conservation**
 - Conservation development incentives

Freeboard or Structural Elevation Practices

Floodplain Management Practices

Infrastructure	Type / Condition	Example Flood Protection Standard
Residential and Commercial Buildings	New Construction	Finished floor elevations 1 foot above 100-year Water Surface Elevation (WSE)
	Pre-Existing (Retrofit)	
Residential and Commercial Buildings	Coastal New Construction	Finished floor elevations 1 foot above the highest elevation of either the riverine or coastal BFE including the combined riverine and coastal effects
	Coastal Pre-Existing (Retrofit)	
Critical Facilities	New Construction	Finished floor elevations above the 500-year WSE
	Pre-Existing (Retrofit)	
Critical Facilities	Coastal New Construction	Finished floor elevations 1 foot above the highest elevation of either the riverine 500-year or coastal 100-year WSE including the combined riverine coastal effects
	Coastal Pre-Existing (Retrofit)	
Roadways	New Construction	5-year below top of curb and 100-year no more than 1 foot above the top of curb and contained within the right-of-way
	Pre-Existing (Retrofit)	
	Coastal New Construction	
	Coastal Pre-Existing (Retrofit)	
Culverts / Bridges	New Construction	Minor Roadways: Pass the 25-year and 100-year with no more than 1 foot of overtopping Major Roadways: Pass 100-year
	Pre-Existing (Retrofit)	
	Coastal New Construction	
	Coastal Pre-Existing (Retrofit)	
Storm Drainage Systems	New Construction	Convey 25-year flow underground and 100-year in the right-of-way
	Pre-Existing (Retrofit)	
	Coastal New Construction	
	Coastal Pre-Existing (Retrofit)	
Detention Facilities	New Construction	Detain proposed condition peak discharge for the 25-year and 100-year below or equal to the existing condition peak discharge
	Pre-Existing (Retrofit)	
	Coastal New Construction	
	Coastal Pre-Existing (Retrofit)	
Dams	Greater than 6 feet in height as well as other requirements based on hazard and size	TCEQ requirements
Levees / Floodwalls	Earthen embankments and floodwalls compliant with FEMA 44 CFR 65.10	TCEQ requirements
Property acquisition		Property acquisition considered in the flood planning will conform to property acquisition and relocation for open space (44 C.F.R. Part 80) requirements.

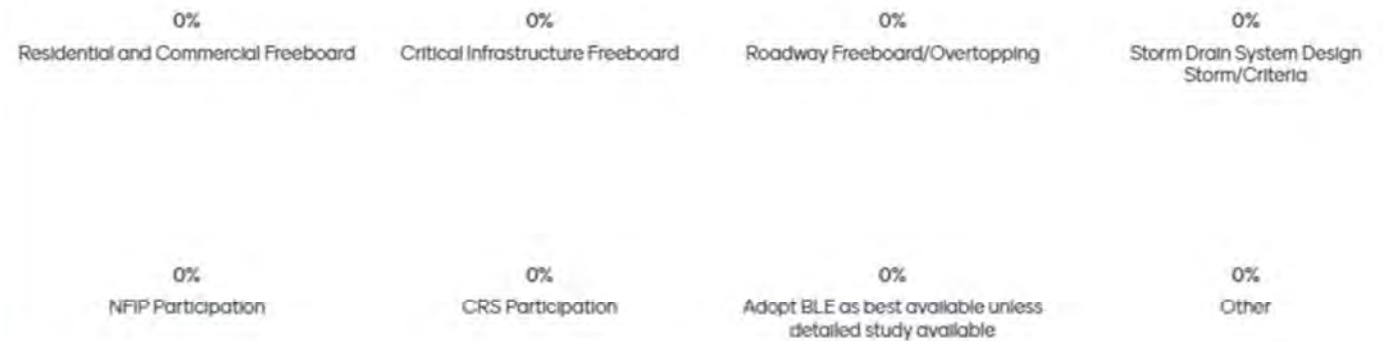
Floodplain Management Practices

Categories Survey

Go to www.menti.com and use the code 4408 2966

Potential Management Practices

Mentimeter



An aerial photograph of a vast wetland landscape. The terrain is a mosaic of green marshland and blue water channels. The water reflects the sky, which appears overcast. The vegetation is dense and green, interspersed with narrow, winding waterways. The overall scene is a natural, undisturbed wetland environment.

Flood Mitigation Goals

Flood Mitigation Goals



- Overarching goal of regional flood plans must be “to protect against the loss of life and property”
- **RFPGs must:**
 - Identify specific and achievable goals that, when implemented, will demonstrate progress towards this overarching goal;
 - Use these goals as a guide to carry out the flood mitigation needs analysis and recommend evaluations, strategies and projects
 - Establish goals that apply to the full flood planning region where possible.
 - In cases where tailoring goals to specific geographic areas is necessary, the RFPG must choose goals that apply to no less than an entire HUC-8 watershed or coterminous groups of HUC-8 watersheds.

Establish Preliminary Goals that:

- Make sense for the region
- Specific and achievable
- Short term (10 years) and long term (30 years)
- Consider connection between goals and recommended floodplain management standards/practices
- Consider minimum recommended flood protection goals provided by TWDB

Flood Mitigation Goals

FM Evaluations

FM Projects

FM Strategies



Floodplain Management Goal



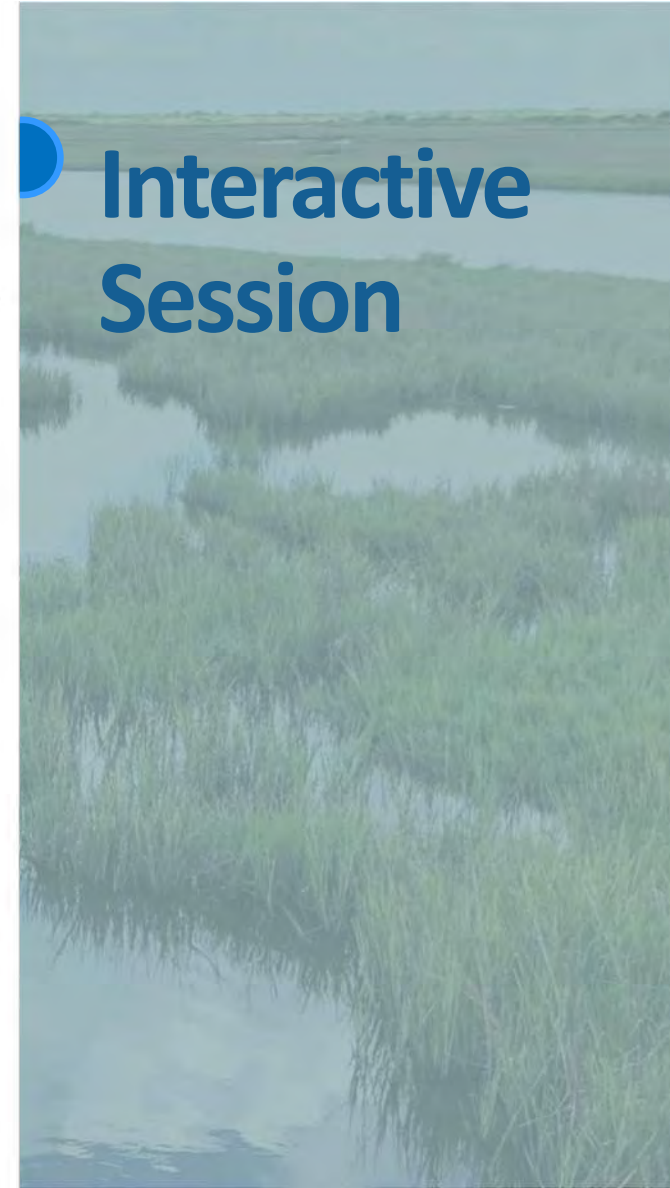
Short term (10 year)	Long term (30 year)
Reduce 5-year moving average of flood-related fatalities in the flood planning region by 50% by 2033.	Eliminate the occurrence of all flood-related fatalities in the flood planning region by 2053.
Reduce 5-year moving average of flood-related injuries in the flood planning region by 75% by 2033.	Eliminate the occurrence of flood-related injuries in the flood planning region by 2053.
Reduce exposure of existing structures in the current 1% annual chance floodplain by elevating, acquiring, relocating, or otherwise providing flood protection to 1,000 structures by 2033.	Reduce exposure of existing structures in the current 1% annual chance floodplain by elevating, acquiring, relocating, or otherwise providing flood protection to 10,000 structures by 2053.
Remove 50% of the existing structures from 1% annual chance floodplain in the region by 2033.	Remove 95% of the existing structures from 1% annual chance floodplain in the region by 2053.
Remove 50% of the low water crossings from 10% annual chance flood risk in the region by 2033.	Remove 90% of the low water crossings from 10% annual chance flood risk in the region by 2053.
By 2033, increase the coverage of flood hazard data across the region by completing studies in 50% of the areas identified as having current gaps in flood mapping.	By 2053, have complete coverage of flood hazard data across the region by completing studies in 100% of the areas identified as having current gaps in flood mapping and have an ongoing, funded maintenance plan for updates.
By 2033, enroll all current non-participating communities into the National Flood Insurance Program.	Maintain 100% community enrollment with no suspensions or sanctions.
By 2033, 25% of all communities have adopted higher than NFIP-minimum standards.	By 2053, 50% of all communities have adopted higher than NFIP-minimum standards.
By 2033, RFPGs will consider and incorporate nature-based practices in their flood risk reduction projects.	
By 2033, RFPG adopts minimum stormwater infrastructure design standards applicable across the region.	
By 2033, 50% of the region's population is part of a municipality that has a dedicated municipal drainage charge, drainage district fee, or other continuous funding mechanism.	By 2033, 90% of the region's population is part of a municipality that has a dedicated municipal drainage charge, drainage district fee, or other continuous funding mechanism.
By 2033, 50% of the communities have a documented, operational, and fully funded stormwater asset management plan and system.	By 2033, 75% of the communities have a documented, operational, and fully funded stormwater asset management plan and system.
Reduce flood-related loss of natural and cultural resources within the FPR by 2033.	Maximize safe economic development within flood prone areas.
Reduce any increases in future flood risk to life and property from development by regulating development in future conditions floodplains.	Eliminate any increases in future flood risk to life and property from development by regulating development in future conditions floodplains.

Task 3B - Floodplain Management Goal Categories



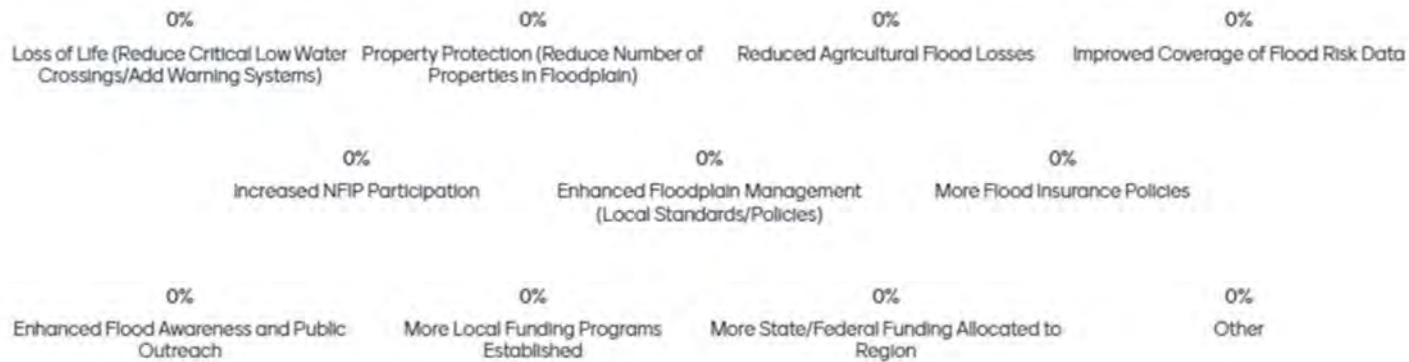
Mitigate Existing	<p>Loss of Life</p> <ul style="list-style-type: none"> • Reduce / eliminate flood related fatalities • Reduce / eliminate flood related injuries • Reduce / eliminate Low Water Crossings • Percent of Low Water Crossings with warning systems 	<p>Property Damage (Existing Structures)</p> <ul style="list-style-type: none"> • Remove from 1% ACE (100-year) floodplain • Remove Critical Structures from 0.2% ACE (500-year) floodplain • Increase coverage of detailed flood hazard data • Number of mitigated structures (acquired, elevated, flood proofed)
	<p>Floodplain Management</p> <ul style="list-style-type: none"> • Percent participating in NFIP • Percent adopted higher standards • Number participating in Community Rating System • Percent regulating future conditions floodplains 	<p>Funding</p> <ul style="list-style-type: none"> • Percent of region's population with a dedicated storm water utility fee or drainage district • Percent with a documented, operational, and fully funded stormwater asset management plan and system
Prevent Future		

Go to www.menti.com and use the code 4408 2966



Interactive Session

Potential Goal Categories (select all that apply)



- Most (not all) flood related deaths and injuries are at low water crossings
- It is always best to eliminate a low water crossing if possible / affordable
- If a low water crossing is not able to be eliminated, it can be mitigated with a range of flood warning systems



Flood Mitigation Goals

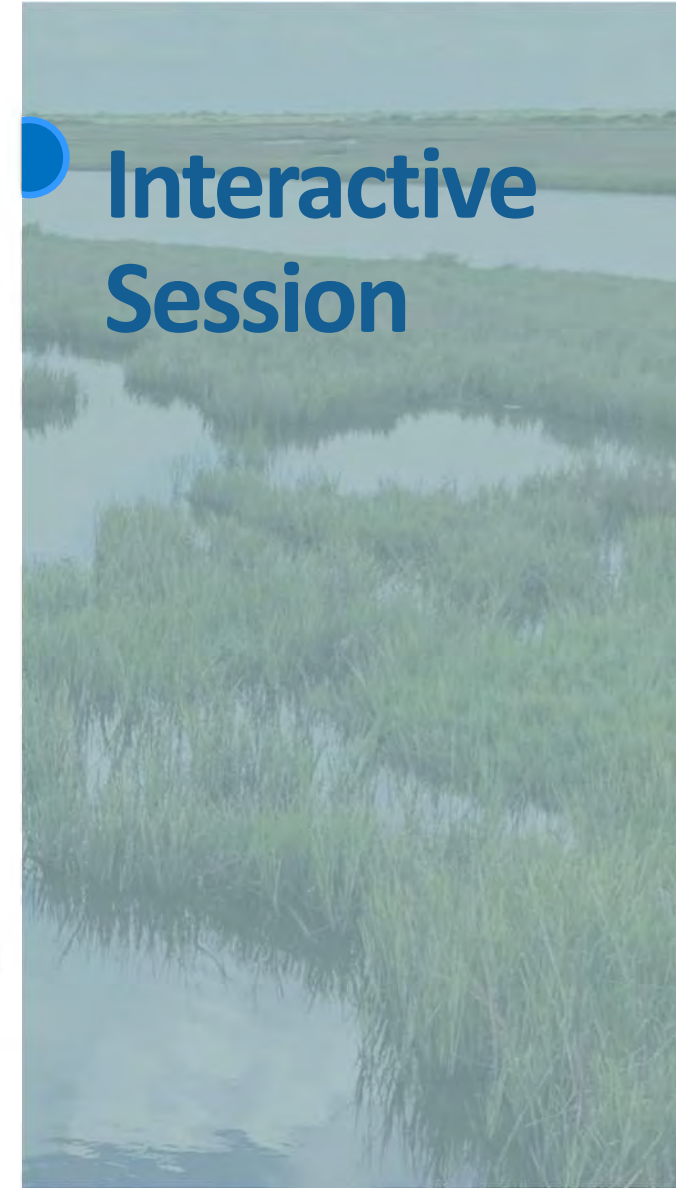
***Loss
of Life***

Go to www.menti.com and use the code 4408 2966

Loss of Life Potential Metrics

0	0	0	0	0
Flood related fatalities	Flood related injuries	Eliminated Low Water Crossings	Low Water Crossings with Warning Signs	Critical facilities with vulnerable populations

Mentimeter



- It is always best to remove a structure from the floodplain if possible / affordable
- Remove from Floodplain (Lower WSEL)
- Mitigate Structures (buyout, elevate, etc.)
- What is an acceptable residual risk?
- Critical Facilities



Flood Mitigation Goals

Structural Flood Damage



Flood Mitigation Goals

Critical Facilities

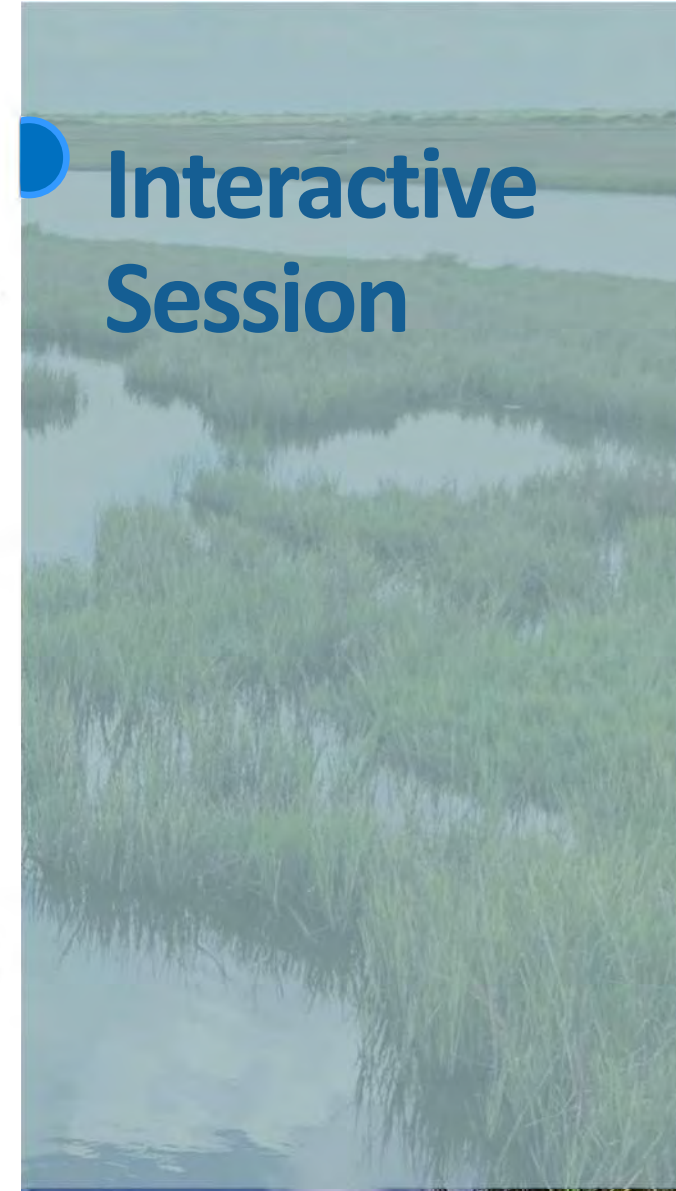
- **FEMA's definition**

- A critical facility provides services and functions essential to a community, especially during and after a disaster.
- Typical critical facilities include hospitals, fire stations, police stations; storage of critical records, and similar facilities

- **TWDB's definition in Technical Guidelines also includes:**

- Schools (K through 12th), schools for children with special needs
- Assisted living facilities, nursing homes
- Water and wastewater treatment plants, emergency shelters
- Power generating / transmitting facilities

Go to www.menti.com and use the code 4408 2966



Interactive Session

Property Damage Potential Metrics

0%

Structures removed from 1% (100-year)

0%

Critical facilities removed 0.2% (500-year)

0%

Structures removed from 10% (10-year)

0%

Structures acquired (bought & demolished)

0%

Structures elevated

0%

Structures flood proofed



- Detailed Study Areas – Agricultural

- National Resources Inventory (NRI)

- USDA to “...assess the status, conditions and trends of resources at 5-year intervals.”
- Conducted survey in 1977, 1982, 1987, 1992 and 1996 and 2001.

- National Agriculture Statistical Service (NASS)

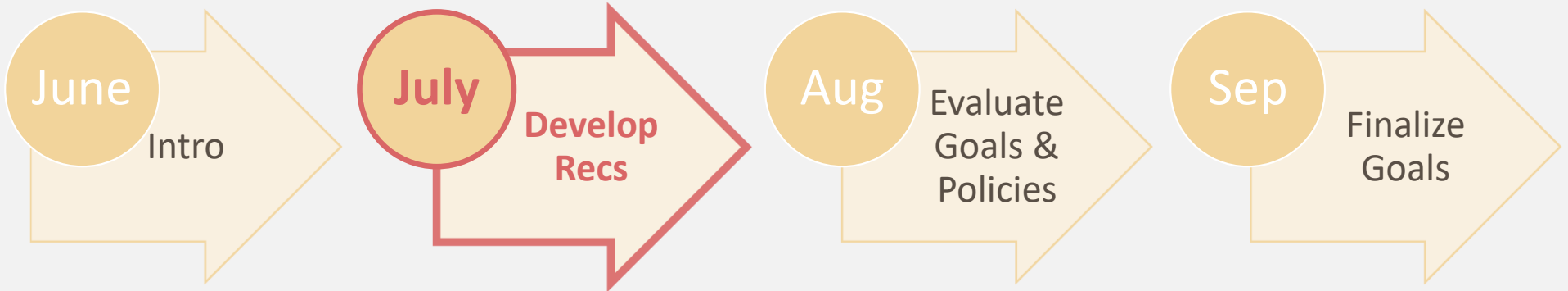
- Compiled annually by the NASS, a branch of the USDA
- Covers nearly every aspect of the agriculture industry
- Used primarily to assess and estimate crop yields and future industry planting
- Only county-wide data available.



**Flood
Mitigation
Goals**

***Agricultural
Damages***

Task 3A / 3B Workplan



3A	Floodplain Management 101	Policy Discussion	Policy Discussion	Draft Policies
3B		Draft Goal Categories	Draft Goal Recommendations	Finalize Goals



**Planning Group Discussion
Flood Management/Mitigation
Practices & Goals**

An aerial photograph of a vast wetland landscape. The terrain is a mosaic of green, marshy areas and winding, light-colored water channels. The water reflects the sky, which appears overcast. The overall scene is flat and expansive, stretching to a distant horizon.

Look Ahead

Schedule

Meeting	Milestone Goals
May	Contracting & Introductions
June 2	Kickoff and Preplanning Meeting
June 30	Task 1 Data Collection; Task 2 Floodplain Map Review; Task 3 Flood Policy/Goals Kickoff
August	Task 1 Update; Task 2 Update; Task 3 Discussion; Task 10 Outreach Plan; Preplanning Meeting
September	Task 1 Prelim List; Task 2 Update; Task 3 Draft Goals; Task 4 Screening
October	Task 3 Complete Goals (if needed); Task 4A Needs Analysis
November	Task 4B FMP, FMS, FME Identification; Task 4C Preliminary Memo
December	Task 4C Draft Technical Memo
January	January 7, 2022 Tech Memo to TWDB Task 5 Recommendation process begins

Agenda Item 9

Consider date and agenda items for next meeting

Agenda Item 10

Pre-Planning Public Input

Pre-Planning Public Input: The RFPG is soliciting public input regarding suggestions and recommendations as to issues, provisions, projects, and strategies that should be considered during the flood planning cycle and/or input on the development of the regional flood plan (as required per Texas Water Code §16.062 (d) and 31 Texas Administrative Code §361.12 (a)(4) and §361.21 (h)(2)(A)).

An aerial photograph of a wetland landscape. The scene is dominated by a network of blue water channels and ponds interspersed with lush green vegetation, likely marshes or reeds. The water reflects the sky, which is a pale, overcast blue. The overall impression is one of a vast, natural, and somewhat desolate environment.

Region 11 Guadalupe

Preplanning Public Meeting

August 4, 2021

Item 10

www.GuadalupeRFPG.org



Agenda

- Introductions
- Background
- Timeline
- Key Tasks
- Public Input
 - Additional Opportunities for Input
 - Virtual Meeting
 - Online Tools

Introductions: Flood Planning Organization



Guadalupe Regional Flood Planning Group



with





Introductions: Planning Group Members

Voting Member	Stakeholder Category
Doug Miller Chair	Agriculture
John Johnson, Vice Chair	Counties
Brian Perkins, Secretary	River Authorities
Kimberly Meitzen, At-Large	Public
Ronald Fieseler, At-Large	Water Districts
Lon Shell	Counties
Bobby Christmas	Electric Utilities
Annalisa Peace	Environmental
Beth Parker	Flood Districts
Kevin Stone	Industries
Joe Pantalion	Municipalities
Ken Gill	Municipalities
Ray Buck	River Authorities
Gian Villarreal	Small Business
Joseph McDaniel	Water Utilities



Introductions: Non-Voting Members and Liaisons

Non-Voting Member	Agency
Sue Reilly	Texas Parks and Wildlife Department
Natalie Johnson	Texas Division of Emergency Management
Jami McCool	Texas Department of Agriculture
Allen Nash	Texas Soil and Water Conservation Board
Kris Robles	General Land Office
Morgan White	Texas Water Development Board
Joel Klumpp	Texas Commission on Environmental Quality
Don Durden	Kendall County Commissioner, Pct. 4

Liaison	Representing
Patrick Brzozowski	Region 10
Suzanne Scott	Region 12

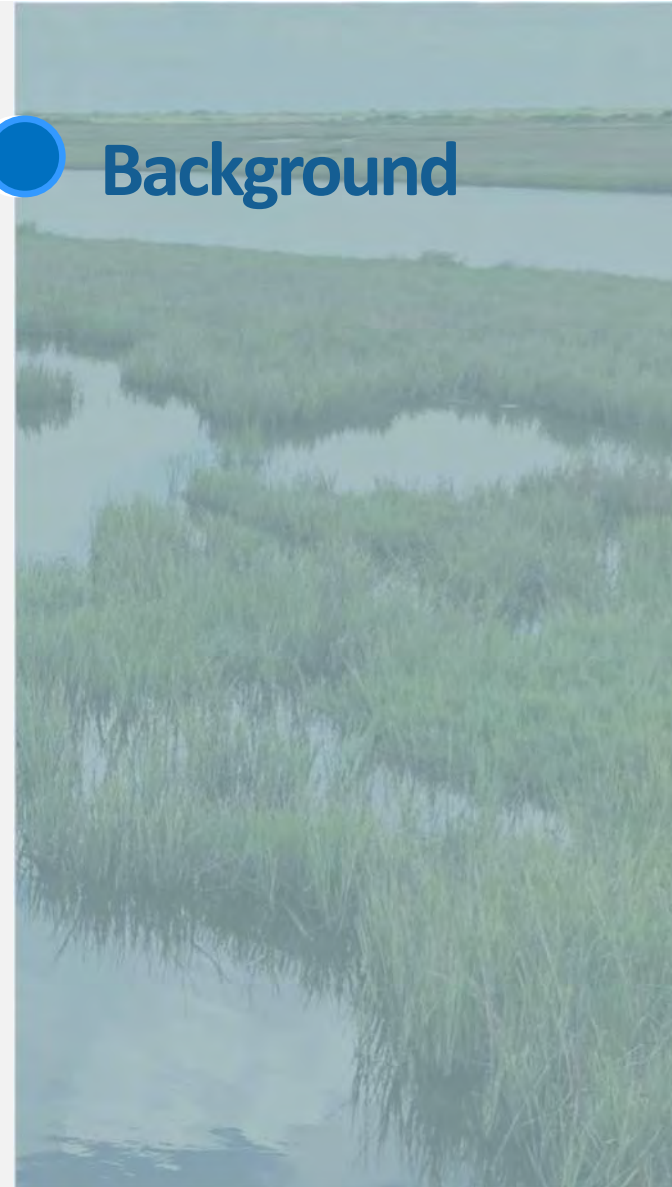
In the wake of historic flooding in Texas, the 2019 Texas Legislature passed Senate Bill 8 to:

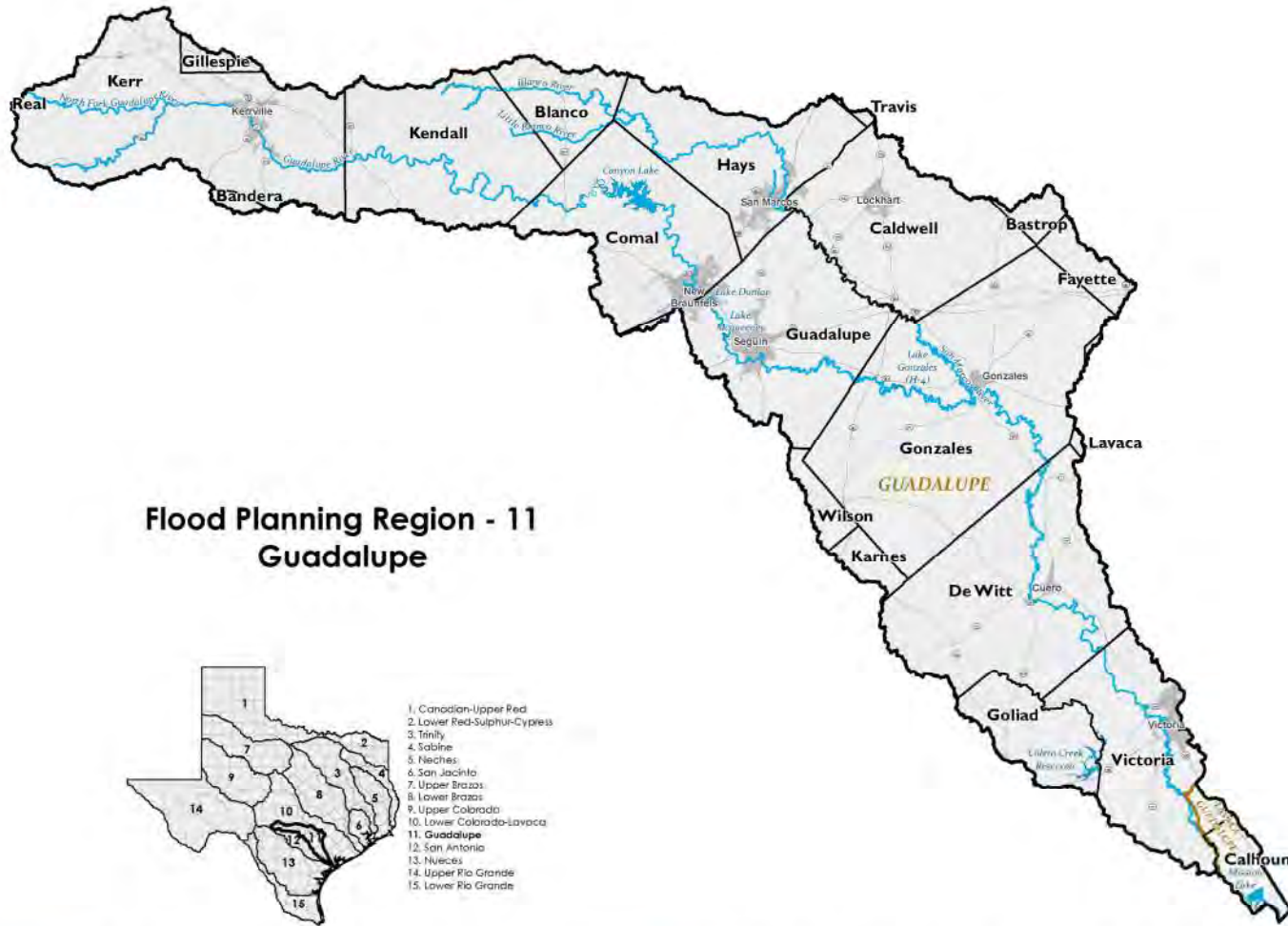
- Create Texas' first-ever regional and state flood planning process
- Provide funding for investments in flood science and mapping to support plan development
- Establish a state flood planning framework

As part of Senate Bill 8, the Texas Water Development Board (TWDB) was charged with creating the flood planning regions, rules, and administering the flood plan

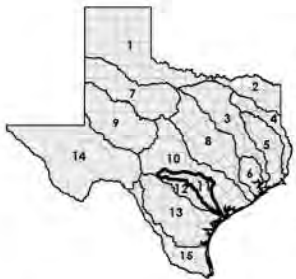


Background





Flood Planning Region - 11 Guadalupe



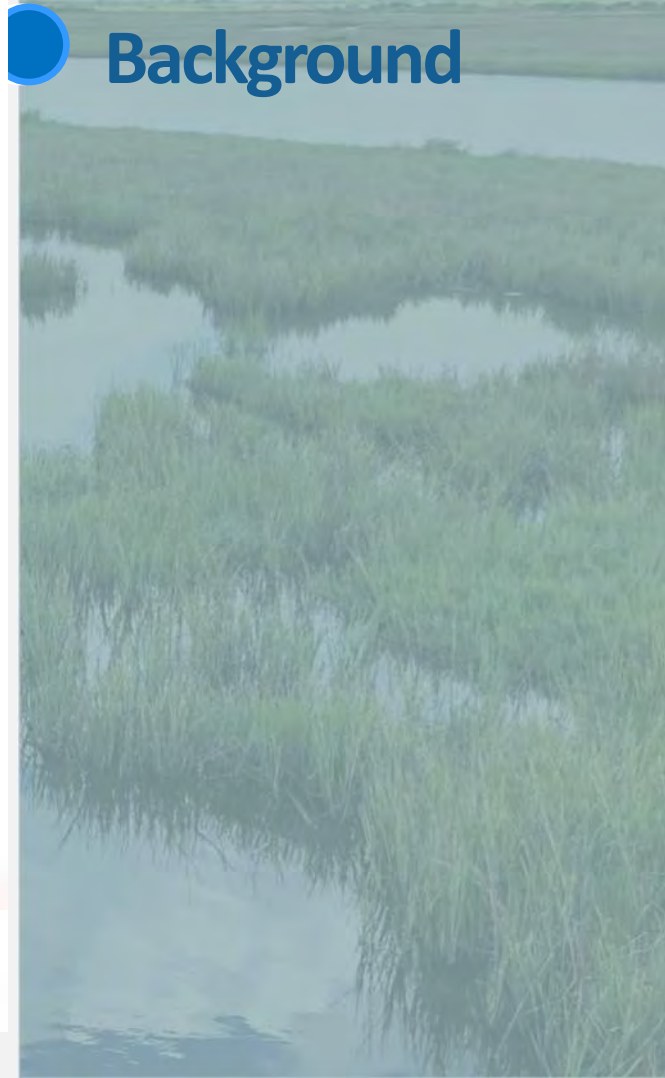
1. Canadian-Upper Red
2. Lower Red-Sulphur-Cypress
3. Trinity
4. Sabine
5. Neches
6. San Jacinto
7. Upper Brazos
8. Lower Brazos
9. Upper Colorado
10. Lower Colorado-Lavaca
11. Guadalupe
12. San Antonio
13. Nueces
14. Upper Rio Grande
15. Lower Rio Grande



DISCLAIMER: This map was generated by the Texas Water Development Board using GIS (Geographical Information System) software. No claims are made to the accuracy or completeness of the information shown herein nor to its suitability for a particular use. The scale and location of all mapped data are approximate. Map date: 05/01/2020

- County boundaries
- Major river basin boundaries
- Major roadways
- Major reservoirs
- Major rivers
- County seats

Texas Water Development Board
1700 North Congress Avenue, Austin, TX 78701
www.twdb.texas.gov • @twdb • facebook.com/twdbboard



Background

First Round of Flood Planning

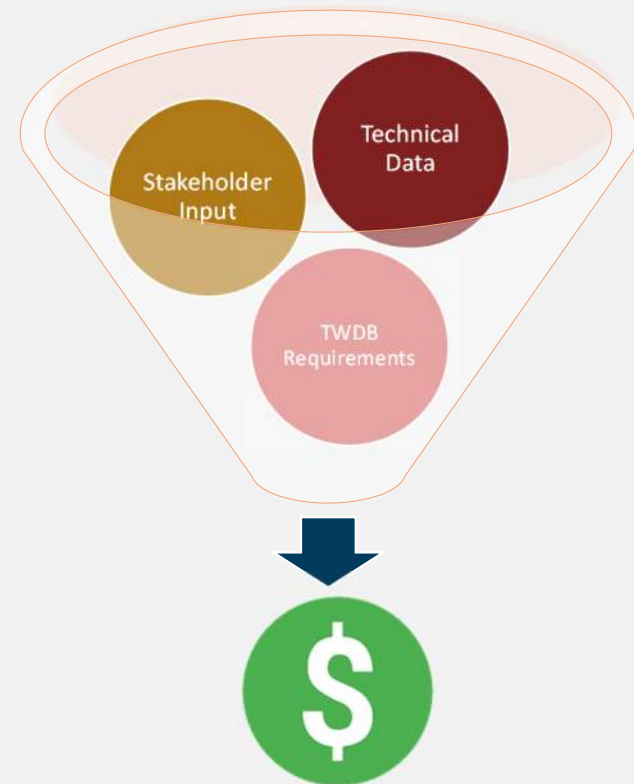


Why Should you Participate?

- A plan is only as good as the data
- Your insight is valuable
- The flood plan needs to represent ALL community needs
- No “one size fits all” solutions, unique needs for each basin in the region


Benefit

- Potential funding opportunities for projects




Additional legislation (Senate Bill 7) passed by the 2019 Legislature to create a new flood financial assistance fund:

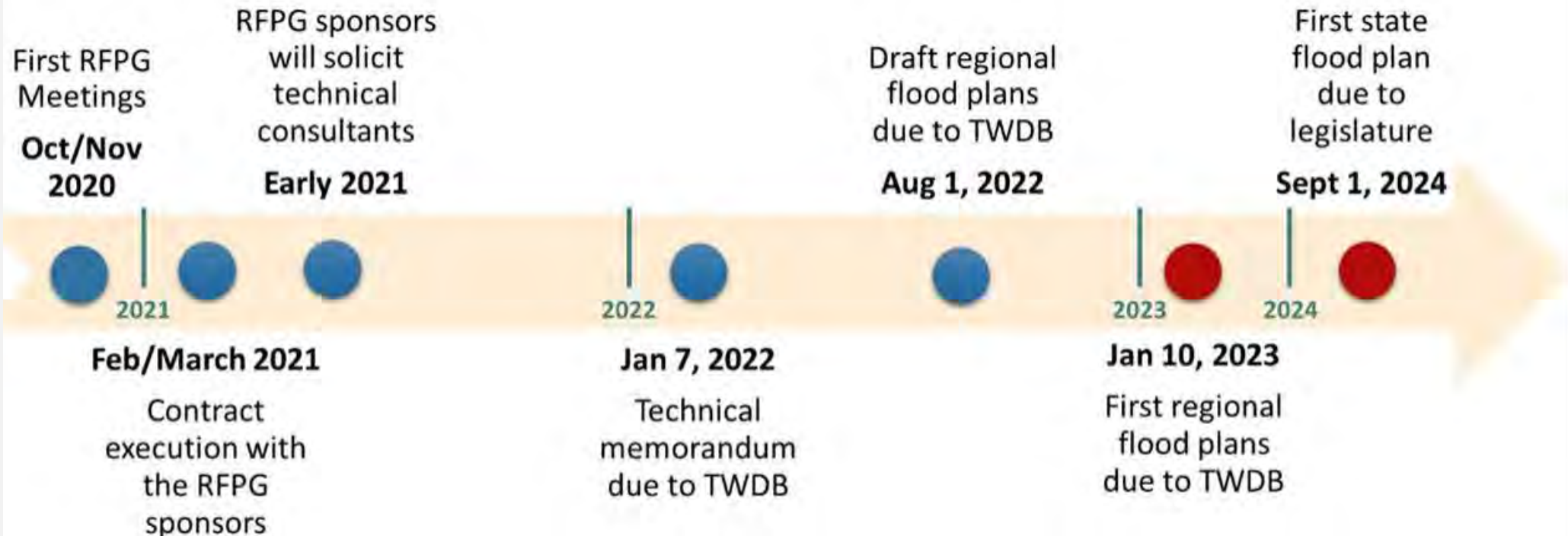
- Flood Infrastructure Fund
- Approved by voters in November 2019
- Intended to fund flood-related Strategies, Evaluations, and Projects included in the plan
 - One time funding
 - Competitive applications



**What is the
Flood
Infrastructure
Fund?**



Timeline



Key Tasks

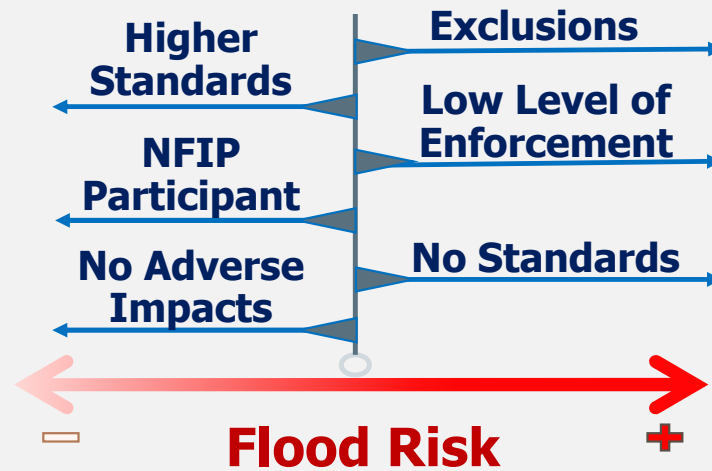
Gather Data

- Floodplain Ordinances
- Building Standards
- Design Standards
- Development Standards

Identify Flood Risk



Evaluate/Recommend Management Practices



Prepare Flood Plan



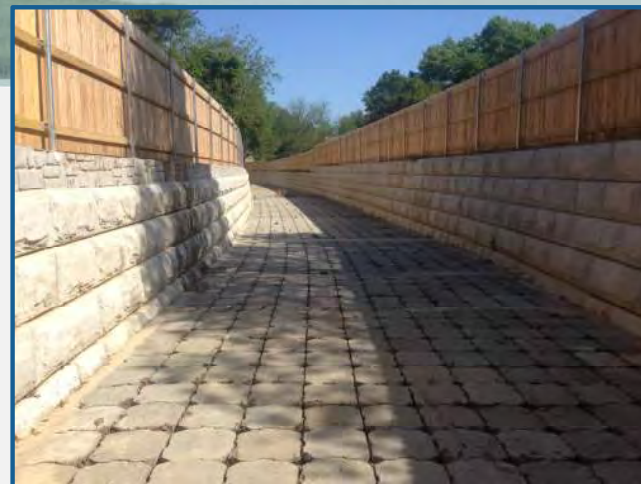


Source: Victoria Advocate (2019)

Data to Collect

- Public Input
- Historic flooding
 - Flood photos
 - News articles
- Past drainage/flood studies
- Existing drainage infrastructure
- Low water crossing locations
- Proposed/ongoing flood mitigation projects
- Floodplain management practices
- Future growth plans

Flood Mitigation Options



- RFBPG is reaching out to gather suggestions and recommendations as to issues, provisions, projects, and strategies that should be considered in development of regional flood plan.
- **Additional Opportunities for input:**
 - Public comments at every RFBPG meeting
 - RFBPG Website (GuadalupeRFBPG.org)
 - comments@guadalupefbpg.org
 - Public Meeting for Comments on Existing Flood Risk Map
 - Draft Regional Flood Plan



Public Input

- Virtual Preplanning Meeting
- Online Tools
 - Survey
 - Map
 - Data Submittals



Public Input

An aerial photograph of a vast wetland landscape. The terrain is a mosaic of green, marshy areas and winding, light-colored water channels. The water reflects the sky, which appears overcast. The overall scene is flat and expansive, typical of a coastal or estuarine wetland.

Demonstrations

An aerial photograph of a vast wetland area. The landscape is a complex network of water channels and green, marshy islands. The water is a pale blue-grey color, and the vegetation is a vibrant green. The horizon is flat and extends to the top of the frame. In the center, there is a semi-transparent blue rounded rectangle containing the text "Public Comments".

Public Comments

Agenda Item 11

Public General Comments

Public Comments limited to 3 minutes per speaker

Agenda Item 12

Adjourn