



# Region 11: Guadalupe Regional Flood Planning Group Meeting

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Wednesday, September 7, 2022  
4:30pm

# Agenda Item 1

## Call to Order

1. Attendance
2. Individuals attending in-person, please sign-in

# Agenda Item 2

Welcome

## Agenda Item 3

### Approval of Meeting Minutes

1. Approval of meeting minutes from July 27, 2022 Region 11 RFPG Meeting

**Meeting Minutes**  
**Region 11 Guadalupe Regional Flood Planning Group Meeting**  
**July 27, 2022 at 3:30 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 (arrived at 3:35pm)
John Johnston	<i>Counties</i>	X
Lon Shell	<i>Counties</i>	X
Bobby Christmas	<i>Electric Generating Utilities</i>	
Annalisa Peace Bill Barker*	<i>Environmental</i>	X (arrived at 3:37pm)
Doug Sethness Jennifer Urban*	<i>Flood districts</i>	X
Kevin Stone	<i>Industries</i>	
Joseph Pantalion John Espinoza*	<i>Municipalities</i>	X
Ken Gill	<i>Municipalities</i>	X
Dr. Kimberly Meitzen	<i>Public</i>	X
R. Brian Perkins Charlie Hickman*	<i>River Authorities</i>	X
Ray Buck Tara Bushnoe*	<i>River Authorities</i>	*
Gian Villarreal Tami Norton*	<i>Small Business</i>	X (arrived at 3:41pm)
Ronald (Ron) Fieseler Ben Eldridge*	<i>Water Districts</i>	X
Steven Fonville	<i>Water Utilities</i>	X

<u>Non-voting Member</u>	<u>Agency</u>	<u>Present(x)/Absent( )/ Alternate Present (*)</u>
Sue Reilly Beth Bendik*	Texas Parks and Wildlife Department	X
Hollie Hischer Bierbauer	Texas Division of Emergency Management	
Jami McCool Kristin Lambrecht*	Texas Department of Agriculture	X
Allen Nash	Texas State Soil and Water Conservation Board	
Kris Robles Teresa Williams*	General Land Office	
Ryke Moore	Texas Water Development Board (TWDB)	X
Joel Klumpp	Texas Commission on Environmental Quality	
Don Durden	Public	X
Doris Cooksey	Region 12 Liaison	
Patrick Brzozowski Scott Hartl*	Region 10 Liaison	

**Quorum:**

Quorum: **Yes**

Number of voting members or alternates representing voting members present: **13**

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

**Other Meeting Attendees:**

Lauren Willis, GBRA (Facilitator)

Ben Eldridge, Cibolo Center

Ram Mendoza, GBRA (IT)

Ken Motl, GBRA Director

Jay Scanlon, Freese & Nichols, Inc.

Ryan DeCamp, City of Luling

Adam Conner, Freese & Nichols, Inc.

John Westbrook, City of Luling

Velma Danielson, Blanton & Associates

Sarah Weber, Doucet & Associates

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

**AGENDA ITEM NO. 1: Call to Order**

Vice Chairman Johnston called the meeting to order at 3:31PM. Lauren Willis called roll of the planning group members to record attendance and a quorum was established.

**AGENDA ITEM NO. 2: Welcome**

Vice Chairman Johnston welcomed members to the meeting.

**AGENDA ITEM NO. 3: Approval of Minutes from the June 29, 2022 Region 11 RFPG Meeting**

Vice Chairman Johnston opened discussion on approving the minutes from the June 29, 2022 Region 11 RFPG Meeting.

A motion was made by Ken Gill to approve the June 29, 2022 Region 11 RFPG Meeting minutes. Doug Sethness seconded the motion. The meeting minutes were approved by consensus.

**AGENDA ITEM NO. 4: Region 11 Guadalupe RFPG Chair Updates**

Vice Chairman Johnston did not have any updates for the RFPG.

**AGENDA ITEM NO. 5: Texas Water Development Board (TWDB) Updates**

Ryke Moore reviewed the following items:

- Looking forward to reviewing the Draft Plans that are due on August 1, 2022
- GBRA to turn in next payment request
- Working on sub-contract amendments

**AGENDA ITEM NO. 6: Guadalupe Region 11 RFPG Sponsor Guadalupe-Blanco River Authority (GBRA) Updates**

Lauren Willis reviewed the following items:

- GBRA will be submitting FY22Q3 invoice reimbursement to TWDB
- Continue to check the website [quadalupeRFPG.org](http://www.quadalupeRFPG.org) for updates and materials

**AGENDA ITEM NO. 7: Discussion and potential action regarding administrative expenses to be submitted to the Texas Water Development Board for reimbursement.**

Lauren Willis reviewed the administrative costs for FY22Q3 (March 1, 2022 – May 31, 2022).

A motion was made by Joe Pantalione to approve the administrative expenses for FY22Q3 for reimbursement. Ron Fieseler seconded the motion. The motion was approved by consensus.

**AGENDA ITEM NO. 8: Discussion and potential action regarding Region 11 RFPG Technical Consultants work and schedule.**

Jay Scanlon overviewed the agenda, reviewed the process for Task 12 on recommendations of FMEs and reviewed the Look Ahead calendar. Velma Danielson, Blanton & Associates reviewed the comments matrix and provided updates and notice requirements for outreach of the Draft Flood Plan. Two meetings to be held in September, one in Kerrville on September 7th and one in Victoria on September 21st. The official comment period is August 8, 2022 – October 7, 2022. GBRA will provide any Press Releases and Public Service Announcements to the RFPG to help with distribution.

**a. Discussion and potential action approving the Draft Guadalupe Regional Flood Plan to be submitted to the TWDB by August 1, 2022**

Jay Scanlon reviewed the changes in Chapter 8. A discussion occurred about the recommendation combining Regional Water Planning and the Regional Flood Planning.

Chairman Miller opened the floor for discussion of approving the Draft Guadalupe Regional Flood Plan.

A motion was made by Doug Sethness to approve the Draft Guadalupe Regional Flood Plan. Ron Fieseler seconded the motion. The vote passed by a vote of 13 Ayes and 0 Nays.

**b. Discussion and possible action approving the list of Flood Mitigation Evaluations (FMEs) for Task 12.**

Jay Scanlon reviewed Task 12 and the objectives to identify FMEs that can be turned into a Flood Mitigation Projects (FMPs) for the amended plan. The list will be brought to the September 7<sup>th</sup> meeting. No action was taken on this item.

**AGENDA ITEM NO.9: Consider date and agenda items for next meeting**

The next meeting will be held on Wednesday, September 7th at 4:30pm at the Upper Guadalupe River Authority (UGRA) Auditorium, 125 Lehmann Dr, Kerrville, TX 78028.

**AGENDA ITEM NO. 10: Public General comments (Public comments limited to 3 minutes per speaker)**

Brian Perkins mentioned that GBRA is the Cooperative Technical Partner for the Guadalupe River Basin with FEMA. GBRA is taking ideas for Fiscal Year 2023 for updating flood models and mapping.

**AGENDA ITEM NO. 11: Adjourn**

Brian Perkins made a motion to adjourn. The motion was seconded by Doug Sethness. The motion passed by unanimous consent.

The meeting adjourned at 4:19 PM by Doug Miller.

*Approved by the Region 11 Guadalupe RFGP at a meeting held on September 7, 2022.*

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Brian Perkins, SECRETARY

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Doug Miller, CHAIR

Region 11 Guadalupe RFPG Chair Updates

## Agenda Item 4

Texas Water Development Board Updates

## Agenda Item 5

# Agenda Item 6

Guadalupe Region 11 RFPG Sponsor – GBRA  
Updates

# Agenda Item 7

Discussion regarding Region 11 RFPG Technical Consultants work and schedule.

A. Discussion and potential action approving the list of Flood Mitigation Evaluations (FMEs) for Task 12.

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

# **Region 11 Guadalupe**

Regional Flood Planning Group Meeting  
September 7, 2022

Item 7



# Agenda

Public Outreach Update

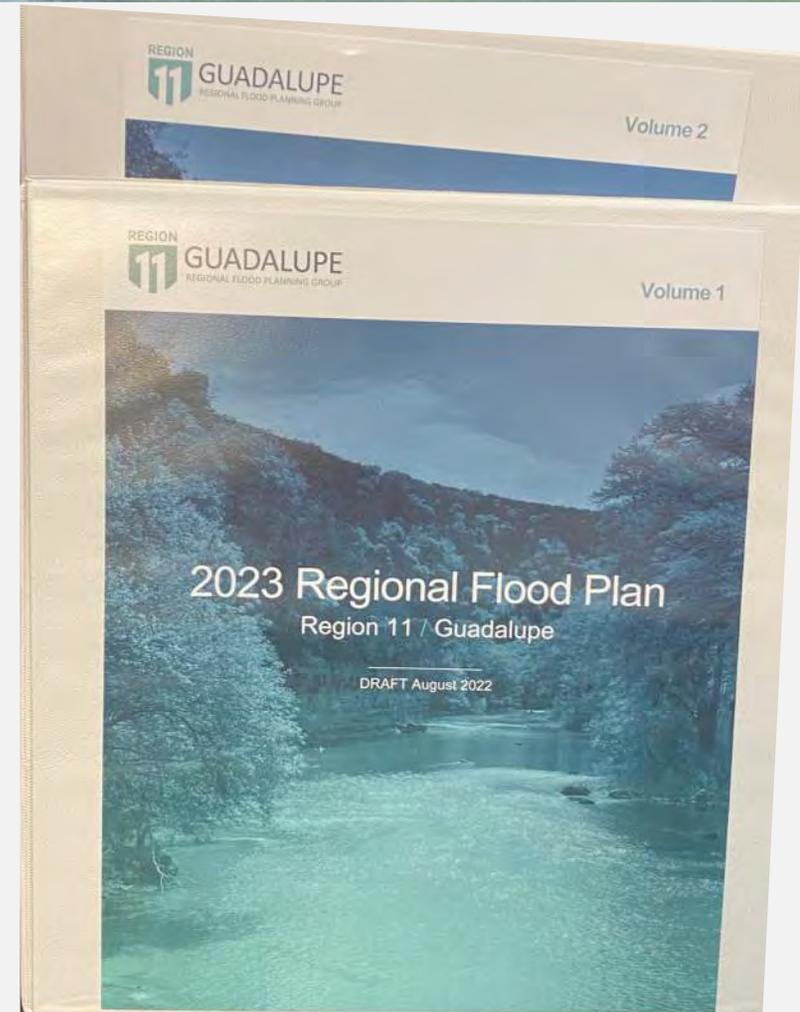
Task 12 Discussion

Look Ahead

# Public Outreach

## Draft Regional Flood Plan

- Submitted to TWDB (August 1, 2022)
- 60-day Review Underway (August 8 to October 7)
- Public Meetings
  - Public/RFPG Meeting (Items 9-11 Today)
  - September 21 (Victoria)
- No comments received to date





## Task 12 FMEs to be Performed

- **Flood Mitigation Evaluations to:**
  - Evaluate Flood Risk in Areas with limited data
  - Evaluate Flood Risk Solutions / Alternatives
  - Preliminary Engineering
- **More information / Time to bring RFPG Recommendations**
  - Overview of potential FMEs
  - RFPG input
  - Decision/vote at next RFPG Meeting
- **Types of FMEs (shortlist):**
  - Types of Projects:
    - Channel Improvements
    - Critical Infrastructure
    - Detention
    - Street and Drainage
    - Low Water Crossings
    - Larger/Systems
  - FMEs with Preliminary Engineering (13)
  - Some FMEs “In-Design” (fill gaps if need FIF funding)

# Task 12 FMEs to be Performed

## MEMORANDUM



Freese & Nichols  
10431 Morado Circle  
Austin, Texas 78759

10431 Morado Circle, Suite 300 • Austin, Texas 78759 • 512-517-3100 • FAX 817-735-7491

[www.fn.com](http://www.fn.com)

**TO:** Region 11 Regional Flood Planning Group  
**CC:** Project Files  
**FROM:** Jay Scanlon, P.E., Adam Conner  
**SUBJECT:** Task 12 Potential FMEs  
**DATE:** 8/29/2022  
**PROJECT:** GBA21362

As discussed at the previous Flood Planning Group meetings, the Texas Water Development Board Amendment includes funding in Task 12 for the purpose of performing Flood Management Evaluations (FMEs) recommended in the Draft Regional Flood Plan, with the goal of advancing those to Flood Mitigation Projects (FMPs) in the July 2023 Amended Regional Flood Plan. The funding is limited, thus the number of FMEs that can be completed is limited and the Planning Group must approve the FMEs to be done.

Our Team is working through the FMEs to generate a list of recommended FMEs to be completed. We planned to present the initial list in September 2022; however, as we are reviewing the list we recognize the need to reach out to local communities for additional information and clarification. The additional information will allow us to better assess the level of effort needed, determine if the sponsor supports development of the FMP, and/or determine if the sponsor plans to apply for future Flood Infrastructure Funds (FIF) to implement the project.

We have narrowed the FME list to about 50 potential FMEs (attached). As we work to develop the recommended list we would appreciate your guidance/preferences for how we do so. Here are some common threads we are seeing and contemplating as part of the decision:

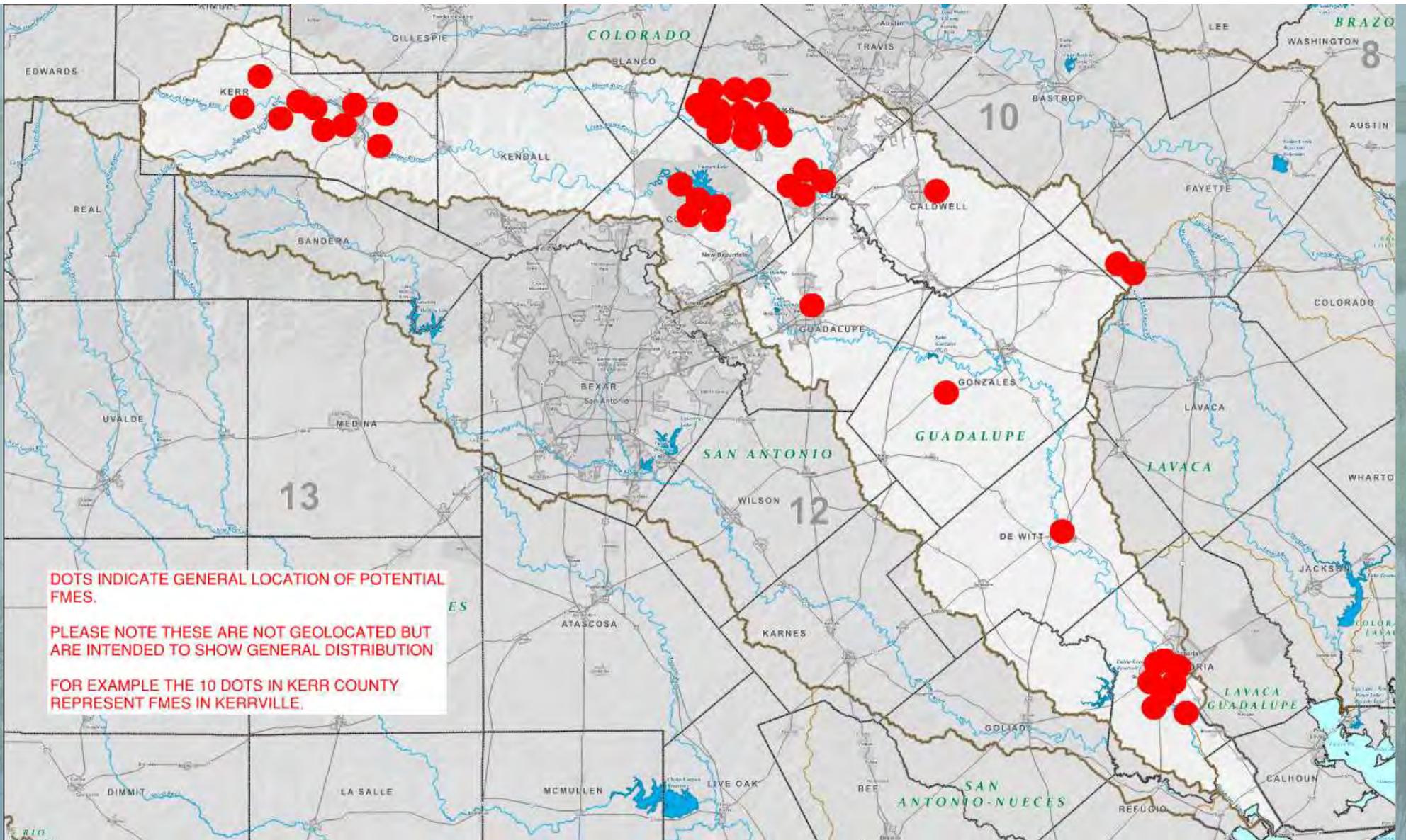
- Ten (10) of the FMEs were identified as having completed preliminary engineering reports; however, these FMEs are concentrated in Kerrville and Victoria.
- Eight (8) FMEs are in design so detailed engineering is complete; however, these are generally missing benefit-cost-analyses needed to be shown as an FMP. Depending on the timing of construction and whether or not the sponsor plans to apply for future FIF money these may fall off the list of be considered low hanging fruit.
- Twenty-three (23) Low Water Crossings identified but some additional crossings may have been identified in the Victoria PER.

While we continue to vet the potential FMEs we wanted to request your input/guidance to develop the list of recommended FMEs. Based on preliminary estimates of effort we anticipate that the team will be able to complete 5 or 6 FMEs but that number could increase or decrease depending on the actual FME. To that end, we have attached a template scope and budget form we will use to document the FMEs to be performed as well as our "working list" for your review and input.

FME ID	FME Name	Description	Counties	Sponsor	Status	Notes
11100007	Caldwell County Emergency Service District #4 Fire Station 2 Project Planning	Planning for proposed project to build a well and raise driveway of Fire Station 2 to prevent inundation of facility and to keep station in service during major storm events.	Caldwell	Caldwell County Emergency Service District #4	Unknown	No information
11100043	City of New Braunfels - Box Culvert Installation to Reduce Flood Risk on Blieders Creek, Comal River and Landa Park Project Planning	Project planning for proposed drainage improvements project to reduce flooding in the Blieders Creek and German Creek watersheds by conveying flows to the Guadalupe River. The project is also intended to relieve flooding in the Landa Park areas.	Comal	New Braunfels	Unknown	Part of FIF? Timing?
11100044	City of New Braunfels Faust St / Nacogdoches Ave Improvements Project Planning	Study to analyze drainage conveyance and flooding issues within the Faust Street and Nacogdoches Avenue area and project planning for solutions within project area.	Comal	New Braunfels	Unknown	Part of FIF? Timing?
111000100	Comal County Master WID River Road Low Water Crossing Improvement Project Planning	Project planning for proposed project to implement low water crossing improvements at River Road.	Comal	Comal Master WID	Unknown	No information
111000103	City of Cuero WWTP Floodproofing Project Planning	Project planning to floodproof/retrofit older components of the Cuero Wastewater Treatment Plant subject to flooding.	De Witt	Cuero	Unknown	Determine conceptual project and effort to model/design
111000015	City of Flatonia Drainage Project Planning	Project planning for proposed project to make culvert and drainage ditch improvements from just south of the Union Pacific Railroad at US 90 to the north side frontage road of I-10.	Fayette	Flatonia	Unknown	Are there existing models or conceptual/preliminary design
111000016	City of Flatonia WWTP Floodproofing Project Planning	Project planning for proposed project to floodproof Waste Water Treatment Plant	Fayette	Flatonia	Unknown	Determine conceptual project and effort to model/design
111000008	Canyon Regional WA Hays Caldwell Water Treatment Plant Floodwall Project Planning	Project planning for Canyon Regional WA - Hays Caldwell Water Treatment Plant Floodwall Project	Guadalupe	Canyon Regional Water Authority	In Design	Depends on timing of construction and funding needs (need FIF funding or not)
111000067	City of Seguin Sewage Treatment Plant Floodproofing Project Planning	Project planning for proposed project to flood-proof sewage treatment plants in flood hazard / low-lying areas.	Guadalupe	Seguin	Unknown	Determine conceptual project and effort to model/design
111000054	City of San Marcos Regional Detention Study	Study of solutions for regional detention and water quality strategies.	Guadalupe,Caldwell,Hays	San Marcos	In Design	Depends on timing of construction and funding needs (need FIF funding or not)
111000056	City of San Marcos Low Water Crossing at Jackman Project Planning	Project planning to replace low water crossing at Jackman	Hays	San Marcos	In Design	Depends on timing of construction and funding needs (need FIF funding or not)
111000057	City of San Marcos Low Water Crossing at Mitchell and Purgatory Creek Project Planning	Project planning to replace low water crossing at Mitchell and Purgatory Creek	Hays	San Marcos	In Design	Depends on timing of construction and funding needs (need FIF funding or not)
111000058	City of San Marcos LWC at River Road and Railroad Trestle/Blanco River Project Planning	Project planning to replace low water crossing at River Road and Railroad Trestle/Blanco River	Hays	San Marcos	In Design	Depends on timing of construction and funding needs (need FIF funding or not)
111000059	City of San Marcos LWC at S LBJ and Purgatory Creek Project Planning	Project planning to replace low water crossing at S LBJ and Purgatory Creek	Hays	San Marcos	In Design	Depends on timing of construction and funding needs (need FIF funding or not)
111000114	Hays County Drainage Project Planning (Willow Springs Creek between McCarty Lane and Hunter Road)	Project planning for channel improvement and/or property acquisition project to reduce flood damages along Willow Springs Creek from McCarty Lane to Hunter Road.	Hays	Hays Co	Unknown	Are there existing models or conceptual/preliminary design
111000115	Hays County Drainage Project Planning (Willow Springs Creek between Hunter Rd and the Railroad)	Project planning for detention project to reduce flood damages along Willow Springs Creek from Hunter Road to the railroad.	Hays	Hays Co	Unknown	Are there existing models or conceptual/preliminary design
111000093	City of Wimberley River Road Reconstruction Project Planning	Project planning for proposed project to reconstruct roadway along Blanco River	Hays	Wimberley	Unknown	Appears to be parallel road rather than LWC

FME ID	FME Name	Description	Counties	Sponsor	Status	Notes
111000081	City of Wimberley FM 1492 at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Blanco River	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000082	City of Wimberley Hidden Valley at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Hidden Valley at Blanco River	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000083	City of Wimberley Little Arkansas at Blanco River Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Little Arkansas at Blanco River	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000084	City of Wimberley Valley Drive at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Valley Drive at Pierce Creek	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000086	City of Wimberley FM 1492 at Pierce Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at FM 1492 at Pierce Creek	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000087	City of Wimberley Wilson Creek at River Road Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Wilson Creek at River Road	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000088	City of Wimberley Green Acres Dr. at Fire Station Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Green Acres Dr. at Fire Station	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000089	City of Wimberley Leveritt's Loop Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Leveritt's Loop	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000090	City of Wimberley Spoke Hollow Dr. at Spoke Pile Creek Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Spoke Hollow Dr. at Spoke Pile Creek	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000091	City of Wimberley River Road at Western City Limit Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at River Road at Western City Limit	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000092	City of Wimberley Paradise Hills Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Paradise Hills	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000094	City of Wimberley Little Ranches at Panther Creek Low Water Crossing Project Planning	Project planning for proposed project to reconstruct low water crossing and roadway at Little Ranches at Panther Creek	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000095	City of Wimberley Hoots Holler Low Water Crossing Project Planning	Project planning for proposed project to reconstruct low water crossing and roadway at Hoots Holler	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000085	City of Wimberley Flite Acres Road Low Water Crossing Project Planning	Project planning for proposed project to replace low water crossing at Flite Acres Road	Hays	Wimberley	Unknown	Atlas 14 updates and preliminary design
111000031	City of Kerrville Harper Road to Town Creek (Fay Drive) Drainage Improvements Study	Study of solutions to implement drainage improvements on Harper Road to Town Creek (Fay Drive).	Kerr	Kerrville	Concept	Concept - determine how much preliminary engineering done
111000122	Kerr County Center Point Storm Drainage Infrastructure Project Planning	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	Kerr	Kerr Co	In Design	Depends on timing of construction and funding needs (need FIF funding or not)
111000022	City of Kerrville Pinto Trail Project Planning	Project planning for proposed project to provide flood relief to the properties adjacent to the channel at risk of flooding, including widening existing channels, constructing a grass-lined trapezoidal channel, and seeding the proposed earthen channels.	Kerr	Kerrville	Performed Prelim Engineering Report	Has PER - Atlas14 update and fill gaps

FME ID	FME Name	Description	Counties	Sponsor	Status	Notes
111000029	City of Kerrville Circle Avenue Drainage Channel Project Planning	Project planning for proposed channel and street improvement project to alleviate sedimentation and erosion issues at the intersection of Culberson Avenue and Circle Avenue.	Kerr	Kerrville	Performed Prelim Engineering Report	Has PER - Atlas14 update and fill gaps
111000028	City of Kerrville Harper Street between Culberson Avenue and Lewis Avenue Project Planning	Project planning for proposed storm drain system project to relieve localized flooding and excessive ponding that occurs throughout Harper Street.	Kerr	Kerrville	Performed Prelim Engineering Report	Has PER - Atlas14 update and fill gaps
111000030	City of Kerrville Jack Drive - Undersized Inlet Project Planning	Project planning for proposed street and drainage improvements project to relieve road and property flooding from occurring directly downstream of Jack Drive's existing undersized inlet.	Kerr	Kerrville	Performed Prelim Engineering Report	Has PER - Atlas14 update and fill gaps
111000023	City of Kerrville Park Street Low Water Crossing Project Planning	Project planning for proposed project to improve or replace the Park Street Low Water Crossing.	Kerr	Kerrville	Performed Prelim Engineering Report	Has PER - Atlas14 update and fill gaps
111000024	City of Kerrville First Street Low Water Crossing Project Planning	Project planning for proposed project to improve or replace the First Street Low Water Crossing.	Kerr	Kerrville	Performed Prelim Engineering Report	Has PER - Atlas14 update and fill gaps
111000025	City of Kerrville Fourth Street Low Water Crossing Project Planning	Project planning for proposed project to improve or replace the Park Street Low Water Crossing.	Kerr	Kerrville	Performed Prelim Engineering Report	Has PER - Atlas14 update and fill gaps
111000026	City of Kerrville Hill Country Drive at SH 16 Project Planning	Project planning for proposed project to raise the roadway profile and regrade Hill Country Drive, and increase the downstream pipe capacity at Hill Country Drive.	Kerr	Kerrville	Performed Prelim Engineering Report	Has PER - Atlas14 update and fill gaps
111000072	City of Victoria Flood Gate Project Planning	Project planning for proposed project to rehabilitate, repair, or replace the City of Victoria's existing flood gates, install additional flood gates as appropriate, and construct a storm water lift station in an area to be determined by study.	Victoria	Victoria	Design Complete	<b>Depends on timing of construction and funding needs (need FIF funding or not)</b>
111000069	City of Victoria Drainage Improvement Study	Study of solutions to increase dimensions of drainage culverts in areas prone to flooding and/or drainage problems in various City locations.	Victoria	Victoria	Performed Prelim Engineering Report	Has PER - Atlas14 update and fill gaps. Identify a specific crossing(s) from the list?
111000073	City of Victoria Regional Drainage Solutions Project Planning	Project planning for proposed project for five regional drainage solutions within the City: the Gardens Apartment diversion, Shenandoah ditch improvements, Anthony Road outfall improvements, Lone Tree Road outfall improvements, and <del>Close Ditch outfall</del>	Victoria	Victoria	Performed Prelim Engineering Report	Has PER - Atlas14 update and fill gaps. Identify a specific project from the list?
111000074	City of Victoria - Storm Sewer Improvements Project Planning	Project planning for project to replace storm sewer pipe under 18-inch diameter (29.9 miles). As a result of overland flow analysis and Storm Sewer System Level of Service Analysis, it was determined to replace all pipe less than 18-inch <del>diameter</del>	Victoria	Victoria	Performed Prelim Engineering Report	Has PER - Atlas 14 and determine what gaps remain? Potentially high effort to complete due to size
111000076	City of Victoria Regrade Priority Ditches and Driveway Culverts Project Planning	Project planning for proposed drainage improvements. As a result of a roadside ditch capacity evaluation, it was determined that 23 miles of ditch and 669 driveway culverts are negatively impacting conveyance capacity and need to be <del>replaced</del>	Victoria	Victoria	Performed Prelim Engineering Report	Has PER - Atlas 14 and determine what gaps remain? Potentially high effort to complete due to size
111000078	City of Victoria Stream Restoration Study	Study to implement a stream restoration/channelization program to ensure adequate drainage/diversion of storm water, throughout various City low water crossings, streambeds, creek sheds, tributaries, and riverine areas.	Victoria	Victoria	Performed Prelim Engineering Report	Has PER - Atlas 14 and determine what gaps remain? Potentially high effort to complete due to size
111000077	City of Victoria Repair Channel Failures & Sediment Removal Project Planning	Project planning for proposed channel improvements. Using field visits and drone footage, it was determined to repair 33,657 sq ft of concreted lined channel, 11,829 sq ft of earthen channel, and remove 227,099 sq ft of sediment.	Victoria	Victoria	Unknown	Any engineering studies / Maintenance vs improvements



**DOTS INDICATE GENERAL LOCATION OF POTENTIAL FMES.**

**PLEASE NOTE THESE ARE NOT GEOLOCATED BUT ARE INTENDED TO SHOW GENERAL DISTRIBUTION**

**FOR EXAMPLE THE 10 DOTS IN KERR COUNTY REPRESENT FMES IN KERRVILLE.**



# Look Ahead

Meeting	Milestone Goals
September	<b>September 21</b> Second Public Meeting (Victoria)
October	<b>October 7</b> Close 60-day Review / Review and collate comments
November	<b>November 2</b> Discuss Comments and Responses / Task 12 Selection
December	<b>December 7</b> Approve (pending no substantive changes)
January 2023	<b>January 7</b> Submit 2023 Reginal Flood Plan (due January 10)
July 2023	<b>July 14</b> Amended Regional Flood Plan Due

## Agenda Item 8

Consider date and agenda items for next meeting

Wednesday, September 21<sup>st</sup> at 4:30pm – UHV, Victoria

Wednesday, October 5<sup>th</sup> at 2pm – GBRA, Seguin

Wednesday, November 2<sup>nd</sup> at 2pm – GBRA, Seguin

Wednesday, December 7<sup>th</sup> at 2pm – GBRA, Seguin

# Agenda Item 9

## Presentation

Presentation: Overview of Regional Flood Planning Process and Draft Guadalupe Regional Flood Plan

Chairman Doug Miller and Jay Scanlon,  
PE, CFM, ENV-SP | Freese & Nichols, Inc.

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

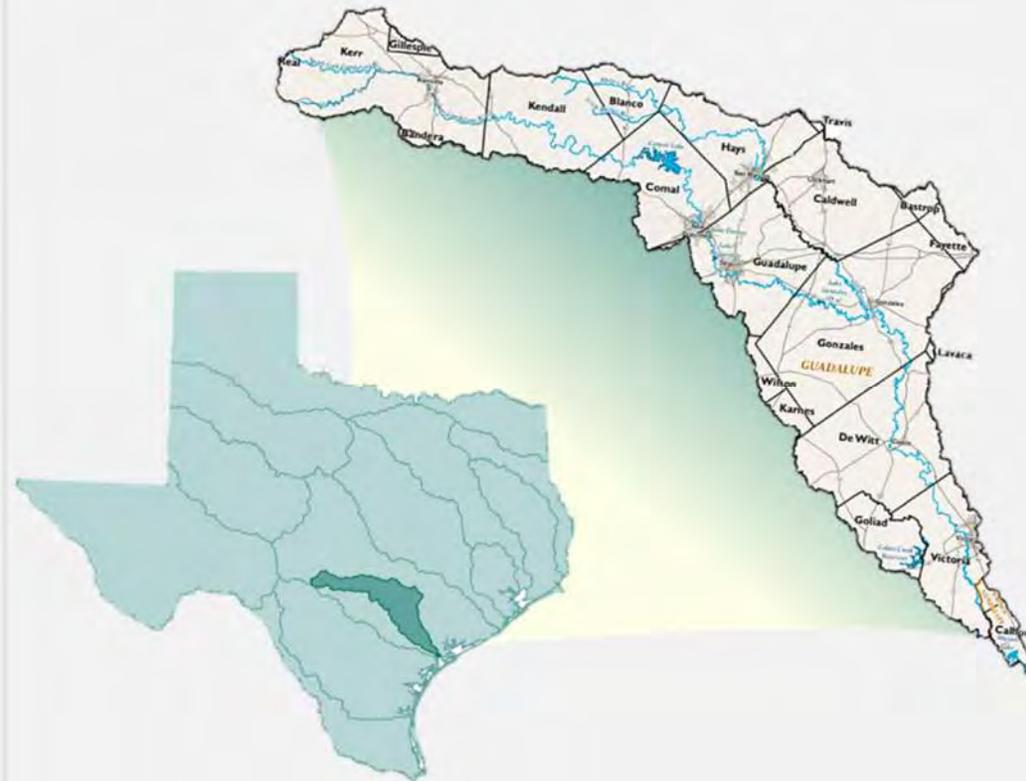
# **Region 11 Guadalupe**

Regional Flood Planning Group Meeting  
September 7, 2022

Item 9

# Regional Flood Planning Overview

- **15 regional plans:** 1 plan for each watershed-based region, all rolled up into 1 state flood plan.
- **Bottom-up approach:** Groups governed by local, volunteer members.
- **Open Process:** Ample opportunities for public input at RFPG meetings, comment on plans, written comments.



# Who prepared the plan?

- The RFPG was responsible for developing this regional flood plan; however, the **implementation of specific recommendations and flood mitigation actions included in this plan will require action by local communities in the region.**

Interest Group	Member Name
Agricultural	Doug Miller
Counties	John Johnston, PE, CFM
Counties	Lon Shell
Electric Generating Utilities	Bobby Christmas
Environmental	Annalisa Peace
Flood Districts	Doug Sethness
Industries	Kevin Stone
Municipalities	Joe Pantalione, PE
Municipalities	Ken Gill, PE
Public	Kimberly Meitzen, PhD
River Authorities	Brian Perkins, PE
River Authorities	Ray Buck
Small Business	Gian Villarreal, PE, CFM
Water Districts	Ronald (Ron) Fieseler
Water Utilities	Steven Fonville
Non-Voting, Counties	Don Durden

618,874 People

2020 Population of the region



22 Counties

22 counties, or portions of them, make up the basin



21%

36 Major Disaster Declarations

36 major and 8 emergency declarations between 1953 and 2020, 21% occurring since 2000



42 Flood Events

42 major flood events since 1913 with significant losses to life and property

FEMA Flood Claims

(1975-Present)

6,248  
Flood  
Claims

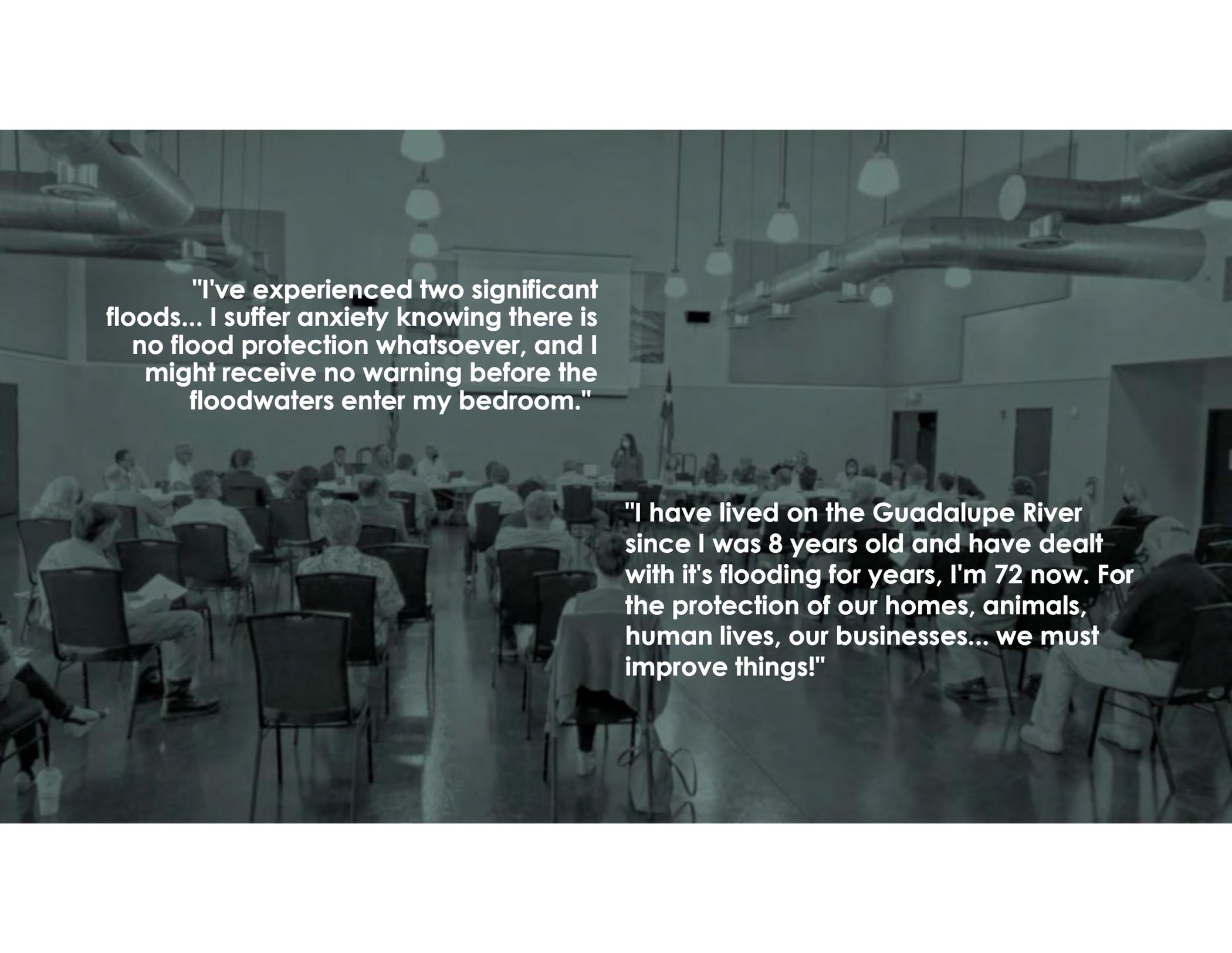
\$261.7M  
Flood  
Claims  
Paid



# Task 1: Planning Area Description

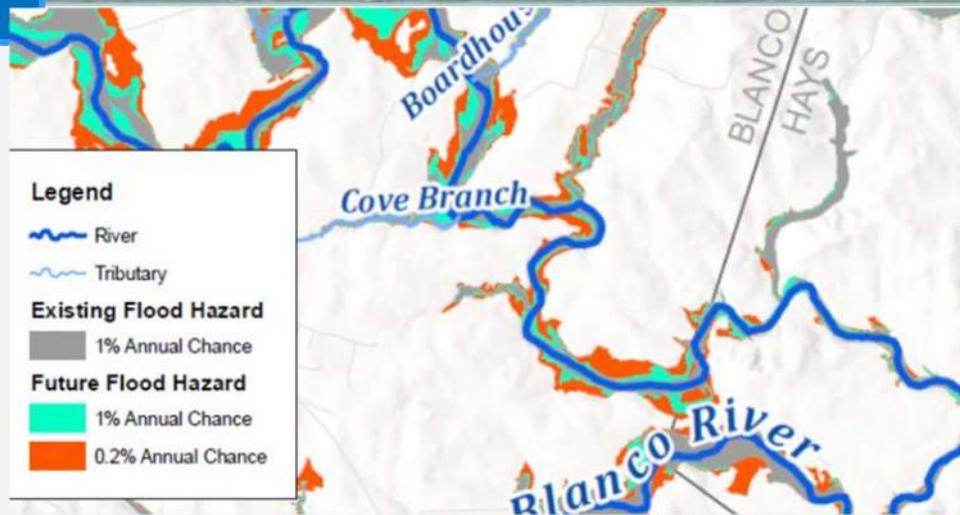
## Existing Flood Infrastructure

Features	Region Counts	Features	Region Counts
Rivers, tributaries	6,851	Levees	10
Major lakes, reservoirs	7	Dams	220
Parks, preserves, natural areas	90	Pond structures $\geq$ 1 acre	3,870
Wetlands and marshes	5,217	Local stormwater systems, including tunnels, canals	5
Caves, sinkholes, springs	1,956	Low-water crossings	815
Barriers, gates	1		

A dimly lit room with people seated at tables, possibly a community meeting or presentation. The room has large pipes on the ceiling and several pendant lights. The overall atmosphere is somber and focused.

**"I've experienced two significant floods... I suffer anxiety knowing there is no flood protection whatsoever, and I might receive no warning before the floodwaters enter my bedroom."**

**"I have lived on the Guadalupe River since I was 8 years old and have dealt with it's flooding for years, I'm 72 now. For the protection of our homes, animals, human lives, our businesses... we must improve things!"**



Flood Hazard Frequency	Flood Hazard Area (in square miles)		Change (%)
	Existing	Future	
1%	986	1,169	18.6%
0.2%	183	215	17.5%
<b>Total</b>	<b>1,169</b>	<b>1,384</b>	<b>18.4%</b>

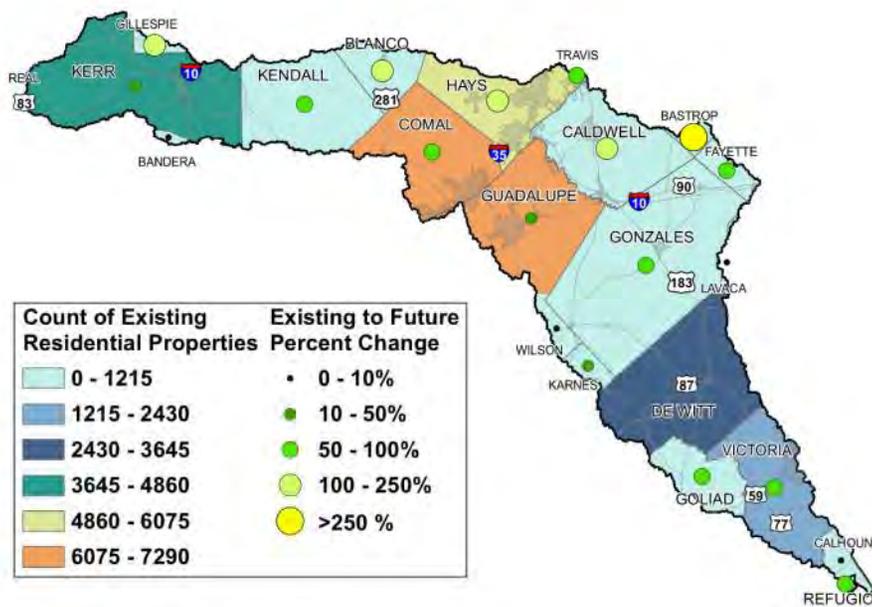
## Task 2: Flood Risk Analyses

- Flood risks evaluated for current and future condition 1% and .2% annual chance flood events.
- Utilized best-available data
- Future condition based on 30-year no-action scenario

# Task 2: Flood Risk Analyses

The RFPG conducted:

- Flood exposure analyses to identify who and what might be harmed from a flood event within the region; and
- Vulnerability analyses to identify vulnerabilities of communities and critical facilities



Total Structures	<b>45,801</b>
Structures: Residential	<b>32,101</b>
Structures: Non-Residential	<b>13,700</b>
Population	<b>166,622</b>
Critical Facilities	<b>214</b>
Roadway- Stream Crossings (count)	<b>3,206</b>
Roadway-Stream Crossings (miles)	<b>1,379.5</b>
Agricultural Land (sq. miles)	<b>689.6</b>



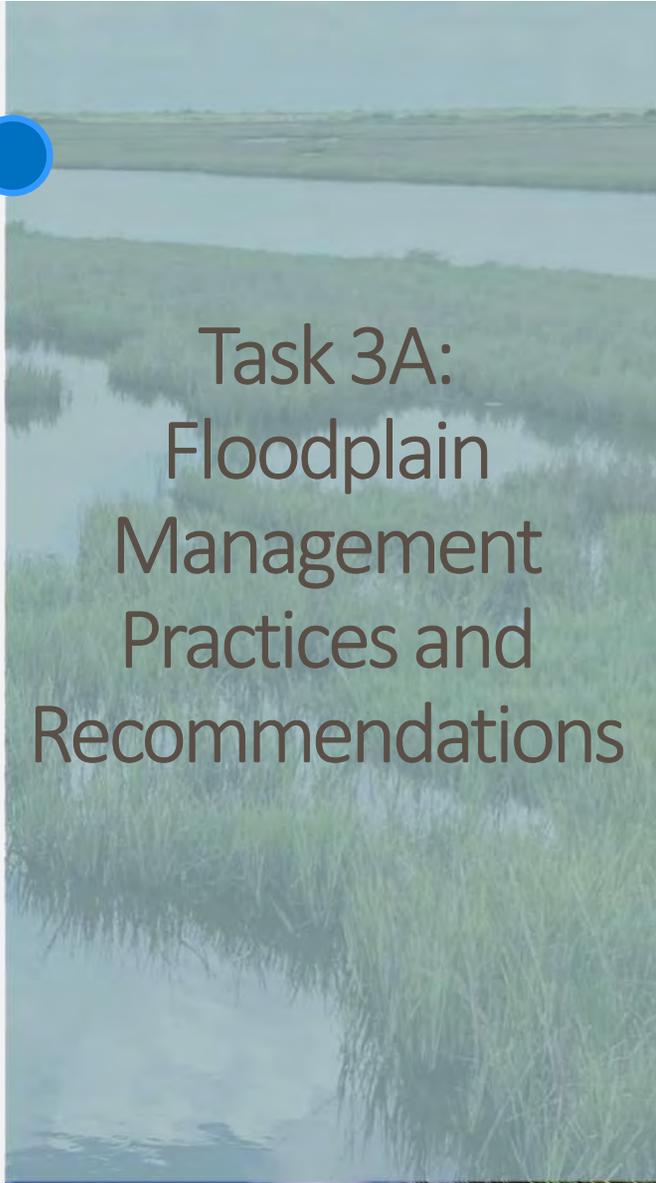
All 22 counties and 31 out of 32 eligible cities within the region are participants in the National Flood Insurance Program (NFIP).



Many communities only adopt minimum flood development standards and are not pro-active in their approach to floodplain development. Many counties are not aware of their authority to implement floodplain development standards higher than NFIP minimums.



The RFPG encourages local governments throughout the region to adopt higher standards and consider CRS participation.

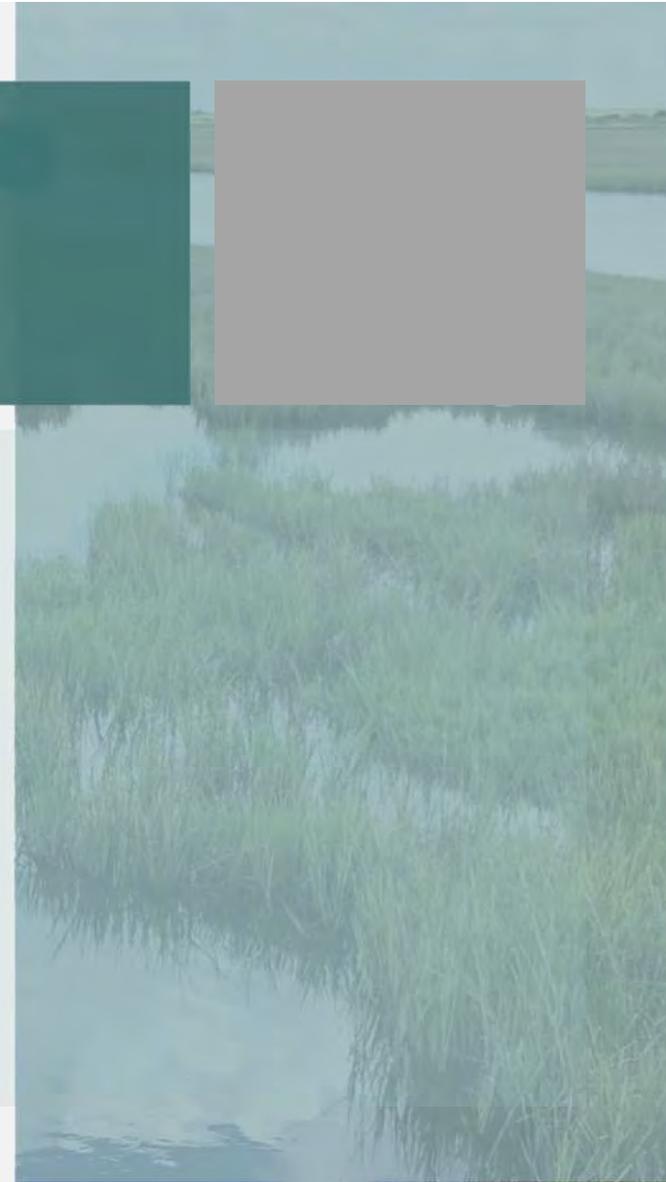


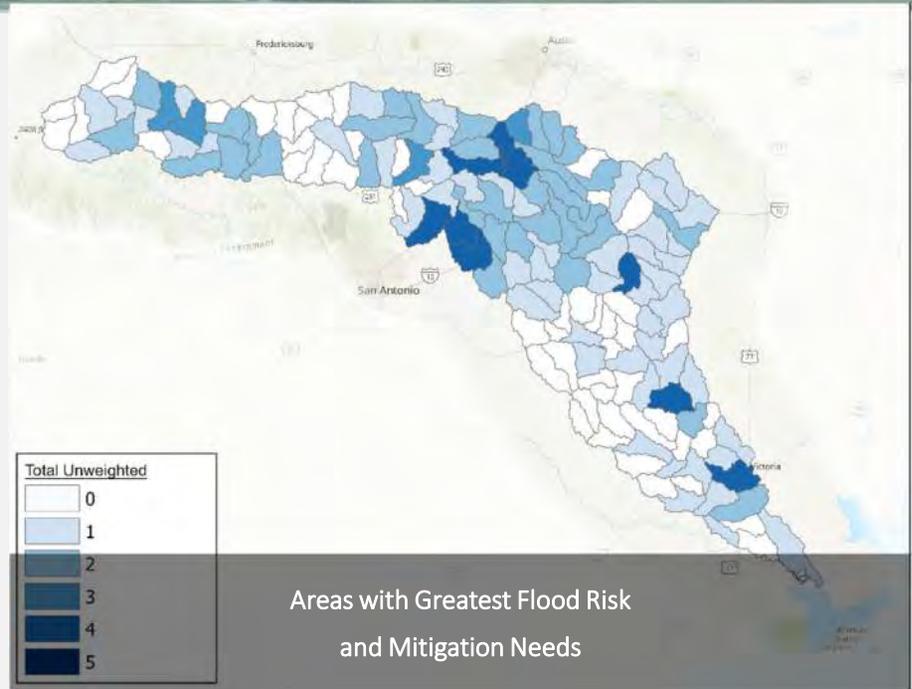
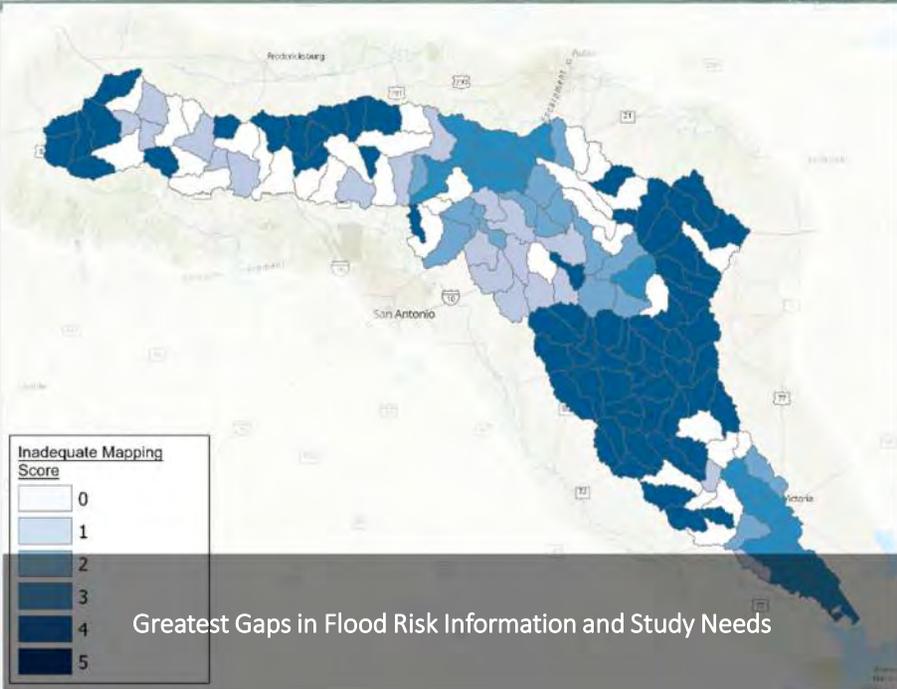
## Task 3A: Floodplain Management Practices and Recommendations

## Task 3B: Flood Protection Goals

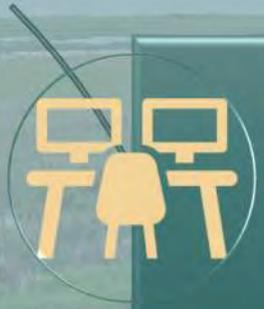
The RFPG adopted goals, related to six topics:

- improved low water crossing safety
- consideration of nature-based practices
- adoption of higher floodplain management standards
- participation in FEMA's Community Rating System
- reduction of structures at flood risk, and
- increasing local dedicated funding sources for flood-related infrastructure.





# Task 4A: Needs Analysis



**FME:** an engineering study to:

define or update flood risk information

perform alternatives analysis, feasibility assessments, or preliminary engineering of project



**FMP:** a flood mitigation project, structural or non-structural, to reduce flood risk to people and property.

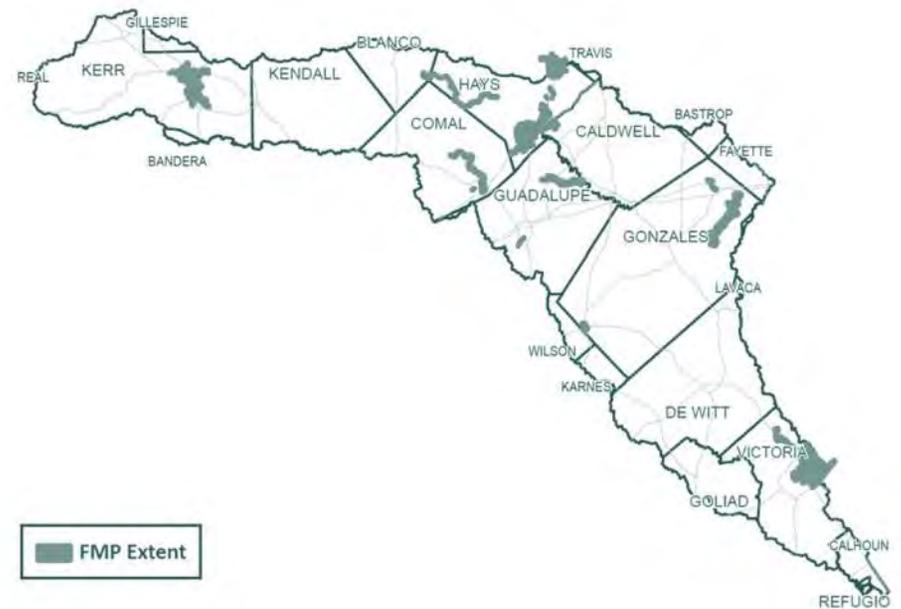
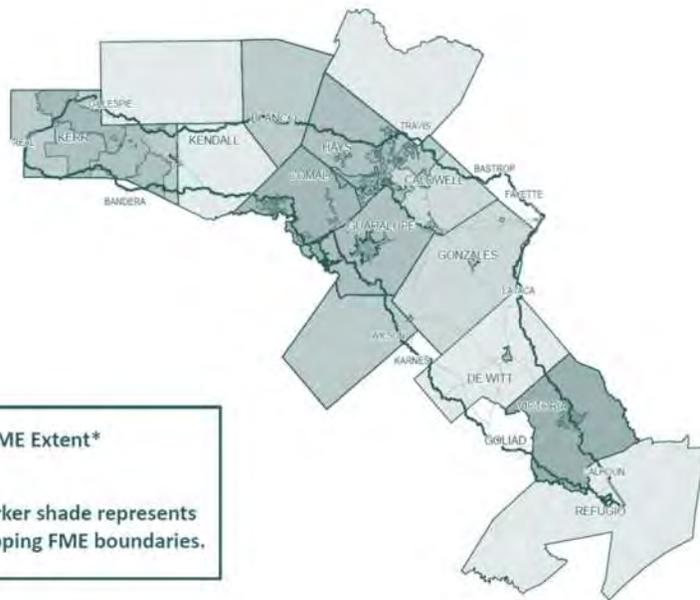


**FMS:** Anything that is not an FME (engineering study) or FMP (project). Examples include education campaigns, non-engineering studies on flood authority or revenue-raising opportunities

# Task 4B/5: FMEs, FMSs, and FMPs

The Guadalupe RFPG recommends:

- 127 flood studies (FME)
- 32 flood projects (FMP), and
- 5 regional flood strategies (FMS).





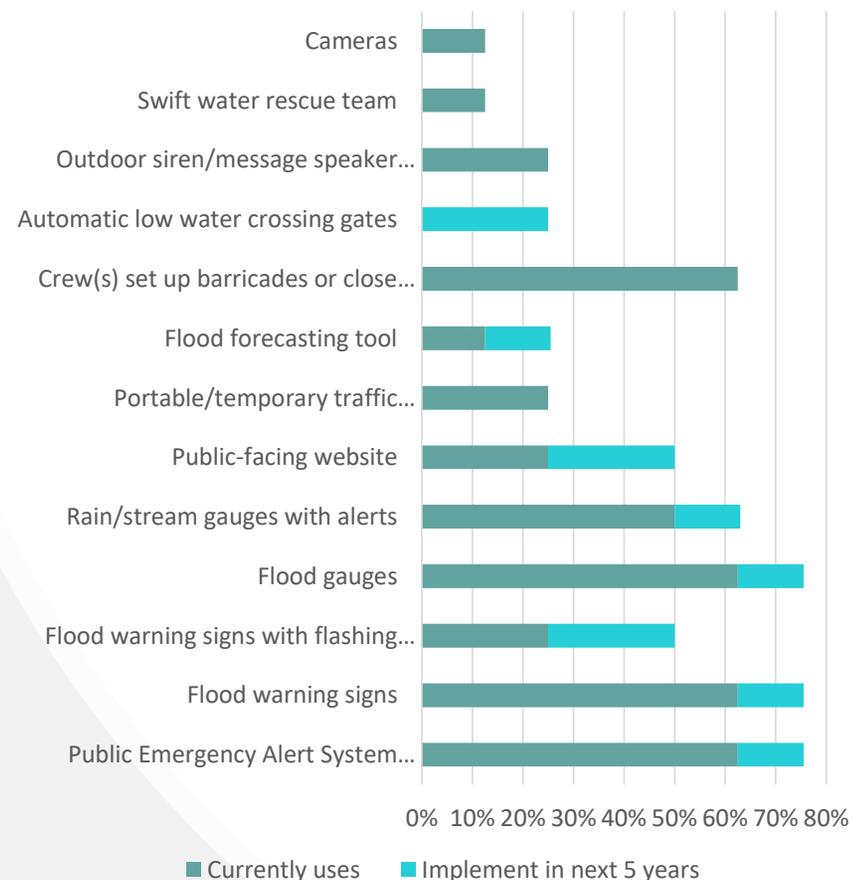
## Task 6: Impacts of the Plan

- The recommended flood projects (FMP) would provide for the removal of 1,169 structures from flood risk, protecting approximately 1,864 people, and preventing 24 road closure occurrences.
- The flood studies (FME) recommended in this plan would provide updated data and information for the region and include planning activities for 87 future flood projects.
- The flood strategies (FMS) recommended in this plan would advance the region's capabilities and involvement in public outreach, floodplain management, and flood preparedness.

# Task 7: Flood Response and Recovery

- The Guadalupe region's ability to prepare, respond, recover, and mitigate disaster events is determined by several factors. With a clear understanding of the plans that determine a community's capabilities, a recognition of the entities with whom coordination is key, and knowledge of the actions sustained to promote resiliency, the Guadalupe FPR can be better equipped to implement sound measures for flood mitigation and preparedness.

Flood Response Measures Utilized by Communities in Region 11





## Task 8: Recommendations

The RFPG recommends 10 legislative, 12 administrative, and 3 regulatory recommendations.

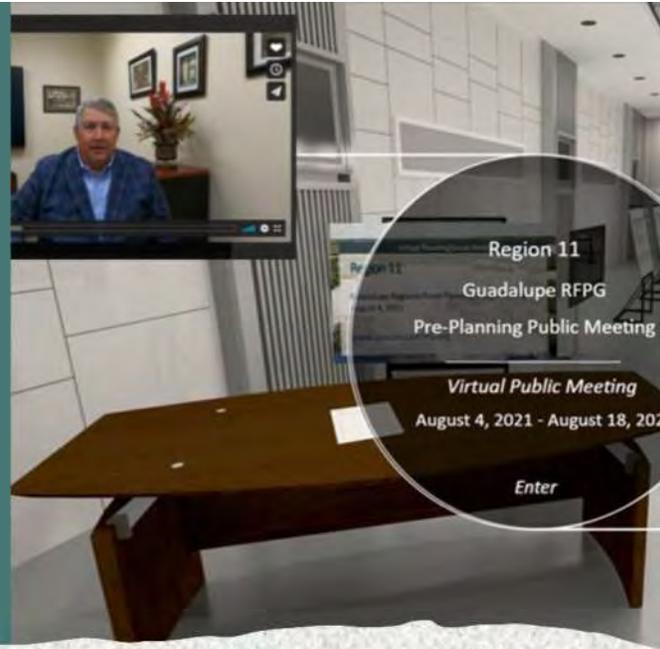


8.1.1: Continue recurring biennial appropriations to Flood Infrastructure Fund (FIF) for Study, Strategy, and Project implementation.



## Task 9: Funding

- Overall, there is an estimated **\$782 million** needed to implement the recommended FMEs, FMSs, and FMPs in this regional flood plan.
- Of that amount, approximately **\$703 million** in state and federal funding is projected to be needed (89.8%).
- A combination of **increased local capabilities** to self-fund flood-related activities and projects and **increased funding from state and federal sources** are needed to address the flood risk reduction needs.
- Future cycles of regional flood planning will continue to identify more projects and studies needed to further flood mitigation efforts in the Guadalupe FPR.



**Notice of Public Meeting**

**Region 11 - Guadalupe RFG**  
Wednesday, October 6, 2021, at 2:00 PM  
Guadalupe-Blanco River Authority River Annex  
905 Nolan Street, Seguin, TX 7815

The Region 11 Guadalupe Regional Flood Planning Group will be holding this public meeting both virtually and in-person. There will be a focused discussion on **management practices, goals, and targets**.

The meeting agenda, materials, and details on how to attend or log into the meeting can be found at <http://guadalupefpg.org/Meetings.aspx>.

Public comments on this topic are encouraged. If you would like to provide comments and input into this part of the planning process, or if you want to request more information on the flood planning process, please send a note to: [comments@guadalupeRFG.org](mailto:comments@guadalupeRFG.org)

Photo Courtesy of Cotton Ladd 2020

**Notice of Public Meeting**

**Region 11 - Guadalupe Flood Planning Group Meeting**

When: Wednesday, June 29, 2022, at 1:00 PM  
Where: Guadalupe-Blanco River Authority River Annex  
905 Nolan Street  
Seguin, TX 78155

The Region 11 Guadalupe Regional Flood Planning Group will be holding this public meeting **in-person**. The meeting agenda, materials, and other details can be found at <http://guadalupefpg.org/Meetings.aspx>.

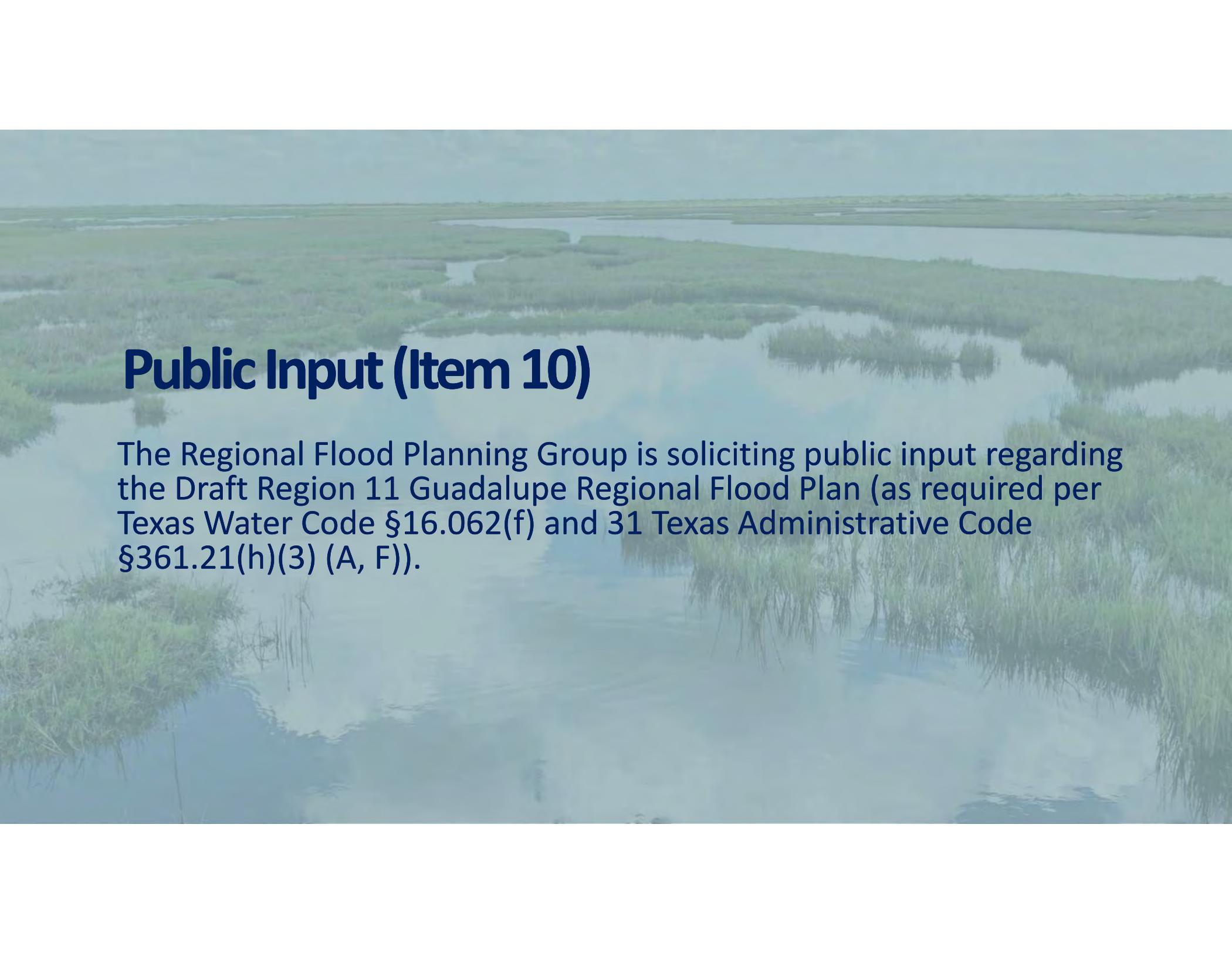
If you wish to provide written comments prior to or after the meeting, please email your comments to [comments@guadalupefpg.org](mailto:comments@guadalupefpg.org) and include

## Task 10: Public Participation

- 24 public meetings to date
- Public website - [www.guadalupefpg.org](http://www.guadalupefpg.org)
- Social media posts, eblasts, press releases, etc.

# Looking Ahead: Amended Regional Flood Plan





## **Public Input (Item 10)**

The Regional Flood Planning Group is soliciting public input regarding the Draft Region 11 Guadalupe Regional Flood Plan (as required per Texas Water Code §16.062(f) and 31 Texas Administrative Code §361.21(h)(3) (A, F)).

# Public Input (Item 10)

- Receive written and/or oral comments today
- Second Public Meeting September 21 (Victoria)
- Send Comments to: [Comments@GuadalupeRFPG.org](mailto:Comments@GuadalupeRFPG.org)

# Agenda Item 10

## Public Input

The RFPG is soliciting public input regarding the Draft Region 11 Guadalupe Regional Flood Plan (as required per Texas Water Code §16.062(f) and 31 Texas Administrative Code §361.21(h)(3)(A,F))

# Agenda Item 11

## Public General Comments

Public Comments limited to 3 minutes per speaker

# Agenda Item 12

Adjourn